257-1

KEARSARGE: SPECIFICATIONS:

Number.	Date.	From or To—	Subject.	
529927	11;17	C&R	Detailed hull specns for converting vessel into crane ship No.1.fwds.D	

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Number.	Date.	From or To—	Subject.	

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KEARSARGE) TRIALS, etc

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1912

Number.	Date.	From or To—	Subject.	
73330	7/13	To Dept	& ALABAMA: re trials proposed.	107--2
			1913	
		1921		
539176	1;7	Phila	Submits estimates of cost in detail to complete conversion of vessel to crane shipD	257-8
588859	3/17/22	Phila	Report on status of expenditure on board KEARSARGE K	604-22

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

KEARSARGE: ELECTRIC PLANT GENERAL

Number.	Date.	From or To—	Subject.
405841	3;12	CO	Install cutout switches; convert low power swarchlight to high power ; fire control switchboard etc L Fwd Operations. 4-1 RB 4;5 To CO- Bur disapproves alterations- 4/8
			1921
580108	11/4	To Phila	Generator leads Plan appvd L

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Number.	Date.	From or To—	Subject.	

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[OVER.]

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KEARSARGE: ELECTRIC PLANT GENERAL.

Number.	Date.	From or To—		Subject.	
42207	6/24	Phila	581-3	Rel to previous authorizations for work coming under cognizance of Bureau of Eqpt. and divided between C&R & S.E. L Fwd C&R. Division satisfactory.7/6/	
49236	9/22	To Phila		BROOKLYN: asks why no elec. work is being done: KEARSARGE lightning conductors should not be installed	142--3
54489	11/20	Phila.	581-95-5	Revised estimates for electrical work due to placing same entirely under S.E. L Fwd Dept-Rec.appd.11/28. RB 12-4 a'ppd Fwd Phila-12/6. RB 12-21	
55685	12/6	Phila.	581-109-5	Reports changes in cost of job orders under Equipment, Steam Engineering, due to transfer of charges from C&R. L&Y Fwd Dept-Rec.appd.12/12. RB 12-14 a'ppd Ret--12/15. RB 12-22	
				1912	
60130	1/30	Phila	581-118-5	Fwds print showing location elec. appliances in 8 and 13"; reqt. telegraphic approval.L. To--- appd.2/2.	
60186	2/1	Phila	581-280-5	Fwds prints of finished elec. work.L	
63841	3-14	Phila	1453-5	Reqt. authority to place wireless outfit, truck and screen speed lights,etc. on board have sufficient funds for Mch.to cover.L Fwd Dept.Rec disappr.3/19. RB 3-22 Disappd To---disappd.3/26.	

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KEARSARGE: ELEC.PLANT. 257-3

Number.	Date.	From or To—	Subject.	
83324	11-19	Phila 581-329	Alter conduit leads to top of conning tower.L	
83326	11-19	Phila 581-329	Alter location of elec.conduit in connection with trolley track alterations.L	
			1913	
94489	4/9	To CO thru At.Res.Flt.	Requests that the question of clearing circuits of grounds be taken up and further report be submitted.L CO Ships force removing.4-14 CO 5/6.returns report: repairs to electric grounds being carried on by ship's force.L	
			1917	
212674	1/11	Kearsage	Alterations to comply with turret board report.L	
223213	4/18	To C&R	Quotes from quarterly report re unsatisfactory condition of ventilating blowers. L	
356852	10-10	To S&A	Rqst shpt of Bell Wire NY to Boston L	

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[OVER.]

KEARASAGE: INT COM SYS

Number.	Date.	From or To—	Subject.	
368480	12-18	Dept.	Guns removed from to be remounted when opportunity offers	
380392	12;13 12;24	CO C&R	Install additional voice tubes L Fwd. C&R 12-30	
396007	2;15	Boston	Req. CO advise if fire control instruments have been recd. on Bd. and if same are installed L	
409010	3/1 4/7 5;13	CO C&R C&R	Request retube turrets with three inch voice tubing -L To C&R- Disapproves Item 1 of work rqstd- 4/11 CO alterations to voice tubes 11;25 L Fwd Operations. 4-28 copy to CO -Boston-C&R. RB 5;1 Fwd C&R. 5-8	
529423	11-16 To C&R C&R-copy of action to Phila-3;30-L	To Phila Plan commentd on 3/14	Reqst estimates cvg changes in interior comm listed L Phila-submits estimates-12;16 Fwd Phila 1/6/21 RB 1-25 To Phila est Apprvd 1/31/21 Phila-voice tubes satis-fwds prints-2;5 Fwd C&R 2/18 RE 3/5/21 Phila-submits estimates-2;18-L&Y To Phila Est apprvd 3/3 Phila-3;11-L Fwd C&R cc Phila 3/16	

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N.S.E. Form 134.
KEARASAGE IT COM SYSTEM

Number.	Date.	From or To—	Subject.	
549059 4	2;28	Phila	Plans of exterior signal submits L	
	To Comdr Phila- Apprvd 8/19 L		To Phila Apprvd with comment 4/5	
BELOW	Phila-fwds plans of point-coupling assembly.9;2-L		Phila-int signal sys-fwds prints-5;23-L	
			To Phila Plans apprvd with comment 6/10	
			Phila-wiring diagrams for running and signal light-fwds prints-6;27-L	
563233	5;13	Phila	Isometric diagram of voice tubes-fwds prints L	
	6;6	C&R	To C&R Fwds print 6/18	
			C&R-copy of action to Phila-6;30-L	
549059 4	FROM ABOVE		Phila- details of electrical instln on bridge and bridge deck- fwds print. 3/6 L	
			Fwds C&R 3/24 RB 3/31 with print. L	
			To Phila Plan apprvd with comment 3/24	
			Fwds Phila 4/15 L RB 5/4 22.L	

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1917

KEARSARGE: INT COM SYS.

Number.	Date.	From or To—	Subject.	
243354	7/18 8/11	CO C&R	Director firing - reports certain material not recd L To Bost--Ask if material for installing director firing system on, is on hand, 8/17 Fwd CO via Ord Squadron 1--8/17 Bost - 8/31 L CO-9/19. To- Fwds duplicates prints. 10-3	
258550	10/12 11/3	~~Ordnance~~ CO Ordnance	Fire control ship control changes.L Fwd CO-11-7 R B 11/27	
269727	12-28	To CO	Fire control installations. Advise if director firing system auth has been installed. L CO 1/15 - L	
280692	2/8	Boston	Fire control telephone for anti aircraft guns-fwds plans.L To- Plan appvd subject changing circuit.	2-19
299679	4/14	CO	Install voice tubes - L Fwd C&R 5-1	

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KEARSARGE : INT COM SYS 257 - 4

1918

Number.	Date.	From or To—	Subject.
288764	3-11	Boston	Fire control and ship control-charge of material essembled. L
310603	5/24	Bost	& KENTUCKY - B road side director follow the pointer system - fwds print - L To Boston, Plans approved, 6-3
339686	8/16	C O	Request new enunciators - L To Boston, Alterations authorized, 8-26 To CO, alterations approved, 8-26
340220	8-16 8-22	CO C&R	Install voice tubing from control to broadside guns - L Fwd C&R, 8-27 C & R relative to voice tubes installation 9-26 L
348042	9/11	Phila	& VIRGINIA - confirms telephone conversation relative to shipment of selector switches.
8 347139	9-5	CO	Fwds blue prints proposed I C Switch board and wiring. R To Boston, alterations authorized, 9-17
348877	9-13	Boston	Firing circuit confirms telephone conv. relative to installing pointer case in series L

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√4

KEARSARGE: INT:COM:SYS.

Number.	Date.	From or To—		Subject.
√48419	9/8	Phila	581-23	Fire control system; states location of torp. defence station on lower nettings of mast will necessitate revision of plans. L To Phila. satisfactory - install outlets at guns in the gun mounts or on deck nearby 9/14
48949	9/18	Phila	581-23	Fire control system; unable to make change so as to install outlet to guns and gun mounts without additional cost. L TO --change not required. 9/21
√53304	11/11	To Phila		Telephone motor generator; fwds plan 7411.L
√54907	11/27	Phila	581-108-5	Recommends electrical thermometers in cold storage rooms, and submits print.L To--Disapp. installation.12/6.
				1912
√57583	12/29	Phila	581-116-5	Estimate for installing elec. whistle control.L. Ret---appd.1/16.RB 2-2 To---Instructions.2/7
√57976	12/26 1/6	Phila Ord	581-74-5 24011-66	Fire control instrumnts; fwds prints of showing range and deflection system; arr. sub-central and sub-station; satisfactory to Ordnance.L Ret Phila.appd.1/15.RB 1-27 Fwd Dept.via Ord.rec appr.1/29.RB 2-2 appd To Phila.appd.2/2. Fwd Ord.2/2.
√59491	1/23	Phila	581-33-45	Fire room timing device; stats only 4 indicators furnished, 8 required.L To---Not approved.1/31.

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KEARSARGE: INT:COM.SYS. 237-4

Number.	Date.	From or To—		Subject.	
59829	1/26	Phila	581-334-5	Elec. engine revolution telegraphs; fwds b/p. Asks if Bu. desires to purchase, cannot be secured from other yards.L. To---Not deisred to purchase; states what will be approved.2/1.	
60232	2/1	Phila		Reqt auth. to transfer $500 est.for overhaul light circuit for installation turret signal system	257--5
63626	3-1 3-4	Phila Ord	581-322-5 25503-7	Proposed gun firing circuits; fwds b/p.L Ret Ord.3/23.	
78518	9-18	CO		Reqt. time firing devices be supplied for each boiler.L To-via Phila. reqt comment & recom. 9/24 To-Dept. not recom.9/25 TO disap. 9-30	RB 9-28
				1913	
			1917		
206032	3/31	To Bost		Lists changes in fire control system auth.L 647	
240165	7/23	Ordn		Relative to installation director firing L	

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KEARSARGE: INT. COM. SYSTEM.

Number.	Date.	From or To—		Subject.
41172	6/2	Phila	581	Salvo system; submits estimates for installing motor generator; none in store that can be used.L To -- Rewinding of motor generator auth. 6/15.
41690	6/19	Phila	581-55	Recommends re-locating of engine room telegraphs and revolution indicators in sub-central station. L To -- Apprd.6/21.
41753	6/20	Holtzer -Cabot Co		GENERATORS: for diverted to Maine & Missouri 661-2
43016	6/24	Phila	581-21	Ammunition hoist signals; submits prints showing proposed.L. Ret -- Rec changes auth.7/13. RB 10-7
43085	7/7	Phila	110-18	Asks what action has been taken re obtaining necessary telephones and jacks for.L. fire control system. To -- Gives list of phones ordered on reqn. 56 NSA. 7/17.
43145	7/7	Phila	581-36	Fwds plans.L Ret -- Approved as mod.7/13. RB 7-19
43194	7/8	Phila	581-23	Requ. reconsideration of decision as to re-location of 40 wire indicator boxes, salvo firing system. L To -- Will be staisfactory to install in passage.7/13.
43193	7/7	Phila	581-36	Gives list of motor generators and dynamotors for circuits. L To -- one generator ordered on reqn.64.7/26.

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KEARSARGE: INTERIOR COMMUNICATION SYSTEM. 257--4

Number.	Date.	From or To—		Subject.
38688		See Card #2		To Phila. Approved. 7/8.
43349	7/6	Phila	581-36	Reqt. permission to use motor generators in store for int. com. systems; gives estimated cost for modifying. L To -- Approves use of two 3 K.W. gun elevating motor generators. 7/17.
43458	7/8	Phila	581-62	Fireroom timing device; submits estimate for installation and prints. L. Ret -- via C&R. Plan 794 satisfactory. 7/18. RB 7-20
32655		See Card #1		Ret Phila via Ord and C&R. Rel location of torpedo defense stations. 7/13.
43649	7/12	Phila	581-64	Reqt. standard bases for lights or helm indicators and steering telegraphs be waived. L. To -- Rubber rings satisfactory; other requirements. 7/20.
44380	7/19	Phila	581-67	General alarm system: est. for installation of additional contact makers and gongs. L To -- Modifications appd. 7/26.
45007	7/21	Phila		Reqt. reconsideration and authorization of motor generator for salvo system. L To---Salvo system will be supplied by a motor generator as previously auth. 8/2.
45571	8/2	Phila	581-67	Genl. alarm system; submits revised estimate for repairing contact maker. L

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KEARSARGE: INTERIOR COMMUNICATION SYSTEM. 2

FILE No.		From or To— (Dated)		Subject.	
35334	3/23 4/3	Phila C&R	10386-E-917	Fire control voice tubes and sub-stations: fwds revised plans of. L Ret C&R Plan satisfactory.4/11.	
35940	4/10	Phila	581-14	Rect. instructions re installing motor gen. for operation of visual fire control instruments. L Ret -- Motor gen.not required. 4/15. RB 4-20	
35939	4/10	Phila	581-45	Fire control telephone system; reqt. to be informed if another motor is to be supplied; only one in store at yard. L Ret -- 250 watt should be retained and 500-watt placed in store for furture use.4/20. RB 5-1 Ret -- Directs 500 watt motor gen.be installed.5/12.RB 5-29	
36584	4/18	Phila	581-46	Asks if elec. revolution indicators are to be installed. L Ret -- Elec.direct reading not satisfactory. 4/21. RB 5-1 Ret -- Bu desires tick-tack type. 5/3.RB 5-9	
36641	4/10	Phila	113-23	Fire control system; fwds wiring diagram of salvo firing wiring.L. Ret -- Apprd asmod.4/22.RB 5-24 To -- Plan 609 satisfactory.5/26.	
36817	4/21	TO Phila		Fwds prints of switch panel for use with gun firing motor generator.L	
38688	5/2	Phila	581-14	Installation of Sub-target Gun Co. visual instruments, fire control; submits estimates.L Fwd Ord. for comment.5/19.RB 5-25 Ret -- Revised est.requested.5/26. RB 6-21 Fwd Dept via Ord & C&R. Rec appr 6/27.	See card 3
39135	5/19	TO Phila		Ships service telephone switchboard markings ; fwds list.L.	
40150	5/31	Phila	581-23	Salvo system; asks if extension of bells and buzzers in torp. defence system applies also to this vessel. L To -- Both bells and buzzers not required. 6/2.	

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KEARSARGE; INTERIOR COMMUNICATION SYSTEM.

FILE No.		From or To— (Dated)	Subject.	
28798	1/10	TO Phila.Yd.	Salvo firing system; fwds type plan 1849. Bells and buzzers. To -- 1849-L fwd 2/23.	
30789	2/3	TO Phila.	Ships service telephone system; quotes Dept. authority; will purchase material and reqt. information on enclosed list. L To -- Request for reply 3/10.	
31551	2/13	C&R 569.E.947	Fire control system; fwds corrected plans of voice tubes and sub central sta.L To -- Plans showing modifications ret 2/18.	
32655	2/27	Phila 113-18	Gen. arr. elec. and mechanical instruments on bridge & conning tower; fwds vandykes.L Ret -- apprd as mod.4/3. RB 5-11 Ret -- via C&R. Comments and modifications. 5/22. RB 5-27 Ret -- via C&R. 2 prints fwd.6/1 RB 6-24	See Card #3.
32914	3/2	Phila 113-23	Salvo firing system; submits est. & prints.L To -- Apprd as mod.3/8. Ret -- via C&R 3/8. B.L.R.B.3/23. Ret -- Print lost.3/25. R.B.3/29. Ret -- Corrected print fwd 3/29. R.B. via C&R 4/7. R.B.4/7.	
33608	3/11	Phila 113-35	Ships service telephone system; submits est. for work as directed by Bureau 2/3.L Ret -- Material ordered 3/21. R.B.3/30	
34809	3/28	TO Phila	Ships service telephones; reqt recommendations and estimates for installation of, based on Bureau's preliminary list, omitting such telephones as may be necessary to keep the cost within the amount authorized by Dept. L	
35296	3/31	Phila 581-35	Ships service telephones; reqt auth. to begin work of installing; gives estimates. L Ret -- via C&R. Rec in par.3 apprd 4/4. RB 4-24 app'd Fwd -- 4/25. RB 5-4	

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KEARSARGE LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
646736	10/19 10/23	Moore Steam Turbine Co. Insp r Pitts.	Generator sets, fwds prints, and correspondence about delivery of litho prints. LS	

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KEARSARGE LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
606347	1 24	Inspr Pitts	Copy of letter to Moore Steam Turbine Corpn asking when corrected specifications will be submitted for approval. L Inspr Pitts- 2/2	
608877	2/7	Inspr Pitts	Copy of letter to Moore Steam Turbine Corpn asking when drawings of 200 KW turbo generator sets will be furn. L	
611708	2/27	Insr Pitts	Fwds copy of letter from Moore Steam Turbine Corpn stating operating mechanism for 200 KW turbo generator sets have been fwded to Phila. L	
612036	2/24	Phila.	Power and Lighting systems- fwds various prints. L To Phila plans appvd with comments 3/13 Phila 3/23 Fwds drawings of power & lightg sys L To Phila Plans approved 3/31	
52628	3/1 3/2	Moore Steam Turbine Inspr Pitts	Fwds specifications for 200 KW sets for KEARSARGE SL	629

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KEARSARGE LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
613082	3/8 3/9	Moore Steam Turbine Corpn Inspr Pitts	Request cast iron throttle valves for 200 KW turbo generatir sets be acepted. L Inspr Pitts- Request action. 3/14 L Fwd Phila cc Inspr mat Pitts 3/18 To Inspr mat Pitts- Gives Action cc S&A Phila 3/28 Inspr Pitts 3/29 Copy of actn to Moores Steam Corn L	RB 4/5/22 L S
579323	FROM CARD 5		Inspr Pitts- Copy action to Moore Steam Turbine Corpn. 3/14 L	
615321	3/24	Inspr Pitts	Copy of letter to Moore Steam Turbine Corpn stating specifications will be amended upon submission and approval of finished drawings L.	
644641	10/2 10/6	Moore Steam Turbine Corpn Inspr Pitts	Co's letter rel to matl spedification sheet for WHITNEY applies to KEARSARGE L	

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KEARSARGE LIGHT AND POWER 1921

Number.	Date.	From or To—	Subject.	
601249	12/19	Inspr Pitts	Copy of letter to Moore Steam Turbine Corpm station inspection of generator will be made 1/3 L	
601565	12/20	Inspr Pitts	Copy of letter to Moore Steam Turbine Co. requesting report on all uncompleted test of turbo generator sets. L	
		1922		
603175	1/4	Inspr Pitts	Copy of letter to Moore Steam Turbine Corps fwding specifictions cov turbo generator. L	
603332	1/5	Inspr Pitts	Copy of letter toPhila. rel to inspection and hipt of turbine generators from Moor Steam Turbine Corps. L	
603833	1/9	Inspr Pitts	Copy of letter to Phila. in conn with status of turbo generators at Moore Steam Turbine Corpn. L	

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KEARSARGE LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
604422	1/13	Phila.	Copy of letter from Inspr Pitts rel to rejection of turbine giving reasons therefor. L Inspr Pitts- Request ruling on suggestions that permission be given to have units shipt with requirements that manufacturers later modify relief valve and combined throttle and emergency valve, now satisf. 1/18. LS 1/18- Decisions	
		BELOW		
605208	1/17	Inspr Pitts	Copy of letter to Federal Traffic Board requesting routing and route numbers for shipt of material from Moore Steam Turbine Corpn. L	
604422		fwded from above	To Phila turbo generator sets shipment- Request inform cc Inspr mat Pitts- Buffalo- Moore Steam Turbine Co L S 1/20/22 Inspr Pitts- Copy action to More Steam Turb Corpn. 1/23 L To Inspr Pitts- Gives Action cc Phila- Moore Steam turbine Co 1/24 Inspr Pitts- Copy action to Inspector Buffalo 1/25 L Phila. 2/2 L	Re

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KEARSARGE: LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
574692	6;16 7;12	Moore Steam Turbine Corpn NY	Fwds descriptive specns of GE generators also list of spare parts.L
Inspr Pitts- reqt copy of reference-8;22			Inspr Pitts-GE Co reqt action 7;25-L
Fwd Inspr Pitts 8/26 RB 8/30			To Comdt Phila - Appvd 7/27 L S
Fwd Inspr Pitts 9/2			To Inspr Pitts- Comment on specifications 7/29 L
Inspr Pitts-copy of letter to Moore Co-9;6-L			Inspr Pitts-copy of action to Moore Steam Turbine Corpn-8;2-L
9			Inspr Pitts-copy of action to Moore Steam Turbine Corpn-8;9-L
575323	8;5	Phila	Control for rheostat fwds print showing-L To Comdt Phila- Latter drawing appvd 8/13 LS
CARD 7			cc Inspr Eng Elec Wks, Inspr Pitts Phila-copy of action to Comdt Bd-9;26-L
			Inspr Pitts- fwds prints. 2/27 L
			To Inspr Pitts- Plan appvd cc Phila 3/13/22
580108	8/10	Phila.	Arrangement and details of crane generator leads- fwds prints. L
			Drawing fwd for appvd 8/18 L
			Phila-generator leads-fwds plans-9;2-L
			To Phila Gives comment on plan 9/14
			Phila- Crange generator leads-fwds prints 10/24 L
582572	8;12 8;25	Moore ST Co Inspr Pitts	Generating sets-connections for.L&D
			To Phila- 9/22
586512	9;20	Inspr Pitts	Generating set copy of letter to Moore Corpn giving drawing requirements.L
588995	10;3	Moore ST Corpn	Reqt auth to omit heat runs on generator units.L
Inspr Pitts-saving in fuel $50-10;18			
To Inspr Pitts- rel test of set cc Buffalo- Phila		To Inspr Pitts- Gives inform cc Buffalo- Boston 10/24	To Inspr Pitts- Gives inform cc Buffalo- 10/13
			Inspr Pitts-Copy action to Moore Steam Turb. Corpn. 10/25 L
590446	10;14	Inspr Pitts	Copy of letter to Moore ST Corpn reqting instrns relative to addtl drwgs covering circuit breaker tripping switch for generators.L

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KEARSARGE LIGHT AND POWER 1921

Number.	Date.	From or To—	Subject.	
592394	10/21 10/24	Moore Steam Turbine Corpn Inspr Pitts	Outlines drawings of 200 KW turbine generator sets- fwds L Inspr Pitts- Moore Steam Turb Corpn- will guarantee generator. 10/24 LS To Inspr Pitts Plans appvd with comment cc Inspr at Buffalo Comdt Phila 11/4 Inspr Pitts- Copy action to Inspr Buffalo. 11/4 L Inspr Pitts- Copy action to Moore Steam Turb Corpn 11/7 LS Inspr Pitts- Fwds letter from Moore Steam Turbine Corpn. 11/8 L Inspr Pitts- Contractors state drawings were fwded. 11/8 L Inspr Pitts- Fwds addtl drawings. 11/15 L	
597829	11/28	Inspr Pitts	Copy of letter to Moore Steam Turbine Corp requesting new copies of GE Co. drawings on hand wheel operating mechanism for rheostate for generating set be furn. L Inspr Pitts- Copy action to Inspr Buffalo. 11/28 Y	
599919	12/8	Moore ST Corpn	Will fwd prints of 200 kw turbo gen sets in a few days. L	

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KEARSARGE LIGHT & POWER SYSTEMS 1920

Number.	Date.	From or To—	Subject.
525169	10-26	To C&R	Electric plant ;removal of ; Reqst inform L C&R-11;11-L
525341	10-26	To Phila	Phila-submits estimates-12;17-L proposed conversion to Crane; Comments and recomdn requested L
	To Phila	authd 11-26	
	To Phila Fwds Plan 12-15		Phila-report on insulation test-11;15-L
	To Phila Reqst Plan 12-16		Phila-12;9-L
527192	11-4	To Comdt Phila	Reqst sketches showing front view arrangements of gen switchboard and distribution switchboards as now installed be fwded L
	To Phila Returns Pln 12-21		
	To Phila Gives inform 12-29		Phila-11;30-L
	Phila-modification of switchboards-fwds prints-1;21-L		Phila-fwds prints-12;2-L
527382	11-5	To Phila	Assignment of Searchlights; cc C&R. L
525341	12-29	SEE ABOVE	To Phila est appvd 12-29 L
	To Phila Est appvd 5/13		Phila-arrangement of generator head board-fwds prints-12;28
	Phila-switchboard details-fwds crane equipment-fwds prints-7;8-L		To Phila Plan Appvd 1/5/21
	To Phila Plans appvd with comment 7/15		Phila-1/31 reqst info rel switchboards L-1;18-L
	Phila-switchboards-fwds prints-8;1		To Phila Gives inform 2/18
	To Phila Plans appvd 8/26		Phila-submits estimates-3;5-L
	To Phila Reqst Inform 9/8		To Phila Ask to be informed after completion of work cc S&A L 4 2
	Phila-fwds plans-9;6-L		Phila-4;23-L
	Phila-9;20-L		Phila-submits estimates-4;28-L
	To Phila Plans appvd with com 10/8/21		To Phila Fwds Plan 4/29
	To Phila- 10/8/21		To S&A Reqst shipmt of Cable from NY to SC
	Phila- Location of machry crane dynam plan- fwds print.10/25 L		Phila 7337 5/10 RB 7/19
	To Phila Plan appvd 11/29		

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257-5:KEARSARGE: LIGHT AND POWER: SYSTEMS:

Number.	Date.	From or To—	Subject.	
543367	1;27	Inspr Pitts	Copy of letter to Moore ST Corpn in connection with modifications to turbo generating sets.L	
529192	To Phila- 1/6/22 L	SEE OTHER SIDE gives modification of	To Phila Plan re gen switchboard appvd 2/5/21 L Phila-fwds prints of switchboards and feed power and lighting sytem-4;20.L To EO Phila disappvd 5/2 Phila-reqt action on prints-5;5-L To Phila Ack receipt of plans-Plans appvd 5/9 Phila-reqt action-5;7-L To Phila Gives action 5/12 To Phila Plans appvd with comment 5/25 Phila-fwds prints-6;24 Phila-fwds prints of lighting system-7;9-L To Phila Plans appvd with comment 7/13 Phila-fwds drwgs of power system-8;6-L To Phila plans appvd- L To Phila Plan appvd 8/26 Phila-fwds plans-9;9-L To Phila Plans appvd 10/4 Phila. 11/14 L	RS-4;13
543108	3/4	Phila	Turbo generator sets; Fwds Plans L	
565920	5;20 5;23 To Phila- plans 6/22	Moore Steam Turbine Corpn Inspr Pitts Gives instrns re	200 kw turbo generator sets-fwds prints showing armature and field winding and assembly and diagram of connections.L To Inspr Pitts Plans appvd cc Phila Buffalo 6/10 Inspr Pitts-copy of action to Moore ST Corpn-6;11-L Phila-reqt approve prints-6;15-L	
572100	6;21	Inspr Pitts	Copy of letter to Moore Steam Turbine Corpn reqting progress report on completion of 100 and 200 kw turbo generating set.L	

KEARSARGE: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.	
234514	6/17	NY	Asks whether 1/6 or 1/12 horse power fans to be furnished on requisition 455 L Fwd NY—6/21	
266264	12-9	B S Force #1	Mechanical searchlight control, KEARSARGE, OHIO, MAINE and MISSOURI; request effort be made during present docking, to complete installation. L	708
269436	12/15	CO	Alterations, install distant mechanical controls of search lights - L	
286326	3-1	CO	Submits list of vixtures required in connection Turret Board report. L	
292212	3-26	To CO	Circuit Breakers'. Forward comment and recommendations. L CO - Submits report on circuit breaker. L 4-2 To- Lists circuit breakers to be ordered. 4-26 CO - 5/6	
356852	10:10	6	Shipment order received back 10:16 RB 10/16	

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KEARSARGE: LIGHT & POWER SYSTEMS

Number.	Date.	From or To—	Subject.	
411548	3;30	CO	Repairs to commutators field coils; motors; starter test instruments and lighting strg. batteries L To- Gives detail action on items. copy to Comdr Bat Force 1-Boston-C&R. 4-21 To C&R- Fwds correspondence for action. 4-21	
413812	4-27 4-25	CO C&R	Battle ship force 1 4-8 Request repair 8 alidades same to include lighting device to battle circuit. L Fwd Boston copy to CO and C_&R. 5-b	
414842	4;29	C&R	Copy of let. Boston auth. reinsulatation of armature make up field coils for motors etc L	
415734	4;30 5;2	CO Boston	Req. auth. to exchange fans L To CO- auth to turn the five alternating fans. copy to Comdt Boston. 5-10	
517080	9;14	C&R	200 kw, 230 volt generating set satis.L C&R-submits comments-9;27-L	
524364	10;20	C&R	Submits list of C&R elec aux showing approximate location and power requirements.L	

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[OVER.]

KEARSARGE: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—		Subject.	
48996	9/18	Norf	4945	& KENTUCKY; light 7 power feeders; main switchboard; rect. vandyke of plan.L Ref. C&G via Phila. fwd. prints to Norf. 9/23	
52661	11/1	Phila		Generator, motor, reports on those in store and required for	661
				1912	
59733	1/27	Phila	581-354-5	Blinker lights; asks if are to be fitted.L To---Not at this time.1/29.	
59953	1/29	Phila	581-395-5	Installation of Waterbury training gear for turrets; est. for increasing power feeders. L Fwd Dept. rec appr.1/31. RB 2-2 a'ppd To---appd.2/3.	
60232	2/1	Phila	581-324-5	Reqt. authority to transfer $500 est. for overhaul light circuit for installation turret signal system.L To---appd.2/6.	
60269	2/2	Phila	581-3875	Elec. auxiliaries in turrets; fwds power wiring plans.L To---Appd.2/7.	
62066	2-23	Phila	581-474-5	Combined oil reflector light; reqt. description; called for on allowance.L. Ret---Item 1 should be omitted.3/7.	
56400	2/24	Phila		Required $18674.21 EofV; reqst auth.to transfer funds from over-est.to under est. job orders. To---Directs work in conn.with searchlights to proceed; transfer of funds authorized.2/28.	602

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KEARSARGE: LIGHT & POWER. 257-5

Number.	Date.	From or To—		Subject.	
63722	3-12	Phila	1981-5	Charging panel; not required but work advanced so far completion is recommended.L	
65246	4-1	Phila	581-322-5	States panel for gun firing storage battery 9-10th completed.L To---Directs be completed when opportunity and funds permit.4/5. Fwd C&R. 4/5. RB 4-9	
78570 8	9-19 9-20	CO Phila		Reqt. blinker signal be supplied.L To--Phila. not appd.9/25	
73300	9/24	Dept.		Re installation of searchlights, (inconnection with mobilization)	602
82427	11/7	Phila.	581-351	Mechanical control searchlights; recommends reconsideration of disapproval to install electric control.L To---under consideration.11/15.	
				1913	
89496	1-27 2-3	CO Phila	581-316-6	Hand hole plates for dynamo engines.L To Phila.appd.2/8.	
				1915	
158479	6-18	CO		Reqt signalling shutters be installed on 2 lights. L To Phila--Auth to install 2 shutters.6/21	
				1916	
181657	3-13	CO		Gen set; request prints.L Fwd Norf-- 3/17 RB 3/28 Fwd Phila-- 4/1 RB 4/18 Fwd NY--4/21 RB 5/1 To Phila-- NY will furnish. 5/4 To NY--,5/5	

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[OVER.]

KEARSARGE: LIGHT & POWER SYSTEMS:

FILE No.	From or To— (Dated)	Subject.	
31454 2/10	Phila Yd	Reqt. authority to manufacture illuminating set. Y Ret -- Plan fwd; reqst est for installtn 2/17. RB 6-28	
36668 4/19	Phila 581-37	Submits quotations received on circuit breakers for searchlights. L. Fwd N.Y. Should conform to spcfns 17-B-1; Print 1855-L fwd. 4/26 RB 5-28	
37906 5/3	Phila Yd 581-34	Illuminating set; fwds prints and invites attention to arr. of feeder cable. L Ret -- Plan 640 apprd; 672 not apprd. 5/8. RB 5-24 Ret -- Approves genl arrgt of switches and constrn of panel box, but not type of switch. 5/26. R.B. with prints showing modified type of switch handle. 6/7. To -- Dr. 672 apprd. 6/8.	
41177 6/13	Phila 581-13	Reqt. authority to undertake incidental elec. work in connection with installation of Waterbury turning gear for turrets. L. Ret -- Via C&R. approved. 6/17.	
42007 6/17	Phila 581-31	Illuminating set: Submits estimates for manf. L Fwd Dept via C&R. Rec appr. 7/10. RB 7-22 a'ppd Ret -- 7/24.	
44474 7/24	Phila	Probable date of completion: reqt specific action on battery charging room.	257--8
45572 8/3	Phila 581-88	Illuminating set; revised estimate covering conduit. L Fwd C&R. Noted. 8/8.	
48950 9/18	Phila 581-8	Battery charging panels; submits estimate for manufacturing. L To - approved 9/21	

KEARSARGE: RADIO

Number.	Date.	From or To—	Subject.	
443989	9;3	Phila	copy of telephone conversation regarding removal of radio apparatus.	x
553682	3;25	C&R	Radio mast details-fwds prints-3;25-W To C&R. Satisfh 3/29	
557140	4;12	C&R	Copy of letter to Phila directing provide rigging with insulator at mast bend.W	
563436	5;11	Phila	Radio room and antenna fwds prints.W To Phila. Appvd with Modifications 5/20 Phila-fwds prints-5;16-W To Phila- Appvd with comment 6/24	
565147	5;10 5;19	Phila C&R	Main mast and fittings-fwds prints W Fwd C&R 5/26	

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Number.	Date.	From or To—	Subject.	

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1917

KEARSARGE: RADIO

Number.	Date.	From or To—	Subject.	
Phone	4/24	Lt. Norris	Re shipt of Telefunken radio set to Bost by express for.	
224658	4/25	To S&A	Reqt shipt of radio trans set from NY to Bost for. W	
236970	7/9	To S&A	Reqt shipt of rec set from Wash to. W	
10	7/10	To CO	Reqn for long range rec set disappvd.7/10 WR	
137	10/2	To CO	Reqt for receiver disappvd. WR	
273062	1/11	CO R	Request auth to install 2 kw Lowenstein sets.	
256149	10/18	CO	Request new radio receiver W ~~256149x~~- To S&A-Reqt shipt Sperry short receiver from Wash to KEARSAGE. 10-26 To S&A- Reqt shipt One I.P. 76 radio receiver from to Wash. 10-26	
273948	1-16	To Boston (T)	If voltage satis install 2kw Lowenstein radio transmitting set. Remove present set and turn into store. 1-16 W To (T)-If voltage satis install 2-kw Lowenstein radio transmitting set. Remove present set and turn into store. 1-16	

N.S.E. Form 134.

KEARSARGE: RADIO. 257t- 6

Number.	Date.	From or To—	Subject.	
274829	1/9	Bost	Confirms telephone conversation relative to new radio material - W	
344216	8/29 8/31	CO Bost	Request a new 5 KW radio set - W	
344044	9-4	To Boston (T)	authorizes installation transmitter W	
345380	9/4	Bost	Confirms telephone conversation in connection with installation of radio set on-W	
356852	10;14	Boston 10;14	Confirms telephone conversation. 1919	
409797	3;29	CO	Alterations to radio set W To Comm t Boston- Supply of nec matrl from store and installn of condensers is auth- 4/11	
413315	4/21	Battleship Force	& KEARSARGE & KENTUCHY- fwds list of material reqd and request information as as to policy in regard to fitting out ships to carry our provision of Force wave system. W.	

NB—0120

[OVER.]

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WEARSARGE: RADIO

1915

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Number.	Date.	From or To—	Subject.	
168372	10-15	CO T	Reqt motor generator for radio be shipped To-(R)Shipment reqtd from NY. 10/15 To NY-(R) Reqt shipment of apparatus.10/15 To S&A-- Reqt for shipment. 10/15 NY re ommends shipment generator 10-7	
168990	10-14	CO	Reqt motor generator for radio.W To S&A--Reqt shipment of from NY. 10/23 Fwd S&A--Rec spare parts be not shipped.11/12 CO asks if have been shipped 11/23 (T) To--(R) Shipped from Norf Nov.5th. 11/27 ~~Duplicate copy thru SRS 1-11~~	
175284	1-1	At Flt	& MACHIAS: radio equipment unsatisfactory. W Fwd Rad Ser-- 1/6 RB 1/12 Dup thru SRS 1-11	
176609	1-14	CO	Request new 5 kw transmitting set with save changing device. W Fwd Dept--Rec recommended. 1/24 RB 1/26 To--Will not install new radio set.1/29	
177117	1-25	To CO.	Lists apparatus to be turned in store at Phila and apparatus to be shipped to NY.W To S&A-- Reqt for shipment. 1/25	
178364	2-7	To CO.	Eledtrolytic receiver: asks disposition of.W Receiver was found 2-11	
181916	3/16	Phila	Reqt that KEARSAGE be directed to turn in audion tuner to Machinery Division for yard radio station in lieu of into store	828

1916

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KEARSAGE: RADIO. 257 -- 6

Number.	Date.	From or To—	Subject.	
185515	4/24	To Phila	Authorizes issue to radio station Marconi wave meter turned in by KEARSAGE	893-4
			1917	
213732	2-1	CO	Request standard radio set be installed. W To Phila--Gives action taken. 2/16 RB 2-19 To S&A--Reqt shipt of one 2 K.W. trans set from N. IS. to Phila for. 2/16 CO calls attention to fact that Phila was directed to make estimates for installing a Telefunken set to be shipped from M Is; vessel not assigned to Phila Yd 2/18 T. S&A reqt shipping request changed to cover shipment to Bost 2/21 Fwd Bost 2/21	
		CROSS CHEYENNE 6	M Is (T) necessary to retain part of apparatus ex CHATTANOOGA, for CHEYENNE; request authority to ship set without condensers, reductances, etc 3/2 Bost (R) quotes message from M Is stating apparatus in need of repairs before shipment; present LP set is in working condition 3/2 To M.Is.--(T)2 KW radio sets ex-CHATTANOOGA will be shipt Bost for without condensers and inductances. 3/2 To Bost--Appvs est. 3/3 To Bost--Gives action taken. Instrns.4/24 Bost reports on insulation of one kw set. 4/28 To S&A--Reqt shipt of trans set from KEARSARGE to Wash for dispo. 5/8	
223156	4-17	Bost T	Request installation ultra audion. W. To S&A--Reqt shipt of ultraudion detector from Wash to Bost for. 4/20 Boston - KERSARGE requests action 4/21 W To--Reqt shipt April 20th by express.4/25	
224167	4/22	CO R	Parts of set shipped from M Is lost enroute; request Lowenstein set be forwarded by express.W To Bost--(T)Shipt April 23rd. 4/23	
Phone	4/24	F.Lowenstein VOID	Re reqn for radio sets, to be provided with Crocker wheeler generators.	

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KEARSARGE Wireless tel. system 1912 2

Number.	Date.	From or To—	Subject.	
63841	3/14	Phila	Reqt auth. to place wireless outfit,etc. on board, have sufficient funds for Mch. to cover:	257--3
75302	8/8	To Phila	Reqt status of installation:	
75857	8/14	Phila. 581-357-6	Radio set; gives value at which carried on Storekeeper's books; will be charged to E of V 1913 when invoiced.W	
80430	10/17	To Phila	Reqt estimate for placing in serviceable condition and installing.	
82638	11-13	Phila 581-357-6	Recommends alterations and submits est. W. Fwd C&R.11/15.RB 11-20 To---appd.11/20.	
84085	11-2	CO	Gives description of set. W	
			1913	
			1915	
159237	6-29	CO	Reqt transoformer for quenched spark gap.W To--Not prepared to furnish. 7/1	

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257 -- 6 KEARSARGE: RADIO:

Number.	Date.	From or To—	Subject.	
164648	8-30	To Phila. (R)	Reqt information re installation of 5 K.W. radio set now in store at Phila. W Phila Replies. 9/1 To--(R) Can est be reduced. 9/2 Phila (R) Cannot reduce. 9/2	
164801	9-1	CO R	Gives reliable range for sending.W	
165160	9-7	To S&A.	Reqt shipment of radio audion apparatus from Phila to KEARSARGE. W	
165188	9-7	To Phila. (R)	& KENTUCKY: directs radio sets be retuned to 600, 750, and 950 meters and adjusted to best efficiency. W	
165330	9-7	CO	Reqt delivery of radio oufit. W S&A reports shipment wave meter 9-10 To Via Phila--Disappvs issue 5-K.W.set.9/9	
	To S&A--Reqt shipment of. 9/10 --Bd-I&S NY report shipment 9-10 9-13			
165333	9-7	CO	Reqt complete radio set.W To--Have reqtd shipment of set. 9/10	
165680	9-13	CO R	Reqt rotary spark gap and audion amplifier.W	258-6
165739	9-10	CO	Reqt rotary spark gap. W To HANCOCK--(R) Reqt ransfer to. 9/14 HANCOCK Have transferred.9/16	
166560	9/23	Phila	Reqt ultraudion detector furnished vessel be replaced for experiments in radio laboratory. W To--Not available. 9/25	
167915	9-30	CO	Reqt additional radio app.W To S&A-- Reqt shipment radio apparatus from Wash to CO. 10/12	

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[OVER.]

KEARSARGE: WIRELESS TEL. SYSTEM.

FILE No.		From or To— (Dated)		Subject.	
33006	3/3	Phila	GSK 113-581	Asks what action shall be taken towards supplying deficiencies. W Ret -- via N.Y. Directs another pair of telephone receivers be shipped with outfit 4/8. RB 4-28	
37008	4/21	NY	29-855-7	Wireless set; submits estimate for manufacturing. W Ret apprd.5/3. RB 5-10	
39058	5/20	To Mun.	T	Motor generator sets, cont.14462. Hold shipment two sets for instructions.	258-6
51982	10/26	To NY		Wireless transmitter; requests prints be forwarded to Phila Yd.	
52713	11/4	To Phila.		W.T.Set; request status of installation.W	
52813	11/6	Phila	T	Wireless set now in store house ready for installation with exception of rat-tail room ready. W To---Proposed to substitute modern high-frequency for one in store; directs work of installation be delayed pending decision.11/7. To-- Will not auth. high-Freq.set; directs low-freq.set be installed.11/28.	
53742	11/15	NY	29-855-10	Reports supplying Shoemaker receiving set type 3 with detector. W	
56072	12/14	To Ny		RECEIVERS: type I-P-76, reqn 202, rel to delivery to, for 1912	898

NB—0120

Number.	Date.	From or To—	Subject.	
591180	10/19	, Phila. (T)	Vessel undockt. Y	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

KEARSARGE: MACHY PLANTL

-1920-

Number.	Date.	From or To—	Subject.	
495296	5/22	Dept	Copy of letter to Phila stating vessel will be converted into a crane and salvage ship -DY	
495509	5/24	Dept	Vessel will be converted into a crane or salvage ship if Naval Appropriation carries such authority - DY	
496946	5/29	C&R	General arrangement covering conversion of vessel to crane ship- fwds print with comments on. To C&R 6;14-D. Plan satisfy 6-17.	D.
500692	6-23	To Dept JOINT	Recommends work of converting into Crane ship No I be done at Phila Detld instrns will be issued upon depts authority C&R-7;8-Y	
507237p-	7-24	To C&R	Machinery: Fwds plans .D.	
507921	7;26	Dept	Copy of letter to C&R stating vessel will retain original name .D	
515289	9;2	C&R	Fwds deck and bilge plans-D	
5176559	;16	C&R	Specifications covering ~~conference~~ conversion D into crane ship.D	

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257-8: KEARSARGE: MACH PLANT:

Number.	Date.	From or To--	Subject.	
524886	10;22	Phila	~~Request detailed engineering specns for converting vessel into crane ship No 1.D~~ To Phila Fwds Vandykes 11-2	
525293	10;25	C&R	Fwds final prints in connection with conversion of vessel.D	
539176	1/7	Phila Phila-submits est with comments-3;5-D To PhilaGives shipping instrn 3/28 To S&A Reqst shipmt of engine from Norf to S Phila 6830 3/31 RB-5;17-Y	Submits estimates of cost in detail to complete conversion of vessel to crane ship. D To Phila Reqst inform 1/13/21 To Phila 1/28 ~~Phila-submits estimated cost of completion-2;3-C~~ Fwd C&R 2/8/21 To Phila Reqst Inform re re instln evaporator and distillers 2/8/21	257-2
532307	2;3	To EO Phila	Fwds cc cont vandyke re boiler compartments and location of pumps D. Phila-3;2-D	~~257-19~~
BELOW		See original entries under 257-19. To Phila Gives modification of plan 3/24	To Phila Plans appvd with comment assgd file number 3/11 RB-with prints showing dynamo and dynamo condenser room-3;29 Fwd C&R 3/11 Phila-3;19-D	
550265	3;8	Phila copy	Vessel docked.A&Y	
532307		SEE ABOVE	To Phila- Reqst plan be submitted 3/31 D Phila-submits estimates-4;20-D Fwd C&R 4/25 RB-5;3-D To Phila Plan appvd with comment 5/4	

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KEARSARGE: MACHINE PLANT

Number.	Date.	From or To—	Subject.	
421115	5;20 5;26	JAG C&R	Report of Bd to inquire into collision between fgt. steamer MAJESTIC and KEARSAGE Fwd Operations. 5-29	
440193	8-20	To Bd I&S	Material Inspection. Fwds correspondence. Yo Dept 8-15 Instructions in conn with holding material inspection. Bd I&S - returns correspondence - 11/3	
441688	8/25	Dept	Copy of letter to Phila giving prelim. instrns in regard to placing ship out of commission - AY	
453808	10-?	Bd I&S	Fwds report of matrl insp held 9-9.	Y
455517	10/31	Bost	Copy of letter to Dept asking if vessels will be put out of commission at NY - Y	
457861	11/12	Dept	& KENTUCKY - Phila has been assigned as Home Yd - Bost directed to transfer outstanding job orders - Y	

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257 - 8 KEARSARGE: MACHY PLANT

Number.	Date.	From or To—	Subject.	
458063	11/12	Dept	Phila assigned as home Yd.	
458061	11/12	Dept	Vessel assigned to Phila as home yard-Y	
458519	11/17	A. G. Hearne (?)	& KENTUCKY - Copy of letter to Phila fwding allowance books for - Y	
461228	12-2	Boston	Copy of letter to Phila transferring outstanding job orders.	Y
4 461639	12-3	Phila	Submits report of Gen Survey Bd & Board of Survey & Estimates; Fwd Operations. 12-10 RB-12;16 Fwd Operations. 12-10 RB-12;26 To - Work to be held in abeyance. copy to CO with copy of correspondence. 12-17 To Phila. 12-30 copy to CO. Phila-ask if job orders listed ~~should be~~ cancelled-12;10-Y	
To Phila orders 12-15 Phila-1;10-Y		Gives Mod of job		
To Phila cancellation authd cc Oprns C&R 2/15/21				
473449	1/31	C&R	In connection with conversion of vessel of KEARSARGE calss into a ship suitable for carrying 250 ton crans. D.	R-1

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1918

KEARSARGE: MACHY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
336469	7/24	Atl Flt	Quarterly battle insp - fwds report - Y Fwd Dept, Via Nav 8-23
339446	8/20	Bost T	Request Bureau action on material inspection-Y To Boston (T) inspt report authorized, 8-22 Phone Boston, Giving action on report, 8-22 Dept 8-22 request repairs and alterations. To Boston, repairs and alterations at 8-23 8/22 - C&R; Copy of telegram to Boston authorizing work - Y. 8/21 - Boston; confirms telephone conversation in connection with various items of repair - Y Bost (T) request action - 8/23 - Y To Boston (T) re inspection; action taken 8-24 To Boston, smokepipes authorized, 8-27
341117	8/24	C&R	Quotes from work under C&R items under cognizance of SE; examines smoke pipe, installation distant control for search light, etc; - Y To C&R Alterations authorized 8-28
344213	8/30	Bost	& KENTUCKY - finished machy plans - reqst van dykes - D To Comdt Boston- Fwdg 4 Rolls of vandyke prints of machinery plans - 4/10
405855	3/5 3/24	CO Atl Battleship Force 1	Request install duplex pump for distributing fresh water - remove dynamo and generator - etc-D To- Alterations disappvd 3-29 copy to Bat Div. "A" and Bat Force 1

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N.S.E. Form 134.

KEARSARGE: MACH PLANT: GENERAL

Number.	Date.	From or To—	Subject.	
352448	9-25	Dept	Oct. 8 set for compensation of all auth. work Y	
356356	10;7	Operation	Repairs 10;12 A	
357747	10/13	Bost T	Reports on post repair trial - Y	
366668	10-18	Boston	Reqts repairs to lamps and torvhes Fwd Boston, 11-12	Y
398103	2;29 2;19	At Flt Dept	Fwds report of annual inspection Y Fwd Operations via Navgn and M&s. 3-18	
405854	3/5 3/24	CO Atl Battleship Force One void see 15	Request install zinc boxes on salt water lines - install valve on auxiliary steam line- etc - D	

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KEARSARGE: MACHINERY:PLANT: GENERAL.

1915

Number.	Date.	From or To—	Subject.	
166538	9/23	Dept	Directs material inspection Phila.Yd. Y	
170156	11-3	Dept	Hull report.Y Fwd C&R--Noted. 11/4	
			1916	
175511	1-6	Dept	Directs material inspection Phila.Y To Bd I&S-- Fwds Record of Work. 1/8 Bd I&S returns corres 3-27	
176307	1-10	CO	Alterations, salinometer cocks; proposed connection boiler blow line, time firing device, alter back casings all boilers, heavier boiler insulation. Y Fwd Dept--Recommendations. 1/25 RB 1/27 Fwd CO Via Phila-- Gives action on. 1/27 RB 2/28	
176756	1-19	Dept	To relieve CHICAGO Mass N.M. CHICAGOto be transferred to Penn. N.M. Y	
177198	1-24	Dept	Directs work be proceeded with at Phila.Y	
178553	2-4 2-9	Phila C&R	Recommends March 11 repair limit.Y Fwd Dept-- 2/10	
178828	2-11	Dept	Repair limit March 11.Y	
179085	2-1	Bd I&S	Material inspection; fwds report.Y To Phila--(R)Auth ship's force perform item 26s. 2/21 To Phila--Asks size and location of holes in front casing of boiles. 2/24	

N.S.E. Form 134.

KEARSARGE: MACHINERY PLANT: GENERAL. 257-8

Number.	Date.	From or To—	Subject.	
180162	2-25	Phila	Reports of Board survey and estimates. Y Fwd Dept--Recommendations. 2/29 RB 3/3 To--Gives action on. 3/3 Phila item 13; rebabbitting brasses; only 6 require 3-22 Fwd Dept-- 3/24 RB 3/27	
180483	2-23 2-29	Phila Dept	Date of combetion; reqt re ommendation re completing repairs recommended. Y Fwd Dept--Recommendations. 3/3	
180556	3-2	Dept	Repair limit Apr L	
181521	3-13	Dept	Military inspection; fwds report. Y Retd-Via C&R--Noted. 3/15	
			1917	
214715	2/14	To Norf	& KENTUCKY Reqt all tracings on file showing changes in machy install be fwded to Bu. D Norf fwds tracings 2-17 To Norf request tracings omitted 2/23 Norf unable to locate missing tracings; fwds print made from vandykes 3-1	
247670	8/4	CO	Reports on readiness for war service Y Fwd Dept via C&R Ord--Comments on. 9/12	
297668	4/13	Dept	Directs repairs at Bost 4/14 boat cranes, etc - A	

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KEARSARGE: MACHINERY PLANT: GENERAL: 1912

Number.	Date.	From or To—		Subject.
66223	4-8 4-11	Phila Dept		Commissioning of; gives list of stores and material under title "A" chargeable against appro. when drawn out for installation.Y Fwd S&A.via Ord.4/22.
69353	5-7	Phila	581-454	Corrects total expenditures authorized: $210,591. against Bureau figuring $166,591.Y Fwd Dept.rec appr.5/22. RB 5-24 To---addtl for changing trap discharges in fire rooms appd.5/25.
72043	6-24	Phila	581-3	Fwds statement expenditures under title "D". Y Fwd Ord.6/26.
72094	6-24	Phila		Statement of expenditures under title "D". A-Y
77435	8/28 9/4	CO Norf.		Reports on dock trial. Reports all machinery in satisfactory condition except for minor defects which are being remedied.Y
82431	10/31 11/8	CO Phila.	581-140	Manufacture pans to be fitted under lathes and compressors, and manufacture splash plates for port engine.Y To Phila.appd.11/18.
84844	11-29 12-9	CO Phila	581-151-2	Repair gaskets,filter tank covers, and valves.Y To Phila.appd.12/12

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N.S.E. Form 134.

KEARSARGE. 257--8

1913

Number.	Date.	From or To—	Subject.	
89690	2/8	Bd I&S	& ILLINOIS, reqt repair papers, etc	238--8
90398	2/15	Bd I&S 231	Material inspection; fwds report.Y	
111598	11/21	Dept	Fwds report of military inspn	493
		1914		
126245	6/10	Dept.	Military inspection; fwds report.Y Fwd Dept via Ord and S&A.6/15.	
		1915		
145564	1-23	Dept	Military inspection; forwards report. Y Retd via Ord-S&A- Noted. 1/27	
153213	4-24	Phila	Lists unfinished work due to shortage of funds.Y Fwd Dept 4/26 RB 4/29 To--Dept auth posponement of. 4/29	
165140	9-4 9-5	Phila Dept R	Estimate for repairs to distillers, main engines,etc.Y	
165218	8-29	CO	KY; list of urgent repairs; Dept auth 10 days work	258-8
165359	9-3	Phila	Estimate for work on ~~ee~~ distillers, and main engines.Y	

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KEARSARGE: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—		Subject.
41018	5/25 6/10	Phila Dept	9640-555	Probable date of completion of work; est. Reports certain items of work (elec) not yet authorized. Y To Phila. Reqst items of uncompleted elec.work be noted.6/15. Fwd C&R. Noted.6/16.
43351	7/8	Phila	581-8	Reports letters on which no action has been taken, principally elec. work. Y&L Ret -- States Bu's actions.7/14. RB8.1
44474	7/24	Phila	581-8	Probable date of completion; reqt. specific action on battery charging room. L To -- Reqst return of E.O's letter of July 8th. 7/26.
50310	9/28 10/5	Phila C&R	10386-E/956	C&R survey; submits revised estimates in connection with magazine and shell storage.Y Fwd Dept.10/13.
51419	10/19	Dept		Date of complet on repairs fixed Mch.15th; fwds report from Phila re status of work. Y Ret---10/26.
57694	1/2	Phila	581-474-7	Reqt. increase in allotment covering misc. job orders.Y To---Addtl $5000 allotted.1/5.
58351	1/9 1/11	Phila Dept	581-65	No reason why work cannot be completed Mch.15th. Y Fwd C&R via Ord. 1/15.

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N.S.E. Form 134.

KEARSARGE: MACHY PLANT; 257-8

Number.	Date.	From or To—		Subject.
60625	1-31	Norf	682	& SEVERN: SUBMARINES: LEBANON: gives status of repairs and probable dates of completion.Y
			VOID.	Fwd C&R.via Ord.Noted.2/8.
61619	2-19	Phila	1200-1	By postponing certain job orders to July 1st can save $16,000 EofV. Req.t. telegraphic instructions. Y-A
				To---Directs continuation of certain job orders.2/20.
61825	2-21	Phila	1200-1	Suspension work due to shortage funds; recommends amended instructions re dis-continuing work in dynamo rooms.Y
				To---Directs Job order 2632 be completed. 2/24.
62146	2-24	Phila		& DELA WARE; vandyke; req.t. of certain drawings. D
				To---Fwds Vandykes.3/7.
63232	3-8	Phila	1961	Additional estimate for alterations already approved.Y-D
64633	3-23 3-26	Phila Dept		To be placed in second reserve and no stores to be placed on. Y
				Fwd Dept Via Ord,S&A,C&R. Recom.3228
65063	3-18	Phila	581-65	Fwds list of equipage under various Bureaus which have been placed on board; will cost $102,000 to place in full comm ssion; Dept directs remain in reserve until after July 1st.Y
				Fwd Dept. via Ord,S&A and C&R 4/22.

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KEARSARGE: MAIN ENGINES:

1912

Number.	Date.	From or To—		Subject.
60685	2-6	Phila	581-474-6	Submits revised estimates for overhaul lubricating system.Y To---appd.2/13.
78466	9-17	Phila	581-160	Main engines; reqt. vandykes of jacking and hand gear. D. To--fwds 9/25
				1914 1913
119393	2-13 3-3	CO Phila	581-160	Cylinder head for main engines; estimate.Y Fwd Dept.rec appr.3/9. To Phila.appd.3/12.
				1916
197877	8-25	CO		Cylinder covers, main HP engine; reports having panting motion; reqt investigation.Y To--Comments on.9/2
				1917
269123	12/22	Battle Ship Force No1		Reports starboard high pressure cylinder coupling cracked - Y To (T)-Quotes tel to Mass.12-24 Battleship Force No.1-states arrangement made with Engr Offer of yard.12/28 To Boston-Auth install new covers when received from NY. 12-29 To Mass (T)-NY Yard ordered mfg new port and starboard PH cylinder covers KEARSAGE and ship to boston for install between Jan 10th and 22nd.12-24 To NY-Direct mfg at once starboard and port H P cylinders covers for similar to KENTUCKY.12-24
269646	12/20	CO		Repairs to H P cylinder covers - Y
269744	12-22	Phone Battleship Force One Lt. Holliday		H.P.cylinder covers,port and starboard. Y

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N.S.E. Form 134.

257 -- 9 KEARSAGE: MAIN ENGINES:

Number.	Date.	From or To—	Subject.	
269123	12-29	SEE OVER	To NY (T)-Mfg at once port and starboard H.P. cylinder covers for similar KENTUCKY orderd letter Dec. 15th. Must be Boston for installation between Jan 10th and 22nd. 12-24 Boston--Fwds prints.1/18.D o Boston- New design for cylinder heads a.pvd. Auth to proceed with mfg. in accordance. 1-31 KENTUCKY- ILLINOIS & CRUSIER FORCE ONE ATL FLT Bost - (No date) cylinder heads fitted on main engine - Y	

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KEARSARGE: MAIN BOILERS:

Number.	Date.	From or To—	Subject.	
585078	9;6	Phila	Smoke pipe-fwds plans.D To Phila Plan Assgd file 9/19	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

KEARSARGE: MAIN BOILERS.

Number.	Date.	From or To—	Subject.	
387803	1;11	CO	Reports on condition of evaporating plant	Y
367955	3-18	SEE CARD 6	To CO- Inform if material received and return yellow copy of shipt order. copy to S.O. Norf and S&A. 3-18 RB 4;11	
Dept copy of tel. ship available for tional evaporators 4;16		to Boston making installation of addi- 4;14 Norf.	CO - Submits report of evaporating plant furnished by Roe & Davis Co - lists advantages and disadvantages of these evaporators over Navy standard - 3/6 - D (Cross to 633-1)	
To S.O. Boston- received. copy to CO. 4-17		Inform when material is	Bost (T) additional evaporator cannot be installed during docking - 4/1	
To S.O. Norf- Reqts that the three evaporators be issued to Machy Div. 4-22			To Boston (T)- Information reqted time required install additional evaporator. 4-2	
Shipment order 4;12 RB 4;23			Bost (T) 20 working days reqd to install additional evaporator - 4/5	
Bost (T) ask if ship will be available for 20 working days additional evaporators - 4/12			Fwd Operations 4/10 RB 4;12	
S&A-7;24 Fwd S&A. 7-28 - RB-8;12 Fwd S&A. 8-13			To S&A- Reqt shipt evaporator from Brook to Boston. 4-12	
			To Comdt Boston- Shipt of evoporator auth and necessary instructions issued by wire. copy to CO and Bat Force 1 and Bat Div. "A". 4-14	
			To Boston(T)-Made available for installation new evaporator. FLT SUP BASE instructed to ship evaporator to Boston by wire. 4-14	
411046	4;9 CHANGED TO 554- 6	CO	Alterations to antenna entrance insulation main antenna lead to upper deck radio fwds. sketches W	

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N.S.E. Form 134.

KEARSARGE: MAIN BOILERS.

Number.	Date.	From or To—	Subject.	
430021	7-7	Fwd Bd I&S	Alterations of boilers. Db CO 6/10 Battleship Force #1 6/30- Submits recommendations in conn w modification of of boiler brick work in order to improve efficiency- Y RB-11;12 ~~Fwd Bd~~	
436774	6;30	CO	Lists job orders which have been cancelled- recommends ~~remove~~ bitumastic in both engine room bilges. Y Fwd Boston. copy to CO. 8-4	
458138	10/29 11/15	CO Phila	Reqst completely overhaul all forced draft blowers in fire room - Y Fwd Comdt Phila. copy to Operations and CO.11-19	
520677	10-4	~~To SO Boston~~	~~Evaporators Reqst type and capacity be given Y Boston-10;13-Y~~ ~~To Boston Gives instrns 10-20~~	
527 527421	11-5	To Phila	Ass Tubes (FOUR) Tubes of boilers to be cut out, Drums being preserved D. Phila recommends boilers be surveyed and sold-5;5 To Phila Appvd 5/13	
527786	11/4	C&R	Confirms telephone conversation in conn with removal of boilers from. D.	

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KEARSARGE: MAIN BOILERS.

Number.	Date.	From or To—	Subject.	
213220	1-31	NY KENTUCKY	& KEARSARGE: evaporator plans; request.	
219587	3-24	Bost	Special fire brick;reqt plans D.	
266429	11-27	C O	KEARSARGE & ILLINOIS Mosher boilers - relative to maintaining stock of boiler tubes at Bost Yd sufficient to retube boilers of one vessel - Y	258-10
248104	9-6	C O	& KENTUCKY & ILLINOIS: Mosher boilers - relative to spare tubes for. Y	258-10
			1918	
296358	4/6	Bost	& KENTUCKY boiler plans - fwds - D	
303490	5/4	To Boston	Author. install. of forced lubrication on blowers. Y CO - recommends installation-5/12-Y To Boston, Rqst cancellation of forced lubrication for draft blowers, 6-8	

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KEARSARGE: MAIN BOILERS (257) - 10

Number.	Date.	From or To—	Subject.
342064	8/27	Bost T	~~Evaporator plans and evaporator feed heaters reqd for - Y&D~~ To---- (T) Re shipment of evaporators by exp. from NY for intallation. 8/28
342193	8/28	To S&A	Reqts. shipt. of evaporators from NY to Boston for KEARSARGE. 8/28 Boston 9-3 To Boston. Rqst inform re receipt of order 9-6 Shipment order 8-28 RE 9-17
367955	10-30 1;20;19 1;31 2;5 Bost - 2/27 3;10	CO Boston Row & Davis. Boston 3;11 Row & Davis 3;7	Evap. instal. report on Y&D To Boston, Reqts re above. 11-13 ~~To Bost. rd evaporating & distilling plant.~~ 12-5 ~~To Row & Davis, Comments re evaporators installed,~~ 12-5 CO reports evaporators operating more satisfly. 12;19 Row & Davis req interview 1;16;19 To Row Davis Co- Reqts send rep fro interview. 1-18 To Boston- Advise if order is duplicated. 2-8 Copy to CO Row & Davis Co fwds report of representatives 2;15 D To Row & Davis. Reqts shipt new baffles to Norf. 2-21 To CO- Gives action on letter from Row & Davis. 2-21 To omdt Boston- Instalation additional 3-29 ~~Reqst. 100 tube brushes for mother~~ ~~copies to Bat. "A" Bat Force 1 and CO~~ Water tube boilers be supplied Y
383666	12;18 1;6	CO Bat Sh Force #1	To-Will apvd reqn for brushes 1-18

Fwd S&A. 3-7 copies to S.O. Boston
Eng. Off. Boston and CO
Row & Davis 4 sets of baffles shipped
Row & Davis relative to installation of new baffles for evaporators on KENTUCKY 3;13 Y
Bost. fwds copy of ships req. 3;14 Y evaporators apvd. 3-29

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KEARSARGE: MAIN BOILERS. 1912

Number.	Date.	From or To—	Subject.	
71644	6-17	Mosher W.T.Boiler Co	& KENTUCKY: MAYFLOWER: fwds tracings. D	
72276	6-4 6-22	Mosher W.T.Boiler Co Phila	Boilers; contractors refuse to pay $80 for refitting man and hand hole plates. D Ret Phila.asks necessity for doing this work.6/29.RB 7 8 Fwd S&A.via Dept. with rec.7/11.RB 7 10 To--B&W Quote Dept Instructions 7/16 Ref.S&A 7/16 RB 7-25 To-Phila. reqt measurements 7/25 RefS&A 7/25	
72524	7/2	To Phila.	Mosher boilers; forwards prints for delivery to CO. D	
73461	7/13	Phila.	Mosher boilers; request prints.D TO---Fwds prints.7/19.	
75694	8/7 8/13	Phila. C&R 2742.E-3	Locker for boiler feed testing apparatus; authorized in error under S.E. D Ref-Phila. will be furnished 8/14 RB 8-24	
78069	?	Phila 1660	& KENTUCKY; fire brick for Mosher boilers; reqt.b/p. D To--Fwds 9/18	
82798	11/16	To C.O.	MOSHER BOILER, reqt erport of performance	612
			1913	
87323	12/9	Mosher Boiler Co.	Mosher boiler cont 12149, calls for unskilled labor, hoisting, etc. to be furnished by Govt. Services not rendered, submits bills to cover.	612

N.S.E. Form 134.

KEARSARGE: MAIN BOILERS. 257-10 1913

Number.	Date.	From or To—	Subject.	
94358	3-21	CO	Evaporators; connect up to run in double effect. D.	
	4-5	Phila 581-230-6	Fwd Dept. Rec change be disappd. 4/8. R.B	4-12
			To Phila. disappd. 4/15.	
145474	1-25	To Phila.	Rearrangement of fire brick at back of boiler Furnaces; fwds print with reqt be modified accordingly. D	
		1915		
154798	5-7	CO	Tube cleaners for 2" tubes; reqt authority to turn in. Y	
	5-12	Phila	To via Phila-- Appvs; call survey on. 5/13	
	7-16	To Phila.	Survey 82/342; re evaporator coils reserved for; appvs repairs to. Y	
		1916		
183455	3-31	Phila	Fwds print marked to show holes in boiler casings. D	
191578	6-23	To Bost.	Directs struts in lower drums be installed; fwds print of. YD	
201003	10-3	Phila R	& KENTUCKY; evaporator; plan; reqt. D	
203394	10/24	To Bost	Ask what steps have been taken to install compression struts in lower drums of boilers of. 10/24	
			Bost castings being made Watertown no delivery 10-30	

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KEARSARGE: MAIN BOILERS: ETC.

Number.	Date.	From or To—		Subject.	
42762	7/1	Mosher	328	Boilers; reports progress of work (To replace those turned over to MAYFLOWER. D	
45224	8/1	Mosher	245	Report of progress on boilers. D	
45225	8/3	Mosher		& MAYFLOWER: submits proposition for changing internal pipes in boiler drums	283--10
46264	8/11	Mosher	352	KENTUCKY: ILLINOIS: Fwds prints showing proposed modification internal feed pipes in boilers.D. To---Appd.8/17.	
44852	9/15	To S&A		Instructions re payments	283-10
44852	9/18	TO Phila		Reqt. adviseability to making partial payment $10,000.A	283-10
49273	9/21	Phila	587-2	Installation of boilers; states contractors can now be paid 9/10th of money.A-D Fwd S&A-recomds.9/26 RB 10-12 Fwd S&A.Rec be applied to cont.12149. 10/13.	
51378	10/18	TO Phila		Baffle for dry pipe of boilers; fwds prints showing that installed on MAYFLOWER. D	
51998	10/24	Phila	581-87-6	Baffle for dry piping in boilers; fwds estimate. D-Y Fwd Dept.Rec appr·10/27. RB 10-31 a'ppd To---appd·11/1.	

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KEARSARGE: MAIN BOILERS: ETC/ 257--10

Number.	Date.	From or To—	Subject.
52497	11/1	To Phila.	1-1/2" angle stop valve; Mosher order No. 2515. Requests inspection. B 11-8
54447	11/23	Mosher Boiler Co.	Has quantity of firebrick and clay left over from boilers; quotes price and asks if Bureau can use.D To--Advises of action.11/28. To Phila-Rec.list be verified and reqn. to cover be prepared for purchase.11/28.
			1912
61945	2-16 2-20	Mosher W.T. Boiler Co Phila 1659-1	& KENTUCKY:Boiler contracts; did not cover spare grate bars; testing apparatus should be omitted at deduction $15. from.D-R Ret Phila.Contrs should furnish grate bars.2/24.
64948	3/27	Phila.	Boilers; request prints.D
65128	4/1	To Mosher	& KENTUCKY: boilers: requests completion of finished tracings be expedited.D To---Asks when tracings will be shipped.5/14
69523	5-23	Mosher 373	& KENTUCKY; re furnishing finished tracing.D TO -- Contractors shd furnish? 5-24
71124	6-13	Mosher 392	& KENTUCKY; have directed contractors to send tra ings of boiler fittings.D

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KEARSARGE: BOILERS &C.

FILE No.		From or To— (Dated)	Subject.
37414	4/28	Mosher 296-A	Reqt. inspection of grate bars.S Fwd Norf. Reqst insp.be undertaken; prints fwd. 5/1. RB 6-1
37490	4/24 4/29	Mosher Co S&A 12149	Fwds bid and correspondence relative to bid covering boilers to be installed on, to replace those installed on MAYFLOWER.D Ret S&A.Statement of facts concerning contract.5/1.
37865	5/3	Mosher 298-A	& KENTUCKY: Monthly report prog. on boilers. D
37859	5/4	S&A	Boilers; fwds copy of letter to Mosher Co. relative to delivery of boilers for, to replace those used on MAYFLOWER. D
40047	5/26	Phila 385	Boilers to replace those used on MAYFLOWER: asks date of delivery.Y To -- Request probable date of del.6/1.
40124	6/1	Mosher 309	Reports on progress of work on boilers to replace those used for MAYFLOWER.D
40733	6/8	Phila	Fwds correspondence with Mosher Water Tube Boiler Co. rel to date of delivery of boilers to replace those transferred to the MAYFLOWER. D
42460	6/28	Mosher	KEARSARGE:KENTUCKY:MAYFLOWER:ILLINOIS: relto furnishing tracings of boilers as completed. D To -- One set of cloth prints required for MAYFLOWER. 6/30.

KEARSARGE: -- BOILERS & PARTS, SMOKE PIPES, ASH EXPELLERS, FEED WATER HEATERS, ETC.

FILE No.	From or To— (Dated)	Subject.	
28599 2/27	To Phila Yd.	Erection of boilers: Only work to be fur. by Govt. is unskilled labor, hoisting,etc. See also KENTUCKY.	
32797 3/1	Mosher	& KENTUCKY: Report progress of work on boiler.D	
33708 3/11	Phila	Reports differences with contractors for boilers as to what portion of work shall be done by them and what assistance shall be furnished by Yard. D. To MacAddt.Instructions.- Also applies to KENTUCKY & ILLINOIS. To Mosher Co. Copy of letter fwd. 3/14.	
34977 3/29	Mosher 288	& MENTUCKY: fwds weight sheets of Mosher water tube boilers. D	
35177 3/31	Mosher	KENTUCKY: report on boilers for March. G.	
35769 4/8	Phila	MAYFLOWER: have issued orders to give asst. to Mosher Co. in transferring boiler material from Kearsarge for.	283--10
35990 4/12	TO Insprs.Mun & Mosher	Do not make special trip for inspection of castings. S RB 4-19 (Fwd Mass. Factory insp.waived.4/13.RB 4-19 of rolled zinc plates.	
37401 4/28	Mosher 297	Boilers ordered to replace those given to MAYFLOWER; Regt. inspection instructions. S To -- Instructions.5/2.	

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KEARSARGE -- BOILERS, & PARTS, SMOKE PIPES, ASH EXPELLERS, FEED WATER HEATERS, ETC.

FILE No.		From or To— (Dated)		Subject.
28074	12/31	Mosher	242-A	Report of progress of work -- Also KENTUCKY
28198	12/31	Mosher	245	Gage glass fittings; fwds prints; Also KENTUCKY (D) To -- Not appr--Print 4-Y-153 fwd 1/11.
28420	1/6	TO Mosher		AND KENTUCKY; fwds report of Board on evaporation tests (D)
28694	1/9	Mosher	246	AND KENTUCKY; gage cocks for boilers; re polishing bodies of Fwd Mass Bodies need not be polished 1/11. R.B. 1/18
29217	1/10	C&R	10386.E.884	Re recesses for pumps and removal of air locks Ret C&R. States what satis to Bu.1/21. R.B. 2/2. To Phila Yd Recessing to be done 2/3 Ret C&R 2/3.
29299	1/17	Mosher	211	Reqt. to be allowed further payment on contract 12149. Fwd -- for est.for work done 1/19. R.B.1/23. Fwd Dept. Rec.appr 1/24. R.B.appd 2/2. To -- apprd 2/4.
30061	1/26	Mosher		Contract 12149; reqt. authority to begin shipment to Phila. Yard. To Phila Yd.Asks if satis.to ship at once 2/1. To -- shipment auth.2/4.
30442	1/30	Mosher	259	AND KENTUCKY;Fwds prints of gage glasses & fittings. D To -- apprd 2/6. To -- Fwd apprd prints 2/11.
30655	2/1	Mosher	260	AND KENTUCKY; boilers; report progress. D
30699	2/2	Phila.Yd	113-41	Ready to receive all boilers.D To -- Re shipment 2/4.

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Number.	Date.	From or To—	Subject.	

KEARSARGE:AUXILIARY MACHINERY.

1917

Number.	Date.	From or To—	Subject.	
255653	10/19	C&R	steamer 1025 substituted for 402.	611-1
265251	12-7	To KEARSARGE	Power Boats - Re discrepancy between Bu records and log. Y	611-2
266217	12-8	C & R	Assigns sailing launches C-294 to KEARSARGE. Y	611-2
266233	12-7	NY	Boiler 1840 installed in cutter 1025, KEARSARGE. Y	611-1
266491	12-8	N Y	Engine 1176 installed in cutter 1025, KEARSARGE. Y	611-1
287107	3-7	C&R VOID	KEARSARGE - launch C-292 previously assigned SOUTH DAKOTA C-292 to be shipped KEARSARGE. Y	
287107	3-7	C&R	KEARSARGE - launch C-292 previously assigned to diverted to SOUTH DAKOTA - C-292 to be shipped KEARSARGE. Y	611-2
290485	3-14	USS KEARSARGE.	Reports receipt of motor boat 3221 engine 2917. Y.	611-2.
315747	6/11	Phila	Assignemtn of motor boats to KERSEARGE& HENDERSON	611-2
321476	6/27	C&R	Copy of shipment order covering 36 foot motor sailer from Phila to Kersarge Y	611-2
348796	9/13	Phila	36' M S 297 assigned to KEARSAGE Y	611-2

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
388540	1/24	C&R	40' steamer 874 to replace 408 steamer on Bd KEARSAGE Y	1103 611-2
391941	2/4	Bost	Fwds report on operation of Roe & Davis evaporators on the KEARSARGE and request instrns relative to installing on KENTUCKY - Y.	258-10
403843	3/2	CO KEARSARGE	Submits report of changes in power boat machinery. Y.	611-2
409911	4/8	C&R	Copy of letter to Boston directing assign 40 ft steamer to KEARSARGE. Y	771
409874	4/8	C&R	Boston directs assign 40 ft steamer to KEARSARGE . Y	611-1
411762	4/17	C&R	40 foot steamer 15039 assigned to Kearsarge Y.	611-1
417711	5/10	C&R	Tel: Boston auth issue motor boat to KEARSARGE. Y.	611-1
416694	5/1 5/6	CO KEOSARGE Battleship Force #1.	Report of changes in power boat machinery Y.	611-1
427706	6/10	KEARSAGE	Submits report of test in power boats. Y	611-2
552062	3/17	C&R	Copy of let to Phila in connection with retaining boats listed for crane ship #1 Y	611-2

4—3381

[OVER.]

KEARSARGE: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
			1912	
85940	11-18 12-25	CO Phila 581-190-2	Repair piston valve ash hoist engine.Y	
			1913	
87810	1/18	To	Steamer 605, engine 627, steamer log lists as type E-2, Bu. record shows type G-2,	611--1
98542	5/31	C&R	TENN: will return steamers 1102 to	611--2
			1914	
117045	2/6	Phila	CC engine 2148 installed in motor sailing launch 1214 assigned to	611--2
118760	2/28	To KEARSAGE	Steam log; steamer #1 is listed as Hull #103; correct no. is 1103.	611-1
#	10-2	To Phila:	Survey #2 Ward G-2 square steamer boiler in steamer 1103 Boiler No. 2053.	
			1915	
152034	4-10	TO	launch 1214; re number of eng	611-2
153215	4-8 4-19	CO Phila	Repairs to condenser No 1 steamer.Y Fwd Dept--Rec repairs be posponed until after end of present fiscal year.4/26 RB 4/30 To Phila--Work posponed. 5/1	

N.S.E. Form 134.

KEARSAGE: AUXILIARY MACHINERY. 257 — 11

Number.	Date.	From or To—	Subject.	
153814	4/28	KEARSAGE	Reqt approval of reqn for G-1 boiler for steamer 605 to replace one condemned	611-1
155001	5/4	KEARSAGE	Reqt permission to renew request for steamer boiler; C-in-C recommends issue of G-1 boiler 1732	611-1
155547	5/20	C&R	Authorizes transfer of 40' steamer 1109 to, to replace 1102	611-1
155549	5/13	CO	Reqt authority to transfer steamer from ~~to-~~ ALABAMA to	611-1
155519	5/20	Phila	Reports issue of boiler 1732 for steamer 605	611-1
			1916	
197233	8/18	CO	Reqt HH engine, new type carburetor for CC engine 2148, or new HH engine	611-2
197876	7-25	CO	Reqt b/p of steam launch engine and boilers	611-3
			1917	
230419	5/22	KEARSARGE	Engine 1006, boiler 2052, hull 1109; request repairs to boiler.	611-1
242125	8-2	C&R	40' steamer 3217 and motor sailing launch 3221 assigned to KEARSARGE	611-1
242124	8-2	C&R	36' steamer 402 assigned to KEARSAGE.	611-1
248830	?	KEARSAGE	Request engines and boilers for steamers.	611-1
255457	10/9	Bost	& ILLINOIS; reqt Norf issue boilers to take place of 3217 and 3218-will not be ready for delivery until 1918.	611-1

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[OVER.]

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KEARSARGE -- AUXILIARY MACHY

1

FILE No.		From or To— (Dated)	Subject.	
30877	2/2	Phila	Boats: reqt auth. to install Ward boiler, G-1 round No. 2005 in launch 629, for: in lieu of #1632	611--1
46257	8/14	C&R	Boats: auth. use cutter 1102 to : to replace 629 at present on MISSISSIPPI	611--1
			1912	
59837	1/27	C&R	Boats: assigns 36' cutter 605 from Phila	611--1
60467	2/5	C&R	BOATS: assigns 40' cutter 1103 from Phila	611--1
79400	9-10 9-27	CO Phila 581-190-6	Repair ash hoist engine.Y	
	10/8	To CO VIA Phila. & C-in-C.Atl.Flt.	Survey and Appraisal Afloat Request No. 1 of 10/1--Retd.for compliance with the Bu's. requirements re all corres., surveys and reqns. involving launch machinery.	
80791	10/21	Phila	Engine 627, installed steamer 605,	611-1
83762	11-18 11-23	CO Phila 581-190	Ash hoist engine; cast controlling valve for.Y	

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KEARSARGE: CONDENSERS: Main, Auxiliary and Dynamo.

FILE No.	From or To— (Dated)	Subject.	
Phila.reqn.403	2/4 Fwd Dept	Condenser tubes; rec.of award.	
		1912	
58571 1/12	Phila 1690-8-2	Reqt. prints of boiler stop valve and safety valve easing gear.D	
		1913	
		1916	
178622 2-9	Phila	Estimate for renewing condenser ferrules completing work undertaken by ships force.Y	

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N.S.E. Form 134.

1916

KEARSAGE: HEATING: VENTILATION AND REFRIGERATION. 257 -- 13

Number.	Date.	From or To—	Subject.
195237	7/31	CO	Box for refrigerating plant; request relief valves. Y Fwd Bost—Authorized 8/2 RB job order issued 8/17
244404	7/25	S&A	Fwds survey on meats - states cause of spoiling due to insufficient refrigeration Y To CO—(T) Ask if replace parts for ice machine been received. 8/18 CO (R) ice machine parts shipped Norf 8/26 8/25 Fwd S&A—8/25 R B 9/5 Fwd S&A—8/29
385714	1;15	NY	Req. shipping inspection covering spare parts for Allen Dense Ice Machine Y Fwd NY via S&A. 1-17 Copy to CO and NY Yd.
		1921	
562635	5;6	Phila	Request print showing circulating pump ice machine. To EO Phila Fwds Vandyke 5/11 Phila. 5/23 D To Phila Fwds Vandykes 5/27

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[OVER.]

257--13

KEARSARGE: HEATING: VENTILATING: ETC.

Number.	Date.	From or To—		Subject.	
41198	6/13	Phila	581-53	Re-arrangement of cold storage spaces: states plans and estimates are being prepared and reqt allotment to cover. D Fwd C&R. Reqst papers be fwd to this Bu. 6/17. ~~RB 6-24~~ To--- Asks when plans will be received. 7/24.	
42041	6/23	C&R	10386-E-920	Recommendations based on report of Commissary Board, re-arrangement of/storage space. D cold Ret---11/3.	
45206	8/1	Phila	587-53	Re arrangement of cold storage space; plans will be forwarded early in Sept. Y&D Ret---Asks when modified plans will be submitted. 10/6. ~~RB 11-3~~ Fwd Dept. Rec a ppr of S.E. work. 11/3. ~~RB 11-6 a'ppd~~ To----Work auth. 11/7.	
				1912 1914 1913	
135914	10-3	Phila	T Adm. Caperton. Y	Reqt authority to replace ice machine cylinder transferred to MINNESOTA by order of To-- Appvd. 10/3	
143374	12-21 12-29	~~CO~~ MINNESOTA Pgula		Ice machine; reqt shipment of crank shaft fly wheel from; not required. Y Fwd S&A--Reqt shipment of: 1/2 Feb 27	

NB—0120

KEARSAGE: PROPELLERS AND SHAFTING.

1916

Number.	Date.	From or To—	Subject.	
193416	7/12	C&R	Reports bad condition stbd propeller.Y	
		1917		
210935	1-8	C&R	Propeller blades bent.Y	
239116	7/18	To Bost	Ask disposition made of spare propeller blades reported at Yard. Y Bost ()R) & GEORGIA 8/28 To—8/29 Bost - 9/6	
995	1/28	Inspr Erie	Request shipping instrns covering outboard couplings for KEARSARGE & KENTUCKY S&Y	629
995	2/6	To Inspr Pitts.	Outboard couplings for KEARSARGE & KENTUCKY states shipt order was issued thru Bur. S&A Sept. 5, 1918.	
995	2/19	Inspr Erie	Inspr Pu tts 2/21 Requ shipping instructions outboard couplings for KEARSAGE &KY	629
995	3/20 3/22	Erie Pitts	Requ shipg instrucn for outbd coupling UBS KEARSAGE&KENTUCKY	629

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N.S.E. Form 134.

KEARSAGE PROPELLIER AND SHAFTING

Number.	Date.	From or To—	Subject.	
995	4-11	Pitts	Shafting for Kearsage Ky. shipped 4-7	629
995	4-8	S&A	Certain tube sha ts KEARSAGE and KENTUCKY ready for shipment 4-4 Y	629

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KEARSARGE: PIPING.

1919

Number.	Date.	From or To—	Subject.	
405854	3/5 3/24	CO Atl Battleship Forcel	Request install zinc boxes on salt water lines - install valve on auxiliary steam line, etc - D	
			1921	
587577	9;23	Phila	Arrangement of piping for crane dynamo plant-fwds prints-D To Phla Plan assgd file 10/26	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

KEARSARGE: PIPING SYSTEMS:

FILE No.		From or To— (Dated)		Subject.
33659	3/11	C&R	10386-E.912	Drainage; fwds revised plan; invites attention to piping under S.E. D Ret -- Plan satisfactory 3/15.
52378	10/27	Phila		Steam and exhaust piping for aux. machinery; reqt. prints. D To---Prints fwd.11/3.
				1912
				1913
91796	2-20 3-3	CO Phila	581-213-6	Repair exhaust piping to anchor engines. Y
98599	5-29	Phila	581-230-6	& KENTUCKY: estimate to connect up steam piping. Y To---appd.6/4.
				1916
204238	10-30	CO		Reqt new steam coil. Y To Bost--Auth work. 11/3
405854	1919 3-29	To CO	1919	1919 Alterations under S.E.Cog. concurs in endorsement in disappving. Db. copy to Bat Div. "A" and Bat Force 1

KEARSARGE: COAL: ETC.

Number.	Date.	From or To—	Subject.	
5 54424	11/23	Phila. 581-106	Asks if steam to coal bunkers for fire extinguishers to be installed.Y To--Will be omitted.11/27.	
			1912	
			1913	
			1 9 1 7	
264417	12-3	To Norf	Coal delivered to KEASARGE. Reqt identify delivery, if possible. F	623

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

KEARSARGE: WORK SHOP TOOLS:ETC:

Number.	Date.	From or To—	Subject.
523946	10;18	C&R	Fwds specns for 250 ton revolving vtane.D
533776	12;3	Ins pr GE	Request copy of order covering 250 ton revolving crane from Wellman Seiver Morgan Co.D Fwd C&R cc Inspr GE- Pitts 12-22 To C&R. Gives instrns 12-23 C&R-12;31-S To Inspr Pitts 1/6/21
537973	12;31	C&R	Copy of letter to Inspr GE and Pitts stating inspection of crane for will be made byNaval Inspr of Crane Construction.D&R
582462	8;25	C&R	Crane collector reqt fwd plans.D
OVER	To C&R Gives reply 11/9		To C&R Gives comments 9/10
	C&R-copy of action to Phila-11;10-L		C&R-copy of action to Inspr Wellman-9;27-L
	C&R-Wellman Siever Morgan Co reqt reconsideration of one inch mesh-11;10		C&R-reqt recommendations as to combining crane lighting and heating power supply-10;10-L
	Fwd C&R 11/21		C&R-reqt action-11;2-Y
	C&R- Copy action to Inspr Wellaman Seaver & Morgan 12/3 L		Fwd C&R 11/3 RB-11;12-L
588367	10/6	To Phila JOINT	250 5on crane for erection on ship- Gives inform rel Rz Phila-10;18-D C&R 10/26 D. Fwd C&R cc Phila 11/3 To Phila- Reqst location of generator 11/4 Phila- Subm estimates. 11/30 L To Phila Estimate approved 12/14

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N.S.E. Form 134.

KEARSARGE WORK SHOP TOOLS ETC 1921 1920

Number.	Date.	From or To—	Subject.	
582462	FROM OVER		C&R-Copy action toInspr Wellman Seaver and Morgan Co. 12/12 L	

KEARSARGE: WORK SHOP TOOLS ETC.

1912

Number.	Date.	From or To—	Subject.	
60759	2-6	Phila 581-470-289	States tools on board differ from those called for on allowance. R To---Directs correct allowance. 2/16.	
61826	2/24	To Phila.	Fire tools: proposed changes in handles approved.	718-2
			1913	
100519	6-25	Phila 581-457-6	Engine lathe; re manner of invoicing to ship; will require additional allotment if expended from books of GSK. R Fwd S&A.7/10.	
			1914	
126652	6/1 6/5	CO Ord.	Requests necessary work to install optical repair shop, material for which was transferred from PANTHER via MASS.Y Fwd Dept via C&R.rec appr.6/9. To Phila.work appd.6/20. Ret Ord.6/20.	
132043	8-11	Phila	Reqt instructions re installing optical lathe; originally purchased for PANTHER.Y To---Instructions.8/18. Phila lathe operates at 120 volts; ships voltage 80; reqt instructions 9-27 To Cin Elec Tool Co-- Req information. 10/3 To MMM Co-- Req information. 10/3	
	Cin Tool Co. shipt made 9-19; motor wound 120 volts 10-5 MM&M 10-23 Fwd S&A--10/26 To Phila-- Instructions. 10/26 Fwd S&A-- 12/18			
132449	8/17	To S&A	Phila.recn.595; tool makers lathe for PANTHER, will be used on KEARSARGE.R ~~PANTHER-not required~~	

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N.S.E. Form 134.

KEARSARGE: WORK SHOP TOOLS. 257-18

Number.	Date.	From or To—	Subject.
139936	11-18	Phila	Already fitted with wet and dry grinder in optical shop; will cancel order for installing grinder ordered for PANTHER. Y TO PANTHER asks if can use 11-20 PANTHER not required To-- Retain in store. 12/10
		1915	
165616	9-11	CO	Reports transferring to ILLINOIS all optical repair equipment.Y
		1916	
186906	5-3	CO	Request permission to turn in lathe tool.Y To Via Bost-- Auth to store. 5/6
		1920	
493471	5;13	Dept	Fwds copy of advertisement calling for proposals for elec operated jib crane to be installed on KEARSARGE OR KENTUCKY.D 18
506932	7;14	Dept	Proposals covering elec operated jib crane in installation on board KEARSARGE or KENTUCKY will be opened July 15th.D
507252 Phila-1;7	7-24	To E Phila	Reqst list of tools in mac shop with stateme t as to their condition be fwd D. Phila-report on tool installation-8;3-D To EO Phila gives inform 2-1/21
523367	10;15	SOL	Fwds copy of contract 3038 with Wallman,Sever Morgan Co for building revolving crane for.DK&S

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[OVER.]

KEARSARGE: PUMPS.

1912

Number.	Date.	From or To—	Subject.
80215	9-20 10-10	CO Phila 581-221	Repair fire and bilge pump.Y
85402	12-9 12-16	CO Phila 581-239	Bilge valve; yoke for.Y
			1913
		1920	
532307	11;30	Phila All corres under this number changed over to 257-8.	~~Modification of boiler compartments and location of pumps-fwds prints showing.D~~ To Phila Plan appvd and assgd file No 1/11/21 To EO Phila Fwds cc cont- Vandyke 2/3/21 RB "2-11 To Phila/ ~~Reqst inform re pump 2/12/21~~ Phila fwds drawings showing proposed location of dynamo and dynamo condenser room-2;15-D&L

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

KEARSARGE: VALVES: GENERAL.

Number.	Date.	From or To—		Subject.	
41879	6/21	Phila	Reqt	Reqt blueprints of suction and overboard discharge valves. D To -- Fwd NN. Inspr NN directed to furnish prints direct.6/24. RB 6-28	
46859	8/18	Phila	2034-91	Reqt. detail plans. D Fwd Mosher. Directs plans be fwd Phila.8/22. RB 8-28 To Phila. Mosher will fwd. 9/2	
52497	11/1	To Phila		KEARSARGE: -1-1/2" angle stop valve, Mosher order No. 2515, Reqts inspn	257--10
				1912	
58571	1/12	Phila	1690-8-2	Reqt. prints of boiler stop and safety valve easing gear. D To---Vandyke fwd.1/18.	
60418	2/5	Phila	1695-13	Reqt. vandykes of safety valve easing gear. D To--- Vandykes fwd.2/6.	
78523	8-26 9-17	CO Phila	581-150-6	Valve gags for safety valves. Y TO -- appvd.10-28	
				1913	
97834	3-21 5-19	CO Phila	581-151-6	Alter bottom blow valves and replace with Nolan type. Y Fwd Dept.rec disappr.5/24. RB 5-28 To Phila.disappd.5/28.	

N.S.E. Form 134.

KEARSARGE: VALVES: GENERAL. 257 - 20 1913

Number.	Date.	From or To—	Subject.	
367955	3/3	Roe & Davis. Old No.	Fwds prints covering new baffles for evaporators.	

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[OVER.]

KEARSARGE: ALLOWANCES:

Number.	Date.	From or To—	Subject.	
55o967	3;11	Phila	Ask if will prepare allowance list for.Y	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

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...ANCES.336412

Number.	Date.	From or To—	Subject.	
336412	8/8	CO	Request increase in money allotment of $15 00. - R Fwd S&A 8-14	
351498	9-18 9-20	CO Boston	Request authority to turn in evaporater heads, distiller tubes, etc listed - RA To CO, Gives list of spares to be returned to store	9-26
373090	11;26	CO	Req increase in money allotment R Fwd S&A, 12-4	
378231	1/8	To CO	fwds allow book CO - fwds elec allowance - RA 2/4 To CO- Elec list appvd with modifications. 2-17 To Boston- eqts reply to 2-25hh. 6-28 RB 7/3	
To CO- Fwds two copies appvd lists elec for revision of. 2-26 To Boston- ditto. 2-26				
392067	2/5	CO	Request increase in money allotment covering issues - RA Fwd S&A. 2-11	
393341	2-11	To CO	Fwds appved allow list as amended. Ra To Supply Officer KEARSAGE-Fwds appvd copy allow list. 2-15 RB 2.24 To Boston- fwds two copies appvd lists. 2-15 RB 3;20;19	

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N.S.E. Form 134.

KEARSARGE : ALLOWANCES.

Number.	Date.	From or To—	Subject.	
409116	4-9	Fwd S&A	Bur recommends addtl money allotment under title "C" of $1,000. for 4th quarter 1 9 1 9 - Y	
411838	4;15	CO	Req. copy of radio allowance list R	
3 425058	7;16	CO	Request increase in money allotment of $1000.Y Fwd CO. 7-26	
438587	8;8	CO	Requestincrease in quarterly allotment of one-thousand dollars.Y Fwd S&A. 8-11	
458519	11/17	A. G. Hearne (?)	KENTUCKY - Copy of letter to Phila fwding allowance books for - Y.	257-8
508401	7;23 7;28	Phila Dept	Dept Request authority to place charges forcare and preservation to special allotment under appropriation increase in navy, construction and machy.Y Fwd C&R. 8-4 Dept-copy of action to Phila-8;17-Y	
6 517458	9;10	Phila	Ask if old allowance to stand after vessel changed to cram ship.Y To SO Phila Gives in crm 9-13	

1915

KEARSAGE: ALLOWANCE.

Number.	Date.	From or To—	Subject.	
162558	7/29	CO	Fwds new elec allowance.R To - changes recommended - lights etc.	8-23
			1916	
186269	4-27	COP	Request permission to transfer tools from title B to A. R To Via S&A— Appvs transfer. 5/2 RB 5/4 Fwd S&A— 5/5	
186286	4-27	CO	Request authority to turn in ask buckets on allowance.R. To— Appvs. 5/1	
191081	6/16	CO	Reqt print of wiring diagram, invoiced under title B with boat engine, be transferred to title X.R To Via S&A—Should not be carried under any title. 6/23 RB 6/27 Fwd S&A— 6/29 RB 7/5 To—Should be under title B. 7/8	
			1917	
210192	1/6	To CO	Gives amendment to allow books. R	
213483	2-2	CO	Request list.E To—Fwds allow book. 2/6	
215491	2-19	CO	Request certain technical books to replace old editions on board.R Fwd Navgn 2/23	

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KEARSAGE: 257 -- 21 : ALLOWANCES

Number.	Date.	From or To—	Subject.	
260962	11-17	To CO	Preparation of Allowance. Directs preapre based on that of KENTUCKY. R	
to		To- Return list appved subject corrections in red. 1-4	To- Reqts reply to letter of Nov. 16th. CO fwds books 12-26	12-15
265793	12-8	To KEARSARGE ILLIN. and KENTUCKY	Recommendation in regard to spare tubes Reqt rec re changes in allow necessary to carry. R	603
268803	12-19	C O	& KENTUCKY & ILLINOIS, recommendations relative to spare parts for blowers.	238-21
275160	1/17	CO	Reports receipt of 12 inch signalling searchlight-illuminator set has been turned in. Y To- uth turn into store. 1-26 CO 1-28	
278333	1-10	NY	Requests all material be diverted to Boston Yard R.	
278833	1-31	CO	Requests new allowance book. R. To- Fwds 2 copies allow book. 2-6 CO-9-18 fwds allowance books - K	
306822	5/13	CO	Request increase of $1000 in SE title C allotment - R Fwd S&A- 5-16	
316041	6-14	To C O	Re change in S E Elec Allow--Fans. LR	
320466	7-1	To C O	Amending S E Allow changes	

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KEARSARGE: ALLOWANCE: 1912

Number.	Date.	From or To—		Subject.	
60988	2-9	Phila	581-474-5	Reqt. motor generator for wireless be placed. R To---via S&A. Amended. 2/13. To---via S&A. Omissions. 2/13. BLEB 3-20	
60990	2-9	Phila	581-474-6	Reqt. glasses and lubricators for generators be eliminated. R	
60759	2/16	To Phila		Directs correct list regarding power tools.	257-18
61943	2-17	Phila	581-474-6	Reqt. information re condenser, evaporator, and distiller tubes, gages, etc. on. R Ret---amended. 2/27. To---via S&A. Amendments. 3/4. BLB 3-19	
62207	2-27	Phila		Reqt. authority to add non-reversible drill. R To---via S&A. directs amendment. 2/29.	
63048	3-4	Phila	581-471-5	Recommends correction of armatures for motors for driving tools ; also spare parts for same. R Ret---via C&R and S&A. Amendments. 3/8. To---via S&A. Directs amendments. 3/15. RB 4-4	
65552	4-4	Phila	581-474-6	Recommends omitting soot hose. R To---via S&A. appd. 4/6.	
66194	4-11	Phila		Chests for turpentine and kerosene: asks if will be supplied; understands under O&R. R To---via S&A. Instructions. 4/17.	

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KEARSARGE: ALLOWANCE: 257-21

Number.	Date.	From or To—	Subject.	
70098	5-4 5-25	Phila S&A 106581	Fwds list of shortages in outfit.R Ret S&A.6/1.	
76510	8/23	Dept	Directs steps be taken to assure prompt payment and release all items and stores in Equipment intended for vessels recently commissioned. applies especially to	604
79895	9-27 10-2	CO Dept	Reqt. full money allotment for quarter Oct. 1st, to Dec. 31st. R. Fwd Ord.Rec full allotment be allowed.	10/12.
			1913	
87850	1-13 1-16	CO S&A	Reqt. addition of wire, push buttons, elec items. R. Fwd Phila via S&A.Additions.1/21. RB 2-4	
97585	5-16	CO	Recommends number of magazine lights be reduced.R To Phila.change.6/2. RB 6-13	
			1914	
118394	2/18	CO	Fwds allowance.R To---revised and approved.3/19.	
			1915	
159259	6-30	To CO.	Electrical lists; submit recommendations for revision. R	
162581 VOID	8/4	CO	Reqt portable blower be added to allowance list.R	

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KEARSARGE: ALLOWANCES:

FILE No.		From or To— (Dated)		Subject.	
31246	2/8	Phila	GSK	Rect return of.R Ret -- Returned; reqst be revised 2/15.	
31468	2/10	Phila.		Allowance list. R. To -- Appendix returned apprd 2/21.	
32994	3/3	Phila	GSK 113581	Fwds allowance list.R.	
43785	7/15	Phila	GSK	Recommends change in allowance covering search-lights. R To S&A,Phila, C.O. Changed made.7/25.	
55552	12/8	Phila.		List; states unless received at early date will delay assembling of outfit.R Ret-Directs submit revised, for approval.12/9.	
56290	12/14	Phila.		Fwds copy of revised allowance lists for approval.R Ret via S&A-Appd.12/18.	
56623	1/13	Phila	581-474-5	Covering elec. spares; fwds. R To---Returned corrected; directs copies be corrected.1/20. RB 2-21	
59952	1/29	Phila		Books and blanks; reqt. Bu. supply. R Ret---Directs purchase.2/1.	

1912

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KEARSARGE: WHISTLES:

1912

Number.	Date.	From or To—		Subject.	
✓84365	12-3	Phila	587-287	Shrill whistle; overhaul. Y	
				1913	

NB—0120

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1912

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

KEARSARGE: GAGES.

Number.	Date.	From or To—	Subject.
75953	7/31 8/14	CO Phila 581-150-6	Requests boilergage glass gratings be shifted in order that glasses may be more readily removed.D Fwd Dept.reqst appr.8/19. RB 8-22 To Phila. approved 8/22
			1913
			1917
Reqn 231	1/2	To CO via Bost	Reqn for low pressure gauges held pending receipt of infor as to what intended for. R
336805	8-8	CO	Request install thermometer in cold storage plant - Y To Boston, installation approved, 8-16

N.S.E. Form 134.

1912

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

KEARSARGE: RECORD OF WORK 1918 2

Number.	Date.	From or To—	Subject.	
321044	5-20	Norf	July 13,1917 to Jan 1, 1918. Y	
363141	10/24	Bost	8/20 to 10/16 - Y	
409116	4;5	CO	Req. increase in money allotment Y	
450367	10-1	CO PROMETHEUS	Quarter ending 6/30. Y	
497963	6;4	Boston	Summary of work August 20,1918 to Oct.16,1918.	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

KEARSARGE: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.	
101376	6-30	Phila	Oct. 16/12 to June 28. Y	
106734	9-29	Phila	Oct 16-12 to Sept. 30-13. Y	
		1914		
115221	1-15	Phila	Quarter end Dec 31.Y	
122896	4-18	Phila	Quarter ending March 31.Y	
129786	7-11	Phila	Quarter ending June 30. Y	
		1915		
144553	1-14	Phila	End Dec 31	
152300	4-12	Phila	End Mch 31	
167012	9/29	Phila	Mar.31 to July 1. Y	
172589	11-30	Bost	Period Nov 30	
		1916		
175542	1-6	Phila	Sept 2 to Spt 17	
175525	1-5	Phila	Sept 2 to Sept 17	

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KEARSARGE: RECORD OF WORK. 257 - 25

Number.	Date.	From or To—	Subject.	
241007	7/26	Norf	May 26th to July 13th Y	
~~259005~~	~~11/5~~	~~Bost~~	~~April 8/16 to July 15/16 - Y~~	
			1918	
277206	1-25	Boston	Jan. 8 to Jan. 23	
278890	1-31	Boston.	Jan. 8 to Jan. 23.	
281717	2-12	Norfolk.	July 13 to Jan. 1. Y.	
297888	4/12	Bost	1/8 to 1/23 - Y	
308376	5/8	Bost	4/16 to 5/8 - Y	
313550	6-3	Boston	April 16th to May 8th. To Boston, rqstg report of engine and boiler 6-7 Boston 6-26	

NB—0120

[OVER.]

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KEARSARGE: SURVEYS. -1920-

Number.	Date.	From or To—		Subject.	
493599	10/3/19	CO	21	Engine parts and coal bucket - Y	
493598	10/29/19	CO	20	Various material - Y	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
654252	12/22	To Phila	Type C A M 321-Buzzer Instruction Sets- reqsts ~~Inform as to number in store~~ W Phila 1/5 W	
654395	12/23	To NYds- ~~Boston NY Phila-~~ Washn and "orf	Radio mat neccy for issue to vessels prior to departure for winter maneuvers W RB1/9/23W Norf 12/27 T Rqsts inform regarding issue of radio material to ships. W Boston 12/27 T 100 tubes due from Wash, W NY 12/27 T Lists radio apparatus required for destroyer W Phila 12/27 T Will deliver material as soon as possible W Hamp Rds 12/28 T. All radio matl necessary in store of ordered W	
OVER				
654399	12/23	To CO's listed- C-I-S Battle Fleet and comdr scouting fleet	Battleships- instln of radio apparatus W	
655021	12/26	Wash.	Model TM 100 Watt set. Fwds drawings and report on W	

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Number.	Date.	From or To—	Subject.	
655185	12/22	C.T.Rothrock	Asks if can obtain radio apparatus from stations placed out of commission at Great Lakes W To C T Rothrock - Gives Inform 12/30	
654396	12/27	To Washn	Reqsts instruction booklets on listed types of radio apparatus be fwded to Bu. W RB 1/8/23 W	
654395	FROM OVER		Atl Train 12/30 T. Request Washington be directed to fwd six batteries W To Des Squad 9 (T) unable supply units 12/28 To Boston (T) status of batteries 12/28 To NY (T) amplifiers not available 12/28 To Phila (T) gives inform rel obtaining of batteries and gaskets 12/29 To S&A Reqst shipment of batteries from Washn to CO 1817 1/2/23 Boston 1/3 Gives name plate data. W To S&A Reqst shipment of mat from Norf to CO 1984 1/22/23	

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[OVER.]

FILE No.		From or To— (Dated)	Subject.	
654077	12/18	Wash	Fwds various vandykes W	
653751	12/19	To General Elec Co	Representative to be sent to Atlantic Fleet during coming winter maneuvers- reqsts inform rel W To Navign via Operns- Gives Instrns rel passage to vessel 12/21 GE Co 12/27 Asks if satis for Mr. Pr est to spend two or three weeks on UTAH W Fwds C-I-C 12/29 To GE Co- Gives comments 12/30 To Navign anc C-I-N U S Fleet- CO UTAH- Gives action taken 12/30 To Navign -, gives inform rel expense cc U S Fleet- CO 's UTAH MARYLAND 1/3/23	
653632	12/20	To Dubilier Cond and Radio Corpn	reqsts plans on all condensers used by navy W	

APPARATUS RADIO 1922

654462	12/17	S Hahn	Rqsts fwd circulars on radio. Fwds check for $1.00 L To S Hahn- gives inform rel publications 1/6/23
654565	12/21	Phila	Rqsts copy of preliminary instructions for instln of type SE 1822 Uniwave key W
654555	12/21	C.D.Tuska Co	Fwds catalog on Radio apparatus W. To C D Tuska Co - Reqsts inform rel mat. 12/28
654134	12/22	To State, War and Navy Bldgs G15-2b	Recg set and loud speaker installed in Army Temporary bldg #1- damage to- reqsts inform W. RB 1/3/23 W. Fwds Washn 1/6/23 RB 1/11/23 W
654135	12/22	To Bu Standards	Article entitled "A" new non-interfering Detector" - W S

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APPARATUS RADIO 1922 337

Number.	Date.	From or To—	Subject.	
638682	FWD FROM CARD 326		Exp Station 12/11 Rqsts action W To O-1-C Annapolis- 12/16	

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Number.	Date.	From or To—	Subject.	
653290	12/8	C Bracht	Rgsts fwd books on Radio W To C Bracht- Fwds Inform 12/20	
653407	12/7	M.I.	Fwds prints rel to Steel Versus Bronze clearing line for submarine antenna supports W	
653463	12/13	NY	Vandyke of drawing No. RW 50A 409A be fwd. W	
653479	12/11	W.T.Bess	Asks date of expiration ~~of date~~ of time of receiving bids on radio apparatus W To W T Bess- Gives Inform 12/23 Fwds S&A 12/23	

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[OVER.]

Number.	Date.	From or To—	Subject.
651877	11/29	A.J.Denenea	Ask if bureau has any radio apparatus for sale W To A J Denenea- cannot supply tubes 12/7
651763	12/2	To CO Anacostia	Assignment of designation letter in Coordination system or numbering radio Coplans W
652260	12/4	Washington	Fwds instructions for shore station receiving equipment W
652486	12/6	Ports	Rqsts wiring diagram of coil antenna transfer switch and antenna capacity switch be submitted W To Ports Fwds switch 12/16

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Number.	Date.	From or To—	Subject.	
652511	12/1 12/5	Navy Supply Depot S&A	Rqsts prints showing type number, drawing number and description of radio matl W To O-I-C Brook- will distribute copies of Bulletin W 12/15	
652697	12/7	Bu Standards	Conference will be held Jan. 5 covering radio standardization. Fwds agenda of W	

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[OVER.]

Number.	Date.	From or To—	Subject.
633703	FWD FROM CARD 321		Fischer Machine Co 11/20 - Information will be furnished W To F B Perry Co- Gives inform 11/25 To Fischer Machine Co- Gives action taken rel test 11/25 To John Firth Co- Gives action taken 11/25 Fischer Radio Co- 11/28 design information was furnished by C. Speaker. W Fwds Washington 12/6 RB 12/20/22 W To W F Fischer Co- Reqst Inform 12/26 Will report at Yard Dec. 29 W JAG 1/10 Fwds report on investigation and activities of Jas. Speaker and L. C. Butts. X 635-3 Fwds J A G 1/23/23
650484	11/21	Washn	Fwds photographs showing external views of Arlington towers W X

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Number.	Date.	From or To—	Subject.
649944	11/21	To Hon sec of commerce (Actg sec. Sig)	Reqsts dept be furnished with an advance dc of the matter to be published on "Directive Radio transmission W Dept Commerce 12/4 W
651440	11/24	Radio World	Rqts Department sentiment regarding 1922 Xmas and its relation to Radio CW
651506	no date	JH. Borin	Rqsts data on oilless telegram W
	CANCELLED- see 620 249- 876		
651821	11/27	Pensacola	Letter request #54- request instructions for aircraft radio equipment be furnished. W. To Pensacola- I- gives action taken rel purchasing books 12/9 To Pensacola- unable to furnish books 1/3/23

APPARATUS: RADIO

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Number.	Date.	From or To—	Subject.
648901	11/11	To NY	Reqsts be furnished with copies of instruction book W NY 11/15 Fwds instructions books W
649411	11/9	M.I.	Report covering radio apparatus removed from GEORGIA RHODE ISLAND and NEBRASKA W
649458	11/3 11/13	E Talley Dept Commerce	Ask if Bureau has radio apparatus for sale W To S&A- Fwds corres. 11/20 To Edward Talley- Gives action taken 11/18
649716	11/13	Metal Thermit Corpn.	Reqsts conference with Dr. Hayes W To Prof W H Hahneman- gives action 11/18
649814	11/14	Atl Battleship Force	In conn with precautions of theft of radio material W

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Number.	Date.	From or To—	Subject.
649106	11/15	To Fleets 45-B-6	COLORADO and WEST VIRGINIA- Fwds Plans W
649107	11/15	To NY	Reqsts tracing forms be furnished W N.Y.- Transmitter shipt to Washington 11/17.W 11/27. W.
649418	11/17	To Atl-Pac.-Asiatic Fleets	Radio publications for various vessels- fwds list of W Atl Fleet Circular- 11/22 W CO CHILDS 12/5 Rqsts radio publication list be furnished W CO SHARKEY 12/9 Rqsts radio publications listed W CO REID 12/14 Request radio publications listed be furnished W To CO- Fwds instrn books 12/22 To CO- Fwds cc pamphlets 1/13/23
		To CO- Fwds plans 1/17/23 To S&A Reqst shipment of books from Washn to CO 1954 1/18/23 To S&A Reqst shipment of equipt from Washn to CO 1953 1/18	
649971	11/18	To H G Spair	Gives list of radio stations call letter power of transmitter, authd working wave etc. W

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Number.	Date.	From or To—	Subject.
648803	11/6	F.J.Lamb	Rqsts opportunity to submit bids on Navy requirements W To Washn authd to submit sample of mat. 11/21 To P H Brattain- Reqsts sample of mat be submitted for test cc Washn 11/21
648890	11/5	A Tarpey	Rqsts information rel to construction of radio set W To Andrew Tarpey- Gives inform W 11/11
648904	11/6	J.D. Mocquot	Rqsts regulations covering establishment of ammeter radio set W To J D Mocquot- Gives inform 11/11
648621	11/9	To CO Anacostia	Transmitting literature on radio subjects- Fwds pamphlets W

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Number.	Date.	From or To—	Subject.
648622	11/9	To Washington	Transmitting literature on radio subjects- Fwds pamphlet W
649174	11/9	Washington	Fwds report on test to determine a satisfactory arrangement and location of equipment to increase efficiency at Navy Dept. W
648372	11/10	To S&A	Request to purchase Radio equipment Fwds corrs. W
648623	11/10	To Bu Standards	Transmitting literature on Radio- Fwds pamphlet W
649237	5/22	No Source	Submits list of confidential publications issued by or for Bureau Engineering W

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Number.	Date.	From or To—	Subject.
648372	11/2	A Harris	Request price list on Government radio Supplies. W. To Allen Harris- Gives Action taken 11/8
647 116	11/3	To Hon sec of Agr/ Actg. sec Sig	Does not desire to take part in any stock selling or promotion scheme - makes no comment gives inform W
648468	10/27	Pacf. Destry	Copy of letter to San Diego giving general policies rel to care and preservations of radio apparatus on decommissioned destroyers. W.
648086	11/7	To Comdts MI 9 Dist- Pug Snd	Quarterly reports of mat. conditions, progress of work, personnel and expenditures involved etc.- Reqsts report be submitted W 9th District 11/11 W P.S. 11/23 W

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Number.	Date.	From or To—	Subject.
648666	11/6	Bureau Standard Lab	Fwds report of meeting international scientific telegraphy held at Brussels July 24. W
633336	FROM CARD	321	Frisco 11/8 T. W Frisco 11/9 T W 14th Disc/ict 11/3 Submits sataus of radio project on light mine layers W Phila 11/20 Radio room installation of BC motor buzzer. Fwds prints W To P H- gives status of mat.- cc CO's BURNS) LUDLOW W 12/12 Cavite-(T)-Ask when plans and specificatipns abd apprs will be delivered;gives completion percentage. 1/30/23. W.

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Number.	Date.	From or To—	Subject.
646675	10/28	To Washington	Radio Research problems cancellation of work on- Gives list of problems to be stricken from list W
646676	10/28	To CO Anacostia	Radio and sound research problems- cancellation of work on- Re sts listed problems be stricken from list W
646677	10/28	To Bu Standards	Gives list of sound research problems to be stricken from list W
646905	10/28	To C-I-C Atl-Pac. Asia. Fleets	Type CAM 321 buzzer instruction sets- stock of- Fwds Inform W Atl. Fleet Circ. 11/1 W CO PROTEUS 11/8 W CO FLORIDA 11/8W CO BRECK 11/9 W To S&A Reqst shipment of buzzer from Washn to CO 1491 11/15 RB 12/8 W To S&A Reqst shipment of buzzer from Washn To CO 1500 11/17 To CO- Gives action 11/21 To CO-- Disappvd 11/24

Number.	Date.	From or To—	Subject.	
647883	10/27	K Banning	Fwds galley proof of article by Cmdr. Hooper.	W
647358	11/2	To Pug Snd	Reqsts vandyke be fwded W PS 11/14 Fwds drawings W To Pug Snd- - - gives inform 12/8	
648199	11/3	Washington 1047	Fwds prints and report of test to determine satisf arrangement and location of equipt to increase efficiency of reception at Navy Dept.	W
648241	11/2	Washington	Fwds prints of anode bushing and cathode	W

Number.	Date.	From or To—	Subject.
643578	10/19	To O-I-C Radiomen-in-charge and personnel of all shore radio stations	accidents to personnel of shore radio stations due to electric shocks- WARNING- quotes -- Fatal accident at Guam W Norf- Subm estimates- 10/31.W Mare Isl. 10/30 W. Eureka Station- Request danger signs be furn 10/28 W Fwd Mare Isl - Rqsts 6 danger signes be made for Eureka Sta. - rqst advise action taken 11/14 W. M.I. 11/27 Can furnish signs requested F ds maintenance allotment. W To Norf- Reqsts estimates 12/13 W Norf 12/22 Rqsts allot of $225 theccy for transformers at Norf Sta W X Norf. NY 1/5/23 Rqsts action W To Norf Allotment made cc Yds & Docks 1/10
645510	10/20	To Ports	Reqsts be furnished with vandyke of listed drawings W Ports- Fwds various prints. 11/2 W. To Ports- Submarines S9 to 13- radio telegraph instln on- comments. Fwds plans 11/14
646285	10/23	To S&A 1362	Reqst shipment of buzzers from NY to SO Boston W
647114	9/13	R.W.Bazle	Ask if bureau has motor generator and transformers for sale W To S&A- Submits Recomdn 10/28 To R W Boyle- Gives instrns 10/28 R.W.Boyle 11/8 Rqsts assistance in securing machine W

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Number.	Date.	From or To—	Subject.	
646203	10/26	To Washington	Design problems cancellation ofdesired	
646283	10/26	To 9 Dist	~~Numbering of monthly radio reports-~~ gives instrns W	
646904	10/27	To Washn	Radio research problem 135 wave change indicator- Gives action W- Washn 11/9 W	

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[OVER.]

Number.	Date.	From or To—	Subject.
617603	from card 306		Fwds Washington Claims by T F Vellten for certain suggestions W 10/6 RB10/14 W
644556	10/3	Albert Harvey	Ask price of certain radio material. W To A Harvey- Gives inform 1 /10n To Bd S&A Fwds cc of letter from A Harvey 10/11 6

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Number.	Date.	From or To—	Subject.
644199	11/9	To S&A	Request to purchase radio app. Fwds cc of letter recd from L S Ayers 9/29 W To L S Ayers and Co gives Inform 1/9
644404	10/12	To The C.D.Tuska Co.	Suggests sample of equipmt to be placed on approved list W To C D Tuska Co- Gives inform 10/28
645864	10/16	Railway Commercial Tele. Institute	Asks price on second hand quenched spark transmitter. W. To S&A- fwds letter from Railway and Comm. Tel. Co 10/21 To Railway Comm Tele. Institute- gives action taken 10/21
646127	10/16	St. Paul. CANCELLED- Sent to Comdr. Taylor, Anacostia.	Request report on Bureau's experience with Valley Radio Co. W

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[OVER.]

Number.	Date.	From or To—	Subject.
633380	from card 320		To S&A Reqst shipment of transmitter from Washn to Turkish Waters 1157 9/28 To Turkish Waters Gives Action 10/4 To Turkish Waters- fwds copies instrns for instln 10/21
643621	9/30	Western Elec Co	Fwds jack & plug for use with radio apparatus DW To Washn- Gives action taken 10/6 Washington- Subm report 10/17 W To Western Elec Co- Submits recomdn 11/7
643702	9/23	Hon. E. D. Ricketts	Request data on subject of electrical Engineering for L. Hooper. W.

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Number.	Date.	From or To—	Subject.
643702	10/2	To Hon Edwin Ricketts	Fwds cc letter written to constituent, Mr Hooper forwarding publications available for free distribution by bureau To Lash Hooper- Fwds publications available for free distribution by Bu 10/2
644079	10/4	Jno. Firth & Co.	Can deliver Seibt capacity bridges, at once. W. To J Firth- Gives action taken 12/22 J.Firth 12/23 W
644199	9/29 10/5	L. S. Ayres & Co. Dept of Commerce	Ask if can purchase broad casting outfit from Navy. W.
644404	10/5	C. D. Tusca	Fwds catalog covering radio apparatus which Co. manufactures. W. Tuska Co.- Asks if they are ships' samples for approval. 10/18 W

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[OVER.]

Number.	Date.	From or To—	Subject.	
633336	from card	327- 322	To Phila (T) Buzzers not to be installed W 11/23 To Phila- Estimate appvd 11/24 To Phila- Gives inform cc Atl Fleet 11/29 To NY- Fwds prints 12/4 To S&A Reqst shipment of Insulators from Brook to SO P H 1670 12/7 Ports 12/22 Fwds monthly radio report W To P H- Fwds drawings 12/30 To Phila- Reqsts results of operation be furnished 1/8/23 To Cavite (T) Gives instrns 2/1/23	

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Number.	Date.	From or To—	Subject.	
654983	12/26	Inglewood Stn.	Fwds monthly radio and sound report W	
654627	12/23	Norf	Fwds special report on new method on simultaneously increasing output of arc transmitters and eliminating short wave harmonics and mush by use of a current transmitting filter circuit W	824

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[OVER.]

Number.	Date.	From or To—	Subject.
641628	9/19	To John Firth & Co	Ask price of Electrostatic Voltmeters desires to obtain a number of same W Jno. Firth- 9/20 W.
642196	9/20	Experimental Publishing Co.	Ask if can purchase Submarine Chaser radio sets- W. To Bd Survey Appraisal And S Fwds cc Bu let 9/22 for inform 9/23 To Robert E Lacault- Navy has for sale numerous submarine chaser radio sets- gives inform rel W 9/23
633336 66 76	from card 322	-327-A	To Ports Estimate appvd W 9/20 To NY- Estimates appvd 9/21 To Pug Snd- estimates appvd with comment 9/21 To Phila Estimates appvd 9/21 To Norf Estimates appvd 9/21 To MI Estimates approved 9/21 To Boston Estimate appvd 9/21 To Boston- no plans or specens are available 9/27 To Phila- status of shipment 9/27 M.I. 9/25 W To S&A Reqst shipment of mat from Washn to SO Phila1135 9/26 RB 3/23/23 W ?? Subm estimates ?? W. Pug.Sd./ Subm estimates 10/9 W. To Pug Snd- estimates appvd 10/21 To P H- estimates appvd 10/21 Cavite (T) Reqst plans of apparatus and specens covering projects assigned this yard W 10/20 To S&A Reqst shipment of mat from SO Washn To Phila 1360 10/25 Pug.Sd. 10/24 W To Cavite- Fwds plans cc C-I-C Asiatic Fleet 10/31 To NO f- appvd 11/3 To Cavite (T) (T) Yes W 11/7 To Pug Snd- Fwds vandykes cc Pac Fleet 11/18

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Number.	Date.	From or To—	Subject.
642275	9//9	Ports	Request copies of schedules cov various radio apparatus which yard might be able to manufg. W.
642528	9/22	Washington	Fwds various radio prints listed. W.
642859	9/25	H. H. Eby Mfg.Co.	Calls attn to binding post which Co. manufactures. W To H H Eby- Ack receipt of let. 9/25 Thanks for invitation 9/28 H. H. Eby- Mfg.Co.;- Request Co's exhibit be examinied. 9/29 W
642860	9/25	Washington	Fwds photos showing hard and soft cathode carbons for high power arc- hard carbons not satisf. W.

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Number.	Date.	From or To—	Subject.
641073	8/25	Westinghouse E/M Co.	Letter of introduction for Dr. W. H. Eccles a British subject. W.
641152	9/12	Phila.	Fwds monthly radio and sound report. W.
640824	9/15	To Bu Standards	Assignment of Radio Research problem- W
638682	FROM CARD 324		Exp.Sta.Copy action to Boston.9/15 W Experiment Sta. 9/20 W. Phila.- Request specifications copy resistance box and amplifiers.9/21 W. 797 Expr Sta 9/21 Request ballast lamps be furnished W To Phila- gives action taken 9/25 To Exp Sta-Asks if remodeled 10/13 W Experiment Station-Report oscillators mailed Pupin last July, second oscillator made up- recommends Hilty take to Columbia University. 10/17 W. 797 Columbia Univ. Status of shipment 10/24 To Prof. M I Pupin- Gives action taken 11/15 Exp Sta 11/22 W S&A 11/25 W To S&A Reqst shipment of mat frm Phila to 4th dist. 1672 12/7
	FWD TO CARD 337		

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APPARATUS RADIO "a 1922

Number.	Date.	From or To—	Subject.	
633336	FROM CARD 322		Mare Isl - Subm estimate 9/6 W.	
6			14th Dist - 8/30 W.	
7			Phila - Request long wave receiver be furn.	9/21 W
			Turkish Forces 9/18 Fwds reports W	
			Pug Sd - Request information as to material etc. for project. 9/28 W	
			To Pug Snd - will expedite shipment of mat 10/7	
			Phila - 11/5 W	
			New York 11/21 Rqsts prints and instruction pamphlets. W	
			Forts 11/7 Fwds monthly sounding report W	
			Phila 12/9 Rqsts instructions covering motor buzzer transmitter installation on TEAL and SANDPIPERL	
641896	9/15	Wahsington	Request auth to mfg arc anode bushings Submits estimate W	

Number.	Date.	From or To—	Subject.
618321	8/30	Transcard 304 To CO USS IDAHO	Request for vacuum tubes on USS IDAHO W cc NEW MEXICO S&A
639643	8/31	To S&A #994	Rqsts shipmt of radio material from Hamp Rds to Norfolk. W
639926	9/2	To GE Co General Radio Co	Bu interested in new relay. W cc Anacostia. General Radio Co. 9/11 W.

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Number.	Date.	From or To—	Subject.
640145	8/31	Hon. I. C. Kline	Request literature on radio be sent to H? V. House. W. To Hon I.C. Kline gives action 9/9 To M V Hause- has no literature 9/9
639920	9/1	To S&A #1001	Rosts shipmt of radio matl from Washn to Anacostia. W RB 10/28 W
640056	9/7	To Comdt Washington	Fwds vandykes of radio telegraph W
640893	9/8	Washington	Fwds vandykes covering model TM-AC tube transmitter manufgd by K-C.Co. W.

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[OVER.]

APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
447110	FROM CARD 240		Forts- Monthly report. 8/16 W
638682	8/21	Exp.Sta.	Request radio apparatus listed be furn. W.
TO CARD 326		#979	To S&A Rqsts shipmt of Radio matl from Boston to Annapolis 8/29 W RB 10/31 W
		#978	To S&A Rqsts shipmt of Radio matl from Phila to Annapolis 8/29 W RB 12/6 W
		#980	To S&A Rqsts shipmt of Radio Matl from Washn to Annapolis 8/29 W
638683	8/21	Exp.Sta.	Request apparatus now at Washington Yard be loaned to Experiment Station for test. W. To S&A Reqst shipment of mat from Washn to Annapolis 1032 9/8 RB 9/23.W.
639155	8/24	N.Y.	Fwds copy of article from "Science and Invention" rel to publishing article on operating of Navy radio shore station. W. To Comdt NY- No objection 8/30 W cc Dir Nav Communications.

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Number.	Date.	From or To—	Subject.
639310	8/25	N.Y.	Fwds copy of letter from Army Base, Brooklyn for radio blueprints. W. To Sig Section S, Brook-Fwds copy of drawings. 8/31 W R B 9/8/22. W To Comdt NY- Fwds drawings 8/31 W Fwds Sig Sec Brooklyn 9/22
639342	8/25	Natl Radio Chamber of Commerce	Request description of drawings of vibration tables installed in radio labr Bureau of Standards, and Radio Test shop. W. To Comdt Washn- Rqsts bprint 9/2 W To Natl Radio Chamber of Commerce- Rel to use of plans 9/2 W cc Washn Natl. Radio Chamber of Commerce- 9/6 W.
639630	8/29 8/29	Hon. H. Sutherland Navigation	Request pamphlets on radio. W. To Hon Howard Sutherland- No publications available 8/30 W
639707	8/29	Washington	Fwds various radio vandykes. W.
639500	8/31	To Burke Elec Co	Bu in need of small alternator for modulation purposes. Rqsts furn specns W cc Wireless Impvt Co Insp Matl. Burke Elec.Co. Subm Estimates. 9/14 W To Burke Elec Co- one of motor generators had been loaned Bu by Signal Corps 9/16

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Number.	Date.	From or To—	Subject.
636878	8/8	Hutchison Radio Co.	Request opportunity to demonstrate new per-permanent radio detector. W To Hutchinson Radio Co- Representative will visit factory 8/15 W
636976	8/8	R. E. Miller	Request hand book on radiophone be furn. W.
		CANCELLED- see 620249-876	
636209	9/30	To Standard underground Cable Co	Reqsts comments on cables cc Standard underground cable Co W 48464 -629 Stand Underground Cable Co- Recomds preservative W
636210	8/12	To Comdts yards- Stations	information concerning Naval apparatus not to be imparted outside the Naval Svc W
636780	8/12	To O-I-C Hamp Rds	Operating instructions for Radio Apparatus Fwds W Fwds prints To Co Hamp Rds 8/16 Fwds W cc booklets 8/29
636784	8/12	To Inspr mat NY	Contracts for Radio material in Vicinity of new york Reqsts status of W

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Number.	Date.	From or To—	Subject.
636785	8/12	To Inspr mat Boston	Contracts for radio material in Vicinity of Boston- Request status W To Inspr Boston- Details being taken up with mfgrs. 9/2 W
637349	8/10	Chasn.	Ask original cost prices and estimates cost of radio apparatus listed. W. Fwds S&A cc Chasn 8/17
637631	8/14	Washington	Fwds letter from American Radio Journal requesting lists of Co's called upon to furnish bids for radio apparatus used by Navy. W. Fwds S&A cc Washn 8/26
638059	8/12	D. Moir	Request aid to locate operators who operate a listening device which gives much suffering and torment to his family. W To Duncan Moir- gives inform 8/21 To Med & Surgy Fwds corres- 8/22
637952	8/16	To Hon Elliott W Sproul	Rel Data on "range finder" Gives leading manufacturers of radio apparatus- W

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.	
634878	7/26	Phila.	Fwds description of radio instln for various destroyers. W.	
634890	7/25	Hammond Labr.	Ask if can obtain radio frequency iron. W. Hammond Labr. Request action 8/3 W	
634754	7/25	Norfolk	List radio apparatus available for shipment to Wash. Recommends be disposed of W wds S&A 8/3	
633336 RR 76	7/26	To Comdts yards- C-I-C Force Commanders- Comdrs Destroyers- C&R card 327	Radio telegraph-Radio and Sound Projects on Naval vessels- fiscal year 1923 assignment of numbers W cross 797-604-23	
TO CARD 326			Norfolk 8/18 Submits estimates covg radio & sound projects fiscal year 1923 W	
			Boston 8/18- Subm estimates. W.	
			Phila- Subm estimates in detail. 8/21 W	
			Pug.Sd. 8/17 W Submits estimates. W	
			N.Y. 8/23- subm estimates. W.	
			Ports- subm estimates.8/21 W	
			Pacf. Fleet Circ- Instructions to fleet.8/15 W	
			To MI- Reqsts reply to let 7/26 9/12	
			Boston 9/14 W	

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Number.	Date.	From or To—	Subject.
635812	6/27	A. D. Cardwell Mfg Corpn.	Calls attn to incorporation of business, of A. D. Cardwell. W
635912	8/2	H. A. Drew	Request be placed on mailing list for various equipt as listed. W. Fwds S&A 8/7
636205	8/1 8/4	Hon. H. Z. Osborne Dept	Rel to desire of S. J. Flintham to secure radio outfit available at North Island Sta. W To Hon H C Osborne (Asst Sec Sig) will inform regarding price of 8/9
636213	8/2	Atl Fleet	Fwds prints of standard radio plans worn out- request be replaced. W. To C-I-C Atl Fleet- Fwds print 8/16
636420	7/25	Experimental Publ. Co.	Fwds samples of Radio News- asks if Bureau desires sent to all radio operators. W. To C J Wolfe (Actg Sec Sig) Gives inform rel 8/9
636682	8/29	To S&A SEE 638682	

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Number.	Date.	From or To—	Subject.
634189	7/18 7/21	Elk Lodge, Pensacola Dept	Request loan of radio set for use of lodge to create a fund for assistance of sick and disabled soldiers. W To J Brandon (Asst Sec Sig) unable to lean radio set 7/24
633331	7/21	To Boston	Instln of radio apparatus at FR- Technical assistance requested cc Insp nchy W To NY- Gives instrns cc Insp nchy NL 7/21
633336 To 332	10/14	To M.I.	Radio and Sound Projects on Nav Vessels for Fiscal Year 1923. W Norf 10/25 Revised estimates W Cavite 11/8 T W
633335	7/21	To Washn	Design Problem No 198- Test of Bradleystat variable resistor- W
633703 FWD TO CARD 335	7/22	To Washn	Comment on miscellaneous amateur equipment W To Washn- Gives instrns 8/4 To F D Perry & Sons- Ack receipt of blinker set 8/14 Washington- Recommends Fisher transformer be put on approved list- returns sample 9/25 W To Fishher Radio Co- sample transformers have been retained cc Washn 11/11 Wash 11/16 Report on test of amateur equip. W
634257 CANCELLED	6/7	U.S. Naval Institute	Request part one of manual of radio telegraphy and telepathy W
633707	8/15	To Comdt Washn	Test of amateur equipment. W Washn 11/16 Fwds print showing voltage amplifiers of UV-1714 transformers, with report of test W To Practical Feature Syndicate- Reqsts comments be not used for advertisin purposes cc Washn 11/25

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Number.	Date.	From or To—	Subject.	
625162	From	card 3/5	To Wireless Specialty Apparatus Co-- rel use of company's confidential design of Navy equipment conference W 7/21 Wireless Spec.Appr.Co. Representative will call at Bureau. 7/25 W To Wireless Spec Appa Co- Reqsts for representative ~~is~~ gives inform cc S&A 8/3 Wireless Spec.Appr.Co. Representative will call 8/7 - 8/4 W S&A- 9/20 W. S&A- Request action 9/30 W	
634432	7/10 7/24	C.Spiro Mfg Co Aviation	Ask if Navy can use 1/2 KW radio sets which Co has on hand W To C Spiro Mfg Co- Reqsts inform 7/28 C. Spiro Mfg.Co.- 7/31- subm list of spare parts on hand. W. To C Spiro Mfg Co- can make no practical use of spares 8/18	
634669	7/24	Ports	Copy of letter to S&A submitting list of radio apparatus held in used matl acct W To S&A-Reqst shipment of Amplifiers from Ports to S Washn 8/8 7/31 RB 10/31 W	

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Number.	Date.	From or To—	Subject.
632432	7/11v	H. B. Byrd	Request opportunity to submit sample of radio apparatus for test. W. To H.B.Byrd Mfg Co-Agreeable to submit sa ple radio equipt Washn 7/18 W cc Washn To Comdt Washn-Rqsts report 7/20 W cc S&A Washn- Comments on sample submitted. 7/31 W
632494	7/11	Fischer Radio Co.	Fwds samples of rheostats and transformers for test. W. To Fischer Radio Co- Equip will be given further test 7/19 W Fischer Radio Co .- Fwds transformer. 7/20 W Fischer Radio Co.- request report on test. 8/5 W Fisher Mach Co.- Request report on test. 9/19 W
632511	7/12	Cmdr. S. C. Hooper	Memo of visit by representatives of Federal Trade Commission rel to Govts support to Radio Coporation of America and apparent monopoly of this Corpn in sale of apparatus W.
632287	7/13	716 #715	Rqsts shipmt of matl from Washn to Washn W To S&A Rqsts shipmt of matl from Washn to Commdts 7/13 W

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Number.	Date.	From or To—	Subject.
633116	7/10	?? 634	Memo regarding acf. leet radio officer W.
633215	7/17	Washn. 598	Fwds vandykes of test bugger control switch primary coupling coil and specifications for vacuum tubes. W.
633380	6/20	Turkish Forces 493 495	Special report on radio conditions of att attachments and recommendations concerning equipt. W.
			Fwds Operns 7/26 W cc Comdr Nav Dtch in Turkish Waters W
			To Turkish Waters- will issue shipment orders 8/7 cc Operns
		card 328	To S&A Reqst shipment of transmitters from Washn to Turkish Waters 916 8/26
			S&A- Copy action to Navy Sup Depot. 8/29 W
			Washington- Lists defects. 9/6 W
			Fwds inspr mat GE 9/11 BB 9/27
			S&A- Copy action to Washington 9/25 W.
			S&A-Copy action to Washington- 9/28 W
632806	7/19	To Comdt New York	Request for vandykes. W
			New York 7/25 Fwds vandykes W
			New York no date; Fwds vandykes W

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Number.	Date.	From or To—	Subject.
630869	6/30	Washn.	Anode tips for 15 to 100 KW arc sets- subm estimates for manufg. W. To Washn Estimate a ppvd W R K 7 22
630873	6/30	N.Y. 916-1	20 KW arc set- Ex-NEW YORK-now in radio Labr. N.Y.; recommends be retd to Navy Sup Depot. W.
630952	6/27	Doubleday Page & Co.	Are shipping 25 copies in advance of requisitions . W.
631151	6/29	A. W. Barlow	Ask cost of radio receiving equipt. W. To Board Survey- F.ds letter 7/11 W To A.W.Barlow- Letter fwd to B of Survey. 7/11 W
631238	6/29	Webson G. Larsen	Request printed matter, program and wave length of Wednesday night broadcasts. W. To Mr. Webster G. Larson-No printed matter concerning programs at station 7/7 W

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Number.	Date.	From or To—	Subject.	
631416	7/2	H/ Sinclair	request book containing names, addresses etc of radio amateurs. W. To H Sinclair- Book can be obtained for 25 cents 7/12 W	
631386	7/8	To Washington	Requests to be furnished with vandykes W Washn- Fwds transformer prints. 7/13 W	
631387	7/8	To GE Co	Ack receipt of publication W	
632029	7/5	N. U. Carpenter	Request list of sending and receiving stations on Pacific Coast. W. To Citizens Bank- Gives inform rel price of literature W 7/17	
14834-598	7/6	J.B.Bardy (Auray Bldg	Engr Morkrum Radio Control Apparatus. Control.	
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Number.	Date.	From or To—	Subject.	
628382	6/19	To Inspr mat NY (T)	Rep arrives NY 20 connection contracts Wireless Improvement Co-Crocker Wheeler Co and Western Elec Co-- Desirable rep your office accompany reps visit factories 1 listed companies W	
629407	6/19 6/22	Inspr Milwaukee S&A	Request leaflet specifications W. To Inspr Milwaukee- F"ds bprints 6/26 W	
629725	6/23	A. M. Bailey	Ask if any surplus radio material for sale to ex-officers. W To Mr. Arthur M. Bailey- Bu has no literature on 6/30 W	
629735	6/15	Harry E. Niece Cancelled- (sent informally to	Ask if any surplys radio sets for sale. W. Bd Survey & Sale.)	

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Number.	Date.	From or To—	Subject.
629491	6/15	E.G.Gargani	Request data concerning construction of radio sets W To Mr. E.G.Gargani- Impossible to furnish wireless diagram. 6/26 W
629550	6/23	Gen Elec Co	Request specifications W
629926	6/21	Western Elec. Co.	Request loan of small arc. W. To E H Colpitts- Will furnish inform 6/29
629546	5/28	To Washn	Reqsts vandyke of listed plans be furn W Washn- Fwds vandykes. 7/11 W
630854	6/26	Pacf. Fleet	Recommends specifications for 2 transmitters for battleships be fwded for comment before purchase is made. W. to pacific Flet- will submit equipment 7/10

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Number.	Date.	From or To—	Subject.	
627859	no date	Pug Sd	Recommendations covg sale of equipment to A.M.Dollar W Fwds S&A 6/16	
628071	6/17	To Washington	Request for radio reports and drawings W Washn- Fwds drawings. 6/26 W.	
628436	6/15	S&A	Request radio drawings W To Phila- Fwds Vandyke 6/23	
628472	6/15	John Firth Co	Request specifications for relay W To-- gives inform rel plans 6/22	

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Number.	Date.	From or To—	Subject.
628911	6/16	Willard Storage Battery Co	Request wiring diagram of radio set built for President Harding W To Mr. R.J.Nightingale- Impossible to furnish diagram W 6/26
629107	6/19	Washington	Fwds various radio prints W To Washn plans apprvd 7/8 Washn- Fwds vandykes. 7/17 W
629069	6/16	E.H.Armstrong	Fwds paper on super-regerative circuit W To E H Armstrong- ack 6/23 To US Radio Rsch Lab Bu Standards- F ds description of system 6/26 W W
629308 9	6/17	Legation De Nicaragua	Request description & price of two K W arc sets W Fwds office of Naval Intelligence 6/27

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Number.	Date.	From or To—	Subject.	
627196	5/6	H. Heckman	Request data on radio apparatus . W. To H Heckman- Reqsts inform 6/10	
627195	6/1	Radio Corpn	Ask if confidential bulletin of Bureau is still condidered confidential. W. To Radio Corpn of America- 6/10	
626673	5/8	To Washn	Fwds instrument specens W	
626026	6/2	Bur Stand.	Copy of letter to D. Davis fwding circular 120. W.	
627544	6/8	Pug Sd T	Ask if material is available for ships mentioned in monthly radio reports for July 1921 W To Pug Snd (T) mat not available gives inform rel 6/12	

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Number.	Date.	From or To—	Subject.	
627558	6/6	R.A.Harkey	Ask if any wireless receiving sets are being sold W To Rockay A Harkey- Gives Inform 6/14	
627226	6/10	To Editor Wireless Age	reqsts inform rel circuit of H Brown ?? Gives address of Jack Greenfield W	W
627234	6/10	To Washn	Design Problems Cancellation of W	
627730	6/7	A.Armstrong	Fwds cut of mach for winding wire coil springs W	

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Number.	Date.	From or To—	Subject.
625162 see card 321	5/26	To Companies listed cross	Bu is preparing rqn for certain new radio apparatus Reqsts inform W Jno. Firth & Co. 5/27 W. Fischer Mach.Co. Will make inspection 6/1.5/27 W Wireless Spec. Appr.Co. 5/31 W. KC Co 6/3 W To Wireless Spec Apparatus Co- rel manufacture of receiver 6/9 To K & C Co (T) gives inform 6/9 Wireless Specty Apparatus Co 6/13 Will remove objectional designs from Co's bulletin W
625872	5/29	Burgin-Schenk	To Ask prices on excess radio equipt. W. Fwds S&A 6/1 To Burgin & Schenk- disposition of equipment -- gives Inform 6/1
625416	5/29	To Western Elec Co	Reqsts a quotation on 50 resistances of ohms W Western Elec.Co. 7/10 W.
626084	?	W. Wells	Ask where receiving equipt can be purchased.W To Mr. Webster Wells-Dept has no apparatus of this type 6/3 W
626164	6/1	Communications	Fwds letter from L. R. Barron requesting on information on radio sets W. To Mr. Lewis R. Barron- No literature on this subject 6/5 W

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Number.	Date.	From or To—	Subject.
625560	6/2	To Div 18	Fwds plans listed W
626392	5/25	R. Adams	Req est inform on sonstruction of radio set. W To Roy Adams-- Gives Instrns 6/10
626035	6/3	To Inspr Eng Matl-	Descriptive and instruc liter for radio material for Bu Eng- Confidential nature of. W To Insprs Eng Mt.
626862	6/5	Phila. (T)	Request ship 4 sets of instrcutions for acceptable rejectors on destroyers. W. To Phila- Fwds plans 6/12 To CO's PEARY PILLSBURY J D FORD TRUXTON Fwds plans 6/12
626923	6/6	Phila.	Fwds description of radio instln on various destroyers listed. W.

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Number.	Date.	From or To—	Subject.
623043	5/18	To Comdts Yards listed	monthly radio and sound report W cross 8th Dist- Fwds report on radio and sound equipt from Pensacola- 7/15 W To Pensacola via Aeronautics- Gives inform 7/28 8th District 12/11 Monthly radio sound report W
624385	5/15	Atl.Fleet	Copy of letter to Control Force and Train fwding forms for admirals inspection of destroyers and battleships radio instln.W .
624756	5/21	C.E. Riordan	Request publications cov use of radio phones. W.
624824	5/19	A. R. Mosler & Co.	Request inform rel to testing wireless outfits. W. To A R Mosler-- has no publications for distribution to public 5/26
624946	5/22	Phila.	Copy of letter to stations and airdraft facty directing loan or gift of radio material of any kind or condition is forbidden. W.

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Number.	Date.	From or To—	Subject.
625007	5/23	Hon J.P? Hill	Fwds letter from Standard Supply Co. requesting literature concerning radio. KW. To J P Hill- Gives Action taken 5/26 To J C Schusseler- Gives Inform 5/26
625484	5/23	Atl·Fleet Circ.	Theft of radio material by enlisted men and sale of- instructions cov. W.
624835	5/26	To S&A	Radio apparatus in Use d mat account and aprrn purchase account W S&A- Fwds reports from various yards. 7/28 W
625549	5/26	Washn.	Blocking condenser and damping resister- also instructions for receiving equipt- fwds prints.W.
626214	6/6	To Wireless Improvement Co	Reqsts plans be returned--- transmitting equipment W Fwds plans

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Number.	Date.	From or To—	Subject.
622134	5/9	To M B Sleeper	"How to make commercial type radio apparatus", this book is already on sale. gives inform rel- Regst inform rel obtaining set of apparatus W M. B. Sleeper- Will not publish any information of confidential nature. 5/11 W To-- comments 5/19 To M BSleeper Gen Apparatus Co-- Gives inform 5/19
622630	5/9	Washn.	Fwds manufg plans for type SE 1420 receiver. W.
622631	5/9	Washn.	Fwds prints of mica condensers, TC equipt etc. W.
622854	5/10	Naval Intelligence Theft	Fwds correspondence with Dept of Justice rel to M. E. Watson and F. O. Shnulties charged with larcency of Govt property at Phila. Yard. W
623043 see card 314			
623405	5/13	Internatl.Corresp.Schools.	Request radio bulletins 5 and 6 be furn. W. To E K Roden-- comments 5/20 To E K Roden rel bulletins 6/1

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Number.	Date.	From or To—	Subject.	
623481	5/9	J. Reanley	Ask if can purchase radio apparatus. W. To J Reavley- Gives disposition of mat	5/17
623773	5/15	FC. E. Riordan	Request pamphlet cov instln of radio sets. W. To Fwds memo giving general details of radio equipment 5/30	
623739	5/15	Boston	Request copy of "Principles Underlying Communications" be furnished W To Boston-- has no copies of pamphlet	5/20
624140	5/16	Washn.	Fwds various radio prints listed. W.	
624179	5/11	J. Haythorne CANCELLED- 621276-876	Request list of pamphlets be furn cov radio apparatus. W.	

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Number.	Date.	From or To—	Subject.
621793	4/28	Ogden Bliss Radio Co.	Ask if can purchase vacuum tubes and other radio equipt. W. To H E Bliss Ogden Bliss Radio Co- Gives nform 5/6
621829	5/3	Dept of Justice Bost	Request assistance in tracing ownership of GE radio receiver 522305 and dynamotor 843680 W. Fwds S&A 5/9
621297	5/4	To Radio Corpn of America	Reqst be supplied with schedules and wave lengths used by Atlantic and Pacific Coast stations of the radio corpn of America cc Bu of Standards W Radio Corpn-America-Gives wave lengths. 5/5 W Fwds Bu of Standards 5/10 RB 5/12 W
621343	5/4	To R L Polk & Co	has transmitted letter of april 27 to Bu of Navign, Dept of Commerce. Corres on Subject listed shld be addressed as listed W
622046	5/4	Radio Corpn of America	Ask if can purchase radio apparatus listed in store at Navy Sup Depot. W. To Radio Corpn of America Gives Action taken 5/9 Fwds S&A 5/10

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Number.	Date.	From or To—	Subject.	
622213	5/6	Dept Commerce	Fwds letter from B. J. Repsdorph requesting inform concerning surplus stock of radio instruments. W.	
			To B J Repsdorph- comments on radio material 5/11 CROSS	
622309	?	??	Long distance radio communication by Dr. Austin- pamphlet cov. W.	
622345	5/5	H. F. Yale	Request inform regarding Naval stations for instrns in radio. W.	
		CANCELLED		
621865	5/8	To Washn	Fwds Advance proof of paper on Methematical Treatment of Rectification Phnenomena W	746
622136	5/11	To O-I-C Annapolis	Monthly Sound Report- Gives Instrns rel W	

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Number.	Date.	From or To—	Subject.	
620249	From card 311		To Hon secy of Commerce - '(Sec Sig) - Fwds corres from Senator Walsh W 12/23	
		(Sec Sig)	To Hon T J Walsh - Reqsts inform 12/23	

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
621445	5/1	J. Levin	Ask what radio apparatus bureau has for sale. W.
621573	5/2	Fischer Mach. Co.	Offers to expedite radio parts being standardized for amateur and broad cast business. W. To Fischer Machine Co- 5/6 Fischer Mach Co. Representative will call 5/11 5/8 W Fischer Mach Co 6/10 W To Fischer Machine Co- Gives instrns 6/19
621763	5/1 5/2	J. Levin Communications	Ask what salvage or surplus radio apparatus department has for sale. W. To J Levin- Gives disposition made of material 5/5
621764	4/25	J. M. Scammell	Calls attn to opportunity for some naval radio experts to write articles for publication in "Popular Radio". W.

Number.	Date.	From or To—	Subject.
620249	5/3	To Eugene Scullion- D F Deen- M F Bennett R Francis Yates	Fwds copy of certain information and descriptions of radio equipment prepared especially for persons having a limited knowledge of radio apparatus, and issued to all publications desiring copy. Dept reserves all rights W
			Dr. A. E. Williams-? Rqst inform regarding Miller 6 stage amplifier. W.
			Hon. M.A. Michaelson- Request fwd pamphlet to C.W. Buche. 5/1 W.
			To A E Williams- Impossible to furnish details of amplifier 5/6
			To M a Michaelson- Gives inform 5/8
			To Carl W Buche Gives Action inform 5/8
			To Daniel Davis 6/1
			Martin Quinn. 6/26 W Cancelled sent to Bureau Standards.
			H M. Laper Rqst info rel to radio telephone receivers. ? W.
	card	311-A	G. Murray- 7/11- requesdirections for instln of radio status. 7/11 W
			Wm. J. Nee- Rqst info rel to wiring diagram receiver- and vacuum tube hook up. 7/? W
			R. E Miller- request hand book on radiophone be furn. 8/8 W.
			H. H. Strochhecker - request wiring diagram of tuner. W. 8/15
			R.C.MacBeth 8/16 Request pamphlets on transmittors W
			To H H Strehhecker- Fwds cc instrns 8/23
			To R C Macbeth- Fwds booklets 8/26
			M. Lehmkuke ? W.
			Hon. I P. McPherson - 10/? W.
			To Hon I.V. McPherson-Letter fwd 10/14 W
			To Dir Bu Standards- Letter fwd 10/14 W
			J.H.Borin- Rqst data on wirelesstelegraphy. ? W
			L. H. Blouch- Request book on radio telephony and telegraphy. 11/28 W.
			To L H Blouch- has no books 12/4
			Hon J.W.Pepper 12/11 Rqsts fwd CW Gumbes work on radio KW
			Hon T.J. Walsh 12/14 Rqsts radio inform be fwd to JM Deschene KW

APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
620254	4/27	To Prof M I Pupin	radio and sound apparatus comments W	
620585	4/27	To Pug Snd	Fwds tracings of plans listed W	
620999	4/22	A. Meola	Request catalog on radio apparatus for sale. W	
621060	4/28	MI (T)	Request auth to turn over to Federal Tele. Co. 100 2KW arc chamber patterns. W. Fwds S&A 5/2	
620249 - see card 311				
621269	4/28	Washn.	Fwds various radio vandykes and drawings. W.	

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Number.	Date.	From or To—	Subject.	
621276	4/24	Lt. W.K. Haythorne	Request literature on radio apparatus be fwded. W. To Lieut W K Haythrone has no literature on radio matters 5/4 W. K. Haythorne- Reqvest list of pamphlets be furn cov radio apparatus . 5/11 W. Communications- Fwds letter from K. Haythorne requesting radio pamphlets etc. 5/20 W. To Lt W K Haythorne- Gives inform 5/23 Fwds Dir Commns 5/25	
47403	4/26	To Inspr Mat GE	Reqst inform in connection with description, operation, care and upkeep of radio apparatus WS	629
621340	4/27	O. J. Anderson	Ask if can purchase radio set. W. To O J Anderson- Fwds catalogue of material 5/9	
621343	4/27	R. L. Polk & Co.	Request rules and regulations concerning radio instlns. W.	
621388	4/20	C. Oertel	Request radio pamphlets. W. To Mr. Chas. Oertel- Does not issue pamphlets rqsts 5/3 W	

APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
619612	4/20	Communications	Fwds letter from Hon. T. S. Butler enclosing letter from G. D. Henderson requesting inform as to radio apparatus available for sale. KW. To Hon Thomas S Butler Fwds memorandum prepared by Bu in regard to inform desired rel armatures W 4/24
618321	4/19	To S&A	Radio Telegraph-Request for Modification of instructions relative to the issue and reporting of radio material W S&A Circular- Subm addtl list 4/21 KW CO NEW YORK 6/13 W To S&A Reqst shipment of tubes from Washn to CO 546 6/22 RB 3/19 W To S&A- gives inform rel mat listed 7/31 S&A Circ- 8/4 CO DENVER 8/9/22. W S&A- CO IDAHO request 10 vacuum tubes be shipped 8/19 W Fwds S&A 8/21
FWD TO CARD 325			
618481	4/22	To S&A	Sale of Obsolete radio material Gives list of that can be sold recommends material be placed on sale W To S&A- Rqsts mtl duplicated be stricken from list 6/3 W

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.	
619362	4/22	To Phila 1214	Radio apparatus on ships going out of commission Reqst inform rel disposition W Atl. Destry- Copy action to various destrys. 4/28 W.	RB 6/5/22.W
619529	4/22	To Washn	Priority of Radio Research Problem assigned to Washn Yard- Gives Action taken W	
620578	4/24	HOn. M. P. Kinkaid.	Request pamphlets describing radio telephones be mailed to J. H. Gross. W. To M P Kinkaid Fwds memo on subject of radio equipment 4/28	
620425	4/24	Hon. C. MacGregor	Fwds letter from Dr. T. W. Harris in reference to radio apparatus. W. Memo for Commissioner T V O'Connor Shipping Board Gives disposition of equipment 4/26 To Hon C MacGregor (Asst Sec Sig) Gives Action taken 4/27 To CO Buffalo Fwds instruction books 4/29 Navigation- returns correspondence with recommendations. 5/13 W Fwds Asst Dept 6/10	

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APPARATUS RADIO 1922

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Number.	Date.	From or To—	Subject.	
618677	4/11	G. W. Edmonds	Request copy of instrns cov radio apparatus. KW To Hon G W Edmonds- Gives instrns 4/19	
615449		FWD FROM CARD 305 William J. Bruce	To Mr. Wm J. Bruce.- Tests are to be conducted on possibilities of siphon recorder 4/15 W W. M. Bruce- Offers to furn magnet type relay. 4/14 W. To Mr. W.M. Bruce- Rqsts corres be fwd to Eng. 4/22 W W.M. Bruce- Jr.- (T) Will be in Washn. 5/8 4/28 W To Springfield (T) test monday may 8 4/29 To U.S. Radio Rsch Lab Bu Standards- Rqsts recorder be fwded to Comm office. 6/3 W	

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Number.	Date.	From or To—	Subject.	
618734	4/10	W. Gibbon	Request information on wireless. W.	
618884	?	C. F. McFadden CANCELLED	Request price on telephone and vacuum tubes. W.	
618485	4/17	To SO Phila via S&A	Shipment of Radio material Gives Action taken cc Aircraft Fac W S&A- 6/1 W.	
619292	4/13	Hon. E. D. Rickets-	Request printed matter on radio. KW. To Edwin D Ricketts- Fwds article on amateur radio apparatus W 4/24	
619310	4/13	Hon B. L. French	Request radio literature. KW. To Hon Burton L French- Fwds Short article on Ameteur Radio apparatus and a book "Robison's Manual of Radio Telegraphy and Telephony W Hon B. L. French- Request copies of publications on amateur radio apparatus. 4/24 KW To Hon Burton L French- Fwds Articles 4/27	

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[OVER.]

Number.	Date.	From or To—	Subject.
616904	4/8	To O-I-C Bu Standards	Wave Length Check of Radio Comm Atlantic Coast Radio Stations- Data should be incorporated in Monthly report on check W Bur Standlabr- Report on check of wave lengths 5/9 W To Comdts Yds-Stations listed Fwds cc Radio Research Lab let 5/9 rel Wave length measurements W 5/12 cross Bu Standards Lab 6/14 May check of transmitted wave length W Fwds Dir of Comm 6/22 RB 6/26/22 W
617189	4/8	To Chasn	Monthly Radio Report RH 2A 237 dated 3/1 rel chipment of receiver W Chasn- Only one receiver in stock. 4/11 W To Chasn- Discrepancies in monthly report of radio material 4/21 Chasn- Recommends vacancy of extra radio aide be filled and temporary radio inspr be assigned to keep up work. 635-3. W. 4/26 To Chasn- not possible for Bu to fill all vacancies in field from Wash 5/4
618183	4/11	Dept Agriculture	E. Scullion request bulletins on radio apprs. W.
618304	4/11	Bright Co.	Fwds clipping from a Phila. newspaper rel to radio equipt being cheaper- rqst be informed in conn with W To Bright & Co Fwds inform 4/27
618051	4/5	H.L.Wilder	Request fwd bulletins for making wireless outfits W To Dr H L Wilder- Fwds a description of Amateur 4/13

See also 616904

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
609334	fwded from card 299		To Bu of Standards Proper Design of Shore Station Antenna- Reqst report be submitted W. Fwds Radio Research Lab Bu Standards 4/17 RB 5/4/22. W. To Burn-Boston Battery & Mfg Works- Gives Inform 5/13
617380	4/11	To Sec of Commerce (Sec Sig)	Calls attention to a system for checking wave length of Naval shore and ship Stations, which system has proved to be of great value during past two years W Dept of Commerce- 5/3 W.
618321 see card 309			
618403	4/6	CO TRUXTUN 6	No copies of radio and sund report 12/19/21 on board. W.

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APPARATUS RADIO 1922

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Number.	Date.	From or To—	Subject.	
617215	3/15	H. W. Sullivan	Fwds copy of working diagrams of amplifying receiver circuits. W	
617351	4/5 4/6	League of American Penn Women Dept	Ask if radio apprs could be loaned by Navy during annual convention of League 4/25 to 28. W. To Mrs H W Keys (Sec Sig). Gives detld inform rel obtaining radio equipment W 4/17	
617380 see card 307				
617441	4/6	Harry Warren	Request prints and printed matter on radio. W	
617444	4/5	Washn.	Radio plans- Fwds. W.	

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APPARATUS RADIO 1 922

Number.	Date.	From or To—	Subject.	
617510	4/3	C. Bowers	Request inform on wireless apparatus. W. To Chas Bowers Fwds print 4/12	
617549	4/7	N.Y.	Request specifications cov radio material. W	
617603	4/7	Washn. card 529	Fwds beneficial suggestions by T. F. Volltem cov silver plated soldered electrical connections. W. Fwds CO 4/13 (DICKERSON) RB 6/12 W CO OHIO 5/22 W Fwds Washn 6/23 RB 7/6 W. Fwds Dept 7/11 RB 7/14 W Fwds Washn 8/24 RB 9/30 W	
617710	4/4	W. A. Anderson	Ask if Bureau has any surplus radio apprs for sale. W. To W A Anderson- impossible to loan equipment 4/12	
618008	4/10	Bishop Elec. Co.	Ask if Bureau has radio apprs for sale. W. To-- Fwds copy of Catalogue 4/13	

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[OVER.]

APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
614391	3/21	To MI (T)	Ask if radio laboratory General Radio Co tuning fork vibrator W	
615526	3/25	Dept of Commerce	A. Pickles- G. G. Conney and Star Elec.Co. request information regarding sale of wireless apparatus. W.	
615995	3/29	Dept Commerce	Fwds request from E. C. Perry and J. N. Little for information as tosale of radio apparatus- (Not enclosed) W.	
615449	3/29	To Wm M Bruce	Rel test of transformers - Reqst cost of three relays W To W M Bruce- Reqst Inform rel type of siphon recorder used W 3/30 W. M. Bruce- T- Satisf for representative to call 4/6-or 4/7 4/5 W. To W J Bruce (T) Bu Rep will arrive Springfield April 6 or seventh ask if will be in Springfield at that time 4/4.	
TO CARD 308				
616316	3/29	Motor parts Co.	Request Co. be favored with list of radio apprs for sale. W. To Motor Parts Co- Gives instrns 4/6 Fwds S&A 4/6	

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
616595	3/31	D. L. Wiggins	Request instrns cov erection of a wireless set. W. To D L Wiggins- Gives instrns 4 /7
616669	?	E. N. Willis	Request inform rel to most efficient hook up using Western Elec. tubes. W. To Edward N Willis- Gives instrns 4/7
616254	4/4	To Pearl Harbor	Numbering of Photographs in accord with RE IA 101 W.
616983	2/27 3/30	State of Washington Pug. Sd.	Ask if can purchase radio telephone equipt for instln of at Camp Lewis. W. Fwds S&A 4/8
616904 see card 307			
617094	4/4	Rumsey Elec.Co.	Request copy of article entitled "Defects and trouble with Radio" by E. M. Trilling. W. To Rumsey Elec Co- no funds available 4/10
617189 card 307			

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[OVER.]

Number.	Date.	From or To—	Subject.	
613764	3/13	Inspr GE	Fwds GE Co. specifications for 2 KW vacuum tube generator for testing laboratories W To Inspr mat GE Gives Action 3/21 Fwds Washington 3/21 RB 3/28 with specifications. ~~-3/21-~~ W.	
613045	3/16	To Hon L P Padgett	radio apparatus Gives list of companies telreceiving equipment can be purchased from W	
614185	?	G Ritter	Request pamphlets cov constrn of an aerial. W	
614781	3/17 3/21	Contanental Fibre Co S&A	Request specifications cov Bakelite dilecto tubing. W To The Continental Fibre Co Fwds Specens 3/25	

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
613324	3/18	To Chasn	Obsolete radio material- Gives list of apparatus to be retained for use of radio laboratory W
614064	3/21	To Washington	Reqst copies of listed instruction books be fwded W Washn- Instructions for operations of amplifier and radio air craft compass receiver-fwds.3/30-W
614574	3/22	To Comdt Washn	Drawings, specens and development work in process at Washington- invites atten to listed work uncompleted W Washn- Rrogress report. 3/24 W.
614975	3/22	Washn.	Fwds revised vandykes showing fillament rheostat. 3/22 W.

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[OVER.]

APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
611749	3/6	To C-I-C Atl Fleet To C-I-C Pac Fleet To Pensa	Fwds Galley proofs of manual of eng instrns W To P Atl. Fleet- Fwds proofs with comments on. 3/11 W Pacf. Fleet- Fwds proofs. 3/24 W. Pensacola- Fwds proofs. 3/29 W.	
612733	3/3	A. H. King	Ask if can secure radio sets for instruction purposes. W. Fwd S&A 3/10 To Youngs Mens C Associan-Gives Action taken rel radio set 3/10	
612793	3/6	Washington	Fwds drawings of fillament rheostat of relays. W.	
612880	3/8	Washn.	Fwds instruction books for receiving equipt. W.	
612878	3/7	Washn.p	Request vandykes listed be fwded from N.Y. for use in constructing thermo couples. W. Fwd Washington 3/11	

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.	
612663	3/9	To S&A	Obsolete and Used Radio material of no further use by Navy, Disposition of given W	
613324	3/8	Chasn.	Request instrns rel to disposition of material removed from Ex-RELIEF - light vessel 53. W. 678-53	
613326	3/8	Chasn.	Subm list of radio equipt removed from Chaser 201- request disposition of. W.	
613733	3/13	Independent Wireless T Co.	Ask if Bureau has available for sale, complete 5 KKW spark set with motor generator. W. To -- Gives Action taken 3/17 To S&A- Submits Recomdns disposal of obsolete equipment 3/18	

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
611414	2/16	Atl. Fleet Circ.	Bureau of Engineering monthly radio and sound reports,-instructions rel to perusal of. W.	
611107	2;25	To Washn	Reqt one vandyke RW 48F 196 be fwded Bureau for information and file.W Washn- Fwds vandyke. 3/6 W.	
611104	2;25	To Norf	Radio telegraph-reqt vandyke RN 3A 186 Be forwarded to Bu for information.W Norf- Fwds report on automatic reducing condenser. 3/3 W.	
610611	2/25	To Bu's Operns Marine Corps, Judge Advocate Gen.	Fwds galley proof of Radio Plants M	600-2
611599	2/23	A. H. ~~Babcock~~	Request copy of Bur Engrg. radio compass bulletin on construction of compass. W. To-- Gives Instrns 3/11	
611733	3;2	To So Brookn	Reqt detailed report re unassigned radio matl.W Navy Sup Depot 4/10 W. SEA 4/13 W. Navy Sup Depot- Fwds list of unassigned radio material 4/21 W. To Brookly Sup Depot- Rqst report as subm be revised and fwd to Bur. 4/3. W	

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APPARATUS 1922

Number.	Date.	From or To—	Subject.
611907	3/1	Natl. Lead Co.	Calls attn to spare radio sets in stock- ask if desire to purchase. W.
		To Natl lead Co-To--	mat not required at present time 3/22
611736	3/3	To NY	Monthly report- Gives instrns rel W N.Y.- Request Dec. & Jan. reports. 3/13 W. N.Y. 3/21 W
612341	3/2 3/4	W. J. Harris Aviation	Fwds letter from A. M. Beatty requesting inform on maintenance and care of radio instruments. KW. To-- Reqst Action taken 3/6
612516	? 3/3	E. E. McGrew Navigation	Inform rel to surplus radio material for sale. W To-- Gives Action taken 3/10 Fwd S&A 3/10

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
610404	2/16	MI (T)	Request auth to make shipt of 100KW cathode sheath pattern to Fed. Tele. Co. W. Fwd S&A-reqt M Is return arc sheath to Federal Tel Co-2;21-W
610190	2/15	Associated Mfg. Elec. Supplies.	Request all inform available concerning radio broad-casting be furn. W To L.G. Pacent-2;21-W
610556	2/6	Mine Sqd. 2	Request type numbers and classification of radio apparatus be furn. W. To Pac Flt-book being revised unable to give info reqtd-2;25-W
610464	2/17	D. M. Hughes	Ask if Bureau has any seaplane radio receiver or telephones sets for sale. W. To DM Hughes-unable to sell-2;27-W
609953	2;18	To Nav Intel	reqt data re cost of French radio apparatus listed and descriptive matter-W. To Nav Intel-reqt data re British radio apparatus-2;18-W To Nav Intel-reqt data re German radio apparatus-2;18-W RB 4/22 W. Naval Intelligence- Fwds report from Naval Attache, Paris. 5/19 W. Naval Intelligence- Fwds report from Naval Attache, Lond. 5/26 W. Naval Intelligence- gives prices of receiving and amplifying tubes furn by Naval attache Berlin 5/31 W

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Number.	Date.	From or To—	Subject.	
609961	2;21	To Washn Yard	Detailed comments and instructions re Bureau design problems-radio telegraph and status of.W	
611025	?	J. J. Barry	Request catalog and price list of radio equipt. W.	
611006	2/13 2/20	E. J. Mullen Communications	Request info concerning barrage type of receivers be furn. W. To EJ Mullen-2;27-W	
611248	2/18	Superadio Corpn	Request catalog of radio apprs and machry with prices, etc. W. To Superadio Corpn-fwds catalug-2;28-W	
611278	2/21	9th Dist	Fwds conculsions of M.B.West regarding fundamental principles of radio telegraphy. W	854

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
609445	2/11	A. Meola	Ask if can purchase old radio sets. W. To-- Fwds catalogue 2/15	
603993		fwded from card 295	To NY Fwds Plans listed W 2/11 Phila- Fwds print of book of drawings. 3/17 W	

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
608350	2/ 11/	To NY	Reqst booklets of listed instructions be furnished Bureau W N.Y.- Fwds instrn booklets. 2/23 W
609485	2/9	J. J. Elias	Request publications on radio telegraphy W To— Has no pamphlets ce F. E. Carter 2/14
609560	2/13	Weston Elec. Instr. Co.	Request latest specifications cov instruments for radio apprs. W. To- Gives inform rel latest specens 3/9 Weston Elec. Instr. Co. Request latest specifications. 3/16 W. To— Fwds specens 3/22
609007	2/14	To Pacific Fleet 494	Fwds listed Instruction booklets W
609746	2/10	Kansas City Pub. Library	Principles of underlying communicatio Request copy of. W. To The Librarian-2:21-W

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[OVER.]

APPARATUS RADIO 1922

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Number.	Date.	From or To—	Subject.
608819	2/7	Hon. T. S. Butler	Request radio bulletins be furn J. B Copenhafer. KW. To -- does not issue bulletins 2/11 To J B Copenhafer- Gives Action taken 2/11
608777	2/6	A. M. Lyon	Request list of amateur radio stations. W. To-- Gives Action taken 2/11 To Govt Printing office Fwds let from A M Lyon 2/6 2/11
609080	2/8	Miss H L Plumer	Request publications on wireless. W. To--has no pamphlets 2/14
608337	2/10	To Pug Snd	Reqsts type and contract numbers of panels W Pug. Sd. 2/17 W

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Number.	Date.	From or To—	Subject.
609255	2/9	Communications	Fwds copy of letter from Hon. J. G. Strong requesting pamphlets on radio apparatus. W. To-- Has no publication on 2/14
609334	2/10	Burn Boston Batt.Co.	Calls attn to new type of artificial ground for radio station - fwds pamphlets W To Burn-Boston Battery Mfg Wks-suggests sample be fwded to Bu Standards for test-2;21 W Burn Boston Battery Co.- Comments on satisf coke. 3/11 W. To Burns Boston bat Co- comments 3/23 Bird Boston Batt. Co.- Have ordered facty to send grounds to Bur Stand Labr. 3/27 W. 882-1 Burn Bos Battery Co 4/10 Fwds cir describing coak bed W
card 307			
609341	2/8	Mare Isl.	Request drawings showing details of wave changer for uni wave system be fwded. W. To MI Fwds Photostat 2/18
609340	2/7	Mare Isl.	Wave changer and loading coil - request print. W MI- Request action 3/6 W. To MI- Fwds Vandyke 5/10

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[OVER.]

Number.	Date.	From or To—	Subject.	
607421	1/31	Norf.	Subm list of radio aprs on boardVULCAN & DUNCAN- request auth to use on RAPADAM & LARAMEE. W.	
606539	12/19	Guam	Comments on notice of failure to submit receipt for monthly radio reports- due to slow mail service. W. To C-I-C Guam Gives Action 2/1	
607501	2/4	To Washington	Reqst vandykes listed be furnished W Washn- Lists vandykes fwded to Bureau. 2/8 W	
607569	1/27 1/31	E.G. Ports S&A	Request copy of manual of wireless telegraphy. W To-- Gives Info m 2/8	
607724	1/31	U. S. Veterans Bureau	Ask if Bureau has any radio material available for transfer without transfer of funds. W. To-- Gives Info m 2/4	

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Number.	Date.	From or To—	Subject.
607791	1/26 2/1	R. F. Yates Communications	Request data rel to Navy radio to be incorporated in test book he will write. W.
607957	2/3	H. P. Michel	Request catalog of material for sale. Y
608048	1/25	Independent Wireless T. Co.	Quotes from their logs- "results of receiving and sending are poor". W. To Independent Wireless rel Co- Gives inform rel test 2/14
608150 608350 card 300	1/27	Diamond State Fibre Co	Ask when & where conference will be held to discuss methods of testing radio material. Ask if can purchase arc sets W To-- Gives inform 2/8
604930	12/29 1/16	CO Communications	Fwds report cov irregularities in radio aparatus while GRAHAM & PANAMA were in collision. W 1000-771
608481	2;1	13th Dis	Recommends monthly radio report be marked "For Navy Use only" instead of "Confidential." W 914

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.	
577779	FROM CARD 297		Pacf·Destry- List of work performed on WALKER & CROSSBY. 5/1 W.	

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Number.	Date.	From or To—	Subject.	

APPARATUS RADIO

Number.	Date.	From or To—	Subject.
606754	1/19 1/26	Naval Militia NY Navigation CANCELLED- 707- 11	Request radioset be furn Rochester Headquarters. W Fwd Navign 2/1
606539	see card 298		
606187	1/27	To Coco Solo	Form description of Radio Installation should hereafter be submitted annually on 1 July cc Hemp Rds- NL- San Pedro- P H- Cavite- Coco Solo W
607211	1/27 1/31	H. E. Hallborg Nav. Intelligence Publication	Request auth to publish manuscript on radio engineering. W. Fwd Naval Intelligence 2/3
607352	1/30 CANCELLED	R. W. Beard	Request list of radio apprs for sale. W To CO- As. if receivers installed on THRUSH 2/3 Co THRUSH 2/17 W CANCELLED.

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.
598655	FROM CARD	291	Ham.Rds. Fwds prints of AC tube set being experiment with 1/27 W. 918 To Phila- Gives inform rel receiver cc Washn- CO Anacostia 2/9 Phila- KALMIA will be ready for test 2/14 2/10 W C. L. Reiche- Request printed matter on radio apparatus. 5/18 W. To C L Reiche-- Fwds booklet 6/1 Hon.T.S.Butler 6/19 Request fwd literature on radio to C.R.Sheeder KW To Hon T S Butler- gives inform rel text book 6/24
577779	FROM CARD	284	Pacf.Destry- Subm list of work done by yard on various vessels. 1/25 W. Pacf.Destrys- Report on work performed. 2/3 W Pacf Destry- list of work to be done by yard on varius vessels. 2/25 W. Pacf.Fleet- Report of inspection of radio instln on board TEXAS-6 3/16 W. Pacf.Destry- Subm list of work done on destroyers. 3/16 W. Atl.Battleship Force- Fwds reprt from 16 destroyers. 3/14 W. Pacf.Destry- Subm list of work to be done by Yard on various vessels. 3/21 W To Atl Fleet- Inspections cc c-1-C Atl-Fleet 3/29 Pacf.Destrys- Report on inspection of PALMER & THATCHER. W. 3/30 W. Pacf Destry- report on work performed on various destroyers 4/15 W.

CARD 297 - A

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[OVER.]

Number.	Date.	From or To—	Subject.
605451	12/6	Boston	Confidential publication - custody of. W. To Boston Requests copies of reports be returned to Bureau 1/28
605725	1/20	J. E. Parker	Calls attn to circuit devised to pick up signals on wave lengths between 175 and 400 meters. W.
605835	1/6 1/20	Naval Reserves, Oswego, NY 3d Dist.	Publications cov radio instrns. W. To CO Oswego-Fwds publications 1/27 W comdt 3rd Nav Dist.
605796	1/17	Pug. Sd.	Request prints listed be furn. W. To Pug Snd Fwds Plans 2/11
606135	1/23	Ward Leonard Co.	Ask what Dept has charge of commercial radio work. W. To-- Gives Inform 2/2

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606187 - Card 297

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RADIO APPARATUS 1922

Number.	Date.	From or To—	Subject.
606283	1/5 1/24	Radio Telegraphist Foreningen Hydrographic Office	Request publications etc rel to radio telegraphy be furn. W. To Dire Bu Standards- Rqsts pamphlets be supplied by Bu Standards 1/27 W Fwds Hydrographic Office 1/27 W
606360	1/23	Hon. S.G. Porter	Request copies of radio pamphlet #40 be furn W. Horne. KW. To-- Cannot supply pamphlets 1/26
600783	12/21/21	To U S Research Lab	Assignment of Radio Research Problem Gives Action taken W Bureau Stand. Labr. 1/20 W. To Bu Standards-Reqst Problem be stricken from list 4/6
606615	1/26	Washn.	Fwds prints showing booth protecting relay and antenna protecting relay. W.
605733	1/26	To Anacostia	Fwds articles on "The Recording of high speed signals in Radio Telegraphy W Anacosita- fwds proof. 2/16 W

Number.	Date.	From or To—	Subject.
603312	1/11	To Operns K-6	Colliers and Oilers- Installation of 2 K W Arc transmitters on- W RB 1/16 W
603993	1/13	To Comdts yards	Fwds print Gives Instrns rel W Boston 1/19 W. N.Y. 1/26 Fwds prints. W. CO DELAWARE 1/19- Fwds prints . W. CO NORTH DAKOTA Returns drawings. 1/3 W. To Boston Gives Instrns rel lost of drawings 1/30 Boston 2/7 W To Boston Approved 2/10
	card 300		
604990	1/15	G. H. Clark	Request auth to use Bureau boilers and inform rel to compiling book on development of radio apprs in U.S. especially as concerns Navy. W. Fwd Dept 1/28
605145	1/12	MI	Suggest letter "c" be placed as a prefix on all confidential radio in sound signalling plans. W. To MI Disappvd 1/28

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.	
544459	FROM CARD 274		Mare Isl. 1/12 W To Boston Ask if spare chamber is available for use at Station cc O I)- C Bar Harbor W Boston- 1/27 W.	
604187	1/18	To C-I-C Atlantic-Pacific Fleet-Asiatic Fleet	Annual report from Commander-In-Chief requested W	
605388	1/16	Boy Scout of America, Ohio.	Ask if have any radio sets which Bureau will loan. W. To S&A Gives Inform 1/21	
605394	1/16 1/19	Hon. C. H. Brand Communications	Fwds letter from L. B. LeRoy requesting information sent out by Govt for general public. KW. To- Returns letter 1/21	

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.
472217	FROM CARD 253		Washn-Fwds preliminary report on design problems. 1/6 W.
577859		fwded from card 284	To MI Inspection of radio and sound installations on Naval Vessels : Gives inform W 1/7/22 Phila- Report on inspection of radio apprs on board ANTARES 8/11 W.

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APPARATUS RADIO 1922

Number.	Date.	From or To—	Subject.	
603776	1/9	A. J. Housman	Request opportunity to purchase radio sets. W	
603837	1/8	J. F. Deighan	Ask if can purchase surplus radio material. W	
603911	1/3	MI	Radio coordinator system- fwds copy of W.	895
604125	1/11	J. B. Brady	Request photos representing Naval radio instlns for office decorations. W. To-- Gives Action- Fwds Prints 1/14/22 J. B. Brady Returns negatives. 1/24 W.	
604126	1/4	R. W. Semons	Receiving in neighborhood of Annapolis station difficult due to this station- ask if mush can be confined to one or more ways. W. To R W Semons- Reqst inform 1/17/22 R. W. Semons 1/18 W. To R W Semons 1/26	

Number.	Date.	From or To—	Subject.	
600789	12/19	To Hon Elihu Root Sec Sig	Reqst Navy be allowed to outline policy for international Radio Comm in general particular situation in the Pacific and Far East W Pub Arrangement 1214	
600783 see	card 296			
601707	12/5	F. Lowenstein	Subm preliminary report on visit to Europe 7/8 to 10/27. W. To-- Ack receipt of report 12/28	
601902	12/21	G. R. Roth	Ask if can purchase small lots of radio apprs. W To-- Fwds Catalogue 12/29	
602018	12/16	Pug. Sd.	Fwds letter from D. H. Marriott asking if article used for recruiting service can be published in a magazine. W. Pub	
602314	12/8 12/28	R. A. Rappis Dept	Request inform rel to wireless telephone and telegraphic communications. W. To R A Rappis(Asst Sec Sig) Gives detld inform 12/31/21 To R A Rappis(Asst Sec Sig) Gives Action taken 12/31/21	

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APPARATUS RADIO 1921

Number.	Date.	From or To—	Subject.
602339	12/21	Weston Elec. Instr. Co.	Request two complete sets of Navy specifications RE-13-A-255 be furn. W. To -- unable to furnish specens 12/31 Weston Elec. Instr Co. 1/5 W.
		1922	
602845	12/30	J. Hoover	Request wireless outfit be furn. W. To -- cannot grant request 1/7/22
603082	12/22 12/29	Atl. Battleship Force Atl. Fleet 496	Subm report on defective radio apprs on board destroyers. W.
603174 5	1/4	Stetson Jennings & Russel	Ask name of officer who conducted test of 1/2 KW motor boat set in 1917 built by American R/R Corpn. W. To -- Gives Inform 1/11/22 Stetson Jennings & Russell - Gives reasons whey inform was requested. 1/13 W To Washn - Reqst name of person who made test covered by Report 1/18/22 RB 1/25 W To Messrs Stetson Jennings and Russel In case of testimony of Mr. McDonald expenses must be borne by client 1/27 W Stetson Jennings & Russell - 1/30 W

APPARATUS RADIO 1921

Number.	Date.	From or To—	Subject.
594412	FROM CARD 289		Washn. Report on test of of Pacent plugs. 12/12/ W.
		Tracer RB 1/25 - W-------	To Pacent Elec Co- Jacks aprvd 12/22 RB 1/ W.
			Pacent Elec. Co.- Will fwd drawings. 1/4
			To Pacent Elec Co Reqst reply to let of Dec 22 1/28
			Pacent Elec. Co. 1/31 W.
			To Pacent Elec Co- Reqst Vandykes 2/4
			Pacent Elec. Co. Will fwd drawings within a week. 2/8 W.
			Pacent Elec. Co.- Fwds vandykes. 2/16 W
600488	?	Hon. J. R. Mann.	Writes in behalf of A. L/ Haltgren rel to purchase of wireless equipt. W.
			To- A L Hbltgron rel purchase of equipment Gives detld inform 12/17
			To Hon J R Mann- Gives Action 12/17
600512	12/14	B. F. Tilson	Request pamphlets be furn rel to instrns for operation of radio apprs . W.
601183	12/19	Lowenstein Co.	Request copy of report and drawing showing arc chamber in two verticle cross sections and plan view. W.
			To-- Fwds reports of tests 12/28
600783	see card 296		
600868	12/21	To Dir of Intelligence	Inquiry re purchase of high speed printer manufactured by Siemens-Halske Co-- W RB 2/28/22 W
		909	Nav Intelligence 6/16 Fwds report of Naval Attache Berlin W

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APPARATUS L("L 1921

Number.	Date.	From or To—	Subject.	
501742	FROM	CARD 269	Pug·Sd.- (T) Gives data. 12/16 W. New Orln- Fwds newspaper mapof the City with power lines in red pencil. 12/30 W. 821 - 615- 9 Fwd Director Naval Communications 1/9/22 To Pug Snd- Reqst cc of data and rpms 1/14/22 Pug.Sd.- Fwds special reports. 1/13 W To Dir Comms Fwds Prints 1/23 Pug.Sd. 1/20 W Pug.Sd.- Fwds special reports cov power supply for Alaskan Sta. 2/3 W Fwd Dir Comms 2/15	
601451	12/20	Dept Agriculture	Fwds letter from G. O. Cobb requesting literature on wireless apparatus. W. To G O Cobb has no publications for public issue 12/30	
600794	12/23	To Hon Everett Standers	Fwds catalogue as listed W	

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APPARATUS 1921

Number.	Date.	From or To—	Subject.
598655	11/22 11/28	CO THORNTON Pacf. Destry	Rqst forms for submission of description of radio instln be furn. W. Pacf. Destry- CO TINGEY rqst radio report forms. 12/28 W
		CO KENNEDY. 12/2 W Aviation I/16 W To Hump Rds Reqst report be submitted 1/20	CO WOOD 11/29 Fwds description of radio instln. W. CO AARON WARD -Fwds description of radio instln. 11/29 W.
CARE 297		,,	CO MARCUS 11/29 W. Coco Solo- 11/29 W. Phila- Fwds special report on comparison test of receivers. 12/5 W. X 898 Darien 11/29 W
598764	12/3	Becton & Dickenson Co.	Request copy of list of wireless stations. W To-- Gives Action 12/7 To Govt Printing Office- Fwds let from Becton Dickinson & Co- 12/7
599201	12/5	G. B. Lawson	Request list of wireless outfits for sale. W. To G B Lawson Gives inform 12/9 Fwd S&A 12/9
599302	12/2 12/7	Hon. F. E. Warren Communications	Ask if Bureau has any printed matter cov radio telegraphy - also wether sets can be purchased. KW. To-- Gives detld inform 12/8
600052	12/10	R. S. Miner	Request wiring diagram of Sperry radio set. W. To-- unable to furnished inform desired 12/15

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Number.	Date.	From or To—	Subject.
598765	12/7	To Research Lab Bu Standards	Stationary waves on Open-ended solonoids comments on paper by a Press Fwds Paper W Bur Stand. Labr. 12/14 W
599540	12;7	NY	Submits report covering status of research problem 106-B on elimination of harmonics and flash emitted be arc transmitting station.W To NY Comments 12/21 N.Y.- Reduction of harmonics- subm suggestions for. 1/11 W To NY-reqt addtl info-3;1-W N.Y.- Subm addtl data. 3/21 W N.Y. 3/27 W.
599634	12/8	Aero Alarm Co.	Ask if Comdr.Hooper will be in Washn, 12/13, 14 or 15. W. To-I Gives inform rel date of conferencd 12/10
599742	12/9	Inspr Brook.	Request monthly radio reports be furn. W.
599407	12/10	To S&A	Reqst for shipment of radio material via rail W
600029	12/12 CANCELLED	J. J. Mauss (T) CANCELLED	Request catalog and surplus radio equipt be forwarded. W.

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Number.	Date.	From or To—	Subject.	
595395	11/9	Wireless Spec.AppR.Co.	Authorizing certain officers to sign bids and contracts made with Govt. W. To S&A Gives comments 11/18	
595432	11/10	Insgr GE	Fwds copy of data book on radidron and general description of 5 KW output pliotron tube. W.	
595439	11/10	Washn.	Fwds vandyke of drawing RW 23-F-129.	W
595534	11/16	To Washington	Reqst instrns books listed be forwarded to Bureau W Washn. 2/9 W.	
596210	11/16	Washn.	Fwds vandykes RW-23-F-129 -A. W.	
596256	11/15	M.D.Sinclair	Ask if can purchase 2nd hand radio apprs.W. To-- Gives Action 11/19 Fwd S&A 11/19 ~~To-- Fwd S~~	
596568	11/18	Washn.	Fwds various revised radio prints. W.	

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Number.	Date.	From or To—	Subject.
596701	11/18	Inspr GE	J. R. Mawery has requested price on equipt for use with Navy radio telephones and transmitting set- have no information that Navy material is legally in his possession-rqst instrns. W. Fwd CO Parris Island cc Inspr GE 11/23 RB 11/29 W To Inspr mat GE- not possible to supply material requested 12/2
596507	11/21	To MI	Reqst Vandyke be furnished W MI- Fwds print. 12/1 W.
597112	11/21	American Legion Elkhart	Ask if Bureau has any radio sets for sale. W. Fwd S&A 11/25 To Thomas McCoy- Amer Legion- Gives inform rel equipment 11/25
597983	11/17	C. F. Elwell	Request photos or loan of plugs showing 5, 30, 250 and 1000 KW arcs.W. To-- Fwds list of ~~news~~ views of arc radio transmitting equipment in use in U S Naval Communication service 12/2 C. F.Elwell- Prints recd. 12/12 W
598075	11/28	W. F. Egan	Request inform as to aprs needed for radio instln. W. Fwd S&A 12/3 To W F Egan-has no inform available 12/3

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Number.	Date.	From or To—	Subject.
592996	11/1	To S&A 90489	Reqst shipmt of material from Washn to Navy Dept W
593662	11/3	To Comdt's yards -Stations	Reqst monthly Radio reports be forwarded W
594238	10/31	R. Smith. CANCELLED	Request radio catalog. W.
594237	10/28	G. Schneider CANCELLED	Request radio catalog. W.
594412	11/4	Pacent Elec.Co.	Fwds radio jacks to test shop for test. W.
CARD 292		Pacent Elec.Co.-Rqst type numbers 11/22 W. To Pacent Elec Co (T) appvd To Deforest Radio T & T Co 11/23 Gives inform 12/7	To Washn test of jacks autnd 11/8 11/7-Report will be made upon completion of test 11/8 Washn. 11/2-Returns letter from Pacent Co. W
594508	8/31	Guam	Request blank forms listed befurn. L

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L("L 1921

Number.	Date.	From or To—	Subject.
593909	11/5	To All Fleet	Fwds plans listed rel radio equipment W
594470	11/8	To S&A 797	Gives inform rel obtaining of specens, plans etc in connection with radio and sound material from Bu Eng W Blue prints, etc. are wanted by prospective bidder. S&A- will prepare post card addressed to office named in schedule for distribution of prints to be mailed with each bidding set in case prints 11/14 R-W. 706
595028	11/7	Phila. 919	Fwds special report on consideration pertinent to operating of radio compass equipt on large metal hull vessel. W.
595081	11/11	Jones Elec. & Radio Mfg. Co.	Request CO. be considered when purchasing radio and electrical equipt. W.
595174	11/2	G. B. Ellis	Request list of radio apprs available for sale. W. Fwd S&A 11/12
595194	11/8	Washn.	Fwds drawing RW 46-A- 647-A. W.
595203	10/25 11/8	Destry Dpd. Navigation	Request books listed be furn on radio apparatus. W. To Atlantic Fleet- Fwds booklets 2/13

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APPARATUS 1921

Number.	Date.	From or To—	Subject.
590009	10/11	Ports	Request radio vandykes listed be furn. W. To Ports Fwds prints 10/15
590243	10/12	GE Co.	Writes rel to contract for certain radio device which is unsatisf to Co. W. To GE Co- Gives Inform 10/15 To GenElec Co- Gives inform rel material 10/2 GE Co. 10/29 W
	GE Co. 11/17 W. ? 12/15- Memo of conference with representative of GE Co. Westg.Co. Wireless Spec.Co. Radio Corpn rel to patent clauses in contracts for radio material. W. 896-		
590495	10 14	C. A. Macgowan	Request mailing address for monthly radio report be changed. W.
589876	10/15	To Washn	Reqsts listed books be fwded to bureau W Washn 2/8 W.
589877	10/15	To Phila	Reqst vandyke of latest revision of RL 69;F 170 be fwded W Phila- 10' coil with direct control-fwds vandykes.10/25 W.
590876	10/17	Boston	Request special radio reports listed be furn. W
591390	10/19	Hammond Labr.	Will bring to Washington a 3/4 KW tube set lists material required for test. W. To-- Ask when set will be ready for delivery to Washington yard 11/10
589812	10/19	To COSs Comdts- Stans	Fwds plans of listed indexes forming part of the Co-ordination system W To Boston Fwds reports 10/25 Chasn-prints recd-10;25-W

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Number.	Date.	From or To—	Subject.	
590936	10/20	To Pug Snd	reporting of 1922 projects in Monthly radio reports- W	
592084	10/21	Atl.Batlshp Force	Request description with prints and instrns for all radio equipt comprising standard destry instln. W. To Atl Fleet Fwds Plans listed 11/9 Atl.Batlshp Force- Listsprints recd. 11/12 W	
592085	10/21	Atl.Batlshp Force	Request pamphlets prints and operating instrns cov standard battleship radio equipt. W. To Atlantic Fleet- Fwds Plans 11/5 RB 11/18 W To Atl Fleet- Fwds print 11/19	
592570	10/24	Washn.	Fwds prints and vandyke of drawing RW 48-F-178-A W	
592746	10/21	Pug Sd.	Fwds special radio reports. W.	
592814	?	W. C. Ingle	Request copy of catalog W. To S&A- Fwds correspondence 10/31	
592815	10/25	W. Messer	Fwds copy of radio catalog. W.	
593024	10/26	Ports	Request copy of monthly radio report for August. W To Ports- rel receipt of monthly report 11/5	

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Number.	Date.	From or To—	Subject.
580161		SEE CARD 284	To 8 Dist- Gives comment rel upkeep of material 10/4 W To S&A confirms telephone conversation 12/3
588161	10/5	To Washington	Fwds Vandykes- Transmitting vacuum tubes- W
588162	10/5	To Phila	Reqst vandykes- copies of latest revision W Phila 10/21 Auxiliary radio room. Fwds print W
588163	10/5	To NY	Reqst tracings be forwarded Annapolis W N.Y.- Lists tracings fwds to Exp.Sta. 10/14 W

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Number.	Date.	From or To—	Subject.	
588158	10/5	To S&A 8930 SEE CARD 286	Reqst shipmt of booth from Phila to SO RB 11/12 W	NY W
589277	9/30	Pacf. Destry Sqd.	Request be placed on mailing list for monthly radio report. W. To Squad 5- Gives Action 10/15	
589534	10/7	C. J. Henschel & Co.	Request drawings cov antenna tuning units and transfer switches. W.	
589586	10/11	To Washn	Reqst cc of latest revision of plans listed W Washn-Lists vandykes fwded to Bur. 10/19 W	

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Number.	Date.	From or To—	Subject.	
585384	9/13	Y&D	Former receiving ship barracks- Bayridge Brookln.-Rqst instrns rel to disposn of radio apprs. W.	
		Navy Sup Depot- 9/27 W. To Key West Reqst inform as to plate data W 10/25 Key West 11/8 W 3d Dist. 11/18-Copy action to Navy Sup Depot- W. S&A 12/5 W	To S&A Reqst shipmt of mat from Brook to SO Brook 8797 9/19 RB 2/4 W. To S&A Reqst shipmt of mat from SO Brook to Key West 8809-9/21 To O-I-C Brook- Reqst Inform 9/24 RB 10/20 W Nav Sup Depot-Fwds change sheets- 9/26 W	
585742	9/5	Carroll Iowa, Pub. Libr.	Request publications on radio. W. To Durell T Mason-- Gives Action 9/22 To Sadie R Stevens- GivesAction 9/22	
586296	9/22	To NY	Reqst print- W of monthly radio reports W	
586925	9/15	C. Bloom	Ask if radio sets can be loaned to the DeWitt Clinton High School, N.Y.City W. To-- impossible to loan apparatus 9/24	
587216	9/27	To S&A	Fwds cc of shipment and mailing addressed to naval Radio Stations in 5 Dists- W	
587340	9/26	Washn.	Fwds prints of drawing #RW-48-F-204-a	W
586668	9/28	To Phila	Special reports- Numberinf of Gives instrns W Phila- Fwds special reports on wave fronts variations and test of compass instlns. 10/13 W Phila- 11/29 W	

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Number.	Date.	From or To—	Subject.
587227	9/29	To William F Gries	Fwds print of various types of insulators W
587692	9/30	To NY	Reqst print W N.Y. Fwds vandykes. 10/14 W.
69 587961	9/29	Washn.	Fwds specifications RW-13-A-115-C also vandyke and prints. W. To Nerf-Gives instrns 10/1
588054	9/26	Chasn.	Calls attn to condition of apprs on Naval vessels visiting yard in need of repairs evidently experimented with by operators. W. Pacf. Fleet- Comments on condition of radio apprs on various vesels. W. To C-i-C Atl- Pacific Fleets- Reqst comments W 10/12 Atl Fleet-Copy action to Battle shp Force 10/17 W
588028	10/1	To C&R	Fwds Vandyke rel instln of radio sound booth W
588031	10/1	To MI	Reqst Vandyke and print be forwarded W MI- Fwds addtl reports. 10/19 W.
588158	10/3	To Phila (T)	Wire condition double lefthand standard height booth in APA account W Phila-T- Booth complete and in good condition. 10/4 W. Navy Sup Depot-(T) Booth in good condition. 10/4 W To Brook (T) Reqst condition of W
588463	10/3	Cory & Son.	Request drawings cov antenna tuning inductance and condenser unit. W.

Number.	Date.	From or To—	Subject.
581480	8-20	To Fleets Operations	Description of radio installation on ships for aircraft W. BUCHANNON 9/13 W.
581496	8-20	To Chas. Speaker (T)	Carry out instructions- report test shop Monday power outputs mentioned in memo satisfactory for acceptance W N.Y. Office- Unable to deliver telegram. 8/20 W
581872	8/17	MI	Fwds description of radio instln on vessels assigned to Iard. W.
581966	8/18	Hon. C. W. Ramseier	Request inform for radio be sent, Don. Rayner. C To 8/26 C
582294	8/22	W. F. Grimes	Reports on visit to various manufacturers and ships Aug. 1, to 17. W. To CO ROCHESTER comments. 8/26
582189	8-26	To Flts M.I. 12th Dist PCCS	Inspection of radio instaln by Bureau representative W. MI- 9/23 W. Fwd MI Io/1
582198	8/30	To Washn	Reqst Vandyke and two blueprints of revivisio n be forwarded W Washn- Fwds prints. 1/3 W

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Number.	Date.	From or To—	Subject.
583156	8/25	Mare Isl.	Intra-Fleet transmitter- request drawing of. W. To MI Fwds Prints 9/1 MI- Rept reply to letter of 8/25 9/26 W To MI Fwds Vandyke 10/7
583204	8/23	GE Co.	5 and 15 KW 10,000 volt sets- are developing- gives description. W GE Co.- Gives quotation. 8/30 W
583308	8/29	Washn.	Fwds prints by messenger. W
583427	8/23 8/25	Quincy Ill. Boy Scouts Hon. E. J. King-	Asks for radio apprs. C. To- Honorable E J King- not authd to loan mat 9/3
584424 5	9/1	Bureau Standards	Honeycomb Denuo-Lattera coils - asks if being adopted for standard use. W. To-- Bu not considering use of type of coil listed 9/15
584493	9/10	To U S Geological Survey	Ack receipt of maps listed W
584492	9/9	To H C Petty (T)	Ask if two kilowatt- gen will successfully carry load of power W
584832	9/6	Pacf Fleet	Request standard plans for file of Commander in-Chief- W. Pacf. Fleet. To C-I-C Pac Fleet- Fwds Plans 10/8

Number.	Date.	From or To—	Subject.
576686	7-27	To Comdr Furlong Ordn	Acknow receipt of radio reports. W
577483	7/25 7/26	N. Perles Communications	Request old radio apprs be furn. W. To 7-30
578686	8/1	Ens. W. J. Leidy	Request pamphlets etc covering developments W. To--Have no pamphlets. 8/8 W
577859	8-3	To Comdts Fleets Atl. Bat Shp force-Rqst info rel operation of TC transmitter on board MISSISSIPPI. 10/14 W. Fwd Pacific Fleet 10/22 RB 11/22 W Fwd Atl Fleet 12/10 To Pug Snd gives comments 12/13	Inspection of radio installations upon completion of work at yards W Ports- Copy action to 1st Dist. 8/8 W. Ports- 8/12 W. Ports- 8/17 W. Pug Sd.- Suhm report with prints. 9/6 W. Pearl Harbor- Report cov radio repairs on ~~de~~ destroyers. 9/19 W
577779 CARD 297	8-3	To Fleets Comdts	Inspection of radio instaln made at yards W Pacf. Destry- 12/13 W Pacf. Destry- 12/27 -Report cov radio work performed on destroyers listed. W Pacf. Destry- Report of work done on BALLARD GREVE SHUBRICK. 12/27 W.
578281	8-3	To Comdt New York	Rqst vandyke copies of revision of drawings. W N.Y.-Fwds vandyke. 8/16 W.
578912	8-4	To Comdr Lavender T	Comdr Hooper will be available for conference Saturday forenoon W

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Number.	Date.	From or To—	Subject.	
579285	8/5	Radio Mfg. Co.	Calls attn to ability of Co. to furnish radio apparatus. W. To S&A 8/18	
579944	8-12	To N.Y.	Asks number of sheets of tracing cloth in stock W N.Y.- Gives supply of tracing linin on hand 8/23 W. 534	
580346	7/5	Dept Agriculture	Ask if Bureau has any radio equipt which could be transferred to Dept for Bureau of Market News Service. W.	
580371	8/10 CANCELLED.	R. C. Wood	Request data in conn with pay of commercial radio operators. W.	
580160	8-13	To Comdt Cavite	Radio telegraph- radio coordination system fwdg cop yo f S To P.H. 8-25	
580161	8-13 To NO (T) Gives shipping instrns dc S&A 9/12	To Comdt 8th Dist	Supplies- radio telegraph- reqst info covg. W New Orln- Elec shop will be turned over to Dist. radio officer, 8/23 W. To NO Gives instrns 8/31 New Orln- (T)9/9- Rqst S&A arrange to set aside radio stores for 8th Dist. W.	
581 New Orln-recommends retention of radio material for use of dist 9/13 W Fwd S&A 9/20		RB 10/1 W		
580490	8-16	To Comdt Washington	Reqst vandyke and copies of special report be fwded Bureau W Washn- Fwds vandykes and blueprt cov special report on test of German insulators. 8/26 W	
580829	8-17	To Radio Corpn.	Asks rel visit of Bureau rep to stations. W Radio Corpn of America-8/18 W	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
574782	7;7	C.DeCarlo	Letter via White House reqting radio apparatus be furnished.W To 7/16 Fwd S&A 7/16	
574761	7;12	Dept Rewrote	Fwds letter from G.H.Clark submitting claims covering beneficial suggestions made by himself and Capt G.Hill.W	
574630	(old) 7/15	15th Dist	Report rel to functions of arc transmission compared with actual key operation. W.	
573895	7/13	To Navigation	Radio personnel- instruction of- Gives recommendations. W	707-11
573844	7-15 To Pacific	To Pacific Fleet via Naviation Fleet via Nav- 8/17	Radio telegraph- examination of radio personnel.W To Atl Fleet 7/15 Navgn.-Fwds letter from Pacf.Fleet calling attn to limited qualifications of radio personnel of fleet. 8/10 W.	
575936	7;16	C.R.Wall	Ask if surveyed apparatus can be furnished.W fwd S&A 7/21 To CR Wall- 7/21	
576027	7;16	Hon.W.H.Newton	Suggests Bureau provide sending and receiving set for sailors in hospital at Minneapolis.C&W To 7/22	
575181	7-20	To Comdt Washington	Fwds yandyke and bprints, type SE 1696 grounding clamp for models F M and R single sound proof booths. W	
575184	7-20	To Western Elec Co	Reqst permission for Bureau representative to visit stations Long Beach andAValon. W Western Elec Co-7-21.W American T/T/Co.-Extend invntation for Bureau representatives to visit stations.8/9 W. To 8/17	

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Number.	Date.	From or To—	Subject.
576563	7.20	Westinghouse E&M Co	Fwds copy of catalogue of elec supplies listing new apparatus.L&W Westinghouse E&M Co-submits list of new apparatus-7.20-W
576939	7/8 ? 7/23	D. Clark White House Communications	Comments in conn with gravity method of telegraphy submitting claim for compensation. W. To D Clark 8/3 Duncan Clark -Further details.10/15 W.D. Clark- Gives detailed comments on his methods of wireless telegraphy. 8/8 W. To-- Reqst inform 10/5
576932	7/6 7/22	J. S. Snyder S&A	Request pamphlets rel to wireless apprs. W. To J S Cryden 8/1
576996	7/19	Pug.sd.	Fwds calibration data Destry Div. 31. W.
576040	7/22	Washington	Fwds vandykes and prints of drawings listed. W.
577039	7/22	Washington	Fwds vandykes and prints of drawings listdd. W.
577360	7/26	Weston Elec.Instr.Co.	Request specifications on trial experiments. W. To Weston Elec Ins Co 7/30

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[OVER.]

Number.	Date.	From or To—	Subject.
569629	6/13	Ship Board	Fwds copies of extracts from London Times and Lloyds, rel to use of wireless telaphthy. W
569632	6/7 6/13	Bd Survey Phila. S&A	Fwds request of L.K.Brown for purchase of radio apparatus. W. fwd S&A 6/16
569977	6-17	To Inspr F.R.	Fwds vandyke copy of drawing W To Inspr Phila 6/17
570341	6/17	Eagle 46	Request monthly radio report be removed from mailing list for Eagles listed. W.
570744	6/18	Nav. Academy	Acknowledges receipt of monthly radio reports. W.
570656	6-22	To CO's	Fwds forms W RB Chaser 198, 6/24 W. Indian Head,-Fwds description of radio instln.?W GGrt Lakes- Fwds form filledout. 9/12 W
571461	6/23	Norf. Problem	Fwds article on practical books for radio engineering by H. E Hallborg. W. Fwd Dir intelligence 7/2 RB 7/8 fw Hallborg 7/11
572223	6/27	Prof. L. A. Doggett	Fwds report on coordination of audibility and full strength measurements by Austin and Vallauri. W. To Prof Doggett 7-8

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Number.	Date.	From or To—	Subject.
572186	6/30	To Thomas Ewing (T)	Comdr Hooper will confer with you Friday morning W
572442	7-1	To Comdt N.Y.	Reqst vandykes of revision of drawings be fwded Bureau W NY-fwds VanDykes-7;9-W
572443	7/1	To Comdt Boston	Reqst vandyke copies of revision of revision of drawing be fwd Bureau W Boston-fwds VanDykes of antenna switch for sending and receiving-7;7-W
572669	7/2	To Mr A Press War Dept	Ackreceipt of Paper " The Wave Length relation for Progressive Wave Generation Along Antennas 7/2 W
573522	6;30	G.R.Carter	Ask if can purchase obsolete transmission outfits from Bureau. W fwd Bd Survey S&A 7/9 To Independent Wireless Tel Co- 7/11
573286	7-7	To John Firth	Acknow receipt of data on Austrian radio apparatus. W John Firth & Co-submits quotations-7;12-W To J Firth 7/21
573625	7-8	To Comdt Wash	Reqst for extra copies of reports on radio research problems- W
574368	no date	H.B.Farrar	Reqt price list of radio equipment.W fwd S&A 7/14 To H.B. Farrar- in re radio equipment W 7/14
57q			

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[OVER.]

Number.	Date.	From or To—	Subject.
565798	5-27	To Insprs	Fwds vandyke copy of drawings W Inspr Tacoma-7;16-W To Inspr Tacoma- 8-19 inslt cruisers 4-5-6 copy Puget Sd. Shipt order from Todd to Puget Sd 8/22 8596 RB 11/22 W.
566555	5/15	Washn.	Fwds monthly report rel to coordination of radio work. W.
567008	5/26	A. K. Ranson	Fw s pamphlets and descriptive matter cov achievement of Tredeau Sanatarium in conn with Navy furnishing apprs for instln. W. To 6-2
567448	6/2	Norf	Fwds article and practical books on radio engineering for publication. W. fwd Inteligence 6-7
567491	6/2	Radio Service and Mfg. Co.	Request name be placed on list of manufacturers of radio and electrical equipt. W To 6-4 fwd S&A 6/4
567316	6-4	To S&A	Reqst shipmt of radio material from Washn to Mare Island W 7555 RB 7/12 To M.I. fwds data 6-6 M.I. 7/1- in re primary standard wavemeter W To Comdt M.I. 7/21 To MI- Asks what steps have been taken to check wave lengths 4/15 W MI 4/27 L

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APPARATUS 1921

Number.	Date.	From or To—	Subject.	
567809	6/1	MI	Ask if Bureau desires to cell spare parts for radio sets to private interests whose vessels are equipt with Navy apparatus. W. To M.I. Tel 6-6 To M.I. 6-8	
567369	6-6	To Island Tel	Where Navy radio [illegible]	
567326	6-6	To Phila	Reqst vandyke copy of drawing be furnished W Phila- Assembly and instln instrns radio compass for PENNSYLVANIA- 6/11 W.	
567317	6/4	To Comdt Boston	Visit of G.E.Co engineer to Boston yard to inspect radio apparatus of battleship Divn five W	898
568724	6/ 8	War College	Request Bureau discontinue fwding monthly radio report. W.	
569245	6/7	11th Dist.	Request be placed on mailing list for monthly radio report. W.	
569228	5/5	CO HART	Fwdes receipts for confidential monthly radio reports, W.	

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Number.	Date.	From or To—	Subject.
563639	5/12	Weston Elec. Instr Co.	Request sets of supplement showing type number of various radio instruments. W To Weston Elec Ins Co 5-17
563567	5-14	To Washington	Reqst for vandyke and bprints. W Washn- fwds prints of risistor. 5/27 W.
563978	5/14	Commercial Tribune Co.	Rqst be favored with series of articles on radio for publication. W. To 5-20
564027	5/13	Nav. Sup Depot,	Rqst copy of experiment specifications for radio apprs be furn. W. To NSD Brook fwds 5-19 W
564106	5/13	Hon D. Elkins	Rel to desire of a constituent for securing radio outfits. CW. To 5-16 advise commun with Bd Survey W ~~Xxxx 5/18x~~
564221	4/28	A. E. Parson	Will be in Washington latter part of May - will call with reference to radio instln. W.
564252	5/16	E. Lennert	Ask if possible to measure distance of radio station by device explained. W. To E. Lennert- 5-19
564292	5/11	W. R. Wood	Rqst place name on mailing list for monthly radio report. W.
564000	5-17	To Naval Commun Publicity	Publication of article by Lt Comdr C.N. Ingraham on radio communications W

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APPARATUS 1921

Number.	Date.	From or To—	Subject.	
563998	5-18	To Intelligence	Reqst translation of article W RB 12/1 W	
564016	5-20	To Secty	Radio telegraph- permission for G.E. Co's engineer to take passage on PENNSYLVANIA. RB 5/28 W.	W
565567	5/29	Dept Publicity	Authorizes publication of manuscript entitled "Radio Communication" by Lt.Cdr.C.N.Ingraham. fwd Sec Annpolis via Intelligence 5/26	CW
565860	5/24	Crocker Wheeler Co.	Request specifications cov tubes for radio work. W. To Crodker Wheeler Co 6-4	
565670	5-25	To Comdt Mare Island	Reqst vandyke and bprints W. MI- Fwds print of addion battery rheostat.	6/2 W
565039	5/17 5/24	MidShipman F.B.White Navigation	Request pamphlets containing description of radio apparatus. W. To Naval Acad via Nay- cannot meet indiv reqst- will fwd for use Library of Acad	6/17
566128	5-27	To IM's Comdts Flts	Tunes for naval vessels- estimates W	

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APPARATUS 1921

Number.	Date.	From or To—	Subject.
561188	5-3	Comdr S.C. Hooper	Reqst permission to publish articly on radio W fwded Intelligence 5/3
547630	from Card	275	Annapolis Sta. 5/2 W.
		Annapolis-7:11-W	Annapolis- Copy action to Washn. 5/10 W
		To Comdts Com PCCS Fleets- 7/20	~~Washington-5/12--Lists defects.~~
		M IS-fwds monthly operation logs-7:16-W	N.Y. 5/12 W.
		MI- Fwds correspondence and log-7/20 W	Mare Isl. Monthly operation report.5/13 W
		MI- Fwds comments. 7/20 W	fwd MI 5-18 RB 6/21 W
		Pearl Harbor- Report on operation.7/19 W	15th Dist. 5/7 W.
		MI- 7/26 W.	Annapolis Daily reports. 5/18 W.
			Annapolis Stat- Daily reports. 5/26 W.
			Washn- Fwds report of daily operations at Annapolis. 6/1 W
			Annapolis Sta. 6/7 W.
			N.Y. 6/7 W.
			Annapolis 6/1 W.
			15th Dist- Report on arc operation. 6/3 W.
			Washn Subm reports. 6/14 W
			To Comdts IM's Commun- oprn of arcs at high power stas during period of non signaling 6/16
			Annapolis Sta. 6/18 W
			Mare Isl. 6/15 W.
			Mare Isl. 6/16 W.
			MI 6/21 W
			Pearl Harbor-report of test-7:24-W
13884-140-W	3/23/21	Eng C.O.St Louis	Radio Telegraph-Monthly Radio Report-Confidential Nature of.
561185	5-7	To Comdts IM's	Reqst Anacostia and Bureau of Standards be placed on mailing list for monthly radio report W

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Number.	Date.	From or To—	Subject.
562976	5/9	J. H. Mitchell	Ask if Bureau will furnish bulletins regarding radio instruments and developments. W To J.H. Mitchell 5-17
563034	4/26	Pacf.Mine Force	Lists monthly radio reports destroyed by burning. W.
563090	5/7	Navigation	Rqst monthly radio report November 1920 be furnished. W. To Nav 5-12
563186	5/10	A.C.Dillingham(Dept Dept Public Safety Norf.)	Rqst inform rel to sale of radio sets to police Dept. W. To 5-13
562319	5-11	To Comdt Washn	Reqst for bprnts and yandyke W. Washn. Fwds prints showing antenna for Arlington Sta. 5/23 W.
563053	5-10	CIRCULAR A-15 B-9	Radio telegraph- radio equipment stolen from ships and stations WM Bur Circular- Directs special effort be exerted in conn with inventory of radio apprs to prevent theft of. 5/10 W
563401	5/7	Mare Isl.	Fwds description of radio instln on various vessels. W.
563398	5/11	Norf.	Fwds article by H. E. Hallborg cov practical talks on radio engineering. W. fwd Intelligence 5-19

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Number.	Date.	From or To—	Subject.	
553099	FROM CARD	276	Phila- Fwds list of radio equipt on hand. W. Chasp- Inform rqsted. 4/11 W. NY-4;28-W Norf. 5/3 Fwds correspondence. W. Pug.Sd.- Subm report. 5/26 W.	4/12 W
556217	4/13	To Dir Communications	Fwds cc of Memorandum-Submission of memo for international Radio Conference W To Communications 5-11	
556847	4/15	To Bu Standards	Proposed method of transmission of radio waves-Reqst comment W RB-4;28-W	
557518	4/15	To CO Anacostia	Assignement of Radio Research Problem-Gives Instrns W	
558602	4/18	H. C. Huser	Rqst inform rel to obtaining radio apprs listed from Navy with price of. W To Gives inform 4/23 Fwd S&A 4 26	
557894	4/19	To Comdt's- DM Yards Supt Annapolis Navigation 5/3 W. Grt Lakes-Rqst equipt listed be furn. 5/11 W fwd Nav 5-23 Cavite-6;8-W To Cavite- 7-14	Recreational Facilities Suggests maintenance yards endeavor to have their shore radio stations equipped with authd recreational allowance as far as possible during fiscal year W To Comdt's-Yards Cancells multiple let 4/19 no addnl recreational allowance can be made 4/28	

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Number.	Date.	From or To—	Subject.	
559614	4/27	To Pug Snd	Ack receipt of monthly radio report W Pug Sd 6/14 W	
559628	4/27	To Phila	Gives lists of data obtained from reports-Cost of repairs of surveyed radio material W CROSS CO Descrespancy between estimated and actual cost W CROSS -689-15- 600-3 To Phila Reqst inform as listed 5/3 To Phila-- Rel cost of repairs to material 6/9	
560060	4/27	To Bu of public Roads	Dept Agriculture no pamphlets issued on advantages of continuous wave transmission or allied radio subject W	
560403	4;27	NY	Request instrns specns listed be fwded.W To SO NY Fwds cc specens 5/3	
561207	4/30	P. S. Fox	Ask if can purchase wireless apprs. W fwd S&A 5/4 To 5-4	
556209	4/13	To Navign	Radio apparatus on Vessels- Request inform 635-3 re to apparatus for personal of the Naval reserve force -W	
561704	5/3	Dillingham ,N.Y. (T)	Police conference -ask if Navy has any radio sets for sale. W. To NY City Tel 5-4	

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Number.	Date.	From or To—	Subject.
554141	3/26	Hickok Elec. Instr. Co.	Request specifications cov instruments used in radio telegraph. W To Hickok Elec instrument Co Fwds cc Specen 3/30
542326		SEE CARD 274	To Earl C Hanson Disappvd- investigation to be made 3/30 To MI Gives instrn re investigation 3/30 E. C. Hanson 3/31 W MI 4/28 W. To E.C. Hanson- 5-11
554114	3/29	To Norf (T)	Radio research conference postponed until 4/8 W
8 554682m	3/30	Norf.	Fwds copy of articon on practicable books on radio engineering submitted by H A. Hallborg. W Publicity Fwd Dir intelligence 4/2
554132	4/1;	To IM NO	Assignment of coordination letter-Monthly report W
553105	3/30	To Inspr GE	Reqst in future all contrs correspondence 629 or true copies relating to design alterations Acceptaon or rejection of radio app be fwded with comment to insp concerned W
554852	4/2	To Dir Intelligence	Reqst there be purchased cc of Funkentelographic fur flugzeuge" by Erich Niemann- W

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Number.	Date.	From or To—	Subject.	
~~554882~~	4/2	Fwd Intelligence	Article for publication VOID	
555373	3/28	Pug.Sd.	Apparent error in Bureau's monthly radio report of 1/1- calls attn to. W. To 13 Dist- re Error in monthly report	4/11
554864	4/4	To IM NY	Reqst be furn with monthly report W N.Y.- Fwds monthly radio report for Dec.	4/9W
555709	4/1	C. Speeker	Request authority to subm to institte of radio engineers, paper entitled"Polophase Rectification". W. Fwd Dier Intelligence 4/6	
555837	3/31 Fwd S&A	F. G. Simpson	Request be placed on approved list of bidders for radio apprs. W. To-- Gives inform	4/12
555975	4/5	W. S. Cady	Fwds copy of abstract of paper on new methods for maintaining constant frequency in high frequency circuit. W. To- Ack receipt of copaper. To Annapolis Fwds paper listed	4/15 4/21
554741	4/8	To MI	Reqst cc of correspondence mentioned in let 2/24 of MI W NMisl.	4/16 W.
556206	4/12	To C L Farrand	Gives inform re possibility of securing position as civili n radio man at one of yards W	
556216	4/12	To Washn	Fwds Vandyke of plans listed W	

Number.	Date.	From or To—	Subject.
548597	1/30 2/24	Eng. N.BLDg Pacf. Fleet	Request final disposition of report cov system for instln of high power arc radio apprs in places involving use of long trunks W. To Pac Fleet Gives inform 3/15
548877	2/25	GE Co.	Ask if sample GE apprs listed shipt to WashnL for test will be returned. W. ~~GE Co be returned to works~~ To G E Co Gives detld inform 3/15 re material location 3/16 Washington 4/14 W
549833	2/26	Natl.Rsch. Council	fwd Comdt Washn. rel problem 64- W 3/1 RB 3-10 To Washn Regst listed property be // Fwds copy of letter from J. Malone of Australia, rqsting inform listed, rel to radio masters, be furn. W.
550223	3/7	Nerf. n	Fwds article entitled "Practical Talks on Radio Engrg", by H. E. Hallberg- ask if publica tion authorized W fwd Intel 3-10 :
13802-204W	2/7	Eng---Supt NA	Radio Telegraph- Secret and Confi. Publications. (Outgoing)
13802-204 W	2/7	Eng USS ARIZONA	Radio Telegraph- Secret and Confidential Publications. (Outgoing)
550749	3/9	Hammond Labr (A.F.Murray)	Request copy of manual on Nav.aircrft radio. W. To-- has no cc 3/19
550772	2/24	Pacf.Min Force	Subm list of monthly radio reports burned 2/23 W.

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APPARATUS 1921

Number.	Date.	From or To—	Subject.
550745	3-12	To Washington	Outlines procedure to be followed in conn with specfns for sheet insulating material W
551808	3/2	Bur Stand Labr. Publicity	Fwds article by A. Press rel to hysteretic generation theory of electro magnetic valves. W
552166	3/10 3/18	Miss J. Holmes Communications	Request inform rel to wirless telegraphy for thesis to be written. W. To Josephine Holmes no mat available for distribution W. 3/21
552373	3/16 3/18	Hall Elec.Co. Communications	Request inform rel to spark transmitters.W Fwd S&A 3/23
552648	3/23	To Dir Intelligence	Reqst cc of report W.
553527	3/24	G. W. Bean	Request inform rel to insulation also rqst status data on Cayey insulation for lecture to be given. W. To Mr Geo W Bean 4/13
553099	3/26	To Comdts-Navy Yards	Reqst be furn list of major items of radio equipment W RB 4/16 W. RB 5/7, New Orl. W Key West 3/31 W
to card 278	MI- Subm report. 4/7 W. Boston- 4/11 W		
554087	3/24	Hon. W. F. Stevenson	Fwds letter from M. E. Brockman asking if wireless outfit can be loaned to Schools at Chester, South Carolina. CW. To-- 3/29

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Number.	Date.	From or To—	Subject.
546156	2/10	Fleishman Co.	Request inform rel to use of wireless for commercial work and communication between various distant cities. W. To 2-19
545712	2-12	To Comdts IM's	Assignment of radio problem 106- "Investgn of means of reducing harmonics and mush at arc trans stations W Phila. 2/19 W To Phila 2-25 To M.Island 5-7 Pug.Sd. 11/29 W. To MI Commens on excellent report recd 7/28
545709	2-12	To Director Nav Intel	Reqst auth publish article "Determination of Atmospheric Distrubances or Static in Radio Telegraphy " by Dr. Austin W RB 2-15
546057	2-15	To Comdt Washington. MI Ph Anaces. Bur Stds CO's	Tube trans of all kinds except for use on airc rec equipment. Bureau manual data for. W To MI via NY- Bur manual 2-23
		Phila- Fwds data for recvg and power stg batteries. 4/12 W. Washn- Fwds data for Bureau manuel. 4/18 W MIS-fwds data for Bu manual-4;14	Anacostia- Fwds article on aircrft radio equipt prepared by Labr. 3/29 W. NY-Fwds notes covering administration of radio material activities-3;31-W MI- Fwds data for Bureau manual. W 4/1
546467	2-16	To Bur Standards	Fwds copy of paper by A. Press for comment W
548861	2/15	Norf	Fwds article by H. A. Hollborg entitled "Practical talks on Radio Engineering". W. fwd Intel 2-19
548375	2-28	To J H Hammond Jr.	Fwds bprint of report. W

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Number.	Date.	From or To—	Subject.
547113	2/16	Boston	Radio Rsch. prob. 19- report no progress on W.
547520	2/18	Koening Bros.	Rqst instrn books cov radio set. W.
		To Old Post Road Garage 3/15	To- Old Post Road Garage- 2-25 Koening Bros- Rqst info rel operation of set purchased. 3/10 W.
547041	2-21	To Wash	Enamel finish for metal cabinets and panels W
547624	2-21	To Boston	Verification of type SE 100 5B amplifer W RB 3-3
547630	2-23	To Comdts 1M's	Interference caused by High power stations of Com service due to arc trans functioning for long periods of time without being utilized for signalling W
		Annapolis- Fwds daily reports. 3/15 W	?? 3/16- daily reports. W
TO CARD 279		Annapolis 4/5 W	M1- Monthly operation log. 3/15 W.
		N.Y.- Subm analysis of cost. 3/9 W	Annapolis Station- Daily reports. 3/21 W
		Annapolis Sta. 4/14 W.	Annapolis-4:25-W
		15th Dist- Subm report recd from Darien 4/7 W.	
PH		Subm report on operation of arcs. 4/11 W	
548023	2-24	To BROOKLYN	Acknow receipt of confidentail publications F
548023	2/15	CO BROOKLYN	Fwds monthly radio report 11/1/19. W.
548369	2-26	To Comdt Mare Island	No copies available for distribiton W

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Number.	Date.	From or To—	Subject.
542326	1-25	To Mare Island T	Reqst fwd notebook containing notes of E.C. Hanson while employed under special contract on development of radio system. W
MI	1/25	Fwds note book of E.C. Hanson. W.	To E.C. Hanson- rel action taken 1-25
		To E C Hanson- 2-9-21 fwds.	
		EC Hanson-complains against naval auth at M is mutilating his radio note book-3:12 cross to 896	Mare Isl- (T) Book fwded by registered mail. 1/27 W
542329	1-26	To Naval Communications	Radio telegraph- bulletin published by D.C. S. Puget Sound- Recommends reduction in size, also distribution be restricted to radio stations within Dist and personnel concerned in maintenance and operation of same W. Communications- copy of action to 13th Dist. 1/29 W
542934	1/25	C. T. Major	Ask if possible to borrow films and slides of radio activities for annual convention at Phila. W.
	C. T. Major- 1/28	W.	To G T Major 1-27
13639-197	1/20/21	Eng--Comdts DCM'S	Radio Telegraph- Tunes for shore stations of the Naval Communication Service.
542827	1-26	To Boston T	Reqst info battleships buzzers installed W
			To NY Tel 1-26
			N.Y.- (T) 12 buzzers installed on PENNSYLVANIA & ARIZONA. 1/24 W
			Boston- (T) Laid buzzers installed on UTAH & DELAWARE. 1/27 W.
543759v	1/28	Communications	Copy of letter to Fleets rel to difficulty experienced with arc transmitters/ W.
544233	2/1	T. D. Messick	Request quotation covering district radio instruments offered for sale. W.
			fwd S&A 2-4-21
544459	2/2	Washington	Subm recommendations with estimates cov manuf of 12 KW arc chambers. W.
	Mare Isl. 3/30	W	
CARD	MI- Estimates of shipts which will be made. 6/3	fwd MI 2-12 W.	RB 3/21 with estimated. W
295	To MI- Reqst inform rel shipment cc Boston 1/4/22		To MI Auths man of arc chambers as est listed cc Washn-boston- IM NY- P H- San Juan 3/26

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Number.	Date.	From or To—	Subject.
543778	2-2	To Atlantic Flt T	Asks if 25 volt loud buzzers for radio room intercom battleships satisfactory- Bur must arrange purchase for Pacific Fleet. W Bar Harbor. Copy- 2/12 W.
544709	?	A. R. Zaucolli	Ask if Navy can supply certain wireless apprs for Boy Scouts. W. fwd S&A 2-8
544891	2/4	Washington	Request prints of 12 KW arc convertor be furn. W.
544610	2-5 2-12	To Anacostia W	Broadcasting tech bulletin to amateru radio stations- W To American Radio Relay League-rel bulletin which will be broadcasted for info amateurs
545309	2/4	J. A. Crowley	Ask if can purchase radio telephone receiving and sending set for M5-2 flying boat. W. fwd S&A 2-10
545416	2/8	Washington	Standardization of square type arc chambers recommendations and details cov. W.
545220	2-10	To Chasn	Reqst copies of radio reports be mailed to P.H. Tutuila Guam and Cavite W
545922	2/9	H. Cunningham	Ask if obsolete wireless apprs is offered for sale. W. fwd S&A 2-14

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[OVER.]

APPARATUS 1921

Number.	Date.	From or To—	Subject.
537793	12/31 Fwd Washn RB 4/2 To Inspr	Inspr GE cc Inspr GE 3/22 W GE 4/4	Subm list of material shipt to Washn.Yd which was loaned by Navy to GE Co. W. fwd Washn 1-14 4- RB 1-15 To Inspr GE 1-18-21
538589	1/4	Bur Stand.Rsch.Labr.	Shipt order from Wn to GE radio 1-18 5961 Use of word "Radio" and its dirivities- in conn with Roetgenrays and allied phenomens rqst instrns covering. W.
539885	1/5	N.Y.	Correction to wiring diagram of Morse hand key- fwds print. W.
485496	FROM CARD 257		Phila- Quarterly report. 1/6 W. Phila- 4/14 W
538779	1-10 CO PHIO 2/17	To CO OHIO W.	Reqst for bprints and vandyke Wn conn radio problem 70 radio synodynamic control W CO OHIO Fwds special report on design problem 70 1/19 W To CO OHIO 1-26
538780 Chasn. 1/14	1-10	To Charleston W	Fwds bprint, plan for coordination of work at yards for use in conn with numbering of all radio drawings W
539096	1/7	Lowenstein Co.	If bureau desires radio tupe number bulletin returned, search will be made in Co's files for same. W To 1-12

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Number.	Date.	From or To—	Subject.	
539313	1-11	To G.S. Davis T Tropical R T Co	Rel appointment on Thursday with Comdr H satisfactory.	W
540381	1-15	To Norfolk	Confirmation of phone conversation between Lt Comdr Kaufman and Lt Comdr Ridgely of yard Norf rel instaln of radio arc set on the HAWK EYE STATE. W Norf- Fwds photos. 2/7 W.	
540715	1/14	Grt Lakes	Fwds suggestions by Chief Electrician W.R. Daniel, rel to propogation of undampt waves. W To Comdt 9th reqst further info 1-22 **To Comdt 9th Dist- 3-1-21**	
		Grt Lakes- Fwds letter from W.R. Daniel giving dese-ription and diagrams of apprs for propocation of spiral shaped undampt waves. 2/8 W		
541833	1/16 1/21	J. R. Nohnson Communications	Request list of books, bulletins, etc. published for use of Navy, also list of instruments, etc. W. **To J R Johnson 1-31-21**	
541784	1-22	To Comdt 9-10-11th	Reqst for pamphlets. W	
541966	1/21	Dutilh Smith MacMillan	Request information rel to quality of apparatus manufactures by E. Simon. W. **To Dutilh-Smith-McMillan Co. comments 1-27**	
542048	1/5 1/22	N.Y. Dept	Fwds monthly radio reports marked confidential - ask if will so consider. K To N.Y.- 1-25	
541215	1-24	To Comdts IM's	Reqst Expr Sta be placed on mailing list for copy of radio report compiled by yards W	

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Number.	Date.	From or To—	Subject.
534814	12/15	To Mare Island	Reqst for reports W Mare Island 12/22 W.
534818	12-16	To Washington	Authorizes mfg of radio trans apparatus for force tune apparatus. W Washn-12;23-W
535357	12/14	P. Hillagas	Request inform rel to radio apprs offered for sale. W Fwd S&A. Paul Hillegas reqst info rel sale of radio apparatus by Dept W 12/20
535560	10/5 12/17	BdSurvey 3d Dist S&A	Subm list of radio material with recommendations covering selling price. W. Fwd S&A 12-27
535538	12/17	Lowenstein Co.	Request thesis by L. Fuller on electrical arc for producing high frequency oscillations be loaned. W. To 12/22
535896	12/4 12/17	CO IDAHO Navigation	Request publications listed be furn for radio classes. W. Fwd Dir communications 12-23 To Com Gives inform 12-23
535658	12-22	To Washington	Design problem 123- class B determination of suitability of current transforming circuit for Coastal arc stations W Washn-Fwds report on suitability of current transforming circuit for coastal arc stas. 1/18 W
537697	1/4/21	To Marine Corps	Advise in re radio apparatus needed for the M.Corps. W Marine Corps—Not desireable to secure any more sets of present type. 1/28 W

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Number.	Date.	From or To—	Subject.	
531396	11-24	Washington	Reqst info as to antenna constants of vessels on which modified 2 kw Fed arc trans will be used W	
531147	11-27	To Firms	Suggests fwd sample of laminated insulating material for test to radio shop Washington yard W	
		Redmonol Chemical Co. Ask if test of formica compounds satisf. 12/3 W	Continental Fibre Co.- 12/3 W	
		Formica Insulation Co 12/3 W	Diamond State Fibre Co.- Fwds condensite. 12/3 W	
		Formica Insulation Co- Fwds sample 12/1 To Wash 12/30 RB 2/15 W	Continental Fibre Co. 12/31 W.	
532348	12-2	To Inspr G.E. T	Notify Edwards rel conference- asks if can be present W	
		To Inspr GE 12/7	To Inspr GE confirm of telegram 12/4	
			Inspr GE- (T) Conference in NY 12/9 satisf. 12/3 W	
			nspr CE- 12/3 W	
532101	12-2	To CO OHIO	Reqst fwd drawings and photos	W
		CO OHIO 1/12 W	CO OHIO Fwds drawings. 12/13 W	
		To Phila 1-19-21	Phila- Fwds various drawings. 12/14 W	
		Phila- Fwds photos. 2/4 W.	To CO OHIO- reqst fwd drawings 1/6	
		Phila 2/18 W	CO OHIO 1/10 W To Phila 2-25-21	
532102	12-2	To Phila	Reqst fwd drawings	W
532352	12-3	To Washington	Fwds print, revised classification W	
532293	11-29	W. Russell	Asks if govt radio apparatus is for sale W fwd S&A 12/6 6	
532602	12-9	To N.Y.	Reqst bprints of revision of drawings listed W	
			N.Y. Fwds prints 12/16 W	
533616	12-11	To Wash	Reqst addtl vandyke copy of drawin gW Washington 12/17 W	

[OVER.]

Number.	Date.	From or To—	Subject.	
525925	10-27	A.H. Grebe	Are in position to manuf radio apparatus of all kinds; W fwd S&A 11/5 To A.H.Grebe 11/5 A. H. Grebe- Request be given opportunity to furnish apprs. fwds phptos. 2/4 W. fwd S&A 2-12.	
525859	10-23	W.H. Pancost	Ask if can secure certain radio apparatus for experimental work; W fwd S&A 10/29	
525729	10/30 To Comdt M.I. 11/15	To LM's Comdts	Fwds revised classification numbers for radio drawings Chasn. 11/4 W. Mare Island- Request vandyke revised list for classification of radio drawings. 11/6 W	W
525059	10/30	Fwd C&R	Rel alterations to work on destroyers W approval	W
526243	10-27	Precision Equipment Co	Ask if can obtain power tubes for radio transmission for experimental purposes; W To 11/4	
526362	11-1	To Fed Tel Co T	Bur decision rel five kilowatt arc sets not yet made R.P. Schweirn: (T) request Bu advise if their bid for 22, 5 k.w. set will be entertained; 10-29; W	W
526927	11-2	Wash	Fwds vandykes of drawings listed; W	
528261	11-12	To Anacostia	Assignment of radio research problem. 91W Anacostia- Fwds letter from J. H. Burnell & Co. submitting quotation on radio apprs. 1/13 To Anacostia. 1-18 918 W	

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Number.	Date.	From or To—	Subject.	
527033	11/1	Phila.	Request addtl rates of radio bulletin be furnished. W Phila-11:24-W To Phila 12/6	15-A
527350	10/30	Mare Island	Fwds description of radio apprs installed on vessels ARCOSTOOK FARGUAR and SEAGULL and THOMPSON. W.	
527456	11/4	GE Co (T)	Battlship sets will be ready for test 11/9 W.	
525286	10/25	Fed Tel Co	Fwds chopper report from steamship VENTURA: W	771-2
527865	11/1	A. Tragner	Fwds description and vandykes showing use of antenna safety links on vessels. W. To Dept- 11/29 RB 12/2 authorizing payment of $250. W.	
528160	11/8	Fed. Tele. Co.	Fwds instrn books. W	
528257	11-11	To C&R 725	Reqst expedite delivery of new ventilating sets for instaln on battleships. C&R-11:24-W	W
528260	11-12	To Major F.J.Behr Radiodynamic Torpedo Unit	Cannot supply reports as reqstd W	

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Number.	Date.	From or To—	Subject.
501742	FROM CARD 261		Washington- Characteristics of elec power supply, Annapolis Sta. 10/4 W. 920-1.
	Pearl Harbor- 6/3 W		
	fwd Commun 6-25/21		
	fwd Commun 7/5		Washn- Characteristics of elec power supply at Arlington Sta. 10/4 W.
	To Dir Communication Gives inform 10/22/21		15th Dist- 10/4 Subm report on characteristics of elec power supply. 10/4 W.
	To NO (T) Ask when map radio station will arrive 10/21		Guam; comments with prints on reliability of electrical supply; 10-27; W
CARD	To Pug Snd (T) Ask when Data will arrive 10/21	To	Commun 3-12
292	To NY (T) Ask when data and maps will arrive 10/21		To Dir NY Reqst maps or prints be furn 3/17/21
	N.Y.- (T)-Data and maps to be mailed 10/25. 10/24 W	To	Pug Snd Reqst maps or prints 3/17 N.Y. 3/24 W.
	N.Y.-Fwds vandyles of various stations with reports on characteristics. 10/27 New Orln. 10/28 W		Pug.Sd.- Fwds prints. 4/2 W.
			San Juan 4/14 Subm addtl data. W.
			fwd N.Y. 5-9 RB 6/30 with print. W.
	To NY- 11/3		To Pearl Harbor- reqst coy of map 5-12 cop Commun
	To Dir Comm- Fwds Plan 11/4		To N.Orlns- 5-12
	Fwd Dir communications 11/8/21 RB 11/17		To Nav Commun 5-12
	Fwd NO 11/19 RB 12/16 W		Pug Sd-Fwds prints of Alaska Sta. 5/21 W
	To Pug Snd (T) Reqst reply 12/2/21		fwd Commun 6-3
521083	10 5	Communications	Fwds article appearing in "Engineering" covering metallic accessories for radio apparatus. W.
521445	10/6	Solicitor	Fwds copy of con ract with American T/T/Co. for right to manufacture and use certain patents relating to radio apprs owned and controlled vy said Co. W.
521624	9/24	Bur Standards	Request instruments listed be loaned to Bureau of Standards. W.
	10/7	C&R (CANCEL, see 736-4)	Bu Standards; 10-30; W

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APPARATUS

Number.	Date.	From or To—	Subject.	
521591	10/1	Brown University	Ask if Bureau can loan apparatus to University radio Club. W. To Brown University 10/22 Brown University- Request report on test. 10/29 L To A.D. Palmer- Brown University- cannot make loan 11-23	
522526	10/7 10/12	Bd Survey Phila. S&A	Fwds copy of letter from Virginia Ship Bldg. Co. requesting radio apprs listed be sold to them. W. To Ship Bd confirmation 10/20 Fwd S&A 10/19 Ship Board- Approves sale of radio apprs to Va. Ship Bldg. Corpn for CALIN H LIVINGSTON. 10/18 W	
522929	10/15	To War Dept	Cannot furnish copies of monthly radio report as previous reqst. W	
524272	10/19 CANCELLED	Ports. - 609	Fwds form 96-B for radio and telegraph reports- Request copies of W	
525059	10/13 10/22	Pug. Sd. C&R	Request authority covering incidental work in conn with instln of auxiliary radio room on destroyers. W.	
524792	10-25 Fwd Washn 12-28 Bur Stand- Labry. fwds print and correspondence 2/10 W To H G Cordes- Puget Sd. in rel paper fwded 87-B 2-19	To B. Standards Washn	Radio research Problem- Assignment of W. Research Lab; not necessary to do experimental work: 10-29: W To Bur Standards- concurs in recs 11/4 To H.G. Cordes via Puget Sd. comments on problem 87-B 11/6 Pug. Sd.- Subm report on resch problem 87-B with copy of paper on "Gasoline supression by means of parrallel resonance" by H.G. Cordes who desires to subm application for cash reward. 12/9 W	

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APPARATUS 1920

Number.	Date.	From or To—	Subject.	
517425	9-17	To S&A	Reqst shipmt of radio apparatus from Washn to Great Lakes W RB-4;27-W	
517442	9-17	To Washington	Reqst report covering radio research problems. W Washington Progress report. 12/3 W	
519461	9-28	To Atlantic Fleet 493	Radio tele instrucns reqstd rel radio instaln on battleship Force at home yards. W	
519337	9/20	New Orln.	Fwds change of material sheets covering radio apprs. W.	
519621	9/27	Norf.	Subm list of radio apprs for sale at Yard. W. Fwd S&A 1-18-21	
519558v	9/24	War Dept	Fwds request of Col E Russel to be placed on mailing list for monthly radio report. W.	
519742	9/27	Dept 652	Fwds copy of letter from Naval Attache, Lond. in conn with exchange of radio informa between Commander Hooper and British Admiralty. W.	
519959	9/29	Fed Tele Co.	Ask if Bureau still desires 20 sets of 2 KE drawings. W. To S&A 10/19 fwds letter of Fed Co To Fed Co 10/18	

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APPARATUS 1920

Number.	Date.	From or To—	Subject.
520282	10-2	To S&A	Reqst shipmt of radio condenser from Washn to Annapolis W 4624-- RB 1-10-21
519474	9-30	To N.Y. via S&A	Reqst radio material be turned in store at Fleet base recd from Base 27 Plymouth England W
520556	10/1	Naval Intelligence, To Intel- fwds for comments 11/30 To Intelligence. permission withheld pending auth 12/16 Fwd Secty 12/29 RB 3-9	Fwds request from Bowden to publish article on "What is the Matter with Our Navy Radio." W. fwd Intel via Com 10/12 To Dir Intelligence Gives inform 10-16 Naval Institute 11/3 W. To Comdr Hewitt- Annapolis- fwds copy 12/1
520386	9/6	Montreal Star	Article on automatic transmitter being tried out by British Navy. W.
520837	10/5	To S&A	Reqst shipmt of ammeter from washnington to G.E. W
520845	10/5	To S&A	Reqst shipmt of meters from Washn to Eoller Smith Co W
520842	10/5	To S&A	Reqst shipmt of radio appr from Washn to Newark N.J. W
520841	10/5	To S&A	Reqst shipmt of appr from Washn to E Pitts W
520843	10/5	To S&A	Reqst shipmt of ammeters from Washn to Cambridge W

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Number.	Date.	From or To—	Subject.	
514646	8/17	Norf.	Copy of letter to Board of Apparaisal and Sale, listing radio equipt available for schlight with prices. W.	
515933	9/2	Boston	Quotes advertisement for sale of Navy material, probably stolen. W.	
516035	9/8	Wireless Imprvt Co.	Fwds list of manufg equipt owned by Co.	W.
515947	9-9	To Nav Communications	Sub report of structures and characteristics of radio installn comprising Mutual Co's stations at WAHIAWA LAHAINA LIHUE KAWAIHAE and KAUNAKAKAI.	W
515832	9-10	To Nav Intelligence	Reqst publications Nav. Intelligence- Fwds copy of French Publications covering General Review of radio telegraph. 10/23 W.	W
515830	9-10	To IM's Comdts	Reqst DRMO Great Lakes also Comdt P.H. be placed on mailing list for radio reports	dW
516200	9/9	New Orln Copy	Mississippi Warrior Service desires to purchase radio sets for Mississippi river tow boats. W.	
516541	9/10	Fed. Tele. Co.	To N.O. none for sale. have 1/2 kw sets for sale. 9/14 2 kw Instrn books- fwds new pages to be inserted. W.	
516905		See 616905		

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APPARATUS 1920

Number.	Date.	From or To—	Subject.
515837	9-11	To M.I(T)	Rel complaint of Associated Press delay reaching Pearl Harbor too late for publication. Reqst action rel satis service. instaln of copy Communications. 40 Kw sets if necess. W
12th Dist; fwds correspondence for action; 9-22; W			
Mare Island Fwds copies of correspondence. 9/30 W.			Mare Is; (T) reports on South City arc; 9-17; W
Fwd Dir Communs 9-29 RB10/5 W.			Mare Island- (T)- Not over 30 minutes delay in any press message. 9/13 W.
515834	9/13	To GE Co	Reqst all correspondence ~~both~~ addressed to Chief of Bureau, and signed by head of Dept, instead of Mr. Johnson W
516557	9/14	To S&A	Reqst shipmt from Washington to Bureau Standards. 4340 RB 10/7 W.
			Bur Stand Labr- Report on defective vacuum tubes. 10/8 W.
516549	9/14	To N.Y.	Reqst for drawing. W
			New York- Traning is already in Bureau. 9/21 W
516555	9-14	To Kilbourne & Clark Mfg Co T	Advised shipt lamps 9/3 from Westinghouse Lamp Co. W
517328	9-15	Automatic Switch	Fwds print of special ~~alxxx~~ alcohol control valve for use on Federal Co's arc sets; W
fwd Wash 1 021			To 9/20
To Auto Switch 11-19			Automatic Switch Co.- Will ship sample. 9/21 W
Automatic Switch Co.-Can make switches required easily. 11/20 W			Automatic Switch Co.- Automatic elec control valve for transm arc fwded to radio test shopt Wash 10/8
517424	9-17	To Comdts M's Stas	Radio tele uni wave arc signalling systems for medium power shore arc stations. reqst
42 Fwd Washn 10/7			
Norf- Fwds data on uni-wave key. 10/5 W			mfg and shipt be made- Gives order of precedence W
Card 272			
Guantanamo- Copy of action to San Juan. 10/13 W.			Washn - Fwds report on arc radio telephone set. 9/29 W.
Mare Island- Fwds arc performance report at Mare Island. 10/12 W			Key West- Copy of data furnished Washn. 10/1 W
Fwd Washn 10/22			Mare Island 9/28 W.
Key West 10/21 W.		To Washn 10/29	Mare Is; fwds report on arc performance of 12 K.W. arc radio transmitter; 10-15; W
To Washn Quotes from Comdt Key west let			9th Dist; 10-20; W
Cavite-Copy of action to Washn. 10/30 W			10/21 for inform 10-27 To Comdts Com FCS 12/11

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Number.	Date.	From or To—	Subject.	
512952	8/10	Pearl Harbor	Monthly report of radio equipt on hand.	W.
512988	8/17	Fed. Tele. Co.	Ask if any objection to furnishing small arc sets for educational institute. W. fwd Com 9/10 RE 10/12 W. Fe . Tele. Co. Request action. 9/28 W. To Fed 10/14	
512813	8-23	To Comdt MI	History of employment of E.C. Hanson, to develop an audio frequency wireless system. Reqst fwd data in re to for use in claim now pending. copy DRMO M.I. Mare Is. original report was fwded Sept 13, 1917; 9-8; W	W
513147	8/24	To CO Nav Airship Detach Howden Yorkshire England.	Placed on mailing list	W
512811	8/24 Fed.Tele.Co. 2/18 W. Fed Tele.Co. 5/4 To Fed Co. 6-14	To Fed Tel Co. 8.96	Reqst fwd resume of status of radio patent applications. Fed. Tele. Co.- Fwds status of patent applications not yet allowed. 10/1 W. To Fed Tel Co Gives comment 11-27 Fed. Tele. Co. 12/29 W. To Fed Co 2-14-21	W
513327	8/23	DNC	Fwds lectures on radio telegraphy furn by Naval Intelligence. W.	
513151	8-25	To S&A	Reqst shipmt of blinker signal set from Washn to Dept. W	

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APPARATUS

Number.	Date.	From or To—	Subject.	
513150	8-24	To Naval Attach Paris	(T) For Comdr Hooper- advise rel sale ranch. W To Paris (T) for Hooper. 8/30	
513589	8/25	Naval Intelligence	Fwds translation of French papers on radio subject. W.	
513625	8-30	To Washington	Reqst alterations be made in drawing. Fwds W To Washn 10-1 Washn- Fwds prints. 10/22 W.	
514418	8-31	To Washn	Reqst fwd vandykes W Wasn- Fwds vandyke battery charging panel. 9/3 W 882 - 1	
514549	8/24	War Dept	"Journal Telegraphique"- fwds copy of. W.	
514496	8-28	Westinghouse E&M Co	Ask if navy can sell 30 k.w. ~~xxx~~ arc set Poulsen type; fwd S&A 9/13	
514575	8/30	Radio Tele. Co.	Are conducting ship to shore business; ask if eddy navy radio shore stations for sale. W. To S&A. fwds copy of latter 9/4	
514678	8/26	Pug. Sd	Sends special report on Uni-wave signal system. W. Fwd Washn-Attached report and diagram of uni-wave signal system -Fwd CC Pug/Sd. MI 9/7 W	
514417	8-31	To Boston	Reqst for vandykes and copies ofspecial report W Boston- Fwds report on condensers. 9/7 882-1. W	

Washn. Fwds report on test of design problem 24. 10/20 W.
To Washn. 11/7 RB 11/27 W

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APPARATUS

Number.	Date.	From or To—	Subject.
509834	7/30	Receiving Ship, Frisco	Request radio school be put on mailing list for monthly radio reports. W. To Rec Ship- fwds radio reports - 8-13
509236	8-6	To Comt Washn	Preparation of specfns for lead storage batteries for receivers. deisgn problem 51- W To Washn Reqst work le ,completed 9/6
509524	8-9	To IM N.Y.	Reqst yard prepare instructions for care and preservation of radio equipments when laying up vessels and care thereof, while vessels are layed up. WD
509540	8-9	To Benjamin Elec Co	Reqst subm sample buzzers for test. W. Benjamin Elec Co; fwds samples for test; 9-16; W To Washn. 9/17
		Washn. Report on test of communication buzzers subm by Benj. Elec. Co 11/15 W. To Washn work completed 11-19	
510437	8-11	To Comdt Boston copies Comdts IM's	Radio telegraph fwdg of monthly radio reports. Reqst place DRMO Great Lakes on mailing list , see 510325 919-1
511154	8/7	GE Co.	Request drawings and other data on plugs and jacks. W. To G.E.- fwds print- 8/13
511569	8/9	Pug.Sd.	Request radio type number book with index be furn. W.
511695	8/10	Navigation	Request material listed be furn for training receive force, Salem, Mass. W. fwd Nav 8/20 RB 8/30 W. To Boston. advise if in store 9/1

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APPARATUS

Number.	Date.	From or To—	Subject.	
512044	7/3	Mare Island	Fwds special reports on test of single wave system South Frisco. new antenna at Chalos Heights and fanning receiving circuit. W.	
511605	8-18	To Carnegie Steel Corpn	Reqst copy of "Pocket Companion" for file and reference.	W
511606	8-18	To National Tube Co.	Reqst copy of your "National Pipe Standards" for file and reference. W	
512416	8/14	Mare Island	Fwds report covering fanning automatic relay and statis reducing devices. W.	
512012	8-18	To Ports.	Reqst copies of radio report be mailed to Comdts P.Harbor and Cavite.	W
512510	8/18	Wireless Spec.Appr Co.	Request letter of recommendations for their cooperation during war. W. To Wireless Spec Co. do not issue as not for best interests of govt. 8/20	
512023	8-19	To S&A	Reqst shipmt from SO Washn to Phila grid leak and condenser for radio Lab.	W
512026	8-21	To M.I.	Action has been taken in re to supplying tracing cloth.	W
512025	8-21	To M.I.	Reqst copy of M.I.letr of 6/1 Mare Island Fwds copy of letter of 6/1. 8/28 W To M.I 9/14	W

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APPARATUS 1920

Number.	Date.	From or To—	Subject.	
507393	7-29	To S&A	Reqst for material from Army supplies. To N.Y. reqst advise if available crane for GUANTANAMO 7/30 RB 8/30 W.	W
508277	7-29	Fwd S&A 911	Radio telegraph PO Dept air mail service order RE 112 7/29/20 for insulators	W
507931	7-29	To Comdt Washn	Instruction books for radio receivers. Reqst info covering W RB 8/4 W.	
507406	7-29	To Comdts IM's Comm	Tests with radio trans apparatus in the vicinity of shore radio stations W	
508279	7-29	To Comdt WashN	Rel visit of Mr. Thompson to test shop.	W
508461	7/28	Lang. H. J. Long,	Request authority to purchase radio apprs listed from Flt Sup Base. W fwd NY 8/3 RB 8/12 ,W fwd S&A 8/20	
508278	7-30	To Westinghouse Co	Have mailed copy of public resolution 48, covering pending contract between Co and govt. W	

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Number.	Date.	From or To—	Subject.
508723	7/22 7/30	Washington S&A	Subm list of material loaned. W. Fwd SO Washm 8-4
508662	8-2	To Secty via Sol 896	Radio telegraph- proposed contract between International Radio Co and government for exchange of licenses under radio patents. W
508657	8-2	To Bur Standards	Radio telegraph, checking of assigned wave lengths of transmitting stations. W
508658	8-2 M.I.- 11/13 W MI 6/8 W. To MI- rel action taken- 6/20	To Comdt M.Island	Radio telegraph, checking of assigned wave lengths of trans stations W Mare Island 8/28- Wskday on which vibrator may be expected from French govt. 8/28 W To M.I. 9/17/20
508659	8-2	To Comdt Pearl Harbor	Radio telegraph, checking of assigned wave lengths of trans stations. W
508955	7/30	Desty.	Request latest standard plans of radio instln for Destroyers. W. To Atl Fleet fwds prin8-9 Atlantic Destry. 12/10 Prints not recd. W
509366	7/13	Europ Forces	Subm general inform rel to radio apprs in Corinth Canal. W. To ~~Europ Forces~~. To RO OLYMPIA via Comdr Asistic Forces. action taken 8/11
509751	7/31	Fed. Tele. Co.	Request conventional signs used in drafting for electrical drawings and wiring diagrams be furnished. W. To Fed 8 9

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APPARATUS 1920

Number.	Date.	From or To—	Subject.	
505996	7/16	Exp. Sta. 797	Subm report on present status of various performances in conn with Submarine sound research work. W.	
	CANCELLED- 797			
466585	FROM CARD 251		Atlantic Fleet 7/19 W	
506686	7/20	S&A Corps	Request authority to sell all obsolete and surplus radio equipt at such price as may be obtained. W. 705 To S&A. rel sale 7/27	
506959	7-23	To S&A	Reqst shipmt of ammeters and milliametters from Chicago to Dept. Room 2429-	W
507121	7-23	To Cutting & Washington	No surplus of detectors for sale. Suggests communiate with S&A.	W

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APPARATUS

Number.	Date.	From or To—	Subject.	
507121	7/7	Cutting & Washington	Ask if Dept has any wireless Specialt detectors for sale. W.	Co.
507173	7/23	Y&D	No futher monthly reports showing status of engineering work under Y&D will be furn.	W.
507562	7/13 7/24 S&A- Copy of action. 9/13 W Td Puget Sd (T ~~9/18~~ 9/18 Puget Sound; (T) ask if issue of material is authorized; 9-16; W fwd S&A 9/21	Dept of Interior S&A	Request obsolete radio material at Pug. Sd. be transferred to Dept of Interior for use of Bur of Education; ~~Alaska Division~~. W. schools. Fwd ~~S&A~~ 6-4 ; RB 9-18; W fwd S'A 9/13	
507933	7-28	To C. Townley C/o Westinghouse Co	(T) Reply telegram proposed exhibits and joint resolution will be mailed tomorrow.	W
507925	7-28	To C.T. Anderson	Fwds copy of booklet, "Outline of tests on electrical insulation materials for use in radio apparatus. Reqst fwd sketches.	W
507934	7-28	To A.G. Davis G.E. Co.	~~Fwds copy of contract between Fed Co and~~ Dept. rel purchase of Poulsen radio appr and stations W	

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Number.	Date.	From or To—	Subject.	
502178	6/23	Mare Island	Prospective CO. Calif. request be place on mailing list for konthly radio report.	W.
501299	6-29	To CO'S	Reqst forms 25 B annual report of radio instal ln be fwded W CO-S-6- Subm report. 7/2 W	
501304	6-28	To G.E.	Fwds copy of summary of traffic handled and other data, reqst over phone. W	
502009	6-28	CIRCULAR LETTER D-12	Monthly radio report- Suggestions in re to circulation of, and suggests Radio Officer conduct monthly examination of personnel upon contents of each issue W-M Inspr Lake 8/3 W To Bridgeport- placed on mailing list. 8-13	Fwds personnel
502414	7-2	To Comdt Washn	Reqst subm design of intrafleet radio equipment know as model TA W Washn-8-6-Fwds blueprint description of model TA interfleet equipment.W	
502426	7/2	To S&A	Reqst shipmt of radio appr from Wash to Dept W	
502433	7-3	To Naval Com Memo	Reqst representative be present at conference in radio division. W	

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Number.	Date.	From or To—	Subject.
503264	6/23	Europ Forces	Lists radio apprs which will be laoned to French at Portiers. W.
504028	7-13	To Atlantic Fleet 443	Conference on July 16th in reference to radio equipment on PENNSYLVANIA ARIZONA and NORTH DAKOTA at N.Y. Reqst send representative. copy to IM NY
505113	7/12	War Dept	Fwds signal Corps technical radio reports covering work on developing radio sets during war. W.
505406	7/14	Norf	Request latest editions of type number liste be furnished. W.
505018	7-14	To Radio Corpn	Advises will cooperate with Co in conn with development of control system Annapolis W To GE rel above 7/14 Radio power Corpn 7/15 W.
505019	7-14	To Comdt MI	Reqst fwd info on constants of circuit single wave system So Francisco station W Mare Island- 8/21 W.
505022	7-14	To J.H.Hammon Jr (T)	Reqst advise if representative can attend conference July 20th Bureau W Hammond Labs. Will take two weeks to gather nec data. 7/16 W

APPARATUS 1920

Number.	Date.	From or To—	Subject.
497850 8	6-8	To N.Y.	Radio telegraph- landline communication and control circuits for radio and compass stations 3rd Dist. Reqst report in re reducing expenidtures W New York 6/23 W To N.Y. 12/21 N.Y. 3/10/21 W.
49955 0	6-16	To Inspr G.E.(T)	Comdr Hooper will be in Schenectady Friday and Saturday this week W
499914	6/16	S&A	Request copies of revised radio apparatus Type number bulletin. W.
500128	6/15	M.&G.Allen	Ask if Navy has any wireless outfits for sale. W Fwd S&A 6-19
500393	6/12	mare Island	Fwds description of radio instln on board vessels listed. W
500120	6-22	To Washington	Reqst subm design, to be know as problem 99 to Bur, continuous wave reception without heterodyne, for instaln of equipment at Bar Harbor. W To Washn- reqst advise rel problem 99- 12-9
501287	6-24	To N.Y.	Reqst fwd 100 copies of tracing cloth W N.Y.- Fwds tracing cloth. 7/1 W.
500869	6-24	To Washington	Reqst drawings of all types of wave changers be fwded to Bur for file W Washington 7/3 W

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APPARATUS 1920

Number.	Date.	From or To—	Subject.	
501042	6/18	Mare Island	Request instructions rel to stowage of 2-k.w. arc sets at yard; W	689-7
490292	FROM CARD 259		Inspr Fed- Fwds contractors quotation cov drawings. 6/29 W. **To MI- reqst obtain drawings from Fed Co charageable to San Diego allowance 7/8**	
501871	6/18	Mare Island	Fwds inspection reports on vessels listed. D.	
501742	6-28	ToDNC COMDTS IM's New Orln- 7/15 W Key West- recommends consider instln of emergency supply at St.Petersburg station. 6/4 W. 1053 **Pearl Harbor- Fwds report with map of island of OAHU in conn with characteristic and reliability for stations. 7/30. W.** Mare Island- for Beach Sta. 8/20 W Mare Island- For Inglewood. 8/20 W Mare Island South San Francisco 8/20 Chalos Heights 8/20 W	Characteristics and reliability of elec power supply to medium and high power radio stations which are dependent on power supply outside of yards or stations. Reqst report W Bost- Fwds prints of elec transmission line Nav. Hosp. at Chelsea, with characteristics. 7/12 W Boston- Fwds maps showing power station of Bar Harbor of Union River Power Co. with report cov characteristics and reliability of power giving instruments. X920-2 W. 7/13 Sayville- Fwds maps with report on transmission line. 7/15 W. Key West- Subm data requested. 7/16 W	

TO CARD 269

Number.	Date.	From or To—	Subject.	
494079	5/15	New London Sub Base	Request nec data covering radio material recd from GE Co.	W
494171	5-18	To Comdt Phila	Fwds sample cage antenna and fitting, mfg at Phila for OHIO- comments reqstd Phila 5/29-Instln of battle ship equipt- fwds prints. 5/29 W.	W
494622	5-20	To S&A	Reqst shipmt from Washington to S.E. radio apparatus. W	
485255	FROM CARD 257 Fwd Y &D 7-27 cc N.O. Y&D- Copy of action to New Orln. 7/31 W		New Orln- Subm recommendations with detailed comments. 5/18 W. To Comdt N.Orlns- rel quarters N.O. 5/21 cc Communications New Orln- Estimate cov constrn of quarters. 6/28 W.	
494627	5-21	To S&A	Suggestions for assisting liquidation of N.S.A. account. W RB 5/25 X sales.	
494891 49891	5/20	Inspr Brook.	Request prints of Weston type of radio instruments be furn. To Inspr Brooklyn. fwds specfns 5-24	W
48112	5/19	To S&A	Gives list of equipment purchased from West for shipmt to various Naval High Power Radio Stas. W	629

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APPARATUS

Number.	Date.	From or To—	Subject.	
495210	5/21 5/22	3d Dist Communications	Boy Scout organization request authority to release photos attached of radio stations in conn with publication of story written by them. fwd Director Naval Intelligence 5-25	W
495577	5-27	To Naval Intelligence	Reqst translation of copies enclosed. RB 9-18; W To War Dept 10/7 War Dept 10/12 W. War Dept 10/12 W.	W
495573	5-27	To Comdt Washn	Reqst copies of revision of drawings be fwded. W Wash-Lists vandykes fwded by Special messenger. 6/9 W.	
497020	6-1	To Magnavox Co. B.C. Fridham Chf Engr.,	Confirms verbal conversation- Asks furnish for test instruments. W	
497379	6-7	To Comdt in Chief Atlantic Fleet 493	Reqst fwd lists of items of radio material essential to comprise radio spare part allowance list of each type of vessel. W	
498144	5/21 5/29	L. W. Brillhardt Mare sland	Ask if can purchase radio apprs for school use. fwd S&A 6-16	W.
497852	6-8	To Norfolk	Reqst fwd catalog to Comdt 15th Dist. W copy Comdt 15th Dist	
497858	6-9	To Washn	Reqst fwd drawings. W	

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APPARATUS

Number.	Date.	From or To—	Subject.	
489211	4/15 4/17	Seattle 13th Dist	Ask if monthly report for 2/1 will be furn. To 13th Dist- fwds 4/27 RB 5/17 W	W
489212	4/1	J.L. Allen	Request copy of monthly report be fwded to Paris in future, instead of London. To Naval Intelligence. fwds copies 5/12	W
489401	4/20 4/22	Dept of Interior S&A	Request radio apparatus listed be furn interior Dept. in Yosemite. fwd S&A 5-1	W
489840	3/8	Asiatic Fleet 445	Request combiete set of radio plans and and stock books be furn.	W.
489156	4-26	To S&A	Reqst shipmt from Airc Factory Phila to Phila S.O. radio appr. W; RB 9-18; W	
490292 TO CARD 261	4/28 Mare Island 5/27 W	To Mare Island To Insp Palo Alto. reqst fwd drawings to M.I. 6-4	Have no record of receing MI letter 1/20 rel copies of drawing etc Mare Island 5/6 W. To Comdt M.I. reqst information 5/13	W
490727	4-30	To Communications	Reqst report as to what circuits or individual stations are considered to be not satisfactory from a personnel-operation point of view, as regards radio material facilities.	W

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APPARATUS

Number.	Date.	From or To—	Subject.	
489564	4-30	To Comdt Puget Sd	(See 919-1)	
491315	3/1	American Institute Elec.Engineers	Letter to Bur standards asking if Cdr Hooper would be willing to give radio talk before Baltimore section.	W.
491832	5/4	1st Dist	Rqst copies of monthly radio reports listed be furn	W
493109	3/31 5/7	CO BRIDGEPORT Atlantic Fleet 493	Submr report of inspection of radio apprs on various vessels.	W.
493420	5/10	Guarantee Trust Co.	Rqst inform rel credit standing of E. J. Simon To Guaranty Trust Co. report unfavorable rel above 5/15	W.
493521	5/12	Bd. of Survey, Norf.	Ask reason for wide variation in amount asked for radio apparatus on catalog of material to be sold. Sale	W.
493752	5/8	Mare Island	Request inform be furn regarding data to be filed under class number of radio coordination system. To Comdt M.Island- gives info 5/24	W.

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APPARATUS

Number.	Date.	From or To—	Subject.	
486733	2/20	Marconi Co. of England	Letter of introduction for J. D. White one of Company's engineers.	W.
486759	4/18 4/19	Washington S&A	Request condemned radio material listed be advertised for sale. fwd S&A 4-19	W.
487026	4/5 4/12	L. A. Morrison Communications	Reqst information relative to sale of used radio apparatus by Navy - W fwd L.A. Morrison via CO TEXAS. may be obtained from S&A 4/14	
487825	4/16	American R/r Corpn (T)	Request conference 4/19. W. To American Radio & Research Corpn (T) Ref your despatch 16th 2 PM Monday will be convenient. 4-17	
487901	4/16	Beth S/B Corpn.	Insulators and aerial wire found out of plant on roadway leading to Sparrows Point; ask if property of Navy. W. To Cdt 5th Dist. reqst investigation 4-23 cross To Norfolk, asks when info be fwded 5-28 Norf 6/4 W To Beth Shipbldg Corpn. acknow info - 6-8	
487601	4-19	To S&A	Reqst S&A take action to have material at various yards removed from list enclosed and transferred to Washn Yard. W	
488313	4-20	To S&A	Reqst shipmt from Norfolk to N.Y. automatic starter. W RB 6/5 W.	

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APPARATUS

Number.	Date.	From or To—	Subject.	
488531	4-20	To Judge, City Court 5, N.Y.	Advises that Mr. F. Lowenstein, is engaged in important contracts covering radio material in Navy. W To Fritz Lowenstein- Fwds letter as reqstd	4-20
471268	FROM 253		To Comdt Phila- Reqst summary of radio compass bearings be fwded 4-21 Phila- Fwds data in detail. 4/23 W N.Y.- Fwds records of bearings. 5/14 W. N.Y.- Fwds records of bearings taken by radio stations. 6/14 W Phila- Fwds data sheets. 6/14 W. Phila- Subm report. 7/2 W. N.Y. 7/12 W. N.Y.- Report on bearings taken by compass stations. 8/17 W N.Y.- Fwds reports on radio compass stations. 9/10 W. 919- 1. N.Y. Fwds [illegible] of bearings taken by Compass station. 10/12 W. Anacostia- Subm report on variations in direction of wave front in transmitting stations. 10/11 W. N.Y - Fwds record of operations taken by compass stations. 11/12 W. To N.Y. 11-18 To Phila- acknow report 11-18	
488543	4-22	To Comdt Phila	Reqst fwd copy of monthly report. W	
488549	4-22	To Federal Telegraph Co	No objection to publication of instruction book for models K and Q 2 kw arc radio trans provided no reference made to navy contracts or type numbers. W	

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APPARATUS: RADIO -1920-

Number.	Date.	From or To—	Subject.
481628	3/10	13th Dist	Reqst Keyport Station be provided with all back copies of monthly radio report - W
482118	3/11	Atl Destr	Fwds comments and suggestions from vessels of Flt relative to improvements in radio installation - W
482358	3/18	Phila	Confirms telephone conversation in connection with test of 2 KW arc installation on ETHAN ALLEN work at Bethany Beach Compass Station installation of telefunken at Cape Henlopen station and calibration of compass stations in 4th Dist - W
482497	3/6	Wash. Test Shop	Submits report on radio apparatus turned over for shipment from Wash to Bu. -W
481993	3/18	To J.H. Bunnel & Co	Reqst fwd catalog of apparatus applicable to radio. W
481992	3/18	To Natl Elec Supply Co	Reqst fwd catalog. W Nat'l Elec. Supply Co - fwds gen. supply catalogue - 3/19
481991	3/18	To Manhattan Elec Sup	Reqst fwd catalog. W

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
481990	3/18	To Trumbell Elec Co	Reqst fwd to Bureau catalog of appr applicable to radio- W Trumbull Elec. Co- Fwds latest catalog.	3/23
482583	3/9	J. B. Dow	Reqst permission to publish article on radio telephone. W Fwd Intelligence 3/20	
483022	3/22	Washington	Maintenance of spare parts for new radio equipt on East and West Coast - recommends radio stock catalogs containing type numbers and base yards be issued periodically. To Wash. Yard- Concurs with suggestions of establishing stock of spare parts. 4/28 W	W
483354	3/13	Electro Importing Co.	Ask if Bureau has any obsolete wireless apparatus for sale/ fwd S&A 3/26	W.
483571	3/24	Radio Corpn of America	Request list of radio apparatus available for sale. fwd S&A 3/26	W.
483739	3/12 3/24	Great Lakes S&A 854	Subm list of radio material on hand, available for sale. fwd S&A 4-7	W.
484420	4-8	To S&A	Reqst shipment from Washington to Dist Forester Service Ogden, Utah. W radio appr.	

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
484848	3/30	Naval Academy	Request monthly radio report Dec. 1918 to July July 1919 be furnished. To Annapolis. 4/3	DA.
485255	4/1	A. O'Brien	Subm report on inspection trip to New Orln Point Isabel, Galveston Port Arthur and Mobile Sta. W.	
TO CARD 260	To Nav. via Com- rel inspection of station Pt Isabel 4-14 To IM N.O. improvements Pt Isabel 4-15 cc M.C.Com Y&D 8th Dist Pt Isabel		To N.Orlns- reqst recs 4-13 copy DCS 8th To Cdt N.O. via IM. advise rel use of quarters for radio personnel 4-14 copy COM.	
485411	4/3	Nav.Intelligence	Fwds pamphlets in French, subm inform in conn with radio telegraphy. To Naval Intelligence.reqst translation4-16 W	
485573	4-5	To Naval Communications	Personnel - Emp. Radio Reqst list showing authorized complement of all fixed radio stations, other than radio compass stations, but including lightvessel stations, and personnel now assigned to various stations. W Communications- fwds list of radio station complements. 4/8 W.	
485496	4-6	To Comdts-Boston Phila Charleston Puget Sd	Instructions in re to subm quarterly reports of material on hand. W Pug.Sd. 4/13 W.	
TO CARD 273	To Philz fwds copies of letter 8/24/20 Phila: 9-1:		To Phila. rel reports 8/17 Phila 8/18 W.	
Phila-Quart.radio report of material actually on hand. 10/15 W.				
486346	4/5	Great Lakes	Request catalog of type numbers for radio apprs be furnished. To G.L. cannot furnish this time 4-10 Great Lakes 6/28 W	W.
462089	4;6	9th Dis	Ask if material is to be retained for use at various radio stations in 9th Dis.W	

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APPARATUS RADIO 1920

Number.	Date.	From or To—	Subject.	
484286	3/27	Bur ~~Standards~~	Fwds copies of various radio reports. To Bur Stds 4/3	W.
315207	FROM CARD 236		Ports- (T)- Request authority to install batteries in Eagle 57. W X 2-Z-6. 3/29 fwd Comdt M.I. 3/29 RB 5/12 W To Ports(T) 3/30 S&A- Returns requisition. 4/3 W. New Orln. 4/6 W. Shipt order from Washn to N.O. 36 vacuum tubes 4-21 RB 5/15 W. Phila - 4/29 - W Shipt order from Wash to Phila 5/7 Phila- 5/13 W. CO OHIO 5/21 W To M.I. auth mfg 6-16 Shipt order from Norf to M.I. radio 6-16 To S&A. reqst status of shipt 7/27 Phila- status of batteries. 8/3 W. Shipt order fro Wash to Phila cells 8/9 RB 11/23 W S&A 8/9 W	
484420	3/18	Dept. of Agriculture	Request radio equipt including rec sets and radio telephone instruments for locating forest fires, etc. To Dept Agriculture- confirmation of phone conversation 7/8 copy S&A	W.
	R. B. Adams-(T)-~~Rqst GE~~ Co. be directed to release radio sets for Forest service. 6/28 W.			
484263	3-31	Memo for Naval Intell	Article by Andre Rebsomen on "Souvenirs of Aroachon". No objection to publication, but refers very little to radio.	W

APPARATUS: RADIO. -1920-

Number.	Date.	From or To—	Subject.	
479603	2/26	M Is	Submits report on condition of radio apparatus recd at M Is Yd via Navy transport service - W (Cross to Mare Island - Complaints and Shipments) fw. S &A 3/6	
479906	3/5	Navigation	Fwds letter from Congressman C. J. Thompson requesting literature on wireless telegraphy be furnished R. Thomas. To C.J. Thompson M.C.- No books available for free distribution. 3-11	W.
479446	3/4 Radio Corpn of America- 4/21 To Radio Corpn. acknow 4-24	To Radio Corpn.	Reqst fwd general outline of activities, including circuits in operation and proposed circuits, with prospective dates of completion etc. for use of Interdepartmental Economic Liaison Comm. which is interested in re to application to foreign and domestice commerce. W Radio Corpn of America 3/5 Radio Corpn of America- Fwds program. 4/16 To Radio Corpn. acknow receipt of general outline of activities 4-19	W.
480081	3/5	Radio Corpn of America	Subm points to which delivery of 18 alternators now building, will be made. o Operation via Communications- fwds copy of Radio Corpn letter for information. 3-12	W.
480304	2/29	Haraden Pratt	Desires to address Institute of Radio Engineers San.Frisco. on information rel to high power radio station design. To H.Pratt- 3/9 (permission granted)	W
479463	3/6	To Cdt Washington	Reqst prints be fwd W	

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APPARATUS: RADIO 1920

Number.	Date.	From or To—	Subject.	
480058	3/8	To S&A	Reqst shipmt from Washington to Navy Dept radio appr. amendment of shipt order 3/18 W	
480998	3/11	Phila. Communications Off. (T)- Ask if motor buzzer sets shall be installed on battleships and destroyers listed. W. 4th Dist- (T)- Request action 3/22		
481545	3/12	Gt Lakes CANCELLED.	Submits list of radio material on hand and available for sale - W	
481574	3/8	CO WYOMING	Reqst be placed on mailing list for monthly radio report - W	
481198	3/13	To CO'S Cdt Wash	Radio telegraph, ground clamps for motor buzzer sets. new ground clamps have been mfg and are being shipt, for installn. W	
481200	3/13	To Cdt Mare Island	Reqst copies of prints. Mare Island- Fwd's vandykes. 3/25 W	W
481683	3/15	International Com. of YMCA	Ask if any radio apparatus and accessories are for sale - W fwd S&A 3/19	

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Number.	Date.	From or To—	Subject.	
475982	2/13	Phila.	Fwds list of radio drawings numbers under coördination system.	W.
476664	2/11 2/14	Bar Harbor Boston	Request copy of latest publications giving type numbers of radio apparatus.	W.
475720	2/17	To J.M. Co.	Fwds copy drawing, test of sheet insulating material.	
477287	2/12	Mare Island	Request information on data as to standard arrangement and plans of radio telegraph.	W.
477082	2/20	To DCS 3rd Dist via Com	Reqst copy of bulletins. W copy IM N.Y.	
477332	2/24	To Comdt Wash Permission to Visit	Reqst permission be granted representatives of G. E. visit radio test shop. Lists	W
478132	2/14 2/19	CO NEW MEXICO Pac.Fleet	Fwds report of Ens.J.B.Dow on system for installing high power arc radio apparatus in place involving use of long trunks.	W

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
478005	2/26	To DNI 600-1	Reqst all reports having bearing on technical radio be routed to this Bur. W Naval Intelligence- 2/27	
478886	2;28	Saul S Myers 920-8	Submits request for authority ~~is~~ for a client for license to operate under Poulsen and Telefunken patents also authority to use Sayville station.C To Saul S. Myers- 3/5	
478230	2/28	To IM Ports	Reqst copies of monthly radio report. W Ports. 3/5	
478232	2/28	To Cdt Puget Sound	Reqst for additional data in monthly radio report W	
479465 3	2/27	Fed. Telegraph Co	Fwds letter from J. B. Disbrow reqsting catalogue of radio apparatus - W ~~To Cdt Wash 3/6~~ Fed Tel Co 3/6 Wash - fwds van dykes of shock absorber-3/15 Fed. Tele. Co. 5/13 -Fwds booklets on transmitters. W	
479526	3/1	Gt Lakes 854	Reqst copy of catalogue giving type No.s assigned to radio apparatus - W	

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Number.	Date.	From or To—	Subject.
471863	1/22	Solic	Fwds bill of Vreeland Apparatus Co covering amount due on assignment of US Government-W 896 896 To Vreeland Appr Co- fwds bill for signature 2/4
471861	1/9	Federal Telegraph Co	Gives reasons why devices developed should be manfd at Palo Alto factory and not at some East Coast Yd, in connection with figuring on radio apparatus for Goodyear Rubber Co, etc-W
470496	1-24	To Comdt Wash	Design problem No.75. Perfection of break key system. W
		Washington-Subm list of discrepancies. 3/6	To Washington- amendment 1/29
		Washn-Recommends design problem be temporarily closed.7/9 W	Washington- Rqst for designation of design number coy erection of complete standard battle ship instln. 1/17
		To Washn: completin of problem 75 7-13	
471268	1-24	To Ny Wave Front	Variations. Study of. W
		To Cdt Phila 3/18	To Phila. W 1-24
		Phila- Subm report on wave front variation, Cape May and Bethany Beach Comp Stations. W. 3/19	To N.Y. readings acceptable 1/30
258		(X Wave lengths & Direction Finders.)	N.Y 2/12 To Cdt Phila 3/26
			To Cdt Phila. 2/20
		Phila- 3/4 W.	Phila- Report has been fqded to Bur. 2/27
			N.Y.- 3/12 To IM NY 5/24
472217	1/28	To Cdt Washington	Fwdg advance copy of Monthly radio report W
		Washn- Fwds copy of report 11/15 W	To Washn Reqst Data 9/2
CARD 294		Washn-fwds report on design problems- 12;8-W	Washn- Fwds reports on various design propellers 9/13 W
			Washn-Fwds preliminary report on design problems. 10/7 W.
472229	1/28	To Bureau Stds	Reqst pamphlets on radio communication W
			Bur. of Stand.-Fwds pamphlets requested. 2/2
473042	1;27	Sub Sig Co	Have asked Thermophone Co to put Bureau on their mailing list.W

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Number.	Date.	From or To—	Subject.	
472350	1/30	To N.Y.	Reqst fwd tracing cloth. W N.Y.- Tracings fwded by express 2/3.	2/5
473448	1;31	C&R	Copy of letter to Pug Sd stating plan showing top mast and rigging for radio installation on NY or ARKANSAS & WYOMING satisfactory. W	
473768	2/2	15th Dist. Copy	Request fwd bureau instrucion booklet RE-28-A-108-A. To Cdt 15th Dist 2/7	W.
474607	2/6	Washington	Request latest additions to type number list be furnished. W. Washn. 5/11 W.	
474508	2/10	To N.O.	Reqst duplicate copies of reqns. W New Orln- Fwds copies of requisition.	2/13
475399	2/12	To Cdt Washington	Reqst radio drawings applying to reqns be fwded to Bur for issuing to mfgrs.	W

APPARATUS RADIO 1920

Number.	Date.	From or To—	Subject.	
467906	1/8	European Forces Copy	Request radio apparatus listed be shipt. To European Forces (T) 1/28 Europ. Forces - Copy - Amplifiers not desired. 1/29	W.
467616	12/8	European Stand Tech Bulletin	Comments on test and various investigations. W.	919
467298	1-8	To Comdt Phila	Report of Monthly Radio Progress Conference of Dec. 15th. W	
467299	1-8	To I.M. Ny	Report of Monthly Radio Progress Conference of Dec. 15th. W	
467300	1-8	To Boston	Report of Monthly Radio Progress Conference of Dec. 15th. W	
467301	1-8	To Pug Sd	Report of Monthly Radio Progress Conference of Dec. 15th. W	
467302	1-8	To M Is	Report of Monthly Radio Progress Conference of Dec. 15th. W	
468560	1/9	Wireless Spec.Appr.Co.	Will send Mr. Henry to Washington to expedite catalog matter. To- Reqts representative confer with Lt. Comdr Conway 1-12 Wireless Spec.Appr. Co. 1/14	W.

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Number.	Date.	From or To—	Subject.
468302	1-13	To E.P. Edwards GE Co	(T)- Desire to have Beekman at Bu 1-15th for battleship control conference. Inform if date is convenient. W To J.H.Hammond (T)-Reqts be present at conference. 1-13
468993	1/12	Martini Kuhn Corpn.	Are in position to fill orders for production of electrical, mechanical and radio apparatus. WR
469626	1/14	M L. Melville	Ask if radio applications may be purchased.W To- No surplus material.in items listed. 1-19
469835	1/16	Communications	Subms letter from H.A. Garver requesting information rel to radio material. W.
470450	1-21	To D.N.I.	Reqts for Telefunken Catalogs. W Nav. Intelligence- Fwds Telefunken catalogs. 4/10 W
471436	1;13	Lieut HY Meneratti	Submits observations made on UTAH while at Boston and en route to Southern Drill Grounds covering hammond set.W
470834	1-22	To Phila	Special Report RL 3A 168A. W
471505	1;23	Washn	Submits list of drawings giving installation details of standard battleship radio equipmt received.W

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APPARATUS: RADIO 1919

Number.	Date.	From or To—	Subject.	
465787	12-30	To Yds & Stations	Radio apparatus and radio drawings - precautions to be taken in the safe guarding of same. W To Norf-12;30-RB-1;22	
466296	12/30	Naval Intelligence	Fwds copy of technical nots recd from General Ferrie. To Nav. Intel-Reqts fwd radio technical notes to Bureau. 1-5	F.
465798	1-2	To Bu Standards	Fwds monthly report Radio Progress Conference of Dec. 15th. and status of Radio Research Problems .W To Wash Yard Ditto. 1-2 To Anacostai Air Station. ditto. 1-2	
466492	12/26	13th Dist	Request be placed on mailing list for monthly radio report. To- Will place on mailing list. cbpy to 13th Dist Supt. 1-5	W.
466585	1-3	To ATL FLT To Atlantic Fleet- 6-29 C&R- Copy of action to Yards. 7/6 W Atlantic Fleet 7/12 W. To Atl Flt- comments 7/16 7/19 To Atlantic Fleet- acknow comments	Comments on operation of new force tune System apparatus during coming visit to Southern waters. W. Atlantic Fleet- Subm comments in detail, on standard instln for battleships. 5/10 W. To C&R work recd by Fleet 6/25 cc Atl Fleet.	
469181	1/14	Earl C. Hanson & W. L. Carlson	Submits description of high power long wave high speed radio telegraph receiving system taken over and pending US patent application filed by them- W	896

to CARD 263

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
467218	1/5	E. J Simon	Request list of number designations. To-Present issue exhausted. 1-8	W.
462321	FROM CARD 247		Phila- Request characteristics of radio transmitter. 1/5	
467775	1/2	Pug.Sd.	Deck scuttle for removeable antenna insulating for emergency radio room - fwds prints. Fwd C&R. 1-22 RB 4/27 W. fwd C&R 5/4	W
467290	1-7	To 13th Dist	Fwds copy of radio report Serial #167. RB-1;26	W
467801	1-10	To Wash Yd 965	Fwds prints Force Tune System , radio apparatus.	W

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[OVER.]

APPARATUS RADIO

Number.	Date.	From or To—	Subject.
461825	FROM CARD 247.		N.Y.- 12/20 Chasn 12/19 9th Dist- 12/23 Mare Island 1/8 Coco Solo- Request two addtl copies. 1/2
460104	from card 246 CO UTAH Fwds prints 5/19 CO OKLAHOMA Fwds prints. 5/20 W Norf- Fwds revised prints. 5/22 W CO PENNSYLVANIA -Fwds revised prints. 5/22 W. CO TEXAS -Fwds drawings. 5/20 W Pug Sd.-returns print.5/21 W CO NEVADA Fwds prints 5/26 W Mare Island-Revised prints of forced tune system-fwds. 5/25 W Atlantic Fleet- Returns drawings. 6/17 W Phila- Report of investigation cov loss of roll of forced tune system drawings. 7/14 W.		Battle Ship Div. 6.- Request instrns cov new forced tune system, radio apparatus. 12/19 Norf.- Fwds instrns for instln of forced tune system, apparatus. 1/3 W. N.Y.- Fwds drawings. 1/8 CO NEVADA 1/7 CO ARKANSAS 1/8 Pug Sd-instrns for installation of forced tune system-fwds prints-1;16 ?? fwds prints-1;21 Pac Btlship Div 6-lists drawings-fwded-1;17 CO ARIZONA-1;20-fwds ~~prints~~ drawings-1;20 Norf. - Subm list of prints of forced tune system. 2/2 To Cdt G.L. 2/7 copy CO and Com To Cdt Great Lakes 2/21 CO ARKANSAS 3/12 To Comdts IM's CO's fwds drawings 5/11 Boston- Fwds prints ~~and~~ of forced tune system 5/19 W. N.Y.- Fwds revised drawings of forced tune system. 5;19 W. Phila - Fwds vandykes. 5/20 W. CO ARIZONA -Fwds revised prints. 5/19 W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
465631	12/23	G. M. Christine	Request Bureau official deliver lecture on radio. W. To- Will arrange for Bu representatives to deliver talk before your Association. 12-27 M. Christine- 12/29. To- Will inform in ample time when representative will be present. 1-9	
465075	12-27	To PAC FLT 494	Routing of recommendations for radio repairs and alterations. To be sent through home yards. W To ATL FLT- ditto. 12-29	
465314	12-27	To Yards	Radio Research Work - Authority for. W Directs authority of Bureau be obtained before undertaking any work to avoid duplication. W	
465071	12-29	To Comdt Phila	Reqt for 6 sets of blueprints to be sent to E.M. Kinney, GE Co. W Phila.- Fwds vandykes. 1/8	
465782	12-230	Fwd Operations	Proposed use of radio in conn. with maneuvering of Fleet. W Dept- Request progress report. 1/6	
465786	12-30	To War Dept	Fwds copies of outline on tests on Elec ~~[illegible]~~ insulation materials for use in Radio apparatus. W	

Number.	Date.	From or To—	Subject.	
464240	12/17	Boston	Fwds drawings and photographs of Hammond inter-fleet apparatus.	W.
450987	FROM CARD 242		Norf - No vessels at Yard equipt with British radio apparatus. 12/18	
464354	12/18	New York	Request New Brunswick be added to mailing list for monthly report - recommends stations listed be omitted from list; not in commission. W	
463859	12-20	To Boston	Lists drawings desires prints of. W Boston- Fwds vandykes. 12/26	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
464574	12/12 12/18	E. J. Simon S&A	Ask if Bureau has any surplus lighting and send-receive switchs; also radiation ammeters for sale. W. Fwd S&A. 12-27	
464664	12/20	Phila.	Request radio vandykes listed. W. To Phila- Drawings already fwded., 12-31	
464665	12/19	A. H. Grebe & Co.	Ask where application for purchase of surplus radio material should be submitted. W. To S&A- Fwds copy of Grebe letter with list of surplus radio material to be sold. 12-29	
464666	12/19	A. H. Grebe & Co.	Co. is equipt to build special experimental apparatus. W. Rigig Tool Holder Co 1/14. W.	
465525	12/26	Washington	Subm recommendations covering changes in drawings of buzzer communicating sets. W.	
465624	12/24	LeHigh Light & Power Co.	Ask if are placing any radio apparatus for sale. W. To S&A- 1-2	
465075	12-29	To ATL FLT	void	

Number.	Date.	From or To—	Subject.	
462604	12/10	C&R	Copy of letter to Atl & Pacific Flts calling attention to wire rope clothes lines on Destrs in lieu of Manilla rope- directs discontinue- interefere's with radio.	Q-6
462881	12/8 Bur Standards- 12/16	Hon. S. E. Burroughs	Reqst reports and publications be sent to Rev. Dan'l E. Ready, St. Anselm's College-W To Bureau Standards.- Fwds copy of above letter with reqts furnish information listed.12-12 To Burroughs- No publications outside the Naval Communications service furnished. 12-12	
463000	12/12	Albert G. Davis T	Makes appointment with Comdr Hooper to discuss Arnold Langmuir - W To(T)- Conference Monday satis. 12-13	
462864 5 To Hon. W.J. Sears M.C.-Porperty not for sale. 12-15 To Park Trammell M.C. 12-17 To- 12-30 Fwd D.N.C. 12-30 RB.1/5	12/9	Bimini Bay Rod & Gun Club	Reqst authority to purchase radio apparatus at Key West to be installed on new club house which club will build - W W. J. Sears - fwds letter from Bimini Bay Rod & Gun Club -12/12 Hon. Park Trammell - 12/12 To Property listed not for sale. 12-15 Fwd Key West via D.N.C. 12-15 RB 12/26	
461825	12-13	To I.M. Norf	Monthly Radio reports. Fwds monthly report for November to stations listed. W To Comdt Wash. ditto. 12-13 To Comdt Phila. 12-13 To I.M. New Orleans. 12-13 To I.M. Ny. 12-13 To Canal Zone. 12-13 To Key West. 12-13	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
463794	12/16	N.Y Dist Com.	Fwds list of designating letters assigned to contractors left by ths GEORGE WASHINGTON. W	
463768	12/16	New York	Request drawings showing wiring for receiving apparatus on auxiliary station for battle ships and flag ships.	W.
463842	12-18	To Comdt Wash	Radio Monthly reports - report of drawings issued ● Notation of contract numbers. W To Cdt Wash- call attentio to former reqst 2/6	
463858	12-19	To Comdt Wash	Three Piece Radio Apparatus by Special messenger. Fwds. W	
463860	12-19	To ATL FLT 493	FLORIDA-UTah-OKLAHOMA-PENN-ARIZONA. Installation of "time tick" circuits. Yards at which vessels are now undergoing repairs have been notified to perform this work. copy to CO's. 12-19 W To Boston. Regts installation above work. 12-19 To Norf. 12-19 To Ny. 12-19 To Pug Sd. Fwds prints. copy to CO's. 12-22 N.Y. 12/31	

[OVER.]

N.S.E. Form 134.

APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
460113	12/1	To S&A	Reqst shipmt from Coco Solo to Phila one SC tube W S&A - Fwds correspondence. 1/6 Fwd S&A. 1-13 Coco Solo- Copy of action to Phila. 6/29 W.	
461158	11/28	Puget Sound	Request for vandykes in conn with radio instlns on WYOMING, ARKANSAS & TEXAS.	W.
461174	12/2	E. J. Simon	Request be notified in the event the Navy has any surplus material, radio, for sale. W To S&A lists material avai' for sale 12/8 Bost - 12/11	
461851	12/2	Wireless Spec. Appr.Co.	Fwds copies of new catalog hurriedly prepared in order to beat German Telefunken Co. to South American trade. W. X 746. To G.S. Davis Wireless Spec Co (T) Reqst do not issue copies to other countries except Central and S. America, until after conference with Bureau 12/9	
		Wireless Spec. Co. 12/15 To Wireless Spec. Co- Distribution of catalog will be taken up upon your next visit to the Bureau. 12-22		
461994	12/5	Phila.	Confirms telephone conversation in conn with wire to UTAH & FLORIDA, p instln of arc sets on DRYDEN; shipt of arc sets for Shipping Board vessels, etc.	W.
461499	12/8	To Comdt Washington	Fwds copies of plan. W copy Annapolis	

Number.	Date.	From or To—	Subject.
461825	12/8	To Comdt Boston	Fwds copies of monthly radio report for Nov to stations listed. W To N.Y/ 12/10 To Phila 12/10 Bost - 12/11 To Grt Lks- Lists stations radio reports being fwded. 12-15
		To Aug Sd. 12-15 To Comdt Boston. 12-15 To Chasn. 12-15 To M. Is. 12-15 To Guam, Marianas. 12-15 To Pearl Harbor. 12-15 To Olongapo & Cavite. 12-19 To Tutuila. 12-19 To Peking. 12-26	TO CARD 250
461826	12/8	To IM's Cdts Fleets	Submission of estimates for radio repairs and alterations to vessels. Instructions W
		914	
462110	11/28	Mare Island	Ask if indexed class numbers in descriptive book have been abandoned. W. To MI 2/3 To Comdt M.Island. instructions rel co-ordination system 4-19
462116	11/28	Mare Island	Request information in conn with proper classification of plans of Submarine signal devices. W. To Mare Island. 1-17 Mare Island 2/13
462321	12/10	To Cdts Co's Air Stas Radio Stations	Rel to installn of type CG-4000 3.5 kw tube transmitters. W. To Chatham (T)- eqts truck at station Monday to Meet Mr. Kinney and baggage. reqts fully charge 12 volt battery be available at radio station for Mr. Kinney's use. copy to Comdt Phila. 12-17
		To Chatham (T)-For Mr. Kinney. Be in Wash. 12-19th. etc. 12-15 To Cape May (T)-Reta fully charged 12 volt storage battery be availabel at radio station for use Mr. Kinney. copy to Comdt	
462340	12/10	To Postoffice Dept.	Fwds booklet, as reqst by rep Mr. Sibley. W

TO CARD 251

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APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.	
459258	11-15 11-18 To S&A- RB 2/26	H. Stilson White House Reqts shipment buzzer instruction set from G Lks dist to training station. 12-30	Rqst auth to use radio app in Hydrographic Office in Duluth. To Secty Memo- No radio equipment at Hydro office over which Bu has coghizance. Are endorsing letr to Hy office for further info 11/24 To Nav Hy office 11/24 RB 12/19 Fwd Dept. 12-26	W
459360	11-21	Independent Wireless Telegraph Co.	Rqst working drawings of 2 KW arcs.	W
458932	11/21	To S&A	Reqst delivery of radio material be effected Frech radio appr consigned Fleet Base from Brest for transhipt to Wash for Bu Stds. S&A 11-24 Copy of action to FSB-W S&A 12/19	W
459848	11-24	Wash. Yd.	Rqst canc of certain job orders at Norf-States matrl being manfd no longer needed. To Norf 12/9 copy Wash	W
459685	11/26	To Cdt Boston	Fwds drawings, force tune radio installations on battleships FLA and UTAH.- W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
460304	11-26	Atl Flt	Fwds copy of lectures delvd by Lt W J Meneratti on standard battleship installations. W	
459278	11/25	To I.M. Norf.	Force Tune radio Installation on Battleships. W. Fwds prints. copy to C-C ATL FLT and Co.	522-6
459272	11/24	To Comdt Phila	Radio Installations on Battleships. Fwds prints. copy of ATL FLT and Co. W	133-6
45349	11/20	Communications	Instructions effective Dec. covering tuning of radio apparatus for vessels and aircraft:	918
460104 TO CARD 250.	11/28	To Cdts IM's Atl Fleet Co's	Fwds copy of instruction book for installn of new Force Tune System Radio Apparatus.	~~W-876~~
		CO NEVADA- (T)- Radio instln; instructions and prints are on board. 12/16	To NEVADA fwds encl. 12/2 To Cdt Phila fwds 12/2	
		To Yards. 12-23 To CO's. 12-23	To NEVADA(T)-Radio set instruction plans fwded 11-28th. Advise if now in hand. 12-15	
460765	11/29	Washington	Lists drawings fwded.	W
460765	11/29	Washington	Fwds report on mechanical details of radio equipt furnished by Internatl.R.T.Co.	W

APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
457879	11/13	First Dist.	Request complete file of semi-monthly reports be furnished Dist. Communication Supt. W. To 1st Dist- fwds 12/5	
458008	11/17	To Boston	Reqst fwd forms, Bar Harbor and Sea Wall Radio Stations. W Boston-fwds form-12-10	
448787	From card	240 To S&A	Reqst shipmt from WYOMING to Washington British radio equipment on board W To S&A shipmt from TEXAS to Washington radio equipment 11/18 To S&A shipmt from ARKANSAS to Washington 11/18 o Pug Sd- 12-19 copy to ARKANSAS TEXAS WYOMING. shipment order issued for shipment of all British radio material removed to Wash. 12-19 o NEVADA. 12-19 To Boston. 12-19 copy to UTAH & FLORIDA. To Norf. Copy to OKLAHOMA. 12-19	
458373	11/18	To IM N.Orleans	Reqst acknowledge receipt of monthly radio reports/ W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
458779	11/14	Mare Island.	Request copy of each monthly radio report since 7/1/19, be furnished W.	
458772	11/18	Washington	Lists drawings which have been fwded to Bureau by special messenger. W.	
458845	11/14	C. J. Harrah	Request information rel to different types of radio and wireles telephone set for installation on 50' express Cruisers. To 1-5	W
458883	11/14	Inspr Fed.	Request copies of monthly radio reports. To Inspr Fed. no extra copies available	W 11/24
458971	11/18 Washington- Report of test of grid-leak resistances. 2/5	G.E.Co	Samples of grid-leak resistance units being shipt to Washington Yard for test W. G E Co 11-25 To Washington- test designated as design probl 61 assigns class C as re urgency 12/9 To Comdt Wash- Values as received to be issued as a basis of consideration. 12-18	
453015	11/19	To Secty	Radio telegraph reinstallm of radio equip on battleships of Atlantic Fleet, in accordn with New Force Tune System. Reqst extension of time stay of vessels, also expedite decision in this matter. W cc to Atl Fleet	774

APPARATUS Radio

Number.	Date.	From or To—	Subject.
356376	FROM CARD 200		Fed. Tele.Co.-Takes exception to publishing what was claimed to be Co.'s secrets. 11/5. To Federal Co- comments on letter of 11-5, as far as Dept is concerned 12/3
457192	11/13	To IM N.Y.	Reqst fwd prints of drawing. W N.Y.- Fwds vandykes 11/18
457530	11/14	To IM N.Y.	No objections to sale of three radio equipm removed from SS SAN MARCOS LAMPASSAS and SS NUECES to Marconi Co. W
457531	11/14	To S&A	Rel to sale of equipment to Marconi Co. cc IM N.Y. W RB 12/2 Fwd S&A 12/8 To S&A. 1-8
458041	11-15	Wash.	Rqst auth to proceed with manf of motor buzzer wheels and relays as spare parts for standard battleship radio installns. W fwd Washington 11/16 R B 11-29 To Wash- 12/3 RB 12/8 To Wash 12/4 RB 12/8

APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
454501	10;31	TP Pg Sd 875	On future reports sketches of the antennas of vessels under investigation to be incorporated on same sheet as data.	
455676	10;31 11;3	3rd Dist Com 685	Reqst be placed on mailing list for all confidential radio reports issued by Bu.	W
456584	11/10	To S&A	Reqst shipmt from Fleet Base to Mare Is. radio antenna trf switch. W RB 12/17	
457120	11/8	Wireless Improvement Co.	Request complete list of type numbers assignments with calibration, of apparatus be furnished. To Wireless Impry Co- new issue in course of cojpletion 12/5	W.
457136	11/3	Wireless Imprvt Co.	Fwds description with photographs of latest radio instruments.	W
364216	11/5	To S&A	Rqst shipt radio apparatus NY to Aberdeen 875 To S&A Reqst cancellation of above 12-30.	

Number.	Date.	From or To—	Subject.	
453583	10/24	To Cdt MI	Ackn receipt of booklets fwd for stations Heeia Guam and Cavite, asks that more info be added to books along lines as given. W M I 11-17 Rqst vandyke of 500-KW arc convertor installed at Cavite be furn. fwd Inspr Palo Alto 11/26 Mare Island 12/17	
454367	10;24	Phila	Conf tel conv in con with charging panel for destroyers clearing line on O boats and receiving equip for Nevada.	W
453848	10/25	To IM Norf	Fwds vandykes. W To IM NY- fwds vandykes 10/25 To Cdt Boston fwds vandykes 10/25	
453865	10/25	To S&A	Reqst shipmt from Phila to M.I. condenser rack for Leyden jars, and radio lightning switch. W	
455004	10;27	To Hon. F C Hicksm M. Com. Naval Affairs.	C. Encloses brief history of U. S. Navy and present status of Naval Com Service.	W
454401	10;31	To Key West 817	If expense in instal of chain fall in power house is not in excess of maintenance allowance, same may be undertaken. Key West 11/6	

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Number.	Date.	From or To—	Subject.	
454611	10;11	Pearl Harbor 852	Plans for co-ordination of radio work at Yrd, reqst information concerning overtime of apparatus in con with. To P.H. Will not furnish plans at present shortage and Navy on 10/1 relinquished main of Ship Bd vessels 11/13	W
455040	10/27	To Bureau Standards 918	Fwds co py of semimonth y reports of radio for aircraft. W	
455129	10;28	USS CAMDEN	States has not received semi monthly radio report following that of May 16, RE 2 A 198 A and RE 2 A 199 A. W To- reports fwd on 8/16 and 9/1 11/4	
436218	FROM 234		To Cdt Puget Sound- reqst search equip be retained on board and turned over to State of Oregon along with vessel 10/30 TO S&A- Fwd - 10:31 To Phila- appvs method of survey 11/13	

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.
450629	10;13	To Boston	Future experiments to be conducted with Bellini Tosi Radio Compass. W
450957	10;13	TO Dept of Justice.	Gives information regarding purchase from E J Simon. To IM Cdts- reqst report be subm showing list of British radio app now at yds on vessels out of commission in reduced comm which ves have returned from European Waters. W 10/15 (See below)
451596	10;11	Independent Wireless Co	Reqst complete type number book be furnished. W Independent Wireless Co 10;21 To Independent Wireless Tel Co-Fwds copy of booklet. 10;20
451920	10;15	N Y	Reqst stand plans listed for radio instal on battle ships be furnished. W NY-Lists material not received 11;3 To N.Y.- plans not yet completed 11/8 To NY- fwds drawings 11/26 cc to Atl Fleet Co PENN and ARIZONA
450987 CARD 249	10/15	To IM's Cdts Phila-Subm list of British radio apparatus at Yard. 11/11 New York- Lists apparatus at Yd. 11/15 NY-Lists British radio apprs on Board SAN FRANCISCO. 11/20	Reqst report covering list of British radio appr now at yards or on vessels in reduced comm or out of comm now at yard which vessels have returned from Eruopean waters, and which have on board such appr. W Ports 10;27
451159	10;13	Post Office Dept	Are establishing radio station at landing field of Erieal Mail Service, asks if Bu can furnish apparatus. W To- no surplus of radio equipment, but if desires radio material, advise so action may be taken to replenish stock 11/1

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Number.	Date.	From or To—	Subject.	
452460	10;21	To Research Lab Wash.	Fwds copy of Monthly Radio Progress Conference held 15th.	W
452150	11;1	TO Post Master Genl.	Navy has no surplus of radio equip, in future asks to be adv in advance. W	
452461	10;21	To Anacostia Air Sta	Fwds copy of Monthly Radio Progress Conference.	W
452462	10;21	To Navy Yrd Wash	Fwds copy of Monthly Radio Progress Conference.	W
453175	10;20	Phila	Conf tel conv in con with A battery for destroyer 206 and 215, loop antenna for sub spare parts for merchant vessels, break down of charging units, Tuckerton Station, defects in radio compass etc.	W
452470	10;22	TO S&A	Reqst shipmt of radio material in box 15;16;19 and 20 R B 12/12	W
453204	10;31	TO Industrial Mfgrs, Commandants, Yrds.	USS OHIO to be placed upon mailing list for future monthly radio reports.	

APPARATUS: RADIO

Number.	Date.	From or To—	Subject.
449162	10;3	Naval Observatory	Reqst nec infor to erect wireless rec station at Laf Observatory. W To-advises but moderate sized equipment required by Victor H.Doushkess, as stat located close to Arlington- in re to reqst for private wireless sta at Lafayette College Observatory Easton Pa 10/7
449320	10;3	Ports	Reqst copy of latest Bu plans and spec for instal of radio equip on vessels of Battle ship class be furnished. W To IM Ports- fwds drawings 10/28 Ports- Request addtl radio plans be fwded. 3/24
448408 Below	9;4	C Swayne	Asks if new parts of radio app removed from German vessels are to be disposed of by sale. W
448661	10/4 Marconi Co 10/17 To Wireless Spec Ap Co-no objec to use of provided marked Courtesty of Dept 10/29 Internatl R/T/Co.-Rqst authority to use. 12/1 To Internatl Co- permission grant 12/4	To Firms	Reqst that Navy apparatus be not described in publications without first submitting article to Bureau. W American RR Corp- 10;6 Fed Tel Co 10;7 To Cutting & Washington-Reply to let of 10;6 10;10 Wireless Spec Apparatus Co - 10;21
448996	10/4	To Cdt Washington	Reqst representative of radio test shop be present at conference room 2423 on 15th W
449408 Above	10;10	To Mr C Swayne	Replies to lett of Sept 4th informing him about app removed from German Vessels. W

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.
449006	10/6	To CO OHIO	Fwds four copies of Bureau of Standard circular 74- radio telegraph. W
449796	10;1	Fleet Sup Base	Reqst copy of Bu shipmt order of 8th cov radio material. W To Fleet Sup Base 10;10
449922	10;7	Phila	Conf tel conv in con with radio app for Santa Rita, Nevada and Isabel.
449010	10/7	To Anacostia	Assignment of radio research problem 32- W in re to new method of re-rad of radio signals.
449659	10/9	To S&A	Shipmt reqstd from New London to NY radio appr for expr work. W N.Y.; material received Nov 10; W To N.Y. 12/2
449650	10;8	TO S&A	Radio app, sale to Midshipman. W

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
447110	9/25	To Cdt IM's	Change in semi-monthly radio report- radio telegraph- Req subm monthly- W	
		Ports - monthly report - 3/16	Ports,-Monthly report,-radio. 11/1.	
TO CARD		Ports- Fwds monthly report 12/15	Ports- Fwds radio reports. 12/1	
324		Ports- Fwds radio report. 4/14 W	Ports- Fwds report 2/4	
			Ports- Monthly report 3/2	
447111	9/25	To Boston (T)	161124 Buseng desires report Hammond Interfleet set be not inc in semimonthly report until report of this test has been vised by this Bureau W	
			Boston-Fwds report on test on Hammond interfleet set. 9;27	
447120	9/25	To Bureau Steam Engr.	A. Cossley radio aid subm report of radio Leader Gear for Harbor engr ance work. W	
			To T.M. Ny- Fwds reports on experimental work recently at New London Sub.Base. 9-27	711-5
447117	9/25	To Commanding Officers Manley, Belknap, Harding	Authority for A.M.Trogner to visit ships and inspect radio equipment. W	
447523	9/27	To C&R	Reqst expedite work-standard installn on Pa., Arizona, Nevada, Okla, Fla and Utah. W cc to Atlantic Fleet	
	Fwd C&R 10/18	RB 10;28	C&R-Copy of let to Yrds directing expedite work. 10;3	
447735	9/27	To New London	Fwds data on experiments conducted by Bur rep on visit to New London. W	

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Number.	Date.	From or To—	Subject.	
488242	9;29	C&R 911	Copy of letter to various yards fwd prints of proposed stand method of rigging insulators on battle ships. W	
448465	9;25	MI	Reqst policy concerning new radio instal for battle ships listed assigned to MI. To MI 10/3	W
448034	10;1	Inspr GE	Cannot sub estimate or details from present infor. To Inspr GE (T) 9/30 (Re attendance conference radio control of battleships Mr. Beekman) To Inspr GE (T) 10/2 Inspr GE-Tel- Mr Beekman will be present on 6th. 10;3	
448027	9/30	To Fleets CO's	Radio telegraph- new standard installation for battleships- will issue shortly instruc book covering. W	
~~449043~~	9;30	New Orl Wrong Entry	Quarterly inspec report of Port Arthur Sta.	W
448787	10/2	To CO'S Battle Ship Div- 5, Pacific Fleet 10:10 CO TEXAS- 10:13-Sub report of radio app on brd. CO ARKANSAS- 10:15 To S&A ship from NY to Washington 11/18 radio British equipment on board 11/1 CO NEVADA 1/6	Dispositon of British apparatus- Reqst subm report giving list of British radio appr recd on board while in European waters. W CO DELAWARE 10:6 CO OKLAHOMA-10:8 CO NEVADA 10:10 CO WHYOMING-10:15 Atlantic Fleet-Fwds correspondence in con with disposition of Brit apparatus. 10;21	

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APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.	
443992	9-3	Dist Comm Supt	Copy of letter to Director Communication calling attention to reduction of communication activities due to lack of personnel. (cross) Employes Radio	W
444718	9-4	L W Brillhart	Rqst permission to purchase dismantled radio set.	W
444818	9-10	Puget Sound (T)	1 KW spark sets complete- Columbia River Shipbuilding Co asks purchase surplus. Rqst price. o Pug Sd(T)- No surplus stock one KW radio transmitters or receivers for sale.	W 9-13
444864	9-10	Communications	Submits copy of letter from Radio Electric Co rqstg info as to sale of used equipment. fwd S&A 9/23	W
445211	9/5	To Comdr S. A. Taffinder	Permission granted to publish article entitled "The Influence of Recent Radio Development on Naval Tactics and Stragey by Comdr S. C. Hooper granted 3/8/19- No record of article referred to in letr of 8/20 to SE 9/5 fwd Annapolis- 9/12 Naval Intelligence 9-5 Influence of Recent Radio Development on Naval Tactics and Strategy- Re approval to publish article by Comdr Hooper, Naval Institute.	

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
445241	9/15	To S&A	Req ship from Norfolk to N.Y. radio equip removed from USS KONINGIN DER NEDERLANDED W RB 11-29	
445958	9-11	Atl Fleet	Radio telegraph report of progress of work on standard installation W	493
445908	9/19	To Cdt Washington	Alteration of type number- W	
447287	9;13	MI	Fwds drawings. W	
447046	9/23	To Naval Intelligence	Reqst for authority to publish attached article, Comdr. Hooper. W Fwd Naval Intel 9/23	
447523	9;23	Atl Fleet	Sub report of progress of work on stand instal. W	

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Number.	Date.	From or To—	Subject.	
441678	8;20	KC Co	Reqst copy of type number book. W To K & Clarke Co-name placed on mailing list 8/28 K& C Co.- Ask if new addtion has been issued 8/20	
442155	8;26	Naval Intel	Reqst infor re invention offered by Lt Co P E Stogor of Russian Navy to U. S. Navy To Naval Intelligence- reg refer reqstd to Admiral Smith Inventions 9/11	
441427	8-27	To Supt. Public Documents.	Bur verbally informed that there are on hand and available for issue several copies of "Report of Inter-Departmental Board appointed by the President to consider the entire question of Wireless Telegraphy in the Service of the National Fovernment"- Rqst 25 copies be fwd-	W
442583	8;26	9th Dist	Lists radio app rec at various stations.	W

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Number.	Date.	From or To—	Subject.
442718	8;27	Atl Fleet	Report of progress of work on various battle ships listed. W
441418	8/28	To S&A	Req take action to obtain material from various yards covering proprietary and non-proprietary articles of class handled by distributing yards, and sub in accordn with Circ letter of 7/11/18 to SO's Ashore W
442905	8;27	Phila Copy	Tel-Com between Sharples and Whygant regarding loops for sub rec Nev and transf for Camden. W
442793	8;29	Com Legislation 1664	Reqst estimate cost production naval radio station, infor reqst by Committee on Naval Affairs. CW To Com fwds list 9/3

APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
440177	7;18	CO PREMETHEUS 6	Reqst latest radio plans. W To USS Prometheus-Fwds plans and spec. 8;23	
440814	8;23	Boston Tel	Recs test be auth. W To Boston-Tel-Set not rec by Bu. 8;25 To Boston-Sub result of test 8;25 Tel Boston-States test delayed. W 8;30 To Boston-Reqst rpints be fwd 9/3	
440176	8;15	CO PREMETHUS 6	Reqst radio bulletin of type number.	D
440446	8;18	Washington	Sub comments on changes in radio co-ordination scheme. W	
440575	8;8	MI	Descrip and operation instruc for radio instal on vessels listed, fwd. W	
440633	8;19	Com	Reqst statistical data listed regarding radio station be fwd. W To Com- furnishes info, re data of stations 9/4	

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Number.	Date.	From or To—	Subject.	
440690 687	8;18	Atl Fleet To Pacific Flt- fwds copies of SE letr of 8/25 to Atl Flt 9/23	Stand instal for battleship, recs plans be so operator can be in a single booth to transmit. W To---Bur considers requirements of Fleet Instructions #11 would be made as outlined- 8/27 Atl Fleet 9-4 Fwds prog reports from Battleships	
440809	8;22	To Wash-	Fwds copy of Interdepartmental Radio Conference.	
440682	8;15	Atl Fleet	Sub report of progress on various battle ships. W To Atl Flt-	
440555	8/20	To S&A	Req canc. of SO of 5/29/17 from Wash to Chash radio appr for stock W	
441324	8/22	Atlantic Fleet	Progress of work on Standard installations on various vessels listed. W.	
441381	8/21	A. A. Woodruff	Rqst inform as to where radio equipt may be purchased. W. Fwd S&A 8-27	
440811	8;22	To Lab	Fwds copy of Inter-Departmental Radio Conference. W	

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Number.	Date.	From or To—	Subject.
436200	8/5	To S&A	Reqst investigation of situation, rel to removal of material title A from destroyers being placed out of commission, and fwd info what procedure proposed for care and opr. W
437220	8/7	To Fleets & European Forces	Req bring to attention of Commanding Officers that forms NSE 25 B when submitted should show every piece of radio material on board with full description, including plate data 898
437002	8/8	To Cutting & Washn	Req fwd to MI one vandyke copy of prints listed W To MI- cannot fwd remainder of drawings 8/14 fwds one vand and two print copies/
437608	8/9	To Asiatic Fleet	Bur has prepared list of questions for use inspection of radio material on shipboard and at shore stations in various naval Dists. fwds copies W To Pacific ditto 8/9 To Atl ditto 8/9
437933	8/9	To Cdt Charleston	Fwds vandyke of sheets, req info number of sound proof booths of each type on hand. W Charleston-Reqst further information. 8;23 Charleston-Status of material on hand. 8;26 T To Charleston-Tel-Infor reqst being mailed. 8;26 To Charleston-Tel-Reqst reply to let 8;20 8;26 To Charleston- Fwdg 1 copy of letter as rqstd- 8/27 Charleston 9-3

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Number.	Date.	From or To—	Subject.	
439151	8;11	International R T Co	Asks if it is still nec to furnish weekly production report.	
315207	FROM CARD 201 To S&A- Reqt shipment amplifiers from Wash to M Is. 12231 RB 2/12 Fwd S&A 2/21 OHIO; request radio apparatus listed be furnished vessel; 2-24; To S&A shipmt from Ph to OHIO radio appr for 3/17 To S&A amenemdnt 3/18 Ports- Lists radio material urgently needed for Eagle 57.X 2-2-6 3/22 S&A Circular-Lists material which should not be issued on requsn.2/26 Mare Island 3/19	Fwds copy of SE letr of 6/13- 8/13 To CO ARIZONA- Reqts further information re subject matter in order to locate correspondence. 9-13 TO S&A-Reqst shipmt from Wash to New Orl of 2 vacuum tube detectors. 10;8 RB 4/12 W To S&A shipmt from Washington to CAMDEN 11/11 Mare Island 12/19 To M Is- Arranging for shipment of amplifiers. 12-30 To S&A-1.27 To S&A 1/29 RB 2/10 To Phila 1/30 copy S'A To IM Ports. EAGLE 57) radio matrl for	3/25
439220	8/13	To Great Lakes	Fwds bulletins for use in conn with Radio School W	
439235	8/15	To Phila	Asks info what purpose gaps are intended and upon what data the number being mfg was computed W Phila 10;3	
436210	10;25	Cavite	Reqst further instructions.	W

TO CARD 257

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APPARATUS; RADIO

Number.	Date.	From or To—	Subject.
437002	7;26	MI	Reqst vandykes and prints of radio app listed be furnished. W To GE- Req fwd prints 8/9 Cutting & Washington-Are fwd vandykes listed to MI. 8;13 To MI- prints fwd by Cutting & W on 8/13 8/15
436989	8;2	Com	914 600-2 Memo on organization administration and operation of fleets and shore estab. and co-ordination of fleet estab by Com. W Re address of Co Wygant Com.
437310	7;28	H J Ryan	Reqst list of books and booklets pertaining to radio work for amatures.
436567	8/4	To Bureau Standards	~~Req fwd info and data of personnel of Radio Section~~ Req all info and data contained in file be available to personnel only W

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Number.	Date.	From or To—	Subject.	
437453	8;4	Phila	Fwds various radio drawings, W	
437215	8/6	To AMPHION	Reqns not approved for vacuum tube detector. W	
436218	8/6 Phila 9-9 Reports status of surveying matrl recd from overseas. (x 787-8) fwd Phila 9/20 Phila-Reqst approved disposal of radio material 9;29 Phila 9-17	To Phila Fwd S&A 10-31 RB 11-24	Lists vessels and asks why material title A removed from without author SE W Pg Sd - 8;15 To Cdt Phila 10/3 Fwd S&A 8-13 R B 9-3 To Phila, summary of radio equipment 9/3 Wash 9-4 SYLPH only vessel involved	
437222	8/6	To Major Gen Comdt USMC	Rel to bulletins for use of Brigade Comdr 1st Bridg Port au Prince Haiti and 2nd Brigade Comdr San Domingo Haiti. W	
437639	8/2	Atlantic Fleet	Instruc in conn w report to be submitted by vessels on progress of work on standard radio installns W	493

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
432749	7/17	To European Forces	Tel: Bu understands nineteen cases French radio app consigned Washington Yd being held at Brest req be advised status this material W	
433725	7/22	To Bu Standards	Req when sub results of various research problems to Bureau that recs be made as to what particular use problem may be applied W	875
434593	7;21	Ph	Conf tel conv in con with removal of arc set from Tuckerton Station, instal 2 kw radio set on Cassin and instal wave charging unit on N. H.	
434719	7/24	To Operations	Reqst questions be added to inspection form 71 W To Comdr Chief Atl Fl- questions suggested for addtl to quarterly battle inspections 7/24 To Pacific Fl- ditto 7/24	
434720	7/24	To Asiastic Fleet	Suggests questions be included in quarterly battle inspecion of each vessel and in other inspections which Comdr Chief deems advisable. W	

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.
434725	7/25	To Bu Standards	Reqst apparatus del to Dr. Foote be calibrated W Bu Stand-Fwds duplicate certificate of test on thermo. 8;26
436071	7/30	To Lord Baltimore Press Co	Fwwds cuts for fiftieth edition of Robison's Manuel. W
436076	7/30	To C&R 902	Fwdg vandykes of drawing, and reqst that all yards be carefull in installing booths on battleships. W
436218	8/1	To Comdts IM's Atl Fleet Pacific and Asiatic Fleet.	Reqst situation of radio material title "A" being removed from vessels being placed out of commission be investigated, and fwd info why, and what procedure is proposed for care and preservation. W To Phila ditto 8/6 RB 8;16 Phila 10;25 N Y 10;9 To S&A- asks comments re above 8/13 Phila-Recs in con with handling radio material. 8:15 Key West- 8:18
SEE 243		Norf 9-4 Submits list of Ex-Merchant ships and Sub-Chasers from which app has been removed.	
		Ports-Gives list material removed from ves going out of com. without	
436571	8/2	To IM NY (Bu auth 9;23)	Directs mrg of portable ba tle radio control boards be discontined. W

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
429987	7;1	Phila	Conf tel conv re app for Cassin, Nev and and antenna for destroyers.	W
430922	7;5	Phila	Conf tel conv in con with equip for Nevada, app for CASSIN and WAINWRIGHT, material for antenna trunks, also reqstn for radio tel in store.	W
430491	7/7	To N.Y.	Tel: Urgent reqst audion battery charging panels type three six naught two A be install in radio rooms all battleships assigned to Pac Fl while su such vessels are avialable period take panels from stock will l be replaced from Wash W	
429954	7/7	To Phila	Commends special radio report on "Data for contruc of an Undamped wave gen for use in Lab Measurements of radio frequency"	W
431390	7/9	Atl Flt Copy	Recommends as much of radio installation be made on battleships Atl Flt pending Navy Yd period- recommends battleship and Force Flag Ships be equipped with standard receiving booths and motor buzzers transmitters- W.	493

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
431093	7/11	To NY	Instruc rel to submitting inventory cards and material sheets. W NY 7;23	
431382	7/12	To S&A	Lists radio material, integral parts of ship and permanent fittings or ordinarily non-transferable fixtures, charge under title "A" be as given. W	
431854	6;25 7;10	R J Fitzpatrick Com	Reqst infor re sale of gov owned radio app. Fwd S&A 7/15 (J.H. & C.K. Eagle reqst info re sale of radio app by Natl Revenue Com. W	W
430507	7/15	To Comdts IM's Fleet Supply Base.	Reqst report of material on forms NSE 307 and 307-E W RB 7;25 To Norf 7;18 Rb 7;28 To MI returns copies of Cir letr sent in error 8/5	
432264	7/15	To Cayey	Fwds instruc book and vandyke for use personnel station equip installed FED Co. W	
433152	7/17	To C&R	Reqst C&Rdevelop blower suitable for requirements and subject to approval of Bu. W C&R -Fwds specifications for ventilating sets for sound proof booths. 10/31 To C&R- vessels which desire new ventl sets 11/29	

APPARATUS RADIO.

Number.	Date.	From or To—	Subject.	
425991	6;11	MI	Reqst drawings of radio app listed be furnished. W To MI Bure has reqstd Fed Co to fwd prints 8/9	
425977	6-18	To Comdt Boston	Reqst fwds three sets of vandyke prints W Phila-Fwds vandykes of radio reports. W 7;15	
426694	6;18	Lowenstein Co	Reqst vandykes showing details #226 fwd Washn 6-21 RB 6;26	
426261	6-21	To CO's	Reqst fwd forms 269 showing radio app installed on vessels W RB 7;9 To CARPODONIO)-Reqst req to letter of 6/21 7/29 To SANTA HELENA req eply 7/29 To COLUMBUS req reply 7/29 To PATRICIA req rep 7/29 To BURCHARD req reply 7/29	
426799	6-21	To Comdt Yds	Reqst copy of special radio reports R-3A be fwd for research secti n of radio divn. Phila-Fwds copy of spec radio reports. 7;15 Pg Sd 7;10	
427741	6;14	T Johnson, Jr.	Sub report of investigation conducted 6;7 to 14th in con with radio app. Cross to 493	

Number.	Date.	From or To—	Subject.	
428017	6;16	MI	Reqst two copies of semi monthly radio report be fwd. W MI 10;24 TO M. I.- Cannot grant reqst' 10;31	
427655	6/24	To Firms	Fwds bulletins "Instruments Spec for Radio Apparatus" superseding previous - W Boston 7;25 West Elec Co- 7;30 To Weston Co- asks cooperations in modifying requirements by furnishing data 8/11 To Boston- Type Numbers and Model Letter Instruction Bulletin rqstd is not ready for distribution- 8/27	
428515	6;24	Ph	Conf tel conv in con with location of 30" trunk for main antenna shipmt of transm for Nev, allotment for shore station personnel and sub antenna plans, also radio app for CASSIN.	
429140	6;27	Wash	Reqst that arrangements be made so that blue prints and special report be sent to radio test shop.	
428997	6/30	To Comdts, IM's	Reqst set of prints of all radio special reports on file at yard be fwded. W To NY-Acknow receipt of prin of reports req fwd copies as reqst letr 6/30 7/12 NY-Fwds vandykes of spec report. 7;21 Pg Sd-Fwds vandykes. 7;25 Washington-Fwds vandykes. 7;30 MI-Fwds various vandykes. 7;17 Norf- Fwds report. 12/19	

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APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.	
422920	5;1	C D Reinhardt	Reqst names of vessels and shore station at which E J Simon's app has been installed. C D Reinhardt-Reqst reply 5;26 To E J Simon Co- cannot give info reqstd 6-4	W
422084	5;26	GE Co	Proposed cont between gov and proposed new All American Radio Co, asks if sat to show same to Mr. Nally	W
423156	6;3	GL	Sub list of radio app rec, meters will be shipped to Phila to be recalibrated. 9th Dist-Tel-Material shipped to Ph. 6;12 To Comdt 9th 10 11th Dist Tel 6-11 To Washn- re shipment of appr c to Comdt 9th 10th 11th Dist 6-18 To Phila- req wavemeter be no calibrated by ship to Washn 6-18 Ph-7;5	W
423728	6;5	Phila	Conf tel conv in con with radio app for CAMDEN HANCOCK OHIO also in con with instal on tankers at Cramps.	W
423781	6;6	Washington	Reqst for confidential report now held at Bu.	

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Number.	Date.	From or To—	Subject.	
423953	6;5	Inspr GE	Hold up of order on acct of credit of Fed Co, sug Bu take action in con with.	W
424006	6;7	American RR Corp	Thanks Bu for adding name to list of bidders for schedules, cov machine works.	W
377167		FROM 2 09	Fwded C&R- Concurs in recs penumatic tubes. 6-10	W
421887	6-11	To Operations	Auth reqst proceed in accornd with conference report of SE and Fleet Radio Officer- also battleship be named for expr work. W To Sec'y- rel to assignment of vessel 6-12 Dept 6;28 To Operations- rec made in letr of 6/28 again reqstd that OHIO be assigned as radio testing ship 7/21 Dept-Ohio now in reduced commission at Ph., designated for radio experimental work. Cross to 323-8 8;2 To C&R- recs changes as itemized 8/5	

APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
420858	5;7	European Force	Sub report on radio activity and inspec to be made by Admr. Griffin and Sec Daniels while visiting Europe.	W
420937	5;24	Norf	Reqst four copies "Principles Underlying Radio Com"	W
420980	5-26	To Puget Sound	Reqst fwd two vandyke copies of special report RS 3A 112A prevention of interference from the armospheric and other distrubances W Pg Sd-6;4-Fwds vandyke copy of spec report on prevention of interference. W 6;4	
421470	5;21 West Elec Co 6;18 Fed Tel Co-Are fwd vandykes to MI- 6;27	MI	Reqst radio drawings listed be furnished. W To Firms reqst fwds drawing to MI 6-5 Crocker Wheeler Co 6;6 Dublier Con Co-Vandykes fwd to MI 6;6 To Comdt MI fwds prints 5-10 Manhattan Elec Sup Co.-Prints of hand key to be fwd to MI.	
421729	5;27	Ph	In con with radio instal on Warrington, ALA. and Hospital Ship #1	W
421556	6;13	N L Exp Station	Material being packed for shipmt. Tel	

APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
421151	5-27	To Washn Yd	Assigns type number as listed. W	
421552	5-29	To S&A	Req ship from New London to Fleet Base all excess radio material W R B 11-28 To NL Tel 6-11 To New London Tel 6/21	RB 12/4
		NL-Material being invoiced and classified. Tel 5;23 NY 7;23		
421478	6;10	Deforest Co	Fwds vandykes of audion control box from MI.	
421558	5-31	To U S Fleet	Fwds cy of inspection trip made by expert radio aid B R Cummings, and Lt. W A Eaton. W	
422885	5;30	U S Fleet	Instruc re issue of radio app on Brd SUPPLY-NEVADA AND GLACIER.	W
422105	6-3	To American R R Co	Reqst fwd cy of reports listed. W American RR Corp-Fwds report on gen sets. To American R & R Co- acknow receipt of copy of reports 6-19	6;14
422108	6-3	To NY	Reqst fwds drawing. W NY 8;10	
422938	6;3	S&A	In con with estab of stand stock of radio material at various yeards. To S&A compiling list of radio material std stock 6-12	W

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Number.	Date.	From or To—	Subject.	
417142	5/9	To European Forces	Tel: Reqst all radio material which was pur from French Gov be shipped Radio Lab of Stds Washington. W.	787-8 bu
418684	5;15	Pearl Harbor Tel	Reqst special subterraneum rec cable be fwd.	W
153166	5-16	Card 153 To NY	Advises flagships will continue to be equipped with arc sets located in main radio room	W
419340	5;17	MI Tel	Reqst authority to ship radio app from MI to Guam, also reqst expedite delivery of other radio app to MI yard. To MI Tel 5-20	W

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
419525	5;17	Phila	Conf tel conv in con with plans for sub app for Partridge and test of arc transm.	W
419349	4;28	Mine Force	Copy of letter to CO BLACKHAWK giving instruc for issue of radio app.	W
418827	5-19	To Phila	Reqst sub form 307 reports amt of radio compass material on hand, all afterwards form 30VE Phila 6/13- Fwds inventory cards.	W
420199	5;16 5;21 To Shipping Bd- fwds copy of letr Toldo Spec Co 6-6	Toledo Radio Spec Co Com	Infor re facility for repairing radio app of every descrip. W Cross to 793-1 To Shipping Board- fwds cy of Toledo Radio Spec Co letter 5-23 T o Toledo Corel to letr fwd to Ship Bd. 5-23 Toledo Radio Specialty Co 5/28- Rqst oppor to submit quotations - W To Toledo R S Co- info reqst letr 5-28 6-6	
420877	5;22	Phila	Conf tel conv in con with shipmt of 2 kw gas driven radio set for Cape May, instal of bat on Long Beach, test of 20 kw arc set to be installed on tankers built at Cramps Co, and shipt. of 12 kw bat charging units.	W

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Number.	Date.	From or To—	Subject.	
900-4355	5/1	Wash	Recs date of delivery of equip be postponed due to nec change and details of stand bat ship radio equip. W.	706
416813	4;24 5;7	European Force S&A	Filament bulbs not rec.	W
416820	5;7	NY	Reqst drawings pertaining to gen arrangement radio apparatus ventilating system, etc. To NY- fwds prints of drawing 5-10	W
416746	5;7	Inspr Fed	Fwds Fed Co drawings showing details of round anoid type for use with stand arc cony. To Inspr Fed approves introduction of new type anode tipe arc converters as show on Fed Co drawing F 15511 5-14	W
416801	5;6	Wash	Norf Yrd req arc app delivered to that Yrd from Wash for storage purposes be removed. To S&A req ship from Norf to Washn radio material W	W

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APPARATUS RADIO

Number.	Date.	From or To—	Subject.	
416298	5-7	To Norfolk	Reqst correction of material sheets. W	
416308	5-7	To S&A	Reqst shipment from Fleet Base to Washn radio telephones and battery charging panel for radio test shop W	
416276	5/5	European Forces Copy	9846- request special attention be given to radio personnel on - also to apparatus - W.	342-6
416607	4;30 5;6	R E Robinson Co Experiment Station	Spec radio work in con with funds adv to Mr Peters. To Expr Station- reqst return of radio material to Radio Lab Washn 5-9	W
416309	5-8	To Comdt MI	Rel to letter of 4-24, info as to whether type no bulletine RE 15A 107C superseded completely RE 15A 107A- alphabetical arrangement preferable. W	
416418	5-8	To Supt Naval Acad Annap.	Fwds 8 copies of instruc booklets. W	
417883	5/13	Eo European Forces	Reqstd that Comdr of US Nav Forces fwd to this Bu a complete report re to radio appa installed and in store in Europe. W.	787-3

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
413239	4-26	To Pg Sd	In con semi monthly report. Pg Sd 6;3	W
413759	4-26	To NY	Desires information regarding shipment. RB 5;27	W
413967	4;28	To Phila	Reqst drawings. Phila-Fwds drawings 5;8	W
414950	4;28	Cutting & Washington	Report Cutting& Wash Corp going out of business and new Co Cutting & Washington Radio Operation being incorporated with offices in NY.	W
28770-	4/15	NY	10 KW marconi sets for Battleships & battle-Cruisers- asks if still required W	629
415184	4;30	Boston	Reqst instruc in con with radio apparatus. W To Boston-Gives disposition of radio app. 5;3 Boston-Reqst amend survey. 5;7 Boston 10;28 To Boston rel to disp of radio matrl 11/12	
415730	4;30	A J Hurwitz	Asks if Navy has any radio apparatus for sale. Fwd S&A 5-8 To no info 5-16	W

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Number.	Date.	From or To—	Subject.	
415283	5;2	To Pg Sd	Fwds booklets.	W
415736	5;8	TO S&A	Received back 5;12	
415884	5;2	Sub Sig Co Wrong Entry	Fwds inspec blanks cov inspec of sub sig app vessels listed.	LC
415896	5;4	Memo for W Div	Simulteneous use of radio tel also use of wave lengths under 25 meters being devel. by GE Co, instruc in con with nature of.	W
415282	5;3	To NY	Fwds vandyke.	W
415914	4;30	Inspr ER	Serial number of radio instal, sug Bu obtain from Vessles. To Inspr Beth Co- rel to serial numbers of component parts. 5-14	W
416280	5;5	E J Simon	Reqst infor re proposed sale of radio steam ship owners. To E J Simon- gives info, advises if further desires make inquires of US Shipg Bd. cy to Shipg Bd Divn. Operations. W 5-8 To Shipping Bd- fwds cy of inquire of E J Simon re above 5-9	W

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APPARATUS

Number.	Date.	From or To—	Subject.	
411872	4-18	To GE Co Tel	Admiral Bullard and Comdr Hooper will attend conference NY Mond ay ten AM W	
411229	4-16	To NY Tel	R adio arc sets ~~TEXAS FLORIDA UTAH WYOMING~~ and ARKANSAS will be used in conn w trans atlantic lfight inspec and mack nec repairs W	736-19
242093 see 129	4-21	To Norfolk	Asks status of radio material W To NY- asks status of material W To Boston- asks show listed material avail at yard, in reporting of cards. W To Norfolk- reqst correction of status of all radio material 5-8 Norf 5;17-Change in radio material stock card. ~~5;17~~ To Norf- instruc re invent cards 5-24 To Norf- reqst carry out instruc 6-13	
413012	4;22	Fed Tel Co	Fwds application for type number for certain parts of 2 kw radio arc converter. W To Fed Co-Assigns type numbers 5;3 Fed Tel Co 5;6	
412600	4-22	To Washn	Fwds copy of drawings. W	
411245	4-18	To Washn Yard	When tests complted tubes and testing appr are to be kep in stock pending instructions W	898

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[OVER.]

Number.	Date.	From or To—	Subject.	
413312	4;23	Phila	Conf tel conversation relative to radio sets for destroyer ILL.	W
413226	4;24	To Phila	Req fwd 2 vandykes copies of drawings. Phila-Vandykes cov measurments of elec instruments of interfleet antenna. Cross 875 4;28	W
412946	4-23	To Commandts & Mgrs	Req recs be submitted to Bu with view of of establishing std radio ma erial complement of each radio activity in each naval dist. W	632
413641	4;24	Fed Tel Co	Arc converter to Washington for test in 1918, asks if Bu will release same.	W
413900	4;25	NY	Arc set of NY, Utah, Fla., Why., and Arkansas, status of work on.	W
414139	4;25	Phila	Conf tel conv in con with radio instal and radio compass pamphlets. Ill, Ohio, Blackely, Biddle, Dorney and Dupont.	W

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Number.	Date.	From or To—	Subject.	
407404 see 222)	4-14	To War Dept	Fwds bulletins. W	
			To Phila ditto 4-14	
			To Boston ditto 4-14	
			To Norf ditto 4-14	
			To Pacific Fleet ditto 4-14	
			To Marine Co ps- fwds bulletins 4-15	
			To European Forces 4-15 ditto	
		NY - 5;15	Norf-Material received. 4;16	
		Phila 5/13	Pg Sd 4;11	
		NYS - 5;16	To Bureau Stds- fwds bulletins 4-16	
		Bu Stand-Acknlges receipt of letter- bulletin. 5;15	Charleston-Bulletins received. 4;15	
			Marine Corps 4;24	
		To US Fleet- fwds cy of bulletin 5-21	To Phila-Fwds type no bulletin. 4;29	
			Phila- 4;30	
		U S Fleet 5;28	Battle Ship Force #1 - 4;29	
			" " " #1 - 4;30	
			USS FLEET 4;22	
411045	4;12	USS FLEET	Fwds report and recs on fleet radio material based on performance during the winter of 1919.	
		403		
411048	4;9 4;14	John Mayer COM	R M Maer req Navy Dept purchase app belonging to him, loaned to section base 6 fwd Comm 4-17	W
34421	4/14	Wash	Recommends Internatl. R/T Co. be required to number products for testing labratory serially beginning with 1, for every type number. W.	629

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Number.	Date.	From or To—	Subject.	
411424	4;11	MI	Req two copies of semi-monthly report sent to Yrd in future.	W
411524	4;11	Pacific Coast Super.	Fwds report between 2 kw arc and one kw spark radio sets on BRD USS COCONINO.	W
411571	4;15	Boston Yrd	Instructions in applying for and for use of type number assigned radio app, recs substitute paragraph to overcome ambiguity.	W
411578	4-10	To Comdts,	Fwds one copy of Semi-Monthly radio report RE 2A 196A	
412062	3;31	West Elec Co	Fwds copy of paper prepared by Messrs. Craft & Colpitts presented to American Inst. of Elec Engrs. To Western Elec- req fwd 10 addtl 6-10 West Elec Co 6;17	W
410890	4-18	To Phila	Reqst fwd two vandyke copies of drawing RL 69 F 165. W	876

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APPARATUS

Number.	Date.	From or To	Subject.	
407176	4-11	To Washn	Re contemplating installn of low power undamped transmitters aboard vessels, asks recommendations W To -- Design Problem No. 12 is designated as complete. 12-18	
409617	4-11	To Comdts, Mgrs,	Mailing Supply Officer copy of pamphlet issued by Bureau assignment type numb r to various radi material, asks follow instruc. W New York 5;22 To NY- fwds cy of pamphlet 5-31	
410737	4;14	15th Dist	Complete file of all circular letters, orders and forms pertaining to radio material, req. To 15th Dist- fwds cy of circular letters interest to Radio material officer. 4-16	
8 410790	4;12	War Dept	Fwds copy of radio pamphlet entitled " Principles Underlying Radio Com". W To War Dept- acknow receipt of 4-16 Phila-Fwds vandykes. 4;26	W
409991	4-12	To S&A	Reqst shipment from Fleet Base to Norfolk radio material W RB 5;2 Fleet Supply Base- 4;17	
410176	4-12	To Comdts. Mgrs,	Fwds copy of RE 66F 167A, ground system for 7500 ton concrete oil tankers. W Charleston- 4;15	
410693	4;22	Phila	Fwds drawings.	W

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Number.	Date.	From or To—	Subject.	
408636	4-9	To Washn	Fwds copies of lists, W	
410077	4;8	Cambrill Elec Co	Req fwd specification of wireless key and of apparatus .	W
410071	4;10	Nav	Classes of radio or wireless elec used in Navy, fwds req for Mrs. K B Shart.	W
409429	4-9	To Phila T	Forward two sets of vandykes of RL eighty F one naught seven and RL sixty nine F one naught three W Phila-Fwds drawings cov radio compass house, etc. 4;11	
409938	4;9	International RT Co	Req authority to replace radio equip also loan of airplane sets. To Internatl Co- authorizes use of one trans for exhib purposes at Bu Stds. 4-16	W

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Number.	Date.	From or To—	Subject.	
408869	4;6	E P Edwards (G E Co)	Makes appointment with Admr. Ballard and Co Hooper in New York. Tel.	W
408952	4;2	Inspr Fed	Calls attention to fact that Pathe Film Co took pictures of factory in operation Fed Tel Co, Cross to photoes and publicity.	
6 377894 see 210	4-7	To Adams Morgan Co.	Quotes for info, circular letter in re to sale of radio equipment W To Com ts- re secrecy of radio appr devel of mfg for dept 4-17 To Phila- asks all matters be considered confidential including drawing specfs 4-24 To GE Co- desires status before war be established 6-13 To Western Elec Co - no objection to matrl being supplied Fed Co as on list of approved radio app mfg 8/28	
408558	4-7	To Prof. R. A. Fessenden	Lists radio apparatus used in general W	
408634	4-7	To Washn Washington 5;28	Reqst appr be mfg at yard, estimates approved in advance W To Washn reqst estimates be fwd 5-8 To Wash- instruc canc 6/26	

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APPARATUS

Number.	Date.	From or To—	Subject.	
408635	4-7	To Washn	Re modifications of standard battleship receiver, reqst assemble Models E F G receivers, reqst addtl equip be mfg for IDAHO- W	6
409539	4;8	Westinghouse E & M Co	Req authority to purchase vacuum tubes etc. for test radio app being mfg by them. To- asks further info 4-11	W
408846	4-8	To Comdt Washn	Acknow receipt of instruc books W	
408847	4-8	To NY	Reqst inspection be made telephone transmitter Fire Is Lightvessel W New York 4;25 678	
408869	4-7	To E P Edwards GE Company	Tel; Admiaral B ullard and Comdr Hooper will be present your NY office tomorrow Tuesday ten am W	
409798	4;8	Ports	Fwds five page req for vandykes and radio apparatus. To NY-Reqst fwd set of vandykes prints. 4;26 To Ports-Fwds vandykes prints. 5;3 NY 5;15	W

Number.	Date.	From or To—	Subject.	
404860	3/22	Naval Intel	Fwds package of delco radio apparratus from Capt Evans Paulson	820
394366	From Card 217		Genl Radio Co-Lists material not yet paid for.	
		International R T Co-Sub list of contracts with BU. 4;3	MR Hutchinson - 3;29	
		Fed Tel Co-All equip being mfg for Navy Dept cov by cont. 4;21	American Transf Co-Sub list of radio app to be used by Navy. 3;31 W	
			Nathaniel Baldwin-Req payment of acct. 3;26 W	
			Dublier Condenser Co-Submits estimate of. W 3;31	
			Cutting & Washington-Fwds list of outstanding contracts together with copy of invoice, req payment be expedited. W 5;31	
			Driver Harris Co-Req. claim be settled.	4;2
406672	3-26	Expert Radio Aide A F Vandyke	Reports on condition of radio apparatus of Atl Fleet bad owing to lack of organization. Recommends standardization of apparatus, also general recommendations on use of radio telephones and aircraft and balloons rdio.	
406958	3/24	Pug Sd	Fwds alterations sheets of radio installation book for EFC vessels W	771-2
407176 see card 224				

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Number.	Date.	From or To—	Subject.	
337801		SEE CARD 20	To N Y---material is not req at this date and Bu authorizes cancellation of any reqn may have been prepared to cov pur of radio material. 3/31.	787-1
408096	4;3	Phila	Conf tel conv in con with 126 meter inter-fleet radio set spare parts box and radio tel repairs and 20 kw arc set for tanks.	W
407183	4-3	To S&A	Reqst shipment from Boston to Newport two cage type radio antennas. W	RB 5/24
406496	4-2	To Comdt Chief U.S. Fleet	Reqst further recommendation concerning furture construc in view of facts listed W ~~Improper Com 5/24- Rqst fwd drawings listed~~- R U S Fleet 5/6	
407404	4-4	To Comdt Boston, etc.,	Fwds copies of bulleitnes W	Phila- 4;14
		Charleston 4;4	Atlantic Cruiser - 4;8	Cavite 6;23
SEE 225		To Inspr NTS) fwds bulletin 4-11	To 1st Dist- fwds bulletins 4-8	
		To US Fleet- fwd buletin 4-11	New York 4:11 To Bu Stds fwd bulletin 4-11	
			Portsmouth 4:9 To Phila fwd bulleitn 4-11	
407708	4-4	To Com dt Washn	Authorizes mfg six 2-wire South entering fittings type SE 3527- W	

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Number.	Date.	From or To—	Subject.	
399499	3-14	To C&R	Gives statement as to standard requirements of size and location of varioud radio rooms and spaces on principal classes of naval vessels- W C&R 3-22 Submits information. To C&R- proposed location satis to Bu 4-2 C&R 4;23	
402190	3-15	To P. Banholzer	Can publish information re indicating depth orf water and locating hulls. (Original letter delivered by hand and returned to Adm. Smith. Not taken up by S.E.)	
403223	3;7	MI	Asks if Monthly bulletin is being issued, no copy rec. To Washn- reqst prepare specfns 4-1	W
403359	3;15	Boston	Fwds various radio drawings	W
403047	3-17	To Norf	Reports and issues of radio tele material	
403055	3-17	To N.Y.	Request information regarding ~~isfipment~~ on request NY-Gives list of changes ord.	W 3;24

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Number.	Date.	From or To—	Subject.	
403419	3-19	To Charleston	Re marking of material sheepts. W	
403680	3-19	To C & R	Re fireproofing battleships, radio teleg & topmasts- recommendations W C&R-Relative to fire proofing top masts. W 4;5	
403682	3-19	To Portsmouth	Radio teleg; change in stock card inventory rport W	
405078	3-21	Phil	Confirms tele convrns asking if any of protective release being mfgd at Phil were for destroyers.	
405110	3-22	Phil	Fwds various radio vandykes.	
404446	3-22	To Comdts, Mgrs,	Instructions re radio material inventory and stock card report system- Philadelphia 4;4 To CL- reqst instruc Pg Sd 4;10 be placed in effect at station 5-22	
405151	3-25	To Chasn	Reqst correct status of material be fwded, March material sheets fwded-	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
400791	3;7	West Elec Co	Req fwd drawings listed. fwd S&A 3-12	W
400722	3/2	Guantanamo	Commanding cheif has reqsted report on operation of inter fleet radio set W	12166
401189	3-7	Fwd Secty	Comdr S. C. Hooper reqst authority to publish paper on "Influence of Recent Radio Development on Naval Tactics and Strategy"--approval recommended	
400053	2-24	Mare Island	Rqst more detailed drawing of 5 KW arc sets be obtained from contractor - W	
395629	FROM CARD 218		New Orleans 3/1 Atl Fleet 3;5 Pg Sd - 3;11 European Force 3;11 To LD- fwds addtl bulletins 4-4 To European Force 2;26 Received back 4;7 fwds type number bulletin. New London Experiment Station 4;9 European Force 4;24 Cavite 5;11	

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Number.	Date.	From or To—	Subject.	
401650	3;11	Norf	Req advise type plans showing comp battle ship radio instal. To NY- plans reqstd in process of assemble 5-13	
400664	3-11	To Commander-in-Chief, Atlantic Fleet TO C&R-Fwd. 8;23 RB 9-5	Re location ofrooms on battleships now with fleet- To Tel 5-27 Atlantic Fleet-tel-Recs mailed. 6;3 To Fleet Tel 6-2 US Fleet-Fwds report of various vessels. 5;31 R B 7/3 in conn w proposed changes in radio installation on ship of Force #2- W.	493
401056	3-10	To N London T	Opnav 101214 your one two zero two one it is desired that all radio apparatus at State Pier be retained N ew London is storage space available	
399250	3/5	To Sec Interior	Requ Commissioner of Pa enet be auth to issue to Lt Cdr E H Loftin registratiom as attorney under Rule 17 of ru;es of Practice US Patent Office tc	674
400134	3/8	To Bu C&R	Ra io grpund system fwsd plan and req C&R appv for matter under its cognizances W	771-2
397961	2/28	To Sec Navy	Reqt Bu be authorized to expend radio eqpt. 2/28	771
394838	3-13	To Norfolk	Reqst place material for KONINGIN DER NEDERLANDEN in store. To Norfolk-instructions re removal of material 8/15 To NY re shipmt 9/16 Copy R B 12/12	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
397906	2;25	Klevoschmidt Elec Co	Sub report of changes in office personnel.	W
397617	2-26	To Phila	type number assigned to insulator is CH 1522- reqst revised vandykes be fwd Bu- To NY- no assigned is CH1429- 2-28	
359793 see card 201	2-28	To Comdt Sub Base NL	Advises re shipment will be fwd by Washn Yard when available- inst ruc booklet on transmitting and receiving sets-	
397619	2-27	To Phila	Reqst Radio Material Off taken such steps necess re material ship and system of supervis be instituted by which can keep posted re Ph-Status report 3;13	
397954	2-26	To GLakes T	Report status radio material inventory-	W
397955	2-26	To Newport RI T	T report status radio material inventory	W

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APPARATUS

Number.	Date.	From or To—	Subject.
397960	2-27	To Expr Station	Fwds two copies of instruc booklets for 5 KW radio arc transmitter type CT 1201 as mfg by F ed Co contract 85282
397623	2-28	To NY	Asks info re shipment listed- and reqst Radio off take steps re supervision of NY-Material shipped. 3;18
398579	3-4	To Comdt Phila	Fwds copy of drawings, W
398802	3-4	To Phila	Reqst expedite shipment of radio appr in shipment reqst as listed W
397862	3-5	To Wireless Spec Co	Asks corrected vandykes be fwded to Bu- To M1- re above- 3-5 Wireless Spec Co-Fwds vandykes showing productive device. 3;12
399241	3-6	To Norf	Reqst shipment be expedited-
399242	3-6	To NY	Reqst shipment be expedited NY-Report on status of material 3;11
399494	3-6	To Robbins and Myers Co	Fwds prints

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Number.	Date.	From or To—	Subject.
394841	2-15	To Geo. A. Campbell,	Lists radio apparatus shipt you. Rqst Bur be informed where matrl is now located- W American T & T Co 2/19 Gives inventory of apparatus at Bridgeport -
394838 see	card 220		American Tel & Tel 2;19 .Sub invoice of app.
395137	2-15	To Lt J C Cooper, Jr.	Lists radio app shipt you for experimental purposes- Rqst info as to where matrl is now located- W To American Tel and Tel C o- fwds letter address to Tel Exch Bridgeport listing material asks location of 3-3
radio receivers 3-10			To S&A req ship from Hartford to Washn
395455	2;8	MI	Asks if transf and motor generator shall be shipped to NY for test. To MI- reqst appr be held pendi g disp by Bureau- 2-26
395320	2/19	To COM. Wash.	States that B. fwds. sets of list RE)46A-108A. Giving component parts.
395629	2/19	To---Com. of All Nav.	Dist. States that B. will fwd. complete index of the Type Numbers issued to date To-States that . will fwd. complete index of Type numbers 2/24 (11 letters) To- Same as above. 2/24
To Bu Stds ditto 2-26			2nd Dist - 2;22
To Ports ditto 2-24			To Marine Corps- fwds bulletins 2-26
Brooklyn - 2;26			To Washn Naval C om ditto 2-26
Phila - 2;26			To Pier 19 ditto 2-26 Halifax - 3;4
Cruiser Force - 2;26			To Pacific Fleet- ditto 2-26
9th Dist 2;26			To Phila ditto 2-26
Charleston 2;26			To Atl ditto 2-26
Phila. 2;27 (2)			To Nar Dept ditto 2-26
To CO's fwds bulletins 2-28			
To NL fwds bulle 2-28 To Roch			
St Nazaire ditto 2-28			
to Boston 2/24 RE 3/5			
RADIO MATRL OFFICER FRISCO 2/28			

to card 220

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Number.	Date.	From or To—	Subject.	
396320	2/21	To Brockton Mass.	States that B. is unable to supply apparatus.	
396068 Old No.	3;8	National Research Council		
397016	2;21	Radio Apparatus Co	Rep will be in Wash 24th, req arrangements for interview.	W
397473	2;24	F B Jewett -West Elec Co	Despatch, conference to be held in Wash Thursday, or Friday. To FB Jewett T reply telg Thurs datis 2-25	
397863	2;18	MI	Outline of gas engine, asks correctness of. T o MI- advises class 73 covers gen sets eng when assembled as utit etc 3-8	W
397862	2;17	MI	Type No RE-15 A-105, asks what same cov.	W

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Number.	Date.	From or To—	Subject.	
392109	2-6	To Van Allen Lyman	Reqst furnish name of vessle in order to remedy source of induction in radio appr on board one of wood hull vesls of US Shipping Board- Balboa 2/21 Gives name of vessel - To Norf- asks inspection of WISKAH 3-8	recvg
393494	9;14;18	Com	Quotes from letter of Reif Cahel in con with vessels in Canal Zone for repairs radio apparatus.	
393078	4;2	Elec Cont & Mfg Co	Request action. To Electric Controller & Mfg Co- fwds print 4-24	
393705	1;16	European Force	Fwds form B 25 for vessels attached to France.	W
392113	2-8	To Ind Mgr Norf	Rqst info re radio stock card reports listed-	W
393029	2-8	To Ind Mgr N Y Yd	Rqst fwd vanykes of drawing RY 66F 135E - NY-Fwds vandykes. 2;25	W
393324	2-10	To Metropolitan Elec. Mfg. Co.	Fwdg 2 blprts of drawing RE 23F 125 rqstd	- W

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APPARATUS:

Number.	Date.	From or To—	Subject.	
393962	2;7	Thomas Nelson Sons	Will fwd proof of Mr Clarks article on Wireless Tel when received from printer.	
392512	2/1	To 4th Dist	Radio material in the custody of the Military store-keeper Port of embarkation Pier #38 Delaware Ave. Phila. Apparatus removed from U.S.S. Flint-W copy to Comdt Phila.	793-8
383135	FROM CARD 213 European Forces 2/11 Mare Island 7-10 To MI fwds pages 371A to 410A Mare Is 1 9-8 7/23		To 12th Dist- Fwdg 1 Type Number Book- Rqst ack receipt- 2/13 To MI-Type No bulletin. 8;28 Pearl Harbor- 1;29 (two letters) St Naziare- 24 US ALA. 5;2 12 th Dist - 2;21 US BALBOA 4;25	
394476	2/13	To C&R Class 111,125, 127,133,134,140,144,155, 156,171,183,187,251,252,268 296.	Installation of 5Kw arc transmitters in main radio,rooms eliminatiom of lower pip berth W	115-Q-8
384744	2/12	To Cahrleston SC	Re altenatives on destroyer REID TERRY ETC	Yc 609
394366 Card 222	2-14 Manhattan-Sup Co-Req payment of be expedited, Fwds invoice 2;21 Sperry Co 3/3 Fwds various invoices- Natl Elec Sup Co-Fwds list of outstanding orders. 3;10	To Firms	To Firms- asks fwd lists 3-21 To Firms ditto 3-25 Desire var radio co's fwd to Bur list covg radio matrl manfd for Dept on which payments are still outstanding- W Electros Mfg Co-Sub statement 3;26 Wireless Imp Co-Fwds amount owed on radio material shipped. 2;19 To Natl Elec Sup Co- asks fwd list orders 3-3	
394924	2;13	War Dept	Req quot 13 rec sets and 2 radio tel.	W
394356	3;22	Belden Mfg Co	Asks what order cov radio material.	W

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APPARATUS:

Number.	Date.	From or To—	Subject.	
390295	10;2;18	1st Dist	Copy of letter to Fed Co req copy of prints and diagram and instruc of radio apparatus supplied to merchant and naval vessels.	
390640	1;30	Phila	Conf tel conv in con with securing new rod coils for Min, availability of instruc books for radio tel sets, standard plans for radio tel antenna, etc.	W
390639	1;30	Phila	Conf tel conv in con with 126 meter, radio material for Pa, Wyoming and Texas. Phila-Conf tel conv in con with shipment of apparatus for Pa. Wyoming. 1;30	W
390812	1;31	Phila	Conf tel conv relative to 126 meter set.	W
389691	1-31 NY-Fwds vandykes. 2;14	To Norf	Asks 4 vandykes of latest revision of drawing RW25F 145 To Wash Asks copies of drawings listed 1-31 To NY ditto 1-31 To Phila ditto 1-31 To Boston ditto 1-31 Washington - 2;5 Phila-Fwds vandykes. 2;8 To Wash Yd- Ack drawings RW 10a 101 and RW 50F 1660 2/11	

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APPARATUS

Number.	Date.	From or To—	Subject.	
371928	SEE CARD	208 Filed under 793-5	To Marconi Co- RE payment of Govmt rentals Marconi Co - Fwds changes cov advanced payments. 1;11 To Marconi Co- Ack ck $1598.55 and ck $4362.83, covg- 2/15	793-5
392068	1;31 2;5	National Research Council Com publicity	Req policy in con with allowing Prof Abraham to publish scientific matters brought out during the war, member of French Commission. To——No objection to Prof Abraham using such info re radio as he has in his files- 2/14 To Secy of State- Fwdg copy of ltr from Natl Res. Coun. of 1/31 and copy of reply made by Bur- 2/14 International Research Council- 2;26 To- info prev fwd 3-4	W
392122	2-7	To S&A	Reqt shipt two boxes special radio apparatus from Phila to radio Test Shop Wash. D.C.	W
392596	2-7	To S&A R	Reqt shipt 500 radio batteries from NY to Wash Navy Yd. W	
393070	2;7	Elec Cont Mfg Co	Req fwd revised spec. To——States that B. is fwd. blue print copy. 2/20	W
391105	2-6	To Comdt 3rd Dist	Info req re radio ships listed	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
387826	1;22	C R Lentze	Req photoes and descrip of apparatus in con with estab of radio engr school. To Director Naval Intell. Re above 2-8 To---- Rqst names of active practicing radio engineers who are contemplating establishing institute - 2-8 R B 3;6	W
388210	1;23	Inspr New York	Req descrip of destruction of radio apparatus for battleships and destroyers be fwd.	W
387462	1-23	To GE	Fwds bprints of drawings listed	W
385917	1/17	To Districts	Asks investigation re disposition of radio material returned from overseas by cargo vessells W	
~~388517~~	1;24	Y&D Wrong Entry	Radio compass station 3rd dist, estab of north and south line, sub estimate, req quotations cov.	
388517	1;23	Phila	Conf tel conv relative to apparatus due on shipment order in addition to material in stock.	W

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APPARATUS:

Number.	Date.	From or To—	Subject.	
389054	1;25	D W Richardson	Req information as to where radio apparatus removed from dismantled scout patrol vessels may be purchased. To---States to apply to the Commandant 3rd Naval Dist. 2/4	W W
389811	1;21	Dept	Copy of letter to War Trade Brd rec withdraw, req that individual show naval dept approval for purchase of material before same be authorized. Cross to 793-5	W
389365	1-29	To NY	Asks drawings listed	W
390383	1;30	Ever-ready Engr Mag.	Asks if bureau can supply photoes of radio tel and tel apparatus used during war. To---Apply to Western Electric Co re above 2-8 To Marconi Co- has no objections to publication as listed 3-7	W
		To Marconi Co- author fwd re photo of nav equip to radio editor of Everday Engr Magzine 3-13 To Everday Engr Mag re 3-13		
389695	1-30	To Cdt Wash	Reqts that 1 additional battery charging switchboard be manf	W
389691	2;14	Norf	Fwds vandykes.	

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APPARATUS 1919 214

Number.	Date.	From or To—	Subject.	
385904	1/16	To Hon Ellison D. Smith	Asks that Dept be given oppor to present views on Sen Kellog bill providing for operation of teleph-Phone- marine cable and radio systems	884-1
336679	8/12	Naval Communications	Law governing mfg and distribution of radio apparatus fwds draft of composition of for comments W	884-1
385882	1;18	To Charleston	Req vandyke drawings.	
385887	1/18	To Defprest Rdaio Tel & Teleg Cop-	Conveinent Commander Hopper see Mr Deforest ten AM Monday.	W
387436	1;20	New London Sub Base	Req authority to repair radio apparatus.	W

APPARATUS:

1919

Number.	Date.	From or To—	Subject.	
387469	1;20	Wireless Apparatus Co	Asks if sat to supply draftsman and laboratorian with photoes and diagrams of equip. W To--- No objections to above 2-3	
387743	1;18	O G Sherman	Req bulletin in con with underground Wireless Improvements. W To---- No bulletins issued on above 1-27	
387744	1;21	C S Thompson	Req reports in con with radio improvements made during the war. To--- Has not info desired 1-30	
386842	1-21	To NY	Asks corrected info re change of Material sheets as listed ew York-Fwds corrected sheets. W 2;3	W
386847	1-21	To N Orl	Reqts corrected info re change of material sheets as listed New Orleans - 1;25	W
386850	1-21	To Bost	Reqts corrected info re change of material sheets as listed Boston-1;25 To Boston Re above 2-8	W
387438	1-22	To NY	Asks for one vandyke and one bprint of motor g generator sets data and tests New York 2;4	W

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N.S.E. Form 134.

APPARRATUS: 1918 212

Number.	Date.	From or To—	Subject.	
380844	12/21	Atlantic Fleet	Radio matrl in Navy General arrangemnts during past year Detailed report covg W	
379972	12-30	Fwd Nav	Rec that textbook on radio telegraph be not published by Naval institute -no objection to others publishing	W
381224	12;23 12;27	Battle Ship Atl Fleet	Req radio apparatus on each ship be brought up to requirements of latest standard instal at earliest opportunity. To CBD 9 - via C-in-C- Radio equipmt to be altered to agree with latest plans 1-8	
381213	12;27	Wireless Spec Apparatus	Req bureua's assistance in expediting invoices cov apparatus shipped to various yards. vFwd S&A 1-3	
380569	12/28	To S&A	Reqts shipt of radio apparratus from phila to Mare Is	A
382313	1;2	Wireless Imp Co	Cancellation of contract left their plant cont a large amount of machinery and employees without further work. W	

APPARATUS:

Number.	Date.	From or To—	Subject.	
382802	1;6	CO MURREY COM	Operation of radio compass and tels, sub report cov.	
382588	1/6	To CO US ATLANTIC FLEET	Dublier Cond Co will del Jan 6 to Sup Off NY type SE 3536 radio condensers 3 for each NEW MEXICO and MISSISSIPPI. Dublier will tel Lt Mineratti when delivered Relay Key for MISISSIPPI will be shipped from Wash Yd Jan 7 Rheostats for NEW MEXICO shipped from Phila Yd Jan 4 VESTAL directed transfer one radio telephone to each NEW MEXICO & OKLAHOMA Norfolk will issue Telephone to FLORIDA To C-in-C- (T) BuSE 15406 should read quote SUPPLY NEVADA and OKLAHOME unquote	1-7
382159 382591	1/7	To CJ OWENS Wash D.C.	Reports on data re to history of Underground Radio Sysytem are fwded with understanding that they are not to be used for advertising purposes. So Commercial Congress-Req report on operation of Rogers system in con with subs. 2;14 To C J Owens- fwds extracts from report 3-5	
383854	1;9	Atl Fleet	Req shipment of NY Fleet sets, for NY TEXAS WYOMING AND GA WASHINGTON, to Norfolk FLA and ARKANSAS.	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
379108	12;10	MI	Fwds report on test of inspec of radio instal at MI.	
379636	12;10	Phila	Conf tel conf relative to radio instal on ship. L	
379872	None	None	Report of work radio section Bu Standard Foreign Navy. W	
379922	11;23 12;6	San Diego Com	Fwds letter from Lt Snow req action, text book on radio telegraphy fwd to bureau 8;26	
378481	12-21	To Director Nav Comm-	F wds copy of let sent to commercial firms removing the secrecy in the manf of radio app To Dir Nav Intell ditto 12- 21	W

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APPARATUS:

Number.	Date.	From or To—	Subject.	
380688	12;17	MI	Req vandyke of drawings listed be fwd. W To MI Fwds prints 1/20	
381027	12;20	Mrs E J Myers	Pacific Wireless Tel Co, req infor in con with company, stating owner of stock. W Fwd Dept 12-31	
379941	12-27	To Inst of Radio Eng	No objection to publication of articles referred to	W
379942	12-26	To Ch Signal Officer	U.S.A. - Asks copies of War Dept Order form #6	#
379946	12-26	To GE	Asks info as listed- RE GE Indus Control Hand book 5486 class 6	W
379947	12-27	To S&A	Reqts shipmt from Wash to Dist Comm NY 1 short wave radio receiver	vW
380554	12-27	To S&A	Reqts shipmt from Phila to NY Dist Comm Supt- 1 short wave radio transmitting set	W

APPARATUS:

Number.	Date.	From or To—	Subject.	
377387	12;13	Phila	Conf tel conv rel to change in waive length of radio set for destroyer. Crsoo to 496 & 900	
377478	12;13	Price Bros	Sub infor refacilities for French Radio apparatus. To ----- Name has been placed on mailing list- has no work of their class at this time-former work entirely satisfactory 12-31	W
377318	12;9	Phila	Non-Receipt of one box of radio material shipped -Aug 20, req value involved. To Phila- Asks on what authority above material was shipped 12-16 fwd Phila 3-25	
	tents- 2/11	fwd S&A 5-28	Phila- Fwds copy of bill of lading. 12;30	
	To Ind Mgr NY-Ack recpt of shpmt of tracing cloth listed- 2/11 RB 4;11		To S&A Rqst box be opened and Bur advised of con-	
376636	12-14	To NY	Reqts that job order for Radio Phone on PASTORES and ZEELANDIA be withdrawn	W-Y
378011	12/17	To Wash Yd.	Rqsts manufacture one battery charging switchboard. W.	
378013	12/17	NY Yd.	Rqst fwd to Bu tracing cloth as listed. W. To NY- Asks partial shipmt on above 1-29 ~~Hampton Roads Submits engine report. 2;6~~ New York - 2;7	

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N.S.E. Form 134. 876

APPARATUS:

Number.	Date.	From or To—	Subject.	
378385	12/16	New York	Asks if shall continue making parts for power radio system. W	
		To NY via S&A- All orders for Battle radio equipmt as listed should be filled from stock 12-24	To NY- All battle radio equipmt removed from capital ships should be returned to NY Yd and list sent to Bu 12-24	
371928	12/18	To S&A	Re transfer funds for purchase of Marconi Coastal and Ship radio stations. W Marconi Co- Sub estimate 1;14	
378482	12/18	ToAtl Fleet.	Asks opinion of C-in-C re protection of conning tower. - C-in-C letr of 6/5 W	
378486	12/18	3rd Dist NY	Rqsts that Bu be supplied with diagram of distant control system in use at office of Dist. Comm Supt, with names and type of all apparatus used. W. Com-Fwds prints rec from 3rd Dist. W 1;27	876
377894 see 223	12/18	To Firms.	Secrecy re all features of radio apparatus need no longer be maintained.- Navy no longer prohibit sale of radio apparatus to others than Governmental Dpets. W.	West Elec Co 8;16
		To J. H. Bunnell Co- Fwds copy of let removing pledge of strict secrecy 1-8 To Comdts, re secrecy removed 3-24 Adams Morgan Co 3-26 repu cpy norm that Navy Dept has no obj to sale of apper to amatuers.	J H Bunnell Co- Req copy of circular regarding secrecy prohibiting sale of radio apparatus by wireless dealers. W 12;30 Phila - 4;7 Will discontinue fwdw minutes of meeting.	
378902	12/17	Gen Elec Co		
378497	12/19	To Marconi Co	Lowenstein Co--asks expression of your Co on change of drawings- in form of drawings. W Lowenstein-Have adopted practice of redrawing drawings sup from outside purposes. W 1;13 Marconi Co 1;11	

APPARATUS

Number.	Date.	From or To—	Subject.
374335	12/6	To MerCor.Wash.	Fwds. 1 copy of Type # Bulletin.
374338	12/6	To SB NL.	Fwds. 1 copy of Type # Bulletin.
374695	12/7	To NY	Reqts. change of material sheets.
374696	12/7	To NO	Reqts. change of material sheets.
374702	12/7	To Key West	Reqts. change of material sheets. Received back 12;14
375002	12/7	To Phila.	Reqts. change of material sheets
375018	12/7	To Wash.	Reqts. ~~that all reports be fwd. to B. in~~ vandyke form. Washington Yard 12;20
Y375075	11;26 12;9	Sig Corps Com	Closing of rec corps spec rec station, data being compiled in con with. Radio receiving stations disconitnued. Data collected while stations in operations available for use of Navy Dept. 12/17

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APPARATUS

Number.	Date.	From or To—	Subject.
373802	12-10	To Wash.	Author. reqst. of J.D.Freed for blueprints. Washington-Req prints of audion control box, short waive meters, receivers etc. be furnished. 11;30
371928	12/19	To S&A	Bu rqsts separate bills be submitted, covering value radio equipment installed on vessels of steamship Co's as listed. W.
376833	12;9	Sig Corps	Fwds copy of all radio apparatus parts listed, which are available. W
374699	12/7	To S&A	Rqts shipt of radio apparatus from Wash. to San Pedro. 497
377517	12/13	Inst. of Radio Eng.	Asks if restrictions on technical publica-
	To ———	Gives info re publications of articles above 1-6	tions removed W To----- Ban removed- asks co-operation 12-27 Inst of Radio Engrs 12;30
376848	12-14	To Bu Standards	Asks 3 copies outlined in Bu lletin #18
	researches on vacuum tubes 12-27		par 23-25-26 Bu Standard-Fwds pamphlets onW vacuum tubes etc. W 12;20 To----- Will receipt copies of reports on
377167	12-14	To C-in-C Atl Fleet	Asks opinion of new penumatic tube system
SEE 231	CO ARKANSAS- CO WYOMING-Sub report of test of tubes. 1:21 DELAWARE 4/7- Fwds report of test of Lamson pneumatic tubes-		installed battleships for radio message delry W CO MISS - 1:18 CO ARIZONA-Report test of pneumatic tube. 1;20 CO UTAH- 1;22 USF-Recs more reliable type of cut off be provided for pneumatic tubes. 5;31
377373	12/18	To C&R	Requires metal rigging be broken into insulated sections not much over 10 ft- desires obtain sufficient supply of satsfcty type. - brown standard color of insulators. W.
	NY-Req that list be furnished. 12;30 C&R 4;12 To NY- Fwds vandyke prints of battleship rigging insulation 1-6		C&R-Copy of endorsement to NY, fwds prints. 12;26 C&R- fwds prints showing sample for test 2;5

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APPARATUS.

Number.	Date.	From or To—	Subject.	
370716	11-23	To NY	Rqst corrected information regarding change of material sheets,W NY-Fwds material sheets. 12;10	
372173	None	Wash State Normal	Req authority to retain radio apparatus used at school for training. Fwd Director Naval Communications,11-27	
371991	11-26	To S&A	Comments re inspection of radio mat'l, at place of mfg., W	
371928	11-27	To U.S.Shipping Bd. Wash & Phila and U.S. Railroad Administration	Has effected purchase of all Marconi leased radio installations on vessels owned or controlled by U.S.Shipping Board,W	793-5
CARD 216	S&A - 1;23 To Marconi req payment 1-25 Marconi Co-Fwds refund check $4,362.83 1;30		To---Replying to above 12/6 To--- Lists Marconi prices for app list for sale to Govmt 12-6 Fourth Dist-Rep on Marconi instal at Cape May 1;6 SOL- Fwds copy agreement 2:4	
371928	11/25	Solic	Fwds copy of contract with Marconi Co covering sale of 45 postal wireless stations owned by that Co. To 3rd Dist-In re Maintenance and repairs of radio installn on other than Nav vessels 12-24	(Marconi Co
373242	11;11	European Force	Sub extract from report of base 6 CO in Chief.	

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APPARATUS

Number.	Date.	From or To—	Subject.	
373235	None	Com 707	Sub action taken in an endeavor to get Fed Tel Co to deliver arc set for school purposes. W	
373234	None	European Force	Remarks on radio material not nec to bureau. W	
373498	6;18	Boston	Radio tel devices, fwds report with sketch in con with. W	
373034	11-30	To Uni Eng Co	Asks data and price of Dunelectric plans	W
373549	12-2	To Ch Sig Officer War Dept-Reqts cmies of booklet giving type of radio appof the U.S.Army	No data	W
373557	12-2	To F. Lowenstein	Fwds bprints as listed-covering 1/2 KW Panel type radio transmitters	W
373556	12/3	To Coms.	Fwds. blueprint & reqts. comment re standardization of drawings. Washington-Fwds sketch showing sample div of F size sheet. W 12;17 Norfolk-Approved 12;27 Norf - 3;26 To Norfolk- revision of radio co-ordination plan 4-15	

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.	
369650	11;8	2nd Dist	Sub designation req shown on bureau's ship order cov radio material intended dist.	
369978	11;18	Marconi Co	Fwds copy of correspondence between Lowenstein & Marconi Co relative to French drawings and spec cov Marconi design of panel sets.	
370096	11;18	Phila	Fwds list of radio drawings.	
370052	11-19	To Phila	Rqst corrected info re change of mat'l sheets, W	
371632	11;23	Hon W L Calder	Req firms cable of sub petition on radio apparatus, chance to sub and not discriminate. C To--,above misrepresented,11-23	

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APPARATUS

Number.	Date.	From or To—	Subject.	
370510	11-5	To Sims	RE fwding of expermintal information	W
369737	11-22	To Norf	Rqst withdrawing of job orders for install of radio telephone equipment on HURON & TENADORES WY	
370063	11-22	To Phila Via S&A 918	Rqsts that shipts of radio apparatus for air craft and ground radio stations abroad be discontinued W To NY. Via S&A, same information 11-22 To Phila. Nov. 22 back Dec. 11 Phila-Submits list 12;12	
371348	11;16	Ports	Ensign J H Mullen-Sub report of radio apparatus at Ports yard. W	
371870	10;28	Gibralter Force 919	Sub recs of improvement for Marconi set radio compass receiver and radio compass apparatus. W To Wash. Recommend for improvt/ made by Nav. Forces in Europ. Waters 12/7 To Bost. Same as above 12/7	
371928	11-25	To Dir.Naval Communication	Comments re purchase of Marconi Ship and Shore radio stations,W	
	CANCEL SEE CARD #71 of 793-5			

APPARATUS

Number.	Date.	From or To—	Subject.
367194	11/12	To NY	Reqts. corrected inform tion re change of material sheets stated.
367196	11/12	To Base #23	Fwds. 2 copies of type # Bulletins. Halifax 11;19
367198	11/12	To NO.	Reqts. corrected information re chnage of material sheets stated.
367766	11/12	To Norf.	Reqts. to submit inventory forms of all radio material on hand.
368228	11;11	NY	Fwds vandykes and prints of drawings listed. W
367763	11-13	To Tideman Elec Mfg Co	In order to become a qualified bidder for the mfg of radio apparatus, you must send a a representative to visit the Radio Lab NY W
367944	11-14	To Washington	discrepancy in inventory cards W
368326	11-14	To Eimer & Amend	Rqst catalogues and prices on mat'l listed W Eimer & Amend 11;25

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Number.	Date.	From or To—	Subject.
368679	11-16	ToComdr Atl Flt p	report on 30 KW Arc to spark remote control Antenna Transfer switch, revised type, comments W
369142	11-16	To Phila	Rqst corrected inform re change of mat'l sheet W
368673	11-18	To Firms listed	Fwds corrected sheets of specfns RE 13A 255C W
369588	10;23	Washington	Fwds blue prints copy of R W 23 A 121 B
369155	11-18	To Boston	Rqst corrected inform re change of mat'l sheets, listed W Boston-Fwds corrected material sheet. 11;21
369156	11-18	To NY	Rqst correct inform re change of mat'l sheets listed W NY-Fwds changes in material sheet. 12;10
369689	11;16 Marconi Co-Will make application at once 12;2	Marconi Co	Complete set of work drawings and spec cov 2 kw arc, fwds type, req be furnished. To Federal Telegraph Co- Marconi Co have been reqted to obtain above palns from their Palo-Alto Factory 11-30 To Marconi- Informs of above 11-30

APPARATUS:

Number.	Date.	From or To—	Subject.	
322700		Fwd from Card 189	GE CO- Comments on meeting. 10;26 GE CO - Comments on meeting, 5;13 and 5;27 GE Co- 11;26	
366514	11-7	To C&R	Rqst status of work on install of; new houses for arc transmitter, W	
364216	11/5	To S&A	Reqst shipt. radio apparatus NY to Aberdeen	875
367364	11;6	Bu Standard	Fwds report showing radio work in progress at lab also fwds copy of radio manual.	W
367340	11;6	Century T & T Co	Fwds vandykes and prints of plugs and key being ~~finished.~~ furnished, to dept for apparat.	
368919	11/12	To Sims	Fwds. enclosures - drawings - radio for Airc. apparatus.	

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APPARATUS

Number.	Date.	From or To—	Subject.	
365606	11-6	To Norf	Fwds one type No bulletin RE 15 A 10r and 15 A 107	E W
367178	11-9	To Nav Dists	Fwds 2 copies of type No Bu lletins RE 15A Etc	W
367198	11;21	New Orleans	Gives corrected change in material sheet.	
367405	11;7	Boston	Recs shop drawings be arranged in manner ~~in~~ similar to that adapted by Ordnance.	
368058	11;9	NY	Fwds vandykes and prints showing latest changes. W To NY-, reqst modifications 3-8 **NY-Comments on proposed change. 9;25**	
367986	11;9	Washington	Drafting ~~reg~~ room, reg of radio test, fwd.	W
367193	11/12	To Nav.Base,Cardiff	Fwds. 2 copies of Type# Bulletins.	

APPARATUS:

Number.	Date.	From or To—	Subject.	
362511	10;24	Norfolk	National Elec Sig Co 1/2 kw radio sets, sub report on dif found in rec. W	
362370	10;19	Pg Sd	Alteration sheet for radio engineering instal. program books fwd. W	
361950	10-28	To Yds- Stations- Fleet- Subs	Fwds special report on New Method of using contact detectors in radio measure ment by Dr Austin	W
~~362298~~ 362299	9-28	To Federal Telegraph Co	Ack receipt of one photostat covering design of arc converters for radio telegraphy W	
363203	10-29	To NY	Reqts 2 copies of semi monthly reaport radio of sept 15th	W
363204	10-29	To Chasn	Asks 2 copies of simi-monthly radio report of Sept 15th	W
363213	10-29	To Dist Comm Supt NY-	Authorizes granting prmission to Manhattan Elecl supply Co for purchase of a pp to E.B. Meyers as listed	W

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APPARATUS

Number.	Date.	From or To—	Subject.	
362970	10-30	To Manhattan Elecl Co	- Assign type No CAM 1433 to High Frequency buzzer	W
363219	10-31	To Firms	Asks for catalogs covering mercury arc rectifiers as listed GE 11-14 Fwds catalogue of rectifiers for charging batteries	W
315037	SEE CARD	198	To S&A Reqts shipmt from Phila to CHICAGO radio app for sub tender stock be cancelled order of 9-19th 10-31	
363709	11-2	To Yds-Cruiser and Trans force-Alt Fleet-Sub Force-Battleship forces 1 and 2	- Fwds copies of type No bulletins containing all pages available to date	W
364729	11-5	To Crocker-Wheeler Co	Assigns type Nos to Arc Motor generators recently tested at Wash	W
365423	11-6	To Phila	Fwds type number bulletins of radio W	
365985	11;4	Dillwood Mfg Co	Req place name on mailing list for parts used in connection with radio equip.	
361204	11;14	Boston	Fwds change in material sheet.	

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APPARATUS

Number.	Date.	From or To—	Subject.	
359876	10/17	New London Base	Request miscellaneous prints W	
360165	10/3	Wireless Improvement Co.	Request recognize R.E.Thompson as fully authorized representative of Co. in dealing with Navy Department	W
360687	10/19	New York	Fwds vandykes W	
359648	10-21	To Ports	Job order #3-K-1009-839 covering installn on Sand Diego reported in Semi-montly report of 9-15-18 as 7/10 complete may be closed	W
360097	10/11	K.C.Co.	Copy of telegram to New York office stating have units complete for lighting switches, testers, hand keys and all duplicate condensers required W	
362182	11-1	To NY	RE proposed atrangement for receiver wiring reqts that smaples of plugs board,plug and control board be submitted to BU	906

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APPARATUS:

Number.	Date.	From or To—	Subject.	
356807	10;7	Fed Tel Co	Fwds photo showing construction of high voltage lab at Palo Alto Factory.	
361215	10/22	Federal Tel. CO/	Fwds correspondence with New Orleans in connection with shipment of radio apparatus in order to prepare requisition for spare parts W To 8th Dist- Fwds corresp addressed to Federal Telegraph Co asking type of transmittrs that reqtsn for spare parts may be prepared. 10-31	
361267	10/22	Marconi Co.	Fwds copy of letter to S&A requesting all quotation requests for radio apparatus be forwarded to New York Office W	
~~361515~~	10;22	Boston WRONG ENTRY	Method of avoiding interference when tuning spark transm, fwds prints. W	
361515	10;22	Boston	Req copy of radio tel stock book. W	
362118	10-24	Wireless Specialty Co	Reqts permission to make changes in drawings W To Wireless Specialty App Co- Changes to apply to transmitters now manfing under existing contracts 11-20	

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APPARATUS

Number.	Date.	From or To—	Subject.	
361173	11/12	To Chasn.	Reqts. corrected information re change of material sheets stated. Inspr Brooklyn 11;22	
361203	11/12	To Phila.	Reqts. corrected information re change of of material sheets stated.	
361204	11/12	To Boston	Reqts. corrected information re change of of material sheets stated.	
361205	11/12	To Key West	Reqts. corrected information re change of material sheets stated.	

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Number.	Date.	From or To—	Subject.	

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APPARATUS

Number.	Date.	From or To—	Subject.	
357655	10-15	To Ports	Retrns N.S.E. forms #3 07E for correction To Ports. Oct. 14 back 21	W
315207	SEE CARD 185	To S&A Reqts shipmt from NY to Phila for RAINBOW -insulators and wire 10-17		
To S&A Reqst shipping order of 10-2 be amended, 11-5		To S&A Reqts shipmt from Bost to Phila for RAINBOW Radio telegraph app 10-17		
Shipment order received back 1;25		To S&A Reqts shipmt from Phila to RAINBOW Thermo ammeters 10-17		
To Chasn- asks if amplifier can be repaired or if new one be supplied 3-29		To S&A Reqts shipmt from Wash to Phila for RAINBOW Radio telegraph material as listed 10-17		
SEE 6236	To S&A amendment of previous letr of 6/13 and 7/11 7/11/19		To M 1s-(T) 13031 Authorized issue from stock one portable wave meter to BEAVER 11-2 New Orl. 9:30 Camden 11;4	
357210	10-16	To Dist Comm Supt- 4th Dist	Asks that 50 of enclosed forms -radio inspn - be fwded to Bu R. B. Oct. 22	W
357682	10-16	To Wash	Reqts they manf radio app as listed	W
357650	10-17	To S&A Req Bu be notifoed of receipt of. 1/4	Reqts shipmt from Phila to Aberdeen Scotland 1 sound proof receiving booths To S&A: Req matrl belocated at Fleet Supply Base Pier#134 South Brooklyn and turned into stock at NYG	W
357651	10-17	To S&A	Reqts shipmt from NY to Aberdeen Scotland 5 sound proof receiving booths To S&A Reqts cancellation of above 1-3 S&A - 2;26 fwd S&A 3-7	W
358997	10-17	To NY	Reqts that 2 bprints and 2 vandykes of drawing RY 66F-181A be fwded to BU	W
357701	10-18	To Sims	Asks that vessels in European wters be reqted to fwd on Jan 1-19-copy of N.S.E. form 25-B "Description of Radio Installn on Navy Vessels	W

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APPARATUS

Number.	Date.	From or To—	Subject.	
359156	10-17	To Sims (T)	Ack receipt pour W-14 confidential pub	W
359793 see card 219				
359540	9/25	Erie Forge Co.	Fwds bill of lading covering shipment of two cases of electrical goods made 9/23	W
358749	**11-7**	**To Phila**	**Fwds bulletin re 15 A 105 A and 15A 107A**	**W**
359046	10/15	Wireless Specialty App. Co.	Fwds vandykes of 1/4 K.W.	W
355148	10-18	To N Lom NY	Asks that receipt of radio telegraph app be ack on form N.S.A.564 -shipmt reqt 8-9-18	W
359375	10-18	To NY	Reqts that be fwded to Bu 200 sheets of tracing cloth form E.O.-131-B **NY 10-24- Fwds 200 sheets tracing cloth** ~~To NY- Ack receipt of 200 sheets of tracing cloth form EO 131A 10-31~~	W W //
359158	10-19	Ad Grant-H.M.S. WARRIOR	Expresses appreciaton of the cooperation between British and American Radio services afforded by the efforts of Major E.G.Cheesman	W
358492	10;26	Naval Com	Comments on. Fwd Director Nav Comm 1-14	

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APPARATUS: 1918 200

Number.	Date.	From or To—	Subject.
355626	10;2	Norfolk	One kw emergency set, req vandykes. W
356117	10;1	SD	Req complete semi-monthly report W To San Diego- Fwds abve 10-15
355380	10/7	To Phila.	Encl. copy of let. re operation of bomb by radio.
35662 4	10;1 10;5	NY S&A Fwd S&A 10-26	Radio material marked for W R Lordenberger 10th div radio force, cannot be delivered. W Fwd Nav 10-15 To Navigation Oct. 15 received back 22 S&A Oct. 11 Request action
356376	10/8	To Leland Standf. Uni. (T)	Re fwdg. letter recom. giving of degree to Leonard F. Fuller. Leland Standford Univ. Phesis passed exam. To Fed Co (T) 10/23
TO CARD 2 #244	To Fed Tel Co-Fullers papers appeared in last issue too late for action. 10;23		
356011	10/8	To, S&A	Reqts. shipt. of radio apparatus from Wash. to Wash. for Nav. Com.
356464	10/10	To S&A	Rqst shipt Radio Telegraph Matl Wash to Co 497

N.S.E. Form 134.

APPARATUS

Number.	Date.	From or To—	Subject.	
356576	10/9	To Federal Tel. Co. Fed Tel Co-Asks if will take any action to prevent publication of thesis written by Mr. Fuller of Fed Tel Co. Cross to Publications. 10;20	Reqts. to turn over to SE plans for transmission to French Govnt. To---- Reqts that above be fwded to SE for transmittal to French Govnt 10-11 French High Comm - Reqt pu authoriaation for Federal Co to deliver patents 10-4 Fed Tel Co - 10;24	
357011	10/10	To Mare Is. (T)	Re semi monthly radio report 10/1. Re ts. add. copy. Mare Island Oct. 11 Telegram copies of reports being mailed Mare Island Oct. 14	W
133166	SEE CARD 52		To Yd-Fletts-Sims-Air Stations-Fwds copies of semi annual Radio Reports dated 9-16th and 10-1	W
232688	SEE CARD	120	To NY- Drawing quoted in SE let of 10-4 should be RY 61AA 348B K & C Co. Oct. 8 Request ship number NY-Fwds prints W 10;25 To Kilbourne & Clark Co- A signs type Nos and model letter applying to 250 2 KW arc transmitters being made by Federal Co 12-7 To 2nd Dist- Fwds 1 copy of Type Number Bulletin RE 15A 105A and RE 1:A 107A- 2/14	W
358876	10/9	Washington	Request written confirmation of order for reserve amphlifiers	W
257217	10-12	To Bost	Reqts that forms N.S.E.307E be fwede for Radio phones and transmitting sets in stock	W
357007	10-10	To Century Phon Constn Co- (T)	Send drawings plugs and jacks used by Radio Div immediatley Spec delry	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
35282	9 /16	Inspr Fed	Asks if shipment of material from factory and Palo Alton to Washn shall be made on govt bill a lading W	629
350648	9/24	To Coms. & Ind. Mgrs.	Fwds. copies of Bu. of Stand. Bulletin/ #74. W	
352039 Fwd	9-27 S&A 11-23	Tp S&A	Rqst shipmt radio apparatus NY to N Lond W S&A Oct. 17 Fwd S&A 10-23 To S&A Asks status of extent of work by NY on material stated 11/12	
352634	9-28	To S&A	Rqst shipmt radio apparatus Wash to N Lond W To N London- Reqst acknow ship made 2-18 New London Base 4;7	3-25
352633	12/4	To S&A	Reqts. shipt. of radio apparatus from Boston to NL.	
353889	9:30	C&R	Gaff for radio compass antennae, fwds drawings. Fwd. C&R 10/2	
354024	9:27	Boston	Sub req for vandykes. W To ——Fwds: 1 vandyke of drawing. 10/4	
354161	10/1	To GE Co. (T)	Asks when motor generator will be available for test.	

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APPARATUS

Number.	Date.	From or To—	Subject.
362299	9/28	To Fed. Tel. Co.	Reqts. 3 add. copies of report.
354395	9;11 9;17	Atl Force European Force	Additional radio instal on vessel, sub report of. W
354855	9;26	Pg Sd	Fwds report on radio work on shipboard vessels. Cross to Pg Sd Yrd and 771-2
355309	10;2	GE Co	C E Davis Reserve force for data. W
354320	10-3	To Admiral Grant HMS WARRIOR,	Comments on adoption of British Design radio equipment in U S Navy, W British Fleet-Fwds copy of tel rel to furnish Brit radio equip for use US Navy.

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APPARATUS

Number.	Date.	From or To—	Subject.
309773		FROM CARD 198 1/2	New York Oct. 16
		New York - 2;8	New York Oct. 11
		New York - 2;11	New York Oct. 19
		To Ind Mgr N Y- Fwdg addtl supply daily radio inspection report cards 2/19	New York Oct. 21
		New York 3;7	NY 10-24
		New York 3-5 2 letters -	New York 10;29
		New York - 3;12 - three letters.	NY-11;2 Two letters.
		New York 3;14	NY- 11;4 Two letters.
		New York 3;17	New York 11;6
		~~Key West-Weekly report 3;17;19~~	New York 11;6
		New York 3;19	New York 11;7
		New York 3;19;19	New York -11;9
		New York 3;20	New York 11;12
		Ship Orde 3;17;18 R B 3;21;19	New York 11;16
		N.Y. 3-22	New York 11;19
		NY - 3;26	New York 11;21 two letters
		NY - 3;27	New York 11;22
		NY-3;27	New York 11;27
		New York 4;1	New York 11;28
		New York 4;3	New York 12;2
		New York 4;3	New York 12;4
		New York- 2 letters 4;9	New York 12;6
		New York 4;14	New York 12;11 two letters.
		New York 4;22	N.Y. (2 letters) 12/13
		New York- 4;25 - two letters.	New York 12;20 two letters.
		New York - 5;1	New York - 12;27 Four letters.
		NY 5;3	New York 12;30
		NY- 5;8	New York Two letters. 12;31
		N Y 5/23	New York 1;2
		NY-Reports (8) 6;3	New York 1;3
		NY- " (3) 6;3	New York 1;10 Two letters.
		NY 6;5	New York - Two letters 1;11
		NY - 6;19 - NY 6;19	New York- Two letters 1;15
		NY-Daily report 6;19 (3)	New York- Two 1;17
		NY 6;25	New York 1;18
		NY - 6;26	New York 1;21
		NY- 7;11- Three letters.	New York -1;24- Two letters.
		To Insp Fed- fwds copy of rept covering accept test mfg under con tr 42141 7/10	New York- Two letters 1;28
			New York - 1;30
			New York 1;31
			New York 2-5
			New York - 2;7
			NY 4;11

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OVER

309773

Number.	Date.	From or To—	Subject.
	NY- Two letter 7;9		N.Y. 2/3
	NY- 7:10		-1920-
	NY - 7:14		
	NY - 7:15		NY - 3/3
	NY - 7:18		NY 5/5 W
	NY - 7:19		NY - 5/7 - W
	NY - 7:21		To Norf. reqst report result of
	NY 7:23		tests 8/26/20
	NY 7:24		Norf- 9/25 W!
	NY- 8:2		
	NY 8:13		
	NY- 8:21		
	NY- 9:2 (2)		
	NY- 9:3 Reports for 8/29 and 8-30		
	N Y 9-5 (2)		
	N Y 9-8		
	N Y 9-9		
	N Y 9-12		
	N Y 9-16 (2)		
	N Y 9-18		
	~~NY-DOWNS 9:23~~		
	N Y 9:23 (2)		
	N Y- 9:29 (2)		
	N Y 10;7		
	N Y 10.8		
	New York - 10:10		
	New York - 10:20		
	New York 10:18		
	New York - 10:22		
	New York 10:28		
	New York 12-1		
	New York 1/26 (2)		
1920	New York 1/2 (6).		
	N.Y. 1/5		
	N.Y. 1/8		
	N.Y. 1/9 (2)		
	N.Y. 1/8		
	N.Y. 1/14 (2)		
	N.Y.- 1/15		
	N.Y. 1/16		
	N.Y. 1/16		

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APPARATUS

Number.	Date.	From or To—	Subject.	
291400	9/18	To Insp. Cramps.	Re radio apparatus for TBDs. W	
350181	9/19	To NY	Asks for tracer on shipt. of third box. W Received back 9;26 To NY- Asks what steps being taken to recover above 10-23 To Dispatch Agency NY 10;23 bacl 10;30	
350484	9;19	Norfolk	Tel; req six additional copy standard work list of material, passed inspection. R To----6 copies stand. stock list of material has been fwd. 9/21 Norfolk-9;26	
350740	9;17	E J Simon Co	Assign Mr/ WH Pumphrey as rep W	
315307	9/21	To S&A (3 letters)	Reqts. shipt. of radio apparatus from Wash. to CO for CHICAGO. W Phila - 10;25	
349551	9/21 see card 195	To Spiro Mfg.Co.	Gives list of companies ref. to for sub-contr. work. W	
350642	9/21	To NY	Fwds. 6 copies of Bu. of Stand. bulletin. W	

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N.S.E. Form 134. 876

APPARATUS:

Number.	Date.	From or To—	Subject.	
351314	9;16	MI	Req vandykes showing detailed apparatus being supplied Fed Tel Co W	
309773	9;24	New York SEE CARD 194 NY - 12;17 -3 Let New York Oct. 9 New York Oct. 15 New York Oct. 12	New York 9:25 New York - 10;5 New York 9:27 New York 10.1 SEE DUPLICATE 876 New York 9;29 (19876)	
352856	9/25	Dept 907	ORS and AA class of subs req comment of Bu in conn w removal of transmitter apparatus D O	
353195	9-30	To Phila	Re arrangement of apparatus in interfleet Aux radio Room W	
315207		See CARD 185	To S&A Regts. shipt. of radio apparatus from Wash. to & for BEAVER. 10/2	
355626	10-10	To Norf 94	Fwds booklet re instructions for wireless W	
357007	10-10	To Century Phone Const T	Send dwgs plugs and jacks used by Radio Div immediately special delivery W	
357011	10-10	To M Is (T)	radio report recd, comments, W	
357217	10-12	To Boston	Inventory receipts and issues of radio mat'l W Boston Oct. 15	

[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.	
349780	9;16	Wireless Improvement Co	Report receipt of order from War Dept for waive meter and condenser, request permission to supply. W To----Author. to supply meters to USArmy. 9/25	
349551	9;16	Spiro Mfg Co	Req be placed on list for spec and other information in connection with sub bids on radio apparatus.	
315037 SEE CARD 204	9/19 To S&A Reqts. shipt. of radio apparatus from Boston to CO for CHICAGO. 9/20 To N Lon- Conf of above transfer	To S&A	Reqts. shipt. of radio apparatus from Phila. to CO for CHICAGO. W To S&A Reqts. shipt. of radio apparatus from NY to CO for CHICAGO. 9/19 10-23	
349652	9/18	To Stations	Bu SE has directed Lt G.H Levis to visit various stations and shippd dists to superintend install of radio equipment W	771-2
351147	9;19	Marconi Co	Fwds copy of report showing status of all government contracts and money rec and due for week ending 17th To----Reqts. to continue weekly financial report. 9/27	
351663	9;21	C Spiro Mfg Co	Req be placed on list to rec spec cov radio apparatus. W	
351382	9/24	To Boston	Ack. rect. of semi-monthly radio report. W	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

ALLIANCE: APPARATUS

Number.	Date.	From or To—	Subject.
347382	9;6	Phila	Gives list of material on hand for inter-fleet radio sets. W
347439	8;28	Pearl Harbor	Req copy of all reports on radio apparatus. To Hawaii. Have reqtd. that copies of techinical reports be fwd. 9/17 To Mare Is. Reqts. that copies of all technical reports be fwd. to Hawaii. 9/17
347596	9;11	Congleon Co	Req opportunity to demonstrate. To----Would be glad to grant an interview to their representative. 9/19 Congoleum Co- Req appointment J M Fessler. W 9;26 To Phila (T) conference satisfactory 9-30
347593	9;11	Phila	Fwds 7o vandykes. W
348220	8;30	Atl Sub Force	Radio apparatus and spare parts for sub tenders and bases, fwds rec. Cross to 803 TS To Com. Sub.Force. Rad. material recom. is approved. 9/14
348017	9/14	To Mignon W.Cor.	Gives instruct. re obtaining schedules for bidding. W. To----Encl. forms of Imp. Munitions Bdl. left their representative. 9/14

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
347335	9/12	To H.Rds	Reqts test of Rad.set propeller submitted by inter.Rad.Tel.Co. W	876
	To Air.Sta.Norf. Re tests of rdy propellers. 10/2			
	To Hampton Rds Fwds prints re radio development 11-6		To---Reqts. information re radio compass coils for flying boat. 9/16	
			Hampton Road - 9:21	
			To Norf. Calls attention to encl. 10/3	
			Hampton Rds submits report on developmt with recmds 10-27	
348415	9/10	Inspe, Brooklyn	Fwds report on ststus radio tel set mfg in 3rd dist. W	876
347838	9/16	To Navy Yards (7 letters)	To M Is, fwds vandykes and inst re arc trans 11-6	
	Norfolk-Fwds prints. 10:2		Request for Vandykes and blueprints. W	
	Washington Yd. 10/8 Reports fwding prints by special messenger W		NY-Fwds drawings 9:24 MI-Asks when vandykes will be ready. 11/1	
	MI-Fwds vandykes and prints. 10:14		Boston-Fwds vandykes 9:25	
			Phila- Fwds prints. W 9:30	
		To M Is (T) Vandykes fwd 11-6	Phila-Fwds prints 9:25	
348734	9/16	To Boston	Ack. rect. of semi-monthly rad.report. W	
349418	9:13	Experiment Station	Copy of letter to R E Robinson asks if Mr. Peters will prepared to resume experiment in the near future.	
5736-1/2	9/4 9/6	Wireless Improv Co S&A	Complains thaat specfns coverg radio tranm unite are right around the product of one firm and cannot bid withour drawings W	706
55736 1/2	9/9	Bureau	Copy memo for Secty Navy gives reasons why radio rel set should be purchased from Fed Tel Co	706
349287	9/17	To Virgin Islands.	Fwds. 1 copy of instruction booklet. W	

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.
344214	8;30	Mazer Acoustile Co	Sound proof radio booths shipped to Phila 8;30, reqst schedule of deliveries req. W
344490	9/5	To S&A	Reqts. shipt. of radio material from Brook. to NY for Stock. W New York,9;12
344491	9/5	To S&A	Reqts. shipt. of radio material from NY to Wash. for Rad. test shop. W
344492	9/5	To S&A	Reqts. shipt. of radio material from NY to ~~NY~~ Camden for IDAHO. W Inspr NYS 12;30
344493	9/5	To S&A	Reqts. shipt. of radio apparatus from Brook. to Phila. for Const. Off. W To---- Reqts shipmt of above be expedited 11-2
258218		See CARD 168	To Marconi. Reqts. to expedite work on set for St. Augustine. 9/6 Marconi Co-Motor gentrs not yet deliv. W 9;11
345182	9/6	To S&A	Reqts. shipt. of radio apparatus from Phila. to Phila. for ships. W
345183	9/6	To S&A	Reqts. shipt. of radio apparatus from Phila. to NY. for ships. W
345184	9/6	To S&A	Reqts. shipt. of radio apparatus from Phila. to Wash. for Rad. Test shop. W
345185	9/6	To S&A	Reqts. shipt. of radio apparatus from Phila. to Wash. for Rad. rec'g. Sta. W
344852	8;24 8;29	Hon P H Kelly Nav. 701	Req location of radio schools and stations together with expenditures since the war. Fwd. Oper. 9/12. To Cong. Kelley. Giving location of rad. schools & stations. 9/12

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APPARATUS

Number.	Date.	From or To—	Subject.
345575	9;5	Com	Report of hold up of telegraphic wireless written in German, req disposition. Fwd. Comm. 9/9
345189	9/6	To NY (T)	Please furnish Phila. drawing. W
345586	9/7	To S&A	Reqts. shipt. of radio apparatus from Wash. to & for Com. Batt. Force 1. W
246107	9;7	Phila	Req miscellaneous vandykes. W To—— Fwds. under separate cover vandyke of each of drawings listed in let. 9/17
346806	9;7	NY	Req radio drawings. To NY. Fwds. Vandyke of each of drawings listed. 9/17
345468	9/11	To S&A	Fwds. alteration sheets of specifications. Fwd S&A - 9;18
346166	9/11	To Wash.	Makes type # assignments. W
346468	9/11	To Firms	Fwds. alteration sheets of specifications.

American Transformer Co - 9;17
To Wireless Co. permission granted to retain super. sheets of specifications. 9/17
Liberty Elec Corp - 9;16 and 17th
To Crocker-Wheeler Co. Fwds 3 copies alteration sheets of specifications 9/25

Wireless Improvement Co 9;12
Cutting & Washington, returns radio specification sheets. 9;13
E J Simon- Returns sheets W 9;13
GE CO- Returns sheets W 9;14
To Cutt.&Wash. Fwds. sheet of specifications 9/24

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[OVER.]

Number.	Date.	From or To—	Subject.	
341443	8;24	West Elec Co	Fwds extract from letter from Mr Craft in connection with status of air station in Ireland, receiving situation, etc. To---- Ack. reot. of coms. from Mr. Craft. 8/30	
321919	8;12	European Forces	Fwds copy of British Wireless Tel publication entitled the establishment of permanent naval stores W (European Fores 7;2) Reqst copy of British publication.	
342405	8;24	Phila	Reqst fwd prints of insulator auxiliary station To---- Fwds. vandyke copy. 8/30	
342588	8;15	Wireless Spec Appart	(Davis) Will be in Washington Friday and Saturday, reqst appointment. W	
341895	8/28	To Pensa.	Returns print believed to have been fwd. in error. W	
340146	8/29	To Western Elec. Co.	Will take matter up as soon as information available. W	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
343188	8;28	Council Nat Defense	Fwds report on long reach radio and short reach radio. W	
343331	8;27	Battle Ship Force	Changes in plans for radio, sub detailed recommendations from various ships together with sketches	
343439	8/31	To NY (T)	Reqt. vandyke & 4 prints of rad. drawing. NY- Fwds vandykes. 9;7	
343525	8;27 8;30	Norf C&R	Relative to sound proof booths for battle ships in connection with radio. W Fwd. C&R 9/4 C&R-Req return of papers. 10;4	
341925	8/24	Cramps	Sub report of defective manner in which resistance grids for starters are packed for shipt	113-Q-6
342038	8/24	Co	Copy of letr to NY reporting on faults of radio are set found after instln by Navy Yd	130-5
343789	8;27	G E Co	Fwds prints to be attached to copy of report of standardizing committee on radio tel work. W	

Number.	Date.	From or To—	Subject.	
338757	8/15	9th Dist	Reports receipt of radio outfits for motor boats- rqsts instr relative to installation - W To Great Lakes Dist. Asks exact # & type Cutt. & Wash. sets rec'd. 8/24 GE CO - Fwds prints to be attached to copy of report of standardizing committee on radio tel/wrk	
330378	8/19	Fwd. C&R	Returned, contents noted. Re Sound Proof Booths for Battleships. W	8;27
338848	8/16	National Electric Sup Co.	Submits quotations covering emergency radio transmitting sets for life boats and antenna for same.	
336489	8/19	To Comrs.	Fwds. copy of type # bulletins. W	
309773		(CARD 181) NY- Fwds report W 9;7 NY-Fwds report W 9;10 NY- Fwds reports 9;14 NY- 9;20 NY - 9;22 and 9;23	NY - 8/16 NY - 8/16 NY 8/19 NY 8/19 NY 8/24 NY-8;26	New York 8;28 New York 8;29 New York 8;30 New York 9;5 New York 9;12 New York 9;16 New York 9/17 New York 9;18
See Dup. 198 1/2.				
338246	8;15	Beth S B Co	Reqst copy of instruc book for various types of installation. W	
337492	8/23	To Taft-Pierce M.Co.	Reqts. information on equipt. & facilities available for manf. of apparatus. W Raft Pkerce Co- 8;27	

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APPARATUS

Number.	Date.	From or To—	Subject.	
339550	8/22	To Insp. Schenectedy	Reqtd. inspection be made of radio equipt. W	
340470	8;22	Equitable Tr Co	Statement of E J Simon financial correspondence bureau may have in connection with. W	
309773	8;22	New York	SEE CARD 191	
V340290	8/23	To Norf. (T)	Asks to wire when booths rec'd. W Norf - TEL Cannot locate sound proof booth, will arrive Sunday by boat from Balto. 8:26 Norfolk - Booths did not arrive Sunday by boat f from Baltimore. 8;27	
341191	8;24	1st Dist	Reqst blue prints of radio apparatus listed. To--- Fwds ~~XXXX~~ instrn booklets as listed 11-9	
339974	9;21	Bu Standard	Req bureau provide nec material for test.	

APPARATUS: 1918 193

Number.	Date.	From or To—	Subject.
334115	7;27	Mare Island	Submits progress report 7;30
335067	8;7	Washington	Fwds vandykes and prints. W
335798	8;8	Marconi Co	Fwds copy of weekly report showing status of Government Contract W
335145	8/9	To S&A	Reqts. that shipts. be made by express. W
335147	8/9	To Inspectors of Mach.	States disposition of rad. material assigned to vessels building. W
	9th Dist 11;2		
	To 9th-10th-11th Dists- Fwds Bu let of Aug 9th 1-9		Boston-Req disposition of tel sets. 9;19
335148	8/9	To S&A	Reqts. shipt. of rad. apparatus from Boston to & for Sub. Base, Conn. W
	To S&A Reqtd. that action be taken to obtain shipt. of radio apparatus listed from Phila. 9/27		To S&A Reqts. shipt. of rad. apparatus from Phila & to Sub. Base, Conn. 8/9
			To S&A. Reqts. shipt. of rad. apparatus from NY to & for Sub. Base, Conn. 8/9
			To S&A Reqts. shipt. of rad. apparatus from Wash. to Sub. Base, Conn. 8/10 To S&A canc SO of 8/10 9/23
334580	8/9	To Sims (T)	Re shipment of sets. W
			Electrose Mfg Co 8/17
	To Belden Mfg. Co. (T) Disregard rad. lettering if uncertain. Do not dely shipts 8/27		American R&R Corp - 8/17 -
			Belden Mfg Co - Reqst instruc in connec with shipment of wire.
			To Belden M.co. Reqts. all material be mrked "Radio". 8/27

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APPARATUS

Number.	Date.	From or To—	Subject.	
335405	8/12	To NY	Asks rad. material listed is on hand. W	
			To Wash. Same as above 8/12	
			To Norf. Same as above. 8/12	
		Shipment Order fwd 9;29 back 10;7	Fwd New York 8;27	
		To S&A Asks to expedite shipt. of rad. apparatus listed. 11/12	To S&A Reqts. shipt. of Radio apparatus from NY to Cambridge for Radio School. 8/29	
335975	8/13	To Western Elec. Co.	Upon rect. of reqt. from Mr. Robinson why inform. is nec. will take matter up with them. W	
336773	8;9	Phila	Confirms tel conversation, asks if SE 995 apparatus should be fwd to Phila Yard	
337373	8;8	C&R	Fwds copy of tentative spec for battle ship rigging.	
		To C&R fwd copy of drawing 8/29/19	To C&R- rel to rigging and smoke stack guy insulators 8/21	
337934	8;13	Boston	Confirms tel conv reqst authority to install 2 k w set on W L Steed W	
337050	8/15	To Boston	Attaches copy of Standard Stock List of Rad. Div. W	
338500	7/20 8/16	DeForest Radio Sec'y. Office	Protest against the adoption of spark sets as manufactured by Federal Company to the exclusion of spark sets-also against substitution of arc for spark sets C	
			Co Hooper-Sub comments on W 10;1	
338550	8/21	To Insp. Chicago	Reqts. full & comp. report covering facilities, equipt. which Mr. Heller has at hand to manf. rad. apparatus. W	
			Inspr Chi - Sub report, Mr Heller facilities for mfg radio apparatus. W 9/29	

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APPARATUS

Number.	Date.	From or To—	Subject.
295166	7/27	To Sims	Reqtd. that steps be taken to fwd. B. the transmitting keys & relays referred to. W European Forces - Fwds patten switch used by Brisish forces. W 8;6 European Forces- Fwds radio apparatus sec from British for test purposes W 8;30
309644	7/27	SEE CARD 181	To NY. Reqtd. that to obtain such items as may be reqd. for local use as indicated in the list. 7/27 Fwd. NY 7/27
330370	7/29	To C&R C&R- Fwds report 9;4	Explains sound proof receiving booths for Battleships. W C&R - 8;2 C& R 8;13 To---Reqts. tracer on reqt. for data. 8/29 C&R - 9;5 Fwd. C&R 9/14
331055	8/1	To Aumann Mfg.&Co.	Fwds. 1 set of windyke prints of drawing. W
331504	8/1	To Hammond Res.Laboratory.	Cannot loan motor-generator before middle of Sept. W
332468	7;29	C&R	Copy of letter to Phila. fwds auxiliary steam pland in connection with rearrangement of radio room on vessel of Conn Class.
332503	7;31	Inspr Brooklyn	Two letters confirming tel conversation rel to % of completion of apparatus being furnished.
334229	8/10	ToSims	Charging panels for A&B batteries will be available Sept 15th for installation one in main radio room one in aux room each Destr one each for other vesl egpt with audion-How many do you wish shipt and where

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APPARATUS:

Number.	Date.	From or To—	Subject.	
333431	8;2	Chamber of Commerce	Reqst order for wireless equip for 50 ships be placed with K C Co low biders. W	
333699	8;2	Liberty Elec Corp	Asks if will receive award on schedule for transmitters sets. W	
279538		See CARD 160	To S&A Reqts. shipt. of radio apparatus from Wash. to Phila. for Navy Yd. W To--States that power changing resistances will be supplied by Bu. 2/20	
327619	8/5	To Wash.	Fwds. 2 sets of pages 1-312A with corrections of Bulletin RE 15A 105A & certain sheets. with corrections. W	
333308	8/5	To S&A	Reqts. shipt. of radio apparatus from Wash. to NL for Sub-Chaser Base. W To S&A Reqts. shipt. of rad. apparatus from Wash. to Norf. for Radio Officer. 8/5 received 8;21	
To NL. rec'd. 9/3	Reqts.	to advise when apparatus		
New London-Micameter received 12th				
334231	8/6	To Nat. Research Council	Lt. Coman will attend conference on 8/8	
334925	8;6	West Elec Co	Fwds copy of letter received from petty officer, reqst that bureau see that such reqst are made through reg navy channels.	
334281	7;16	Fed Tel Co	Fwds prints showing overall dimensions arc radio transmitter sets. W Fed Tel Co- Fwds. prints. W. 9.28	2 kw
335399	8/9	To (T) Sims	For Co radio detachmt and supply officer Pauillac Fr 1003 cubic feet or 490000 power radio detachmt marke SE 98 WC left Phila. per USS BIS OCKI Aug 6th p/1 Rec'd 3002 Wire recpt mat material	

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APPARATUS

Number.	Date.	From or To—	Subject.
334192	8/7	To Amer. Soci. for Testg. Mat.	Asks why statement of 8/1 sent. W
334502	8/7	To Allen-Bradley Co.	Reqts. compl. set of latest bulletins. W Allen Bradley Co/ 8/16
335022	8;1	Mare Island	Fwds progress report Fed Tel Co on sets. W Ship Board 8;21
335252	8;5	Fed Tel Co	TEL Asks if shall make shipment of 2 k w arc sets by freight or express. W
334580	8/15 Ohio Brass Co 8;22	To Firms.	Reqts. all boxes containing radio material be marked "Radio". W K C Company 8;19 Triumph Elec Company 8;20 Continental Fibre Co 8;21 Driver Harris Co 8;20
336499	8/15	To Western Elec. Co.	Reqts. that type # be rolled in the metal base. W Western Elec Co 8;20
336679	See card 214		
338525	1/10	Wireless Spec Ap Co	Expmts with high tension insulator on panel of 5 KW sets; submits report of - W

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APPARATUS 1918

Number.	Date.	From or To—	Subject.
338550	8/13	Wash-Barnhart	Rqst copies of schedule rons & specf covering wireless telegrsph, telephone sets & material - W
340096	8;17 8;19	Cummings & Lockwood Dept	Sub reasons why Marconi Co should receive award covering radio apparatus even though bid may appear higher than competitors. C
340146	8;16	West Elec Co	Specifications of radio instruments, matter of amending will be taken up in Washington W
339974	8;21	Bureau Standard	Reqst information bureau may have in con. with radio apparatus being made by West Elec Co for Navy. W
340319	8;21	Fed Tel Co	Supply of small arc radio sets, fwds extract from letter of Dr Dodge in connection with. W
339694	8/26	To Wash.	Gives instructions for test of motor generators & p-meters. W To Norf. fwds. 1 binder cont. sheets 1-51-A with corrections. 8/27

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APPARATUS

Number.	Date.	From or To—	Subject.
329269	7/25	To Norf.	Reqtd. that you fwd. to B. a print of semi-monthly Rad. Reports. W Norfolk - Fwds prints 8;2
329260	7/25	To Ports.	Reqtd. that you fwd. to B. a print of semi-monthly rad. reports. W Pg Sd - Fwds ~~report~~ prints for semi-monthly report. 8;5
329261	7/25	To PS	Reqtd. that you fwd. to the B. a print of semi-monthly rad. reports. W.
329920	7/25	To Amman M&C Co.	Fwds. 1 vandyke of 1st sheet of drawing. W
391400		See CARD 180	To Insp. Phila. Re radio installation on TALBOT. 7/26 Inspr Cramps - 9;13
329916	7/25	To NY	Rqtd to fwd any notes in poss. of Rad Lab in order that the glass rectifier may be eliminated on all transmitters now in naval service. 898
329277	7/26	To Sims	Gives list of reports reqtd. for conf. use of Rad. Div. W
329930	7/26	To Wash.	Explains use of improper radio nomenclature. W
330220	7/26	To Norf.	Fwd. Holtzer-Cabot Elec.Co.'s test record sheets. W. To NY. Fwds. H-Cabot Co. test record sheets. 7/72
330222	7/26	To US Ship.Bd.	States that felt is being purchased from the J.Mazer Acoustic Co. W Shipment order 8;2

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.	
327102	7;5	War Dept	Fwds copy of order for audion control box, waive meter etc, rec same be furnished	
~~327904~~	~~7/23~~	~~To S&A~~	~~Reqts shipt of radio apparatus from NY to Norf for vessles~~	902
309773	7;17 New York ; Fwds report 7;31 New York 8;6 New York 8;9 New York 8;13 New York 8;15	New York CARD 181 CARD 194	Three letters. New York 7;31 New York 7;19 New York 8;1 New York 7;18 New York 8;3 New York - 7;24 New York 8;3 New York - 7;26 New York 8;5 New York 7;27 New York 8;8	
322688	7/19	To Amer. Ever R.Wks.	Replying to let. of 7/9 explains type #. W ~~K & C. Co. 12/11~~	
327901	7/19	To Marconi W.T.Co.	Reqts. that Cheetham be permitted to visit factory. W	
306253	7/22	To 2nd Dist. Fwds.	1 vandyke of drawing as reqtd. W	
328701	7;18	Wireless Spec Apparatus Co	Submits report of change of official personnel of company. W	
215481		See CARD 102	To Norf. Approves estimates for install. of generator sets. 7/23 Mare Island 11/1/19 To MI- item of repairs approved 11/13	

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APPARATUS

Number.	Date.	From or To—	Subject.
324589	7/9	To CO (Bri.)WARRIOR	Re loaning arc radio set.
270543		See CARD 155	To NY via S&A. Re spare parts for Submarines turned over to French navy. 7/10 To NY. Reqts. reply to letter. 8/31
323752	7/10	To Federal Tel.Co. (T)	Fwd. compl. plans of radio towers. W
324750	7/11	To Com.B.F.1 (T)	Expert Aid from B. will arrive Base 2 tomorrow. W
322441			Report of meters on 6-17 in connection with wireless development.
325591	6;12	P J Lamdon	Copy of letter to G E Harrison, sub report of progress of work at Federal Tel Co. from 6;5 to 6;12 W
325197	7;11	H Scott	Reqst interview. W

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APPARATUS

Number.	Date.	From or To—	Subject.	
325769	7;10	Boston	Confirms tel conversation relative to master controll box and switches. W To Boston. Will provide 30 master control boxes & switches of each type: 7/17	
325971	6;18	To Boston	Received back 6;27	
326100	7;12	Marconi Co	Sub report of inspec of factory, and believes such inspec should be carried out regularly W	
326425	7;8	Kilborn & Clarke	Writes relative to effect of abandoment of purchase and use of spark type radio apparatus in favor of arc type. States will destroy their organization as well as other radio companies, and outlines in detail the relations existing between their company and the navy department.	
325117	7/13	To Mignon W.Co.	Has no objections to their overhauling a rad. recg. set from Camp Mohawk, Ca. 7/13	
326697	7;13	Delmar	Experiment 4-C Nothing of special interest to report. W	
326747	7/16	To NY	Reqts. to fwd. tracing cloth. W New York - Fwds sheet of tracing cloth	8;1
322505	8/5	To Wash	Mfcr radio apparatus in caccordance with drawings supplied by British Admiralty	786

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
322411	?	?	Report on Alexanderson system of radio tel. as installed on Penna. W
322534	7;1	Communication	Copy of letter of Standard Elec & Elevator Co. stating that they contemplate ~~making~~ mfg radio equipment. W To Stand.Elec.& El.Co. Ack. rect. of let. & reqts. report on their plant. 7/6
322746	6;28 7;1	Third Dist/ S & A	International Radio Tel Co. have been ordered to move, have no other work besides the Government work which will be delayed. W
322700 SEE CARD 205 322580	No date Minutes of meeting of 7:22 W G E Co - Report for week ending 7;29 GE CO - Report of meeting 8;4 GE Co-Further report- W 8;26 GE CO-Fwds report on conf. 9;16 7-3	W Div. To Yards	Submits report of meeting held 6;24 in connection with wireless development. W GE CO. Submits report 7;8 GE Co-Rep on meet held Reports intercepting letter GE Co. to Japan 8th fwds specifications, etc. in connection with securing patents from various foreign countries. W 6;26 GE - Meeting 7;15 GECo-Sub rep meeting held 9;23 Radio Tel - partial shipment of material by contractors- Hereafter only complete equipment should be delivered by various contractors In event that it is necessary to make partial shipmentwhereby inspection can be carried out to an advantage by Yard- Bu's approval will be fwded to contractor upon application-W To Firms- ditto- 7-3
	To Marconi. Reqts. to issue nec.instructions to ship. sec. to have compl. apparatus only del. to Yds.for test.7/13 Marconi Co - 7;15		GE-Fwds rep meeting. 10/1

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APPARATUS

Number.	Date.	From or To—	Subject.
319511	7/5	To NY	States as soon as type of stand. install. is decided on, the type plans suggested will be drawn up. W
320777	7/6	Fwd. Brook. 7/8	Fwds. copies of contract. S received back 7;9
323091	7/6	To NY 911	Reqts. vandyke copyof Abstract on deteriorating defects of porcelain. 7/6 New York - Fwds prints. 7;19
323094	7/6	To CO H-1.	Reqts. report on status of motor generator. W USS H-1 7;29
323096	7/6	To NY	Fwds. type # bulletins. W
323688	10/9	Wireless Apparatus Co.	Submits list of parts Contract 2914
323974	7;1	Boston	Confirms tel conversation in connection with status of shipment of type 995 sets. W
322742	7/9	Fwd. S&A	Recom. immed. action to permit Inter.Rad.T. Co. to retain present location until 10/15. W Fwd S&A 7;9 received back 7;12

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APPARATUS.

Number.	Date.	From or To—	Subject.	
320611	6/27	To Sims (T)	Reqt. to obtain from British 30 gay insulators.W European Forces - Copy - insulation shipped W 7;20 To Sims. (T) Reqt. reply to 13327. 7/20	
2411	6/26	NY	1 K W Standard Navy panel radio sets- understands installation of motor generators having 120 volts will not be installed in those having 110 volts- W	629
321205	~~6/19~~ 6/13	Sims	Fwds letr from naval forcds in France on- taining extracts of reports of ~~instxx~~ inspn of radio eqpt at various French ports.	771
317394	6;27	Electrical Review	Reqst being fwd. W	
321919	SEE CARD 195			
321777	6;21 6;26	Crocker Wheeler Co. S & A	Reqst copy of contract covering material from Crocker Wheeler Co listed. W	
289261	6/28	Fwd. S&A	Portable mast shipped to D.Qmr.Marine Corps, Phila. W	

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APPARATUS

Number.	Date.	From or To—	Subject.	
320716	6/28	To S&A	Reqts. shipt. of radio apparatus for Marine Corps to Phila from Wash.	
321747	6;27	American R R Corp	Asks if possible to obtain ~~list~~ copy of ~~prints~~ list covering drawings of 1 kw set. W To American Radio & Research Corp- Will be fwded a full set of drawings in event of a schedule being issued for this type of apparatus- 7-3	
322276	6;25	Pg Sd	Comments on desirability in having firm for third district mfg radio apparatus. Submits information of probability of K C Company going out of business and Skinner & Eddy Corp. ~~and K C Corp taking over~~ taking over holdings of K C . W	
1541	6/28	~~Marconi Co~~	Fwds duplicate books of photostats drawings of 20,30, 100, 200, 500, 1,000 KW arc radio tracings constructed by Radio Telegraph Co W	629
321200	6/15	Sims	Fwds letr from naval forces in France containing extracts fo reports of insph of radio eqpt at various French ports. W	771
320301	7;22	Pg Sd Old Number	Submits supplementary of radio instal. To—— Gives schedule of disposition of radio transmitting sets. 6/6 Pgsd - Gives assignment to retain transm. sets	8;15

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[OVER.]

APPARATUS

Number.	Date.	From or To—	Subject.
316730	6/18	To Firms	Reqts. their opinion on estimating the percentage of completion of apparatus. W 6/18 F Lowenstein - Fwds modification proposed 6;21 E J Simon - Submits report and recommendation. 6;25 Wireless Improvement Co 7;10 Marconi Co - Detailed comments on 8;14
317010	6/18 CANCELLED SEE 286-6 323763	To CO, vessels listed.	fwd. blueprint for re-arrangement of radio room. W CO. MICH. - Fwds sketch showing location of Decording table. 7;3
317011	6/18	To NY	Author. to draw from store old radio material. W New York - Reply 6;27
317375	6/18	To S&A	Reqts. shipt. of radio apparatus from Wash. to B. or Stan. W Shipment order 6;18 received back 7;16
317394	6/19	To McGraw-Hill Publ.Co.	Reqts. copy of Elec. Review of 4/27. W 6/19
318191	6/20	To Wm.Ainsworth & Sons Firms	Reqts. descript. data of analytical bal. of capacities up to 200 grams. W4 To Christian Becker. Same as above. W4 6/20 Christian Becker - Fwds catologue. 6;21 Thompson Co. - Fwds catologues. W 6;24 Wm Ainsworth - Will fwd catalogue latr. 9;13
318200	6/20	To Firms	Re mechanical tests conducted on metal & fibrous insulating materials. W4 To Timus Olsen T.M.Co. Reqts. literature re testing machine of tension & compression type W4

Timus Olsen Test Co. - Fwds catologue 6;25

American Soc. Fwds duplicate bill 8;9

American Society - Fwds duplicate bill 8;9
american society - fwds statement--10/3

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APPARATUS:

Number.	Date.	From or To—	Subject.
316731	6;20	Liberty Elec Corp.	Fwds blue prints with suggestions on weekly schedule reports. W
310466	6/24	To Norf.	Suggested that the "T" type Antenna be installed only where absolutely nec. W To N.O. Fwds. 1 yandyke of drawing showing Antenna details. 6/24
319258	6/24	To B.of Standards.	Ack. rect. of Errata Sheet for correcting Circular #74. W.
319433	6/25	To West. Elec.Co.	Reqts. to fwd. 1 copy of each of specifications & drawings listedin let. W West Elec Co. - Fwds drawings and specification. W 7;5
320497	6;15	Dept	Fwds copy of report of progress for devel. and testing in radio laboratory. W
320301	6/27	To PS	Reqts. report on this contract. W
	Pg Sd - Fwds report on issue of 1 and 2 k w trans. radio sets. W 7;13		Pg Sd - Fwds report on instal of transmitters on shipboard vessels also number needed. W 7-13
320755	6/28	To E. Edwards, GE Co.	Reqs. copy of contract. G E Company 7;10 G E Company - Reqst action 7;25 To GE Co. Do not comply with reqt. of Swedish Tels. 8/1

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Number.	Date.	From or To—	Subject.
316211	6/7	Signal Corps	Rqst one radio station deck of type number data on naval radio apparatus. W To Col. Slaughter. Fwds. 4 copies of type # bulletins. 7/10 S&A - Fwds copy of correspondence. 7;29
316497	6-13	Signal Corps	Request signal Corps be favored with copy of all radio literature issued. W To Signal Corps. States that office has been put on mailing list. 6/19 To---- Fwds. copy of each of semi-monthly rad. reports. 8/19
316594	5-24	Mare Island	Charging panel for audion A battery on destroyers - fwds vandyke - request authority to install on destroyers 94 and 156 class. W Fwd. Wash. 6/19 received back 6;29 To Mare Is. Commenting on charging panel for batteries on TBDs. 7/6 Mare Island - Rec standard type audion charging circuits and panels. To----Panels will be bought & distributed. 8/15
316547	6/12	Atlantic Fleet	Recmnds work of planning and estimating in conn w authorized changes of antenna ammeter sets enlargement of radio room etc be completed prior to arrival of ships at navy yd. W
319511	6;21	New York	Sub. detail comments on radio tel installed on destroyers 81 and 82, reqts wiring of receivers be made standard. W
317058 old number	8;26	Fwd Eur Forces	

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Number.	Date.	From or To—	Subject.
317134	6-5	Mare Island	Fwds prints showing operators stool for use in auxiliary radio room and on destroyers. W
317177	6-10	No source	Submits report of meeting held June 10 in connection with wireless development. W
316738	7;19	American RR Corp	Detailed comments on submission of weeks report.
316863	6/14	New York	Fwds plan suggested impossible for battle radio system. W
315762	6/14	To C&R	Fwds. vandykes for each of listed encl. W To C&R Fwd. vandyke for re-arrangement of radio room IDAHO. 6/18
315762	6/14	To Atl. Fleet.	Fwds. 2 blue prints for each of lsited encl. W
316449	6/17	To HRds.	Reqts. to calibrate a S.K.W. transmitter for a wavelength of 375 M. W 6/17

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[OVER.]

Number.	Date.	From or To—	Subject.
315365	6/1	Signal Corps	Rqst Capt Guy Hill be allowed to discuss new types of radio apparatus with the Signal Corps officers. W
315165	6/11	To Westinghouse	Encl. p.6 of specifications Re 13A 255AW
315671	6/8	Phila	Confirms telephone conversn rel to arrgt of radio room on destroyers. W
303883	6/12	To Marconi	Re ques. of comp. for leased radio apparatus. W Marconi Co 6/14 Fwd. Comm. 8/7 Fwd. Stor. & Traf. War Dept. 8/28
307420		See Card 180	To Pyrolectric Inst.Co. States that quotation is on file. W 6/12
314260	6/12	To CO Penna.	Fwds. blue prints showing plan of pneumatic tubes. W 6/12 Atl Fleet - Submits recommendations. 6;26 Norfolk - Fwds plans showing pneumatic tubes system. 7;11 To Norf. Approv.tubes for MISSISSIPPI 7/27
315481	7;13	Norfolk OLD NUMBER	Sub estimate covering instal. on Jacient Orion
315307		See CARD Dupl.198	

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Number.	Date.	From or To—	Subject.
316311	6-1 6-10	Cost Inspr Fed Tel Co S&A	Fwds schedule of wages now in force at the factory of the Federal Telegraph Co. Fwd. S&A 8/2 To S&A 8/7 RB 8/19
315206	6/13	To Chasn.	Asks to explain inconsistency in report re spark set. W3 Charleston - Installation will be completed 6;22 W
		S&A - circular - reqst mat'l listed be not issued on reqn - 2/26/20	
315207	6/13	To S&A	Re shipt. of radio apparatus & gives instruct. re same. W
To CO RAINBOW		Gives list of material authorized to be carried. 8/26	CO ARIZ. 8;18
CARD USS JEANETTE SKINNER- 9;4			S&A - 7;13
201 To CO. USS J. Skinner.		Replies to reqt. for radio supplies. 9/14	S&A - Circular letter containing inspec in connection with issue of radio apparatus. W 7/17
TO CO CHICAGO		Gives list radio repair & spare part mat. author. to carry in stock. 9/21	CO COL - Reqst radio tel equip. 8;1 To NY. Author. installation of rad. apparatus onCOLUMBIA. 8/15 To CO BEAVER. Giveslist of material authorized as stock. 8/24
		See CARD 198-1/2	
310466	5/28	To Yards	Radio Tel-adherence to Navy standard plans of radio eqpt-det instn in re to. W To Newport In re above 5/31 To Key West Ditto 5/31 To Grt Lakes Ditto 5/31 To Pensa Ditto 5/31 Key West - rqsts antenna dwgs be fwded 6/4 New York 6/13. To Key West. Fwds. vandykes of drawings. 6/18 To NY Re adherence to Navy Standard radio Plans. 6/19 To Mare Is. Fwds. 1 vandyke of B.plan showing antenna. W 6/20
312712 6;26		Weston Electric Co.	Norfolk - Reqts vandykes. 6;18 Reports on reorganization of method of making repairs to instrumentx. Cross to 893
Old Number			

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[OVER.]

APPARATUS 1918

Number.	Date.	From or To—	Subject.	
312939	5/23	M Is	Submits report on test and insp of Cutting & Washington motor boat radio sets - W	
313015	6-5	To Bost	Radio installation on Destroyers- Rqst inspection be made of radio equipment when destroyer first arrives in yard-W Mare Island 6;25 MI - Sub recommednation. W 9;12	
313032	6-5	To Liberty Elec Co	Fwds specifications RE 13A 216 - Re 13A 212B - Re13A 264- W Liberty Elec Corpn 6/12 To---- Will be supplied with complete set of drawings in time for bidding. 6/27	
313035	6-5	To B E Jarvis Inc- Phone-	Quotation and time delivery be fwded by June 5th at latest- drawings for sound proof booths To (T) B E Jarvis Inc-Urgent you submit on sound proof booths immediately-6-7	
314095	6/4	Experiment Sta 10143 mr	Understand Bu shipped complete apparatus for special radio experiments on Sunday. W Experiment Sta-rqst copy of shipg instns 6/11 Exp Sta - Submits report. W 6-14 Exp Sta. - 6;27 Naval Academy - List radio apparatus received. 7;3 - W To Annapolis Items listed need not be charged to any appropriation. 7/10	
314102	6/4	Dubilier Condenser Co	Are writing to K & C Co rqstg ~~xxxxxxxxx~~ contract or reqn ~~x~~ number coverg apparatus. W	

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APPARATUS

Number.	Date.	From or To—	Subject.	
314802	6/8	Phila	Fwds vandykes. W	
313886	6-8	TO S&A-	Rqst shipment from NY to Norf-radio apparatus-W To Norf- in re radio apparatus shipped-5-8 S&A-copy of letr to NY askg date of shipt 6/13 S Order Or 6;8 R B 3;1	
314945	None	None	Meeting 6/3 on wireless devebpments. W	
315074	6/7	New Orleans	Rqst radio file number for radio plans and reports. W	
315104	4/29	Washn	Fwds prints of radio apparatus listed. W	
314250	6-10	To Brynat Elec Co	Fwds drawing as listed- W	
315037		See CARD 198		

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APPARATUS

Number.	Date.	From or To—	Subject.	
311356	5-31	To Sims	Review of insulating materials- Rqst specifications in re above-such as drawn by the British Military and Naval Services be obtaiend and fweded- W European forces 7/27 - European forces 8/1 - Fwds copy of condition of contracts for insulating material	
311357	5-31	To Kilbourne & Clark Mfg Co-	Have directed sub-contractorssupplying material for comstruction of Navy tuner apparatus to honor orders for materials when accopanied by Navy contract numbers only-m comment on--W	
311359	5-31	To Electrose Mfg Co-	Radio drawing RY 61AA 422 has been delivered to you by Ry- 1 ored er dies might be provided with additional sections for production of insulators in this class- Make necessary arrangements to provide our 350 molds with parts andsections soas to be prepared to fill orders immediately-W Electrose Manufg. Co. 5/31 - W- Electros Mfg Co. 6;7 W	
311848	5/28	Internat'l R Co	Request van dykes of Marconi Co drawings 11747 & 11748. To Marconi Co- R st above--6-7 Marconi Co-fwds vdks 6/13	
265832	6-1	See Card 152	To Chasn- R st info as to what steps have been taken to have 1/2 K W engine unit removed from R F WILLIAMS- has been returned-W To Chasn. Rqst report on gas engine unit 6/18 To Copely M.Co. Desired that engine rad. power unit be shipped to Chasn. 7/31. Copeley Mfg Co 7;25	
312219	6-1	To (T) Wireless Specialty Co-	Rqs t Raclay confer with Lt Com Sweet Bu S E Wash Monday A M -6-1 W	

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APPARATUS- 876

Number.	Date.	From or To—	Subject.	
280717	5-31	To Sims	Radio Tel specifications fwded-W To Sims- Fwds specifications- 6-10 To Sims. Fwds. manfg. instruct. for spark transmitters. 6/27	
290668	5-23	To Dept- F. Name	Changes in radio installation necessary before our battle ships can operate with British Grand Fleet- W	
311723	6-3	To Pan-American Wireless Co- In re to installing Federal arc at radio stations--W Marconi Co 5:29 Pan American Co 5:29 W Pan Amer W T & T Co-rqst auth for Fed Teleg Co to mfe arc appts for instln at NY undercircuit. 6/10 copy of cont. with Fed Tel Co. 6;25	Pan Amer W T & T Co-rqst auth for instln at Buenos Aires of arc appts fx under circuit. W 6/10	
312711	6-4	To Weston Elec Co-	To--- Commenting on converter radio transmitter 6/18 Pan Amer T T Co. fwds In re complaints received- difficult in obtaining instruments which have been returned for repair- Rqst report after invest'gation-W Weston Elec Inst Co-detailed comments on 6/12	
312715	6-4	To NY	Spokes for wave changer and loading coils- fwd Su 8 vandyke copies of drawings RY 61AA 401 to 410 inclusive-W N Y 6/8-fwds vandykes.	
312726	6-4	(T) To Weston Elec Instrument Co- Ship immediately Liberty Elec Corp Port Chester NY one set 2 KW radio instruments-W Weston Elec Instru Co - T - Shipping 2 KW instruments to Liberty Elec Corp. the 8th. W 6-6		
312589	6/1	NY	Fwds van dyke and prints showing schematic diagram of distant control system for Battle-ships; Flagships and Battle Cruisers - W	
313088	6-1	Charles W. Waller	Fwds copy of letter to the Pan American T&T Co - fwding resignation. W	

4—3381

[OVER.]

APPARATUS

Number.	Date.	From or To—	Subject.
~~TO COMMISSIONER PATENTS~~-			
309779	5-25	To Commissioner Patents-	Rqst furnish with listed rqst-5-25 W
309782	5-25	TO S&A	In re to carload of red oak lumber to Russell-Schwarz Newark- from R E Wood Lumber Co - SG Russell Schwarz-rqst secure permit for shipt of white wood from R E Wood Lumber Co. W 6/7 No source - Memo for SG division in connection with. 6-14 **To Russell-Schwarz Co. Permission granted to Wood Lbr.Co. to ship 2 carloads of poplar to them 6/12. W 6/25** ~~RS-CO - Notice of award.~~ -R- Russell Schwartz 7;12
		To Russell-Schwarz Co. Asks on what ~~xx~~ govt. orders intend to apply 2 carloads of poplar wood 8/1	
310716	5-24	Marconi Co	Copy of letter to the Western Electrical Co - mail list of instruments which have been returned for repairs and asks when may expect delivery. W
310113	5-27	To Electros Mfg Co-	Molded hubs cannot be employed in the construction of 1/4 K W auxiliary sets (panel) as being produced under contract by Wireless Specialty Apparatus Co- due to lack mechanical strength in your material-discontinue work on molds- communicate with Wireless Specialty Co- W To Wireless Specialty Apparatus Co- fwds copy of above letter --5-27
310460	5-28	TO S&A (Phone)	Telephone rqst from N Lond Supply Officer received for Title "X" radio material-Rqst S&A- to rqst N Lond to carry some of this material in stock and anticipate wants-comments--W TO S&A-Rqst shipment from Wash to N Lond radio apparatus- 5-28 S & A 6;26 **To NL. ~~States that spare parts will be~~ suff. for needs of s.c. 7/6**

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N. S. E. Form 134.

APPARATUS- 876

Number.	Date.	From or To—	Subject.	
310464	5-28	Inspcr Brook	Lack of consideration to orders-In re ton Fisher-Sweeney Bronze Co- Det comment-W Inspr BROOKLYN confirms tel conversation in connection with. W 6;6	
309728	5;21	Westinghouse E & M Co.	Fwds Supply Dept Catologue giving informatió on apparatus listed by Supply Div. W.	
309921	5;23 To Exp Sta- addtl info reqstd Exp Station-Mr Peters expects to give demonstation within a week. W 4;13 To Dept 4;25 RB 5;5	Experiment Station	Requires list of apparatus be supplied on test 1043 W 4-12 Experiment sta-rqst allotment $400 for experimental and research labty. 6/10 To Annapolis, Allot funds for special radio work. W 6/13 Naval Academy 7;13	
262909	5-29	See Card 150	To Wireless Specialty Apparatus Co- Will communicate with Boat Yard in re to liquidated damageson contracts 64-109-671-28894 and 25776-W To Bost--in re above--5-29 R B 6/13 FWD S&A-- 7-3	
311875	5-27 5-29	Chief Cable Censor Naval Communications	Post letter intercepted from Cutting & Washington to Zaragoza, Spain. fwding booklet on Wireless apparatus. W Fwd Communications-6-3	
W-800	5/23	Inspr Boeing	Boeing Airplane Co - reports on re- organization of - reports production increase- reports detail on use of Hall- Scott motor, etc.	DA 629

4—2381

[OVER.]

Number.	Date.	From or To—	Subject.
309394	5;22	To Federal Tel Co.	Contract with Western Electric Co. one 30 k w arc transmitter. Do not believe that company should be relieved of obligation. Reqts contract be carried out. W To Federal Tel. Co. Asks status KW Arc. W 6/12 Federal Teleg Co-fwds copy of agreement bet Federal Co and Western Elec Co covering 30 k w arc. 6/13 To----- Reqts. to expedite itemized list of parts.of Unit. 7/6
		To Wash. Comment & recom. reqd. re arc converter. 7/23	
309235			Signal Corps 5;22 To Signal Corps - Fwds probable types of radio apparatus which are desired by General Russell U S A-W
307787	5-23	To Cutter Elec Mfg Co- New York	Rqst weekly report covering radio contractor contract number and quantity and date shipped-W Cutter E&M Co - Fwds list of radio circuit breakers.orders. 5-27 To Cutter Elec Mfg Co- in re shipment of breakers 6-5 To Cutter E&M Co. Gives schedule for shipt. of 2 K.W.circuit breakers.W 6/14
308532	5-23	TO S&A	Rqst shipmnet from NY to Wash radio apparatus--W To S&A Reqtd. that executed salmon copy of shipt. reqt. be fwd. 8/1 received back 8;3
308915	5-22	To (T) Boehler Die Casting Co-	By Marconi orders you are auth to employ Lowensteinmolds--W F Lowenstein - Fwds extract from letter of Boehler Dye Casting Co re moulds to be used. 5-24
309921	11;25	Experiment Station	Received back. Expr Sta 3-8 Request additional allotment for special radio work. To Annapolis 3-18 Request allotment Exp Station-Sub further report. W 3;20 TO SEC - Fwd 4;25
		To Annapolis- let er of 5-3 allow was approp to cover cost of materia in labor to assit Mr.P in making demon of radio appr 5-6	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
309805	5;24	Sims Copy 8333 IL-8333	Trunk containing radio apparatus shipped from Washington about 3;10 lost in transit, consigned to Lieut. Co. Raquet, asks name of ship on which shipment was made.
		To (T) Sims-Refer your 8569 50 - Western Elec interplane s ets for stations 14 and 15 referred to in Bu summary are same as Bu despatch-5-29	To (T) Sims- In re Range Western Eled Tel -Det in re to--5-25
		European Force - 7;18	Sims - Copy 8569 - Submits report of 2nd test of Estern Elec interplane set signal corps type. 5-28
302825	5-24	See Card 176	To Electrose Mfg Co -Advised will be sufficient to identify orders with the Navy schedule number or requisition number--W
309638	5-24	To Western Elec Co-	Fwds letter thru Mr Penney auth to take with him any material needed for his work--5-24 W
			To Collector Customs NY-Rqst Mr Penney allowed to take material abroad as listed-5-24
302116	5-23	See Card 175	To S J Steadman- acknowledges--W
			To S J Steadman- 5-28--
309644	5-25	To Phila	Radio T l Insulating Material-Cet comment on-- W- e
See CARD 192		To Coms.&Ind.Mgr. Reqts.reply to Lat.of 5/25. WB 6/11	To Wash -Ditto-5-25
		NY-fwds list of instlg matl rqrd durg the next 6 months. 6/10 (Cross to Insulating Material)	To Bost--5-25
		Norf 6-17 . Fwd. NY 7/27	Phila. List of material 6;18 received back 7;15
309773	5-25	To NY- CARD 191	N Y Fwds prints on approximate list of material reqts for local use. Electros Mfg Co 7;12
		New York-fwds daily insp rept 6/11	Radio Tel daily radio inspection report-
		N Y-fwds daily insp rept 6/12.	Fwd forms for use of smae- instruction in re to---W
		New York 6/13 (2 letters)	New York - Fwd 6;27 W
		NY - 6/12	To Bost--Ditto--5-25
		N Y 6;23	N Y 6;20
		New York - Fwds report for 6;13.	To Mare Island--Ditto-5-25
		6;18. also report for 6;13	NY - fwds insp report - 6/4
		New York 6;26	N Y-fwds daily inspectio report. 6/8
			NY - Fwds report. 6-15
		To Mare Is.	Not nec, to submit daily report, 7/6
		NY -7;12	NY ;7;14
			New York 7;6 two letters NY
			" " 7;8
			Mare Isl. Reqst action 6;21
			N. Y. 7;8
			NY 7-10

4—3381

SEE CARD 194

APPARATUS

Number.	Date.	From or To—	Subject.	
307288	5;15	Marconi Co.	Fwds financial statement relative to government contract for week ended 5;14 W	
307542	5;3	Pearl Harbor	Booklet containing plans for coordination of radio work at ~~Naval Academy~~ Navy Yard. Reqts station B be included in plan. W Pearl Harbor 1-21	
307486	5;16	S & A	Copy of letter to Norfolk, reqts copy of Standard Stock Catologue. W	
307667	5;15 International Insulating Co 6/10	Marconi Co.	Reqts bureau's order National Lead Co. to change mold so as to allow proper amount of schrinkage. W To Dickinson Mfg Co- Rqst advise exact diameter of molded hubs RY 61AA 382c- 5-27 To Marconi- in re above--5-27 Internat'l Insulating Corp - 5-29 To Int Insulating Corp-Rqst dimensions as listed - molded hub--6-7	
307712	?	~~Pan American~~ Wireless T & T Co.	Installation of radio equipment at proposed station Buenos Aires and N Y. Reqts information as to whether only arc transmitter shall be installed and no other machine arc sets be installed. W Pan American Wireless T & T Co. fwds copy of letter to Federal Tel Co. in con. with the enclosed installations. W 5;18 To ~~Pan American Wireless T l Co~~- in re arc apparatus-5-23	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
291400	5;16	Inspr F R SEE CARD 174	Fwds copy of letter to Union Iron Works giving information requested. W Inspr Union 6;24 Inspr Cramps - Fwd let. from NY Philadelphia gives corrections to drawings. W Philadelphia 5;20	(5;16) civ. status 7;20
		To Inspcr FR- Radio installation Destoyers 79-92- 95-112- 161-180-		
See CARD 191		251-335- 5-29		
		To Inspcr Union-Radio installation	To Phila- Fwds copy mfcg instructions RE 17A 55A including list of parts comprising the 1/4 K W emergency spark trans- mitter- 5-28	
		Fwds vandykes coveing installation on destroyers listed-5-29		
		Pearl Harbor 5-29 To Pearl Harbor.	States that ref. let. of 5/14 fwd. in error W	6/20
306753	5-18	To Clapp Eastham Co--	Asks what auth to quote Navy type tel receivers--W Fwd Communications--5-18 Cloke Esthom Co. fwds catologue page showing receivers on which quotations was reqts. W	5;20
307420	5-18	To Firms	Reqst immediate info as to price, date delivery and complete description of listed-W One standard Mica Condenser-One Pyrometer portable- Four Radio Frequency Milliameters-W	
See Card 180		Leeds & Northeys Co. 5;22	Roller Smith Co. submits quotations reqts. W	5;21
		Pyro Elec Instr Co sub quotation on birometer W 5;23	Weston Elec. Instr. Co. cannot quote on standard mica condensers. W	5;21
		Leeds & Norfolk Co-submits quotatn of standard mica condensers. 5/24	Thompson Levering Co. 5;20 sub. quotation on standard mica condensers.	
		Pyolectric Instr Co - ask if qu. tatn recd 6/5		
308794	5;20	New York	Reqts vandykes of drawings RE 12 A 104 W To NY-- Fwds vandykes as rqsted-6-1	
308041	5;17	New York	1/2 k w radio set at Ludrous Marine Cons Co asks if shall return to yard. W To NY-- Be returned to NY store-5-24 back To NY-- Rqst action letter May 24th-7-3 To NY. Reqts. reply to letter. 8/30	10;26
308542	5-21	To (T) Ramsey Houget	Would be peased to have you call Bu Navy Dept Coom. Sweet Lommorrow relative to matters concerning Waller-W	

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[OVER.]

APPARATUS

Number.	Date.	From or To—	Subject.	
306715	5-16	To (T) FR	Bu will assign one kilowatt Simon transmitter-Should this apparatus be delivered Quincy or Bost--Reply Desp-W FR - radio apparatus for AA-1 should be delivered by express - 5/17 - W	
307054	5-16	To Eimer & Amend-	Rqst catologues illustrating your physical apparatus--W Eimer & Amend 5;15 W	
307090	5-16	TO S&A	RQST SHIPMENT FROM NY to Ports radio transmitting sets-W-	
307091	5-16	TO S&A	Rqst shipment from NY to Phila radio transmitting sets-W Received back 1;21	
303801	5/5	~~Pacific Fleet~~	~~Request telephones, layden jars, head~~ telephones, extra cards, audion bulbs, etc be forwarded via BRIDGE	494
306265	5-17	To I A Scribner,	advising no need of platinum, W	
307058	5-17	To Sims	Re Confidential Radio Reports, W Confidentaial report on radio compass from the enemy nonavailable. Cross to 919	

N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
307092	5-17	To S&A	Rqst Shipmt from N Y to Norfolk, 10 1-K W Simon Radio Transmitting sets, W Received back - 1;30
307093	5-17	To S&A	Rqst shipmt from N Y to Charleston, 20 1-K W Simon Radio Transmitting sets, W
307094	5-17	To S&A	Rqst shipmt from N Y to New Orleans, 10 1-K W Simon Radio Transmitting sets, W
307095	5-17	To S&A	Rqst shipmt from N Y to Great Lakes, 20 1-K W Simon Radio Transmitting sets, W
307103	5-17 N Y Material due on contract. 6;25 W	To S&A	Rqst shipmt from N Y to Newport, 5 1-K W Simon Radio Transmitting Sets, W 2nd Dist-rqst expedite shipt of radip apparts for Hull #T17-6/7 ~~To Newport: Cannot supply radio set wanted, W-30 6/12~~
307124	5-17	To American Spray Co	Acknowledges letter re cooling nozzles, W
307423	5-17	To N Y	Re semi-monthly report of Radio Telegraph W

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[OVER.]

APPARATUS

Number.	Date.	From or To—	Subject.	
306431	5-15	To S&A	Rqst shipmt from N Y to Charleston, 25 Marconi Radio Transmitting sets, W	
306439	5-15	To S&A	Rqsting shipment from Norfolk to Bureau one Standard Stock Catalogue complete, specifying for Radio Div, W	
306477	5-15	To Mare Island	Rqsts inspection of transmitting sets mfgd by Federal Telegraph Co, W Federal Tel. Co. 5;16 To Fed Tel Co-In re above--5-18 Federal Telegraph Co 6-20 M Is - 5/24	
306046	5-14	To S&A 476	Rqst shipment from NY to Grt Lakes radio transmitting stets W	
306047	5-14	TO S&A	Rqst shipment from NY to N Orl transmitting sets--W	
306048	5-14	TO S&A	Rqst shipment from NY to Chasn Radio transmitting sets-W	
306049	5-14	;TO S&A	Rqst shipment from NY to Norf radio transmitting sets-W RB 2;13 Norfolk- Asks bill of lading number 12;6 To S&A- Asks status of above shipmt order	12-13

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N.S.E. Form 134.

APPARATUS- 876

Number.	Date.	From or To—	Subject.	
306050	5-14	ToS&A	Rqst shipment from NY to Phila- radio transmitting sets--W Phila-copy of letr to S&A statg radio transmitting sets not recd. W 6/4	
306051	5-14	To NY	List of shipments of radio transmitting sets W--	
306426	5-14	TO S&A	Rqst shipment from NY to Ports Received back 7;3 radio transmitting sets-W Ports-Tel. Req shipment of remaining sets be expidited. W 9;26 To Ports (T) wire if above located 10-1 Ports-Six sets due on pureaus ship order	10;3
306427	5-14	TO S&A	Rqst shipment from NY to Bost radio transmitting sets-W Received back 9;11	
306432	5-16	TO S&A	Rqst shipment from NY to Key West- radio transmitting sets-W To Key West rqst if radio recd 11-7 Key West 11-7 RB 11-15	
306433	5-16	TO S&A	Rqst shipment from NY to N Orl radio trasnmitting sets--5-16W	
306434	5-16	TO S&A	Rqst shipment from NY to Grt Lakes Radio transmitting sets-W Great Lakes 7;11 Fwd. S&A 7/17 Shipment order 5;16 received back 7;19	
306435	5-16	To NY	Gives assignment of 350 1-KW Marconi Radio Transmitting Sets- under NY contract NPO 2411---W	

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[OVER.]

APPARATUS

Number.	Date.	From or To—	Subject.	
3 05018	5-9	To Firms	Reqts that the production of radio material for F. Lowenstein be not held up pending order number for contract 5-9	W
		Weston Elec. Instrument Co. order of L. Lowenstein being urged. W 5;16 W	Dubilier Condenser Co 5/10-Fwds copy of letter from Lowenstein Co stating that condensers should not be delivered before June 24. American Transforming Co have not held up work pending receipt of contract numbers from Lowenstein. 5;11 Roller Smith Co. 5;14	
306114	5;11	Inspr Brooklyn	Rethreatened strike at Forester Brothers wages of several employes raised and strike abandomed. W	
306176	5;11	Federal Tel Co.	Fwds vandykes #3# of instruction book for 30 k w trans subs also 20 k w W	
306103	5;10	Second District	Reqts blue prints of standard fittings and specifications for radio installation. W To 2nd Dist. Re radio telegraph installation of apparatus on merchant vessels, Master control switch. 5-17 Second Dist - Reqst expidite plans. 7;12	
306274	5;3	Mare Island	Fwds weekly report in connection with radio laboratory, radio draftings, radio shop Mare Is. and radio shop San F. W	
306253		See CARD 191		

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.	
306684	5/14	Western Elec Co T	Submits quotation on fillers and choke coils. W To (T) New London, re filters and choke coils desired, 5-15	
304610	5-11	TO S&A	Rqst shipment from Wash to Exp Station N Lond-radio apparatus—W Western Electric Company 5;14 confirms tel submitting quotations. W	
36141	5-13	New York	Reqted that suggsted changes in design be reffered to B for approval before instruction are given rad contractors to make modification in apparatus not approved suggest of wireless I Co	629
293851	5-15	SEE CARD 171	To Western Elec. Co, re methods employed to eliminate ignition noises from the radio telephone receivers, W To Hampton Roads 5;15 received back 5;24	
306428	5-15	To S&A 898	Rqst shipmt from N Y to Phila, 10 Marconi Radio Transmitting sets, W received back 10; 1 Received back 11;26	
306429	5-15	To S&A	Rqst shipmt from N Y to Norfolk, 15 Marconi Transmitting sets, W received back 11;14	
306430	5-15	To S&A	Rqst shipment from N Y to Washington 4 Marconi Transmitting sets, W To S&A Rqsts. shipt be amended.	

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[OVER.]

8/8

Number.	Date.	From or To—	Subject.	
303736	5/2	NY	Fwds booklet of instructions and working drawings 30 KW - Federal arc sets purchased from Federal Telegraph Co under contract 120. W	
303274	4-29	Phone Copely Mfg Co-	Radio Tel-1/2 K W motor boat sets spare parts and replacements Bu N S A Rqn.1603-Fed Tel Co - List parts of arc convertibles. W 7;8	
302825	5-3	To Firms	Electros Manuf Co - 5/27 In re weekly production reports-radio apparatus from sub-contractors-Want Navy contract number as part of shop order number -	
	Wireless	Imp Co-5/10-re changing of weekly circular reports to incorporate daily contract no.	To Electrose Co- Asks to use Navy contract Nos instead of factory nos- asks deliveries on contracts as listed 5-9 Marconi Co 5;10 W See Card 181	
	E J Simon 5/8-ask if possible that no order be issued for matl to sub-contrs unless Navy contr no. appears on face of formal order. To Wireless Improvement approves method 5-15			
30864	5-1	PUGET SOUND	Asks if factory ~~ASKK~~ tests or transmitters sets were witnessed by Bureau representative	629
304043	4/24	Mare Island	Requests copies of Bureau Standards bulletin on measurements of high frequency. W	
276315		From Card #159	Mare Is-Not advisable to enter into contract with Haller Cunningham Co if Bu's needs contracted for.W-4/27.	
303399	5-6	To Ohio Brass Co-	Will be pleased to undertake thorough tests on porcelain rods-W Ohio Brass Co. asks if Mr/ Austin can be present at test of new design porcelain antenae rods. 5;14 To Ohio Brass Co- Will make arrangements with Mr Austin to witness special tests insulators- 5-29	

N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
303653	5-7	To Continental Fibre Co-	Fwds forms RE 10AA 120B with sheet instrction RE 10A 117A for use weekly production reports-Comment on---~~57~~ 5-7 To Continental Fibre Co-Asks for weekly radio produtction reports-Enclosoes additional vandykes form RE 10AA 120B----5-24 Continental Fiber Co - Factory is mailing report direct. W 5-25
303880	5-7	To Marconi Co-	In re to cost of leased radio apparatus-W M arconi Co - request give action in connection with rental proposition - 5/23 - W To Marconi Co- Det in re above--5-29 Marconi Co - reqst reconsideration f revisal of payment of rental of leased radio apparatus - gives reasons why - 6/5
		Ch of Embarkation --- Suggests navy purchase wireless equipment on army ship for its own acct - W	
304937	5/8	F Lowenstein	T-rqst copy for 100 radio sets provide for payments same as on ctr 30863-W
305125	4/29	Mare Island	Submits vandyke reports on test and inspecns of radio appats-W
305336	5/9	War Dept	Rqst arrange for admission of Capt Kinsley to Belmar and New Brunswick to look over radio installations.W
305534	5/9	F Lowenstein	Various contracts -appeals against liquidated damages.W To Lowenstein Radio Co, re above, 5-,5 F Lowenstein 6/8

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[OVER.]

APPARATUS. 1918

Number.	Date.	From or To—	Subject.	
300949	4-26	To G E Co	Mr E P Edwards-Will require about 35 sets of medium and high power vacuum tube stations-W To GECo - Re above-2 of sets will require 3 phase 60 cycle 220 volts motors and the remainder 110 D.C. motors--5-4	
300947	4-29	To Western Elec Co	Contract for 500 helmet phone consists of listed sets-- W	
302695	No date	No source	Bulletin RE - 13-A-3-A will be sent to firms listed. W	
302501	4/30	Naval Communications -	Request complete list of Naval vessels equipped with continuous wave transmitters - W	
302523	5/1 To (T) Atlantic Mine Force- Necessity short wave receivers for mine planters not apparent- Rqst details why needed 5-3	Atl Mine Force T	Request all mine planters be furnished with short wave receivers , meters and receiving control boards - request express shipment to NY before 5/7 - W To Mine fForceAtlantic- (T) Necessity short wave receivers for mine planters not apparent Rqst details why needed-5-3	
303241	4-30	Lalley Electro Lightng Co	Relative to their auxiliary generating set for operation of wireless sets. W	
300950	4/27	To S& A	Reqst proposls for radio apparatus be sent only to qualified bidders -W	756

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
301673	5-1	To H S S cutt	May 7th is satisfactory for date of test-W
303174	4-30	Phila	Fwds copy of instruction book covering arc transmitters prepared by Federal Telegraph Co for SAN DIEGO installation. W
303226	5-2	S&A	Fwds list of radio equipment concerns now on files and requests revision of. W TO S&A--General list not desired--5-7
302116	5-2 To Nav Comms 5/2 R B 5/9. W S F Seadman 5;23	To Dir Nav Comm/	Fwds time spark signals from Carnavon for info and comment--W See Card 181 To S J Steadman-5-3
303611	5-2 New York NY 7;31		Recommends orders stock of spare parts for telefunken sets for Brest station. W To--- Concurs in recommendation and lists spare parts to be kept in stock 5-9 Naval Communication 8;2
303883		See Card 185	

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
300451	4-22	Amer R & R Corpn	States F.M. Sammir has severed connections with the firm, and Charles W. Leber is in charge of their New York office. W
298981	4-23	To G E Co	Att. Mr Edwards- Furnish Marconi Co three recorders similiar to last one supplied Navy Radio at Belmar- W
299881	4-23	To Poller-Smith Co	Fwds additional vandyke negatives for use weekly produstion reports- W To Dubilier Condenser Co Ditto-4-23 To Electrose Mfg Co Ditto--4-23 Electrose Mfg Co. W To Electrose Mfg Co- 4-29
299880	--	--	Electrose Manuf Co. 4-30
300949	4-23	GE CO	Fwds copy of minutes of meeting of wireless committee April 15th - asks probable requirements. W GE Co - Ask estimate of number of 2 KW sets will purchase. W 4-30
291400	4-24	See Card 169 To U.S.S. CONNER- Auxilliary radio room installation-Fwds type plan covering installation-Comment on 5-11 To Yards- Destroyers- Means for charging storage batteries for 1/4 KW emergency trasmitter-5-14 SEE CARD 180	Resumé of points covered in installation of Radio app W To Inspr Camden - ditto W 4-24 To Inspr Bathe - ditto W 4-24 To Inspr FR - ditto W 4-24 To Inspcr Seattle-Destroyer GWIN # 71-installation of radio apparatus on-4-26 To NN SHIP--Destroyers 119-124, 181-205-installation radio appar. on-4-26
298784	4-24	To Weston Elecl Inst Co	Reqts complete list of bulletins describing instruments 4-24 Weston Co-Request model numbers of instruments not in bulletins. W 4-25

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N.S.E. Form 134.

APPRATUS

Number.	Date.	From or To—	Subject.	
299087	4-24	To Cdt Bost	Reqts advisability of using eighteen 9/16" threads to inch instead of 20	24
Boston. W	5/4	Marconi Co 5-17	To N.Y. Reqts reasons for using special thread 4-2	
	To F Lowenstein - 5-8		To F Lowenstien-No change ay present-4-27	
	To Bost— 5-8 Boston 5;14		Lowenstein Co - Request authorization to furnish 5/8 - 18 thread bolts on 5 KW gap units. W 5-3	
N.Y. fwds corrected drawing quench cap unit. 5;16 W				
300230	4-24	To Monitor Controller Co	Fwds specifications Re 13A 111D referring to starting equipment with modifications 4-24 W	
			To Cutler Hammer Mfg Co Line switches omitted on hand starters for radio motor generators-mod spec fwded 4-24	
[illegible]	4-24	To N.Y. VOID	Reqts drawings and desirability of supplying all ball bearing machines with puller for removing ball bearings from radio motor generators W	
			To Crocker Wheeler Co - Asks extimate of supplying puller in lots of 200 4-24	
301264	4-22	K&C Co	Request forward copy of schedules covering radio apparatus to NY Office, in addition to Seattle office. W	
S & A Reports inability to give 3 weeks of advance of bids. Special ref. Kilborn & Clarke Co. W 5;14			To K & C Co- Cant comply with rqst—4-29	
			K&C Co - Request all schedules and blue prints be mailed to Seattle office. W 5/4	
			TO S&A— K & C rqst radio apparatus schedules sent to Seattle office-5-10	
298781	4-24	To Bost & Yards	Radio Telegraph- Cancellation of app. of chloride of silver dry cells-W	
			Sixth District fwds requisition with action on various items. 5;20	
			To 6th Dist- receiving supplies for WILLIAMS 6-5	
298796	4-25	To Wash-	Removal from Navy Yard Wash of Radio activities—W	
			To Washn-4/25-RB-5/8.	

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
298053	none	Bureau	Wireless developements - forwards report of meeting held April 8th. W Minutes of meeting of April 15th. (No source or date)
298087	4-17	F. Lowenstein	Reports special thread sizes, etc., called on various government drawings tend to delay production - calls attention to, and requests instructions. W To NY— In re auth above-5-7 To Marconi-In re drawings not being changed-5-7 New York fwds vandykes, 5-7 To F Lowenstein-Auth to mfcr as letter Boston - Fwds prints of antennae 5-7 switch. W 5-24 To NY- Rqst 5 additional copies (vandyke) latest drawing RY32 F 139——5-27
28774	4/16	NY	Reports that one of the two KW radio sets Manuf by the American R B Corp successfully passed acceptance test - W 629
299145	4-17	Phila	Forwards miscellaneous radio drawings. W
298170	4/16	To Phila	Reqt for Vandykes of latest alteration of drawings listed. W Phila - Fwds vandykes of radio compass drawings. (Cross to 919.) W 4-25
298956	4/17	To NY	Reqt Vandykes of latest revision of insulator. W NY - Insulators - Fwds prints. W (Cross to 911) 5-1
299751	8/21	To Mar.Corps,Phila.	Asks if radio apparatus rec'd. W

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APPARATUS.

Number.	Date.	From or To—	Subject.
299644	4-19	Walker Bros & Haviland To Norf	Reports shipping to Norf radio starter for sultability test. W -Reqts starter be tested and reported on 4-24
299536	4/17	E.J.Simon	Fwds misc radio plan.W
299563	4/19	Cutting & Washington	Gives reasons why radio apparatus ~~ex~~ should not be standardized.W
299613	4/19	Internatl Radio Tele Co	1/2,kw radio set-fwds Va nDykes covering.W
299229	4/20	To Cutting & Washn	Estimated deliveries of 1/2 KW motor boat radio sets on reqn contr 627. Reqt submit infor in connection with. W
287557	SEE CARD	166 Marconi Co. drawings fwd. to International R. T. Co. 5;15 To Wireless S. Co. Fwds. copy of Manual Instructions. C/17	To Inter'l Radio Tele Co--4/22 Internatl Co-Lists items will supply with 1 kw sets; will not supply relay key and spares. W 4-24 To Marconi Co- In re above--5-7
298783	4/22	To Weston Elec Inst Co	To Int Radio Tel Co-in re aebove--57 5-7 Books on care and operation of instruments supplied to schools. Reqt copies of. W Weston Co-Fwds monographs. W 4-24 Weston Elec Instr Co - W 4-27 To Weston Elec InstrumentCo- 5-8
299715	4/18	To C.W.Waller	British Marconi Co after world's rights for transmission apparatus. Bu is interested in rights in China and Far East.

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[OVER.]

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APPARATUS.

Number.	Date.	From or To—	Subject.	
296388	4/10	To S&A	R eqt shipt of induction coil from NY for test. W Shipment order RB 4-19	to Wash
296290	4/10	To S&A	Reqt shipt of radio trans set from NY for test. W To S&A req ship from NY to NY 4-17 Washn be canc 6-14	to
297291	4-10	NY	Type plan of radio equipment on battle-ship flagships - forwards vandyke. W	
296159	4/11	To Dept via Nav Intell	Fwds prints showing radio compasses/ W	
296860	4/11	To Marconi Co	Reqt Vandykes of drawings showing connectors for 5 KW Marconi quenched gap and condenser holder. W To Marconi Co-Acknowledges above-4-25	
297760 Norf. W 5-1	4/5	M IS	1917 radio order Number 4--gives description of reactance coils for ALBATROSS & RAINBOW. To Norf - Fwds M Is let 8379-18 R in connection with design of reactance coil- Drawing RN 25F-130 4-24	
297749	4/13	Director Naval Comm	Fwds Italian articles on radio telegraphy.W To Nav Intell- Fwds 3 Pamphlets for translation--4-30 Fwd. Nav. Intel. 8/28. rec back 9:16	
297501	4/11	Norf	Fwds special report on radio installation W	562-6

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APPARATUS.

Number.	Date.	From or To—	Subject.	
298109	4-15	Sims copy #6569 IL 6520	Wireless installation, type 9 set and type 12 in specifications for standard sound-proof receiving booth - have forwarded prints and specifications. W	
296932	4/13	To S&A	Important radio material not received by Sims. Lists shipt orders, and reqts locate ships. W	
297370	4/13	To S&A	Reqt shipt of radio telephones, etc., from NY to Queenstown, Irlenad. W	
	Sims - Copy 2416 - Radio tel not received, reqst expidite delivery 8;6		To Sims--Gives action taken .4/13	
	To S&A Reqts. to expedite rcd. tels. for foreign service. 8/8		NY - Material not yet received. W 4-25	
NY 10/11	List deliveries made		SIMS: COPY 1453 - Reqst expidite 5 radio tel.W 7:20 To S&A Re shipt. of radio tels. to Sims. 7/23 S&A - 8;6	
297562	4/13	To A. E. Seelig	Acknowledges receipt of tracing of proposed communications in South America. W	
298632	4-12	Naval Academy	Forwards request from Midshipman J.B.Dow, requesting some information relative to radio stations - recommends be given. W	
			To Dir Naval Comm. Desires above info to be given--4-25	
410	4/15	S&A	Recommends that future contracts for radio apparatus, where provision is made for advanced payment, that clause in accompanying memo be followed instead of that used in contract 36141. S&W	629

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APPARATUS.

Number.	Date.	From or To—	Subject.
293851	4/2	To Western Elec Co	Iron core impedance and capacity filter on ignition sets of subchaser to prevent interference.
SEE CARD 177		To Hampton Roads, fwding letter from Western Elect. re eliminating elect. disturbances sets and asking for return of same, 5-15	Reqt details of. W Western Elec Co 5/8 -Fwds blpts with detailed comments re eliminating elecl disturbances on radio teleph sets installed on chasers.
294109	4/2	To NY	Issue of tracing cloth, to Radio Aid Johnston auth, who is at Marconi Co doing experimental work.W
294121	4/2	To S&A	Reqt shipt of apparatus from Wash to Radio Div, Bu.W To Wash, Reqts. that material be placed in stock. 8/23
294364	4/2	To GE Co	Sample laoding coil and quenched gap electrode. Will be tested at Wash. W
294535	4/5	To S&A	Contr numbers desired for 1918 reqns. Lists. W TO S&A-- Gives numbers desired-4-25
295114	4/5	To Inter'l Radio Tele Co	T Bu sanctions Signal Corps with Henderson Engine from Navy contr said engine to be replaced.W
295115	4/5	To Wireless Spec Ap Co	Calls attention to discrepancies which appear in description booklets of Panel Radio Trans. Wireless Specialty Co - 5-1
295166		See CARD 192	

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Number.	Date.	From or To—	Subject.	
295330	4/4	NY	Miscellaneous radio prints covering radio installation made on subchasers, merchant ships, etc. W	
295870	3-25	GE Company	Wireless developement - report of meeting held to discuss developements, March 25 and April 1st. W	
296198	4-8	Federal Telegraph Co	Forwards correspondence with GE Company, stating ~~xxx~~ cannot better shipment on May 20th of power equipment of 20 kw sets. W	
293648	4-5	To Chatham	Reqts for original installation of shore Station radio apparatus at Naval Air Stations directs have officers inc charge of air stations submit reqns for matirial	918
297073	none	none	Minutes of meeting held March 11th, to discuss wireless developements. W	
295912	4/9	To S&A	Reqt 495A. for Newport. R eqt draw supplies from Bost instead of NY as called for. W	

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APPARATUS.

Number.	Date.	From or To—	Subject.	
294631	4-1	Phila	Cutting & Washington 1/2 kw sets - request descriptive pamphlets. W	
293425	3/30	To S&A	Material purchase by yards on schedules. Rec of award to be made in advance. Instrns in connection with. W	
293563	3/30	To Marconi Co	English specns on fire control set. Ask when model type will be ready for test. W Marconi Co 4-19	
293611	4/1	To Nav Acad	Discovery of improvements for present radio equipment. Reqt report from Lt. Birk. W To Navgn—Reqt Lt. Birk be ordered to submit report. 4/1	
294928	3-28	Phila	Request two copies of radio telegraph bulletins be furnished supply Department. W To—Fwds. 4/12 Phila - 7;25 To—— Asks source of inquiries re type #s. 7/31 Phila- 8;30	
To Phila. States that add. sheets for type # bulletin. 9/5				
295165	4-2	NY	Forwards radio drawings covering report of test on Sperry short wave transmitter, on the USS ARKANSAS. W	

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APPARATUS.

Number.	Date.	From or To—	Subject.
295166	4-2 4-4	NY S&A	Reports receipt of radio apparatus from abroad, for test - request instructions.W To Sims-Rqst duplicate shipment British apparatus for test--5-10 Reports of apparatus will be shipped by next mail 7-2
295204	4/3	Cutting & Washington	Sims - Fwds additional radio apparatus. W 7:11 Takes exception to statement that their 5 ampere set does not do as well as 5 ampere sets of other types.W
294172	4/4	To Weston Elec Inst Co	Reqt descriptive matter on small DC ammeter, supplied to E. J. Simon for use on airplane receiver. W Weston Co-States output is entirely absorbed for Liberty motors.W 4-6 Weston Co-Gives dimensions and fwds prints.W 4-17 To--Reqt dimensional blueprint 4/13 To Weston Elec Co-Rqst drawing that was not enclosed--~~4-30~~- 4-29 Weston Elec Instr Co - Fwds blue prints of instruments. W
294521	4/4	To Bost	1/4 KW Emergency trans sets, reqn 1362. Wireless Spec Ap Co. Instrns re shipt of. W To NY-- Ditto for DESTROYERS. 4/4 To Phila 4/5 Supply Officer, Phila-Reqt info re order of shipments.W 4-22 To Phila-Destroyers LITTLE) and FAIRFAX ~~and radio compasses for 4-30~~ To Bost-In re emergency transmitting sets--4-4
294540	4/5	To Yards Fleets	Description booklet of 2 KW type transmitter. Fwds.W
293845	4/2	To S&A	Reqt shipt of batteries for audion from Wash to Dr. Goldsmith, College of NY. W Shipt order of 4/24-R B 5/9
293850	4/2	To Atl Flt T	Directs hold tests to determine maximum length of antenna that can be used without pushing fundamental above 126. W Atl Flt - 4/3 W

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APPARATUS.

Number.	Date.	From or To—	Subject.
293611	3-28	Exp Sta	Forwards copy of letter from Lieut. J.W.Birk reporting on discovery of improvements for present radio equipments - request opportunity to demonstrate. W
293359	3/27	NY	Adjustment of circuits on 20 kw arcs-fwds report on experiments with.W
293723	3/29	Observatory	Reqt radio apparatus for use of naval ~~xxxx~~ observatory Eclipse party.W To S&A—Reqt shipt of apparatus from Wash to Observatory.4/6
291400 To Wash—Fwds plan of auxiliary radio room.4/4 See Card 174 292054	3/27	To Yards Sims—	Destroyers. Standard radio installations and plans. Fwds plans with detailed comments on. W Washn-reqt type plans.3/30 Chasm - 4-3 Atl Flt-3/29-copy of comment rel to changes Standard plans radio apparatus.3/29
292053	3/26	To Inter'l Radio Tele Co	Fwds copies of nameplates attached to radio compass houses. Directs chnge name plates on.W Internat'l Radio Tel Co-Reqt vandykes.W 3-28 To—4/2
292451	3/26	To Marconi Co	Reqt Vandyke negative of specns containing instrns for operating motor boat radio set. W
292967	3/28	To 3rd Dist T	Reqt auth Marconi Co transmit on antenna Aldene, N.J. starting March 29th. W

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APPARATUS.

Number.	Date.	From or To—	Subject.
293995	3-30	NY	Recommends Bureau authorize expenditure of $50 per set for any alterations or repairs, in connection with test of East Coast radio order #5. W To--Auth. 4/4
293052	3/27	Federal Telegraph Co	Fwds proposed agreement between Federal Co and the Marconi Co providing for transfer to Marconi Co of all Fderal Stations with exception of factory sites-will devote entire attention ~~in~~ and proceeds of sale to manufacture of apparatus.W To--Detailed comments on. Disappvs form of agreement. 4/1
		Federal Telegraph Co - states price has been changed to $1,600,000 - agrees to accept liberty bonds at par in payment 4/6 Federal Co 4/6 4/5 Cmdr C G Seat-fwds resume of questn of Marconi Co of Navy Dept purchasg Fed Teleg Office properties and patent rights-4/8	Capt Todd-rel to Marconi Co purchasg rights of 6/6
294088	3/29	Chasn	Reports receipt of 4 1/2-kw Sims radio transmitting sets.3/26.W
292648			Cutter Elec Co-Reports on delivery of circuit breakers to the Wireless Spec Co.W 4-1 To Cutter E&M Co--Directs expedite circuit breakers for Wireless Spec Ap Co.3/30
292945	3/30	To Firms E.J.Simon-submits comments.4/3 Wireless Specialty Co - Submits quotations. W 5-1	Reqt comments on method of compiling radio drawings which will meet fully needs of contractors. W Internat'l Rad Tel Co-Suggestions for working drawings.W 4-1 ~~To S&A~~ Liberty Elec Co-Gives suggested proceedure. W 4-3 F. Lowenstein - Recs Bureau supply drawings of radio apparatus.W 4-3 K&C Co 4-5

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APPARATUS.

Number.	Date.	From or To—	Subject.
289639	3/18	To F. Lowenstein	Fwds drawings for use in manuf of five 5 KW spark transmitters. W
290467	3/16	N London Exp Sta	Reqt be furnished with semi monthly radio report. W
5 290986	3-19	Wister & Stetson Co To P H Stetson, re apparatus, and thanking for courtesy, 5-15	Has wireless outfit ready to present to Navy. W To--Acknowledges. 3/26 To NY--Directs inspect apparatus. 3/27 Wister & Stetson - W 3-28 Fwd Supt 3rd Dist--4/4 RB 5-2
290694	3/20	To S&A	Reqt shipt of audion bulbs from Wash to City College. W City College, NY-Apparatus received. 8;30
290700	3/20	To Marconi Co	Directs expedite completion of detail drawings for panel transmitters. W
291271	3/20	F Lowenstein	5 kw inductive coupler-no holes provided for type number name plates. W To--Comments on. 4/1
258218		CARD 145 Marconi Co--4/15 Marconi Co-Crocker Wheeler Co will advise date of delivery of motor generators. W 4-23 To Marconi Co-Gives info as rqsted 4-30 Marconi Co reqts type number of name plate for motor generators be furnished Crocker Wheeler Co. W 5;21 Marconi Co 8/16 - see card 196	Marconi Co-Gives outlines of orders of sets. W 3-19 Marconi Co-Sends data. W 3-21 To Marconi Co--Gives action. 3/25 Marconi Co 4-5 To Marconi Co--Directs expedite completion of sets. 4/8 To Marconi Co--Ask expected delivery dates. 4/16 To Marconi. Reqtd. that del. of set be expedited. 8/8/13 Crocker Wheeler Co - 8;30

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APPARATUS.

Number.	Date.	From or To—	Subject.
291642	3-21	NY	Recommends modifications to specifications RE 13 A 111 D. W To—Appvs rec.3/29 To NY—Radio tel. Rotary spark plug-Not to incorporate change in contracts-4-23
292159	3/20	2nd dis 1-2-6	Asks what yard will furnish spare parts for radio apparatus for vessels taken over by the Government and sub chasers.W Fwd Newport—3/27 RB 4-6 Fwd 2nd Dist—4/9
292302	3/19 3/22	M.R.Oden 5th nav dis	Steamship VENTURIA radio set from-asks disposition.W Fwd Dist Com Supt Norf—3/26
292538	3-19	Puget Sound	Request miscellaneous radio drawings. W
289761	3/23	To S&A	Reqt shipt of radio apparatus from Wash to Marine Corps, Phila. W Fwd Wash—3/23 Marine Corps 8;24 To S&A—Reqt for amendment of shipt reqt.3/30 Washington 5/9.
291698	3/23	To H.B.Sherman Mfg. Co	All lug terminals for radio apparatus are furnished by contrs. Lists contrs. W H.B.Sherman Mfg Co-submits printed matter of their line of fittings.3/25
290668	5-23	see card 163	

APPARATUS. 1918

Number.	Date.	From or To—	Subject.
288044	3/12	To Wash 918	Auth Yard to furnish hubs for De Forest radio sets now in stock, and equipped with fans being manufd by E.J.Simon. W
288056			Washn Yard-4/1 To Gen Radio Co--Submits report from Wash on wave meters. 4/10
288371	3/12	To Atl Flt	Comment on standard radio installations on battleships and battle cruisers. L ists information desired. W Atl Flt 3-25 European Forces - Submits req. and comments on standard radio installation on destroyer, etc.
288729	3-12	K&C Co T	Request guarantee that they will receive future orders - will proceed with manufacture of one hundred 1 and 2 kw sets in advance of orders, if given this assurance.W To--(T)Cannot promise to purchase sets.3/14
288958	3-5	Marconi Co, per S.J.Steadman	States that the Federal Telegraph Company is under obligations to furnish the Marconi Company with any imporvements made on the Polsen arc - objects to Class A - asks for improvements and quotes agreements. W
288771	3/11	Wireless Spec App Co	Emergency transmitters-fwds prints.W
288628	3/13	To New Lond	Booklet describing plans for co-ordination of work at navy yards. Fwds. W
289261	See	Card 188	

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APPARATUS.

Number.	Date.	From or To—	Subject.
266235		CARD 152.	Boston - Shipment made Feb 18th. W 3-11 To NY--3/20 NY - bill of lading was accomplished by NY Yd 2/21 - W To Bost--(T)Reqt bill lading routes.3/26 To NY--3/30
231579	SEE CARD 138		To S&A--Reqt shipt of apparatus from NY Wash Phila to New Haven Station. 3/14 -- Received back 5;13 To NY--Relreplacing Western Elec set with standard quenched gap set.3/14 Shipment order RB-4/8 To NY. Asks if radio apparatus rec'd. 8/1 Third Dist - 8;2 W To S&A Reqts. to loacet shipt. 8/9 Rec back 8;16 To 3rd. Dist. Author. alterations. 8/10
288991	3/14	To Atl Flt Div 9 T	Reqt fwd drawings specns samples British type apparatus foundry necessary install ships of Force. W
Sims - T - 6315-6283 Submits report on British Radio apparatus installed on our battleships. W 4-11. To Sims--(T)Reqt type 9 auxiliary set be shipt to Wash.4/13 To Wash-Fwds invoice. 5;3 RB 5;12			Sims-copy-addtl info reqd.3/27 To Sims--(T)Reqt specns and samples British radio apparatus.4/1
288995	3/14	To Wash	Development of 2 acceptor rejector units. Directs undertake. W
289272	3/13	Copely Mfg Co	States Sets furnished various radio contractors-states still lack spare parts from Crocker Wheeler Co and gives types of machines for various contractors.W
289713	3/13	Wireless Spec Co	1/4 kw emergency sets-fwds misc prints.W
289846	3/14	Wireless Spec Co	1/4 kw emergency sets-fwds prints.W

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APPARATUS.

Number.	Date.	From or To—	Subject.
287636	3/7	Wireless Spec Co	Fwds prints showing detailed developments of certain parts.W
287702	3-5 3-9	War Department Department	Forwards copy of telegram from K-C Co. stating factory will be closed down within a week unless additional ~~ord~~ work is received. W To Dept--3/11
262930	SEE CARD 150		To Copely Mfg Co--No objection to working on development of short range static trans.3/7
285784	3/8	To Dept	Equipment of all United States vessels with emergency radio set with range of at least 50 miles. Comments re advisability of. W
286177	3/8	To Wash	Test and inspection report of five Federal 20 KW transmitters on contr 15. Fwds inspection reports. W
287667	3/8	M Is copy	Request authority to proceed with mfgr of certain radio apparatus for naval engines. To--(T)Appvs.3/15
287868	3/9	Supt Pac Coast Supt T	Federal Telegraph Co recommends that contract be placed on cost plus fixed profit basis and gives reasons.W To M.Is.--(T)Cannot change contr 35282 without contractors consent.3/12

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APPARATUS.

Number.	Date.	From or To—	Subject.	
287981	3-8	Wireless Specialty Co	Two hundred emergency sets - forwards prints showing developements. W	
288007	3-2 3-9	L. A. Quindley Department	Asks if he has right to sell apparatus from the S.S. VITURA. W Fwd Dept--3/12	
287529	3/9	To Wash	Reqt for vandykes of radio stock material list.W Wash Yard--fwds Vandykes.3/14	
286702	3/11 Phila 5/3 fwds vandykes of radio switchbd nameplate.W	To Phila	Reqt Vandykes of certain drawings. W Phila-fwds drawings of radio switchboard name-plates.4/9 (Cross to 900) To - receives vandykes and reqts 10 additional 4-24	
288057	3/11 To Liberty Elec Corp--3/23 To Inter'l Radio Tele Co--Fwds Vandyke instrns.3/25 To F. Lowenstein--4/2 Wireless Imp Co-reqt addtl prints.3/19 To Liberty Elec Corp--3/22	To O.B.Wiren	Returns sketches and specns of apparatus recently left at By. W	
287557	3/12 To Inter'l Radio Tele Co--Fwds Vandykes.3/15 To Firms--Fwds Vandykes.3/15 To F. Lowenstein--3/16 Internatl Rad Co-Reqt addl prints.W 4-2	To Liberty Elec Corp To Firms	Fwds drawings to be used in construction of radio sets on reqn 1359, and other reqns numbers. W To Wireless Improve Co--Fwds blueprint instrns for manuf of transmitters.3/15 To Wireless Spec Ap Co--3/15 To Wireless Improve Co--3/23 (2)	CARD 173
288037	3/12	To Bu Standards	Test of magneto destroying device. Instrns re test. W Dept-Commerce or Bu Standards - Will consider matter closed.W 3-26	
288043	3/12	To Wash	Auth assembly of magnet to be completed as soon as possible, and conforming to characteristics listed. W	

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APPARATUS.

Number.	Date.	From or To—	Subject.
285904	3-1	NY	Fwds booklet of instruction on 2 and 10 kw radio sets. W
285998	2-25	Boston Yard	Geared dry motorboat power units supplied by the Copely Mfg Co - forwards report of test. W
286260	3/2	L.C.Clark	Reports dissolving connection with K&C Co.
286224	3/1	NY	Request instrns rel to filling M Is reqn for various radio prints.W To M.Is.--Fwds prints.3/13
284708	3/2 To John Firth- Fwds copy test on buzzer sounder-5-27	To Sims	Buzzer sounder to be obtained from Indo-European Tele Co and fwded to Bu. Instrns. W European Force-buzzer sounder purchased from the IndoEuropean Co-~~fwdx~~ 4/4 Fwd Wasg--4-30 Received back 5;21
286424 To--Auth purchase of 25 detectors. 4/19	3/2	To Wash .	Faults in detectors used on subchasers. Jar out due to excessive vibration. Directs develop satis form. W Washn Yard--submits report on faults in detectors used on subchasers.W
285600	3/2	To K&C Co T	Cannot award contrs for sets merely to keep factory busy. Las bids so high Govt thought did not want add'l work. W Kilbourne & Clark - (T) Lists prices subkitted - were computed on a basis of cost of sets now in factory. 3/2

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Number.	Date.	From or To—	Subject.	
284214	2-1	European Force.	Radio apparatus; control of; master of emergency vessels submits recommendation.	771.
284301	3/4	To M.Is	Lists drawings which are endeavoring to ship at once. W	
To Ports--4/20				
286840	3-4	Ports	Request radio vandykes. W	
To--Fwds drawing showing type plan of antenna. 3/29			To--Fwds. 3/13	
Ports 4-11			Ports-ASK if other plans available for antennae of larger vessels equipped with 2 kw radio sets.W 3-26	
286561	3/2	NY	Fwds report of material purchased under naval emergency fund.W	
287063	3/6	K&C Co	C.B.Cooper has been appointed NY Mgr.W	
285766	3/5	To Phila	Information relative to coils for ascertaining direction of incoming radio signals. Reqt data in connection with. W Phila - List of drawings on which data requested has already been furnished.W 3-13	
286186	3/5	To Foote Pierson & Co	Reqt shipt to Bu Standards one 8" induction coil which has been designed for exray apparatus. W Foote Pierson & Co - W. 3-6	
287251	3-6	Wireless Spec App Co	200 emergency sets - fwds prints giving detailed developement of certain parts completed. W	

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APPARATUS.

Number.	Date.	From or To—	Subject.
284573.	2/21	Wireless Specialty Co	Relative to development of 1/4 KW emergency sets - W
285302	2-27	Boston	Forwards photographs of antenna switches and flame-proof hand key for submarine sets. W
284983	2/2	Cutting & Washington	Fwds VanDykes of 2 kw sets.
285166	2-26	Boston	Radio apparatus-fwds drawings. W
284508	2/28	To Yards Fleets	Description booklet of Navy Crystal detector. Fwds. W
284703	2/28	To S&A	Reqt shipt of trans sets on contr 1335 with Marconi Co be expedited to ships listed. W
284724	2/28	To S&A	Reqt shipt of radio compasses, etc., from Wash to City College. W
		To S&A--Reqt shipt of radio head telephones from Wash to City College of NY.4/9	To International Sig Co--Directs deliver first three coils to City College.2/28
		Shipment order dated 3-23 RB 4-13	To S&A--Reqt shipt order of 2/28 be amended.3/4
		To Rad.School/NY. Asks if radio apparatus rec'd. 8/23	To S&A--Reqt shipt of compasses from Wash to Phila.3/23
		To Rad.school,NY. Asks if rad.apparatus rec'd. 8/27	

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
285124	2/28	To NY	Reqting that P.R.F ortin, of GE C o be allowed to visit station. W
285524	2-25	Roller Smith Co	Requests missing sheets and specifications. W
285641	2/28	Washn	Defective workmanship on DeForest apparatus.W To De Forest Co--Y ard has auth to reject any apparatus not satis.3/6
285784	3-1	Sims T	4566 - Recommends that auxiliary storage batteries sets for emergency use have at least 50 miles range - can be located - last chance of placing out of commission. W To Dept - 3-8 - RB- 3-13 Fwd Dept--3/14 RB 3-20
285072	3/1	To Pug Sd	Reqt Fwds Vandykes of RS 66AA 158. W Pug Sd-Fwds plans. W 3-11
285855	3-2	Jones & Motrola T VOID VOID	Messenger will leave 8:00 A.M. Sunday - arrives in Washington 2:00 P.M. DA
285854	3-1	Mayhew Co	States have 15 kw set that meets specifications - glad to have test made at their shop. W

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1918

APPARATUS.

Number.	Date.	From or To—	Subject.
282085	2/19	To NY	Reqt for descriptive booklet 11RY 43A 139. W NY--fwds booklet of instrns.3/4
282531	2/19	To Goodrich C o T	Reqn number for 17 radio sets 570. Contr and priority not yet assigned. W
282531	2/18	B. F. Stauffer T	17 radio sets - request contract number covering - W
282998	2/20	To Bost	Reqt for Vandykes of drawing showing latest revision of RB 23F 107. W Boston-fwds plans requested. W 2-26
282999	2/21	To Copely Mfg. Co	Lists parts and reqts quotations on. W Copely Mfg Co--will give data Feb.25.2/23 Copely Co-Submits quotations.W 2-26 To--Ask types and makes of plugs will furnish.3/1
283001	2/21	To GE Co	Fwds blueprints of drawing showing details of 5 KW loading coil and variometer type. W
283002	2/21	To GE Co	Fwds blueprints of drawings as listed, W
283291	2/21	To GE Co	Minutes of weekly meeting of Engineers engaged in radio development work. Detailed comments on.2/21 GE Co-gives data.2/26.W To--Detailed comments on.3/12 To--3/12 GE Co-quotes prices on amplifiers for radio compasses. W (Cross to 919) 3-28

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N.S.E. Form 134.

APPARATUS.

Number.	Date.	From or To—	Subject.
283870	2-21	Marconi Company	Forwards report on status of government contracts. W
283869	2-21	Marconi Company	Forwards schedules of apparatus on 5 and 10 KW sets which Marconi Company of Canada have in stock. W To--2/26
283762	2/19	Marconi Co To--Fwds drawing with comment.3/6 Marconi Co-fwds VanDykes of lightning switch.3/12 To--Gives action.4/9	Request Vandykes of prints listed.W To--2/28 To--Fwds Vandykes.2/28 To--Fwds.2/28
283715	2/25	To NY	Reqt fwd vandyke showing antenna guard. W
284359	2/26	To Wash	Reqt for radio drawings. W Boston Yd-will fwds prints by Apr 15th. 3-22
284862	2/26	E.J.Simon	Request certain plans.W To--Fwds.2/28
284865	2-25	Marconi Co	Gives number of shares held in England, in the Marconi Company. W
285116	2-26	Marconi Co	Fwds prints of 2 kw terminal wiring diagrams and 5 kw operating and adjustment. W

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APPARATUS

Number.	Date.	From or To—	Subject.
232688	OVER	SEE CARD 162 - A	To Pearl Harbor - Via Commandant - Issue type numbers bulletin RE 15A 105A-W
		To Wireless T.Co. Advisable to leave type # SE 965 as suggested. 7/9	To Sims-6-3
			To Cavita -6-3
		Wireless Improvement 7;10	Cutter E & M Co - fwds drawings - W
		Dubilier Condenser Co. 7;10	Federal Telegraph Co - 6/5
		Radio work - 7;9	Wireless Specialty Co - 6/5
		Phiila - 7;16	To Firms- Encloses a sample form which should be followed in applying type numbers- Instructions in re to- 6-3
		Roller Smith Co-2 (3 letters) fwds vandykes. 7/19	To Lowenstein. In reply to let. of 5/28 gives assignment of type numbers for 2 KW Quenched Gap Transmitter. W 6/12
		To Century TCCo. Assignt.type#s 7/30	To Marconi. Gives assignment of type #s for 2 KW Transmitter. W 6/17
		To Weston ElCo. Assignt.type#s 7/30	To Mare Is. Fwds. pages 242-273 of Type # Bulletin. W 6/12
		To Wash. Assignt.type #s 7/30	Weston Elecl Inst Co 6/10
		To Signal Corps. Encl. set of pages of type # Bulletin. 8/1	Dubilier Condenser Co 6/10
		To Sims. Encl. set of pages of type # Bulletin. 8/1	Mare Island 6/5
		To Wash. Fwds. 4 sets of pages of type # Bulletin. 8/1	To Wireless S.A.Co. Lists complete assignments of type #s made to 5-K.W.radio sets W 6/14
		Inspr N Y S 8;2	To Dubilier Condenser Co. Lists type #s their let. of 6/10. W 6/14
		H C Co - TEL Reqst assign number to motor generator. W 8;9	To Simon. Gives type # confirming verbal assignt. W 6/17
		To Weston Elec.I.CO. Assigns type # to rad. frequency am.range 0-4 amperes 8/8	Manhattan Electrical Supply Co 6;20
		To Wireless T.Co. Assigns type #s.8/10	Centwny Construction Company 6;18
		To Holtzer-Cabot Elec.Co. Gives type # for generators 8/10	Philadelphia - 6;20
		To Wash. Assignt. of type #s. 8/12	F Lowenstein - 6;21 W
		To Wireless S.A.Co. Assignt. of type #s 8/12	To Holtzer-Cabot Elec.Co. Assigns type #s. 6/25
		H C Company 8;9	To Phila. Assignment of type #s to radio switchboards. 6/27
		To Insp. Camden. Fwds. 1 copy of type # book. 8/14	To Lowenstein. Ack. rect. of let. of 6/21.W6/27
		West Elec Instr Co 8;14	G. E. Company 6;25
		H C Co 8;14	To Wireless Spec.Ap.Co. Assignt. of type #s 7/2
		Wireless Improvement Co 8;19	Phila. - Fwds prints. 6;29
		To Inter.Rad.T.Co. Approves. 8/22	To J Simmons Co- 7-3-
		To Holtzer Cabot Elec.Co. Assignt. in let. of 8/14 correct. 8/22	Wireless Improvement Co 7;5
		To Liberty E.Co. Assigns type #. 8/29	To Wash. Reqts. comment on modificat. reqtd by Century Tel.Co. 7/5
			To Amer. E.D.C.Co. Assigns type #. 7/5
			To Simon. Assigns type #s for panel set.7/8
			To GE Co. Assigns type #s for motor generator .7/8
			To Simon. Assigns type #s for quenched gap holder 7/8

N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
232688	8;28	J Simmons Co. OVER	TEL: Req special shipping instruc. W
		Fed Tel Co-Fwds application for type number. W 18;3	New Orleans 8;23
		To Federal Tel.Co. Assigns type #s.(2 letters) 12/7	Wireless Speciality Co - 8;28
		To Kilb.& Clark (2 letters) assigns type #s. 12/7	Washington Yrds - Fwds list of of type number assigned to yrd. W 8;17
		K & C. Co. 12/11	To Wireless I. Co. Design of name plate as submitted is approved. 8/30
		Fed Tel Co-	To Wash. Encl. type # assignts. to Wash. to-date. 9/4
		To Chasn- Fwdg 1 copy of Type Number Bulletin RE 15A 105A -2/25	West Elec Co - 9;5
			To Holtzer Cabot Elec.Co. Assigns type#.9/9
			To Wireless S.A.Co. Reqts. compl. list of comp. parts that go to make up set. 9/10
			West Elec Co- Req type number W 9/12
			Sims- 6426 -Req 10 additional radio type number bulletins be fwd. L
			To West. Elec. Co. Assigns type #s. 9/14
			To Wash. Correction of assignment of type #s.9/20
			To Lowenstein. Assigns type #. 9/25
			Weston Elec Instr Co- Fwds vandykes. 9;27
			Centruy Tel Construction Co - 926
			To NY. Assigns type #s. 10/4.
			To Century T.C.Co. Assigns type #s. 10/4
			To Sims. Fwds. 10/ copies of type # Bulletin 10/7
			New York Oct. 9
			To NY. Makes type # assignt. 10/10
			To New London Sub School Oct. 15
			Phila-Req assignment of type number. 11;4
			Washington-Dubilier Co req type number. 11;5
			To Dubilier C.Co. Reqt. that all correspond. re type #s. be ref. to SE. 11/12
			To Phila. Re assignt. of type #s. to s.gaps. 11/12
			To DublierCondenser Co, comments 11-19
			Dublier Cond Co-Fwds prints. 11;20

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APPARATUS.

1918

Number.	Date.	From or To—	Subject.
232688	3/5	To Phila	Type number bulletin. W
		To E. J. Simon--3/21	To Weston Elec Inst Co--3/6
		To Sperry Co--3/21	To Foreign stations, Sims Yards--3/7
		To Splitdorf Elec Co--3/21	To A mer T&T Co--3/8
		Cutting and Washington-replies to letter of Feb.2nd relative to parts requiring type number.3/20	To Phila--3/8
		Western Elec Co-L. 3-21	Crocker Wheeler Co - Further data. W 3-5
		To Ward Leonard Co--3/22	F Lowenstein/3/7
		To GE Co--3/22	Phila - Relative to assignment of Type #30 radio compass coil. (Cross to 898)
		To Crocker Wheeler Co--3/22	To Western Elec Co--3/9
		Crocker Wheeler Co-3/23	To Firms--Fwds instrns. 3/9
		Triumph Elec Co--3/23	To Marconi Co--3/13
		Boston-fwds prints.3/22	Roller Smith Co - Replies to letter of January 30th. W 3-12
		To Marconi Co--3/23	To Firms--Fwds certain pages from certain bulletins.3/14
		To Cutter E&M Co--3/23	To Domestic Eng Co.3/14
		Phila - W. 3-26	Phila--3/12-numbers for 20 inch radio compass.W-3/12
		To Weston Elec Inst Co--3/27	Cutter Elec C o--3/14
		To Crocker Wheeler Co--3/27	Chloride of Silver Co--3/14
		Marconi Co-3/27	~~Perkins~~ Triumph Elec Co-3/13
		Sims-T-states type number bulletins not received.3/28	To Wash--3/16
		To NY--3/29	To Crocker Wheeler Co. 3/16
		To Wireless Improve Co--3/29	Amer Transformer Co-Replies to letter of March 14th - states certain transformers shipped before type numbers assigned.W 3-15
		To Wash--3/29	Robbins and Meyers-3/15.
		To Cutting & Washington. 3/28	To Chloride of Silver Dry Cell Bat C o--3/18 (2)
		Crocker Wheeler Co-3/29	To Phila--3/18
		Splitdorf Elec Co-T-states their representative Mr.Scholl will call on the 28th.3/27	To Cutter E&M Co--3/18 Phila fwds prints 4-12
		M Is-fwds prints.3/20	To Phila--3/18
		To Wireless Spec Ap Co--4/4	Ward Leonard Co-Forwards print and sample showing how type numbers are put on apparatus. W 3-16
		To E. J. Simon--4/4	Splitdorf Elec Co-Returns prints forwarded March 9th.W 3-18
		To Roller Smith Co --4/4	To Weston Elec Inst Co--3/19
		To Crocker Wheeler Co--4/2	To Robbins & Meyers Co--3/20
		To Phila--4/2	To Amer Transformer Co--3/20
		To Domestic Eng Co--4/5	To Triumph Elec Co--3/20
	4-9	Weston Elec Instr Co-Relative to type numbers for frequency meters.W	To F. Lowenstein--3/20
		Cutting & Washington - 4-5	Cutter Elec Mfg Co--3/19
		NY-fwds prints/4/9	To Electrose Insulator Co--3/21
		M Is-rel type number for coils.4/5	To Weston Elec Inst. Co(T)4/11

SEE CARD 162-A

N. S. E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
280897	3/8	To NY Military Academy	Directs wait until after ware for purchasing Navy type motor generator for high frequenc experiments. W Crocker Wheeler Co- Asks if sat to quote price on 1/4 and 1/2 kw motor generator set to NY Military Academy. 11;18
289761	~~3-12~~ 3-2	Marine Corps, Phila Phila Yd	Reports shortage in shipment of radio instruments - express company unable to locate. W

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APPARATUS

Number.	Date.	From or To—	Subject.
232688	4/12	To M.Is	~~Western Elec Co - 6/1~~ W
		To NY-Assignment tyoe numbers-5-6	To NY--4/12
		To Wash- 5-4 ~~To Wireless Spec.~~	To Cutting & Washn--4/12
		To Wireless Spec. Apparatus Co-5-4	To Hartman Elec Mfg. Co--4/12
		To Westinghouse Elec Mfg Co-5-8	To Wash--4/13
		To Manhattan Elec Supply Co-5-8	To Weston Elec Inst Co--4/13
		To Cutting and Washington Inc-5-8	Copely Mfg Co-Ask proper type number for
		To Wireless Spec App Co- Bu assigns type nos to parts for emergency transmitters 5-9	generator for field set. W 4-16
		To M Is- Fwds drawings as reqtsd 5-9	European Force-only one set recd-reqt 5 addtl.4/3
		To Western Elec Co-5-10	Weston Elec Instr Co 4-17
		To Int Radio Tel Co-5-10	Hartmann Elec Co 4-17
		To Intt Radio Tel Co-5-11	Cutting & Washington 4-16
		To Gen Radio Co-Assigns listed type numbers--5-11	~~To Wireless Spec Ap Co. 4/17~~
		To Sims re type numbers 5-13	Wireless Co 4/17
		To Western Elec Co-5-16	Washn Yard--4/17
		To GE Co-Ask to fwd drawings-5-16	To Marconi Co-- Fwds type numbers assigned
		To Yards-Fleet-Signal Corps- Issue additional sheets for type number bulletin RE 15A 105A- 5-16	75-2 K.W transmitters--4-23
		To Lt Wasche-Ditto--5-16	To International Radio Tel Co Fwds type numbers 4-23
		To Pacific Fleet Radio-Ditto-5-14	To Century Tel. Cons. Co- Fwds type number-4-23
		To Western Elec Co--5-21	To -- No no will be assigned to 2 K.W.reactance
		To G E Co West Lynn-Listed telephonic numbers for meters assigned--5-22	as all 2 KW transformers in future will contain
		To Wirless Specialty Co-5-24	reactance in the case 4-24
		To E J Simon- gives type numbers--5-27	Marconi Co 4-24
		To Copely Mfg Co-5-27	Internatl R T Co 4-26
		To Marconi Co-Assigns CM 2940 to the receiver as finally supplied 5-28	Century Tel Cons Co - W 4-25
		To Phila- Assigns type numbers 5-29	To Wash-4-26
		To E J Simon-No longer thought advisable to assign type number to the complete assembly- nameplate for holder should specify type number fro Navy standardgap unit and gasket-as listed-5-29	To Crocker Wheeler Co- 4-26
		To General Radio Co-specifications for flame proof chamber should read as listed 5-29	To E J Simon- Asks action -4-26
			To Sperry Gyroscope Co-4-26
			Sperry Co--Reqt assignment of type number for short wave transmitter-4/23
			Wireless Spec App Co 4-29
			To J Simmons Co-4-29
			To Copley Mfg Co--4-30
			To Hartman Elec Mfg Co-Fwds bulletin as rqsted-4-30
			To Crocker Wheeler Co-Fwds assigned type numbers 4-30
			To Marconi Co-5-1
			To Int Radio Tel Co-5-1
			Wireless Specialty Co - W 5-1
			To Crocker Wheeler Co-5-1
			To Sims-Issue of type number bulletins-5-2
			To Weston Elec--assigns type number-5-2
			To Wireless Spec Co-5-2
			Weston Elec Instr Co - 5-31. W

162-B

4—3381 Cavite - 5-22 Cutting & Washington - 6/1 ~~Pan--merican~~ TO M. ISL. 5;29

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
1213	4/22	To Indus Mgr N. Y.	Lists Simon Transmitting sets as records show them distribured, leaves none available, for ref. (A) info rquested. W	629
1213	4/27	NY	Reports on assignment of 50 1/2 K W Simon transmitting sets to various sub-chasers and submarines etc. -W	629
306610	5;11	Atl. Battle Ship Forcel	Copy of letter to Force to direct recontinue work on meters short waive stations until further orders. W	
306715	5;14	Inspr F R	TEL. Reqts information latest authorized specification on power radio installation A-a-1 W	
306753	5;14	Dist. Naval Com.	Censor report in letter from Clop Easthom Company to master of S. S. Magdalena at Chile quote on radio apparatus. W	
32760	5/22	NY	Submits assignment of Simon 1-KW radio sets on contract.	629

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APPARATUS.

Number.	Date.	From or To—	Subject.
281702	2/14	To Wireless Spec Ap Co	Fwds prelim issue of manufacturing instrns based on two hundred 1/4 KW emergency type sets. WS
281567	2/13	NY	Marconi 1/2 KW transmitter - reports difficulty experienced with the clip connectors used on the secondary coil and on the inductive coupler. To Marconi Co--Submits above recommendation. 2/19
281264	2/6	GE Co	Relative to shipment of water rheostats - W
281370	2/15	To Yards	Supplying contractors with drawings for radio apparatus. Detailed instrns in connection with. W To Firms--Drawings should be supplied to contrs only by Bu. 2/21
278658		CARD 160	Western Elec Co - Reports on shipment of material. W 2-11 To Wash--2/19
281362	2/16	To Sims	Issue of type number bulletin. Fwds six copies containing type numbers assigned to Navy apparatus. W To Brest--Ditto. 2/16
282039	2/16	To Marconi Co	Reqt Vandyke of sheets listed, included in instruction booklets of 2 KW and 5 KW radio transmitters. W

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APPARATUS:

Number.	Date.	From or To—	Subject.
282798	2-15	Boston.	Miscellaneous radio drawings: fwds. W.
282459	2/18	To GE Co T	Reqt add'l information drawing for Klein Fort Wayne. W
232688	see card 157		
	Wash - 4/29 - W		Norf--2/18.W
	Triumph Electrical Co 5/3		C rocker-Wheeler Co - 2/16 - W
	Mare Island. W 4/27		Phila - Request additional binders and sheet showing type number bulletin. W
	Coblance Manufacturing Co. 5;14		To Norf--2/21
	Wireless Specialty Apparatus CO. fwds prints showing antenae condensers.W. 5;14		To Crocker Wheeler Co--2/21
	Westinghouse E & M Co. 5;14		Crocker Wheeler -- 2/19
	Wash - 5;17		To Century Tele Constr Co--2/23
	G & E Company 5;10		To Phila--2/23
	Cutting & Washington 5;13 W		To Phila--2/23
	Crocker Wheeler Co - Fwds index. 5-27		To Western Elec Co--2/23
	Wireless Specialty Co. 6/6		To Ward Leonard Co--2/23
	To Wireless Co. The orig. assignt. of wavemeters will not be changed. 7/17		To Crocker W heeler Co--2/25
	To Dubilier Condenser Co.Inc. Assignmt of type #s is confirmed. 7/17		To Phila--2/26
	Washington 7;25		To Wash--2/26
	To Amer. T.Co. Re assignt. of type #s. 7/31		Sanitary Company--asks if number assigned is an error.W
	To Comms. Encl. 1 set of pages 242-273 of type # Bulletin. 8/2		Western Elec Co-Replies to letter of 13th.W
	West Elec Co 8;2		To De Forest Co--3/1
	To Wash. Makes assignt. of type #s 9/12		To Century Tele Constr Co--3/1
	To West Elec Instru Co - Frequency ammeters and meters recd at Phila 10-15		To Wash--3/1
	Signal Corps 1;15		To Phila--3/2
			To Yards--Fwds instrns.3/2
			Philadelphia--3/1
			International R T Co. W 4-29
			Weston Elec Instr Co. W 4-26
			Domestic Engineering Co 5/8.
			Weston Elecl Inst Co. 5/8
			Pearl Harbor 4/25

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APPARATUS. -

Number.	Date.	From or To—	Subject.
279807	2/7 2/5	4th Naval Dist Phila Yd	Recommends a small auxiliary set to supply all vessels carrying armed guard and vessels crossing the Atlantic - W
280370	2/5	Marconi Co	Request in future, specifications be sent in duplicate or triplicate - W
279619	2/8	To S&A	Reqt shipt of trans sets from Bost to Ports for stock. W To S&A--Reqt shipt of receivers from Wash to Ports for stock. W2/8
280459	2/8	Kilbourne & Clark	Asks if can give any indication as to future requirements from their factory which will permit them to order material, etc - W
280618	2/9	Federal Telegraph Co	Reports change of address Washington office -W
280707	2/11	P Snd	Suggests Kilbourne & Clark to get additional manufacturing in order to prevent their loss of men - W To--(T)Company has been reqted to bid.2/13
280493	2/7	Marconi Co	1 kw panel set-fwds overall dimensions and plans.W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
279945	2/11	To S&A	Reqt shipt of tone testers from Wash to NY. W	
279946	2/11	To S&A	Reqt shipt of quenched spark gaps from NY to Bost for stock. W	
280565	2/11	To Cutting & Washn	T Unable to arrange appointment of commission. W To--(T) Ditto.2/13	
280869	2-9	Kellog Switch Board & Supply Co.	Fwds booklets covering radio apparatus that they are manufacturing. W. To--C omments on.2/13 To--Fwds blueprints.2/21	
280718	2/13	To GE Co	Directs advise when sample loading coil for Navy 5 KW radio sets is ready for test. W GE--T-states have no time to submit samples.2/15. To--(T)Will test samples.2/16	
280031	2/12	To NY	Reqt for radio motor generator drawing. W NY Yard--fwds prints.2/21	
281819	2/12	Herman Elec Co	Type B automatic cutout-reports shipment to NY for test-request report of.W To--Yard has not submitted report.2/19 Hartman Elec Co - Asks status of automatic cutouts sent NY for test. W 3-6	
280897	11-23	To Crocker-Wheeler Co	No objection to your selling radio motor generator to NY military academy W	
280717	5-31	see card 183		

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APPARATUS.

Number.	Date.	From or To—	Subject.
277649	1/30	To Dr. C.H.Sharp	Comments on available of Elec testing lab for Govt work in connection with War. Radio Division does development work, not testing. W
274&768	1/9	Pudget Sound	K&C Co asks what provisions have been made rel to delivery of radio sets-states do not believe they are expediting production in proportion to their facilities.W
276057	2/4	To Mignon Wireless Corp	Bu will have RW 3 receiver tests at earliest opportunity. W To Wash--Instrns re test.2/4
278658	2/4	To S&A	Reqt shipt of audion control box etc. from Wash to Lake. W To S&A--Reqt shipt of audibility meter from UTAH to Geo A. Campbell at Lake. 2/6
278659	2/4	To S&A	Ditto to Geo A. Campbell at Bridgeport. W
278657	2/4	To NY	Reqt for Vandykes and prints of latest alteration of drawing RY65F 120. W NY--fwds Vandykes.2/18.W
278836	2/2	NY	General arrangement for scouting Station fwds type plans.W
278870	2/2	NY	Type plans radio room-fwds prints. (Cross to Rooms,Radio)

To Western Elec Co--Reqt ship amplifier to Geo A Campbell at Lake.2/7

To S&A--Reqt shipt of inductance coils from Wash to G.A.Campbell.2/8

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N. S. E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
278779	2/5	To GE Co	Acknowledges receipt of simultaneous sending and receiving systems loaned to company. W To Marconi Co--2/5
279069	2/6	To Wireless Improve Co	Directs when representative of any firm having contr with Bu visit Wash to talk about contrs, have man capable of talking about the technical points come. W
279768	2/4	Ports	Radio transmitters and receivers-request copy of latest revision of plans.W To--2/9
279743	2/6	Marconi Co	Fwds copy of circular rel to branch of the K&C Mfg Co, being established,etc.W To--2/9
279742	2/6	Marconi Co	Fwds statement showing status of Government contract.
279538	2/7	To Wash	Photostat of rejector circuit used by English. Fwds for examination. W To--Comments on.2/18 To Wash--Appvs recommendations with comment. 3/27 To Wash--Fwds copy of report.3/27 To Wash. Auth. manf. of 25 add. break keys & 25 re-ac.circuits. 6/5 See CARD 192.
279614	2/7	To Atl Flt	Development of radio set for communication between vessels when in close proximity. Lowenstein apparatus. Ask if wish installed on two ships. W Atl Flt - (R) recommends apparatus be tested on the MINNESOTA AND PENNSYLVANIA - 2/14 - W To--(T)Lowenstein radio set will arrive fleet base Feb 21st.2/15 To F. Lowenstein--Directs install sets on MINN AND PENNA on Thursday. 2/16 Atl Flt--2/15

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APPARATUS.

Number.	Date.	From or To—	Subject.
276368	1-14	M Is Natl	Fwds report of test of 1/3 kw - 500 final motorboat radio sets manufactured by the Elec Sig Co. W
276363	1-19	~~EX~~ K-C Co	Fwds copy of instructions book for one kw commercial radio set. W To—Reqt film negatives etc.2/4 ~~Inspx&Engineering~~: K&C Co-fwds film negatives.2/15
276117	1-22	Norf	Complains of unnecessary work, etc, in accounting by receipt at yard of incomplete radio sets; request that yards be instructed to make no partial shipments unless instructed. W Fwd S&A--1/28 S&A-copy of instrns to Supply Officers directing no partial shipment of radio sets.W
276315	1-22	Hon J I Nolan	To M.Is.--Reqt further report as to whether company can supply apparatus.4/19 Fwds letter from the Haller-Cunningham Elec Co, relative to furnishing wireless apparatus.W To M.Is.--Directs inspect sets and submit report.1/31 See Card 176
		M Is-Reports on facilities of Haller-Cunningham Co.W 3-6 (Recommends company submit set to Mare Island for test)	
276306	1-23	NY	Fwds booklet of instructions covering 20 20 kw sets, Fed Tel Co.W
276152	1/25	To Fed Co	Lists units and reqts ests on cost and time of delivery of. W Fed Tel Co - W - 1-29 Fed Tel Co 2-6
276269	1/26	To Wash	Reqt for Vandykes and prints of drawings as listed. W Wash 2-4

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N.S.E. Form 134.

APPARATUS.

Number.	Date.	From or To—	Subject.
276430	1-23	Cutting & Washington	Fwds list of parts which comprise their C P 104 Navy 1/2 kw radio apparatus. W
262930		CARD 150	Copely Mfg Co - W - 1-25
276809	1-25	NY	Type plan of battle radio room; fwds vandykes. W
277055	1/28	To 3rd Dist Supt T	Reqt Manhattan E.S.Co be auth to supply Amer Gas and Elec Co one rotary gap condensers telegraphi keys, etc. W
277348	1-28	Fed Co	Fwds list of stock spares for Federal arc ship sets, 15, 20 and 30 kw. W
277223	1/30	To De Forest Co	Reqt film negative of all photos be furnished with photostats of prints of low power motor boat set. W
277225	1/30	To Marconi Co	Fwds confidential pamphlet, for what is known as the type 31 radio set. Directs develop set for Atl Flt. British developed it for Grand Fleet. W
	Marconi Co-Fwds bill gov devel. 11:29. To Wsh. Re test of transmitter 12-10 To --- Reqts. ret. of pamphlet re transmitter 12-10 Marconi Co-Fwds conf pamphlet 12;14		Marconi Co - 2/7 - W Marconi Co 6:22 To Marconi. Reqts. radio set be shipped to Wash. 6/25 Wash-Sub rep of test of interfleet tube transm 1;15
277440	1/30	To Bost T	Ask if any 1/2 KW Cutting & Washm radio trans sets remodeled gears been delivered. W Bost - (T) - none delivered - 1/31 - W

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[OVER.]

1918

APPARATUS.

Number.	Date.	From or To—	Subject.
274977	1/22	To Western Elec C o	Have reqted shipt of arc converter to company from W ash. Directs purchase similar material from Fed Co. W
20 KW arc convertor.2/11			To S&A--Reqt shipt of arc converter from Wash to Western Elec Co. 1/22 Co 2-5 To Wash--Reqt fwd Fed Co list of parts for
275279 m	1/22	To L. S. Brach Sup Co	Refers to radio companies who are supplying Bu with radio apparatus, for information re sub-contracts. W
275344	1/22	To NY	Bath Beach· Receiving set field type assigned to. A uth issue of. W NY - W. 2-21
275449	1/22	To 5th Dist	Fwds card forms NSE 269. W
275606	1/22	To Mignon Wireless Corp	Standard receiving apparatus at present time being purchased from companies who have been supplying Bu with apparatus for some time.W Mignom Wire Corpn-2/1
275671	1/22	To Firms	Fwds radio specns.
		Elec Testing Laboratories - willing to test any apparatus submitted - 2/20 - W	To NatIl Elec Sup Co--1/25 To Marconi Co--1/25
		To Firms--Fwds drawings.3/2	To G E Co--Fwds copy of specns for switchboard instruments with detailed comments on. 2/5
		To Crocker Wheeler Co--3/13	To Elec Testing Lab--Fwds copies of specns.2/15
		To GE Co--Reqt action will take. 4/4 GE Co--4/8	To Roller Smith Co--2/18 Roller Smith Co - Certain drawings missing. W 2-28

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
275773	1/23	To Bost	Copy of RB 3A 126A to be fwded to GE Co. Directs fwd. W Boston--2/2
275582	1-21	Fed Tel Co	States 30 kw arc set converters supplied under contract 15 can be used with apparatus being supplied under contract 120.W To Wash--Reqt comfirm feasibility of substitution of arc converter. 1/30 Wash 2-2
275924	1-12	M Is	Fwds booklet giving description and operating instructions for 2 kw sets on ~~original~~ radio order #4.W
275919	1-22	S&A copy VOID	Directs load Gulf Refining Co; cancels assignment to Standard and Tidewater Co·F
275922	1-12	M Is	Complains of excessive cost of repair parts furnished by Fed Tel Co.W To--2/1
275915	1-19	General Radio Co	Small vibratory sets; gives current capacities, wave lengths, etc.W To--Instrns re construction of set.1/31 To Gen Radio Co--3/6 Gen Radio Co-3-22 - Request copy.W To --Reqt further information.3/27
General Radio		Co-gives output.W	
276061	1/24	To NY	Specns for spark transmitters. Directs fwd comments and recommendations re revision of. W

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
232688	SEE CARD 152		
		To GE Co--1/29	To Wireless Improve Co-1/17
		Roller-Smith Co 1-29	To E. J. Simon--1/17
		To E. J. Simon--1/30	To Wash--1/17
		To GE Co--1/30	To Wireless Spec Ap Co--1/17
		To Roller Smith Co--1/30	To Roller Smith Co--1/17
		To Splitdorf Elec Co--1/30	To Wash--1/17
		Roller-Smith Co 1-28	To Western Elec Co--1/18
		To Cincin--1/31--RB--2/4	To GE Co--1/18
		Roller, Smith Co 1-30	National Elec Sup Co 1-16
		To Yards & Firms--2/2	To Domestic Eng Co--1/19
		To Cutting & Washn. 2/2	To Nat'l Elec Sup Co. 1/19
		To Roller Smith Co--2/5	To Amer T&T Co--1/21
		To Western Elec Co--2/5	To Phila--1/21
		To Roller Smith Co. 2/5	To Inter'l Signal Co--1/21
		Splitdorf Elec Co 2-4	To Wash--1/21
		Crocker, Wheeler Co request addition-al copy of type number book 2-5	To De Forest Co--1/23
		To Roller Smith Co--2/6	To Weston Elec Inst Co. 1/23
		To Western Elec Co--2/6	To Splitdorf Elec Co--1/23
		Phila 2-6	To Marconi Co--1/23
		Phila 2-7	To Crocker Wheeler Co--1/23
		Crocker-Wheeler Co 2-8	Splitdorf Co fwds booklet 1-18
		Cutting & Washington 2-7	Marconi Co relative to assigning new type number for remodelled transformer 1-16
		To Lt. Washbne--2/8	To Inter'l Sig Co--1/24
		To Yards & Firms--2/8	To Splitdorf Elec Co--1/24
		Chloride Silver Dry Sell Battery Co. 2-9 changes voltage of sell shown on certain plans. W.	To Firms--1/22
		To Lt. Bastedo--2/9	To De Forest Co--1/25
		To M.Is.--2/11	To Wireless Improve Co--1/25
		To Phila--2/13	To Wash--1/25
		To Western Elec Co--2/13	To Nat'l Elec Sup Co--1/25
		To Crocker Wheeler Co.2/13	To Roller Smith Co--1/25
		To Phila--2/13	Roller, Smith Co 1-23
		Electros Co 2/9	~~To S&A--W--1-5~~
		To Chloride of Silver Co.2/14	E. J. Simon 1-24
		To Weston Elec Inst Co. 2/14	Splitdorf Elec Co 1-24
		To Phila--2/16	Splitdorf Elec Co - W - 1-25
		To Inter'l Sig Co--2/16 To Wash--2/16	GE Co 1-25
			Triumph Elec Co 1-26
			Weston Elec Instr Co 1-26
			Fwd S&A--1/29
			To Western Elec Co--1/29
			To E.J.Simon--1/29

SEE CARD 162

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
274021	1/17	To Marconi Co	Inexpensive form of low power transmitter for use on merchant vessels of smaller size. Detailed comments re making. W Marconi Co--1/30.W
274028	1/17	To S&A	Reqt shipt of trans sets from M.Is. to NY. W To NY States that 5 rad. transmitting sets shipped to NY. 7/25
274731	1/17	NY	Recommends that after test arc converters all water be turned off before shipment-comes up in connection with breaking of one assigned to MAUMEE. To Wash--Directs drain water jackets before shipments. 1/22 To Yards--Ditto. 1/23
274632	1-16	Norf	Standard radio installation, plans for colliers and auxiliaries; fwds prints W Norf--3/22 Norf-Request action.W 4-23
275404	1-18	NEW YORK	1/2 KW Nat'l Elec Signalling Co/ motor-boat sets. Fwds booklet of instructionsW
275395	1-21	C & R	Fuel ships relative to installation of high power radio sets/ W To--Detailed recommendations.1/24
274773	1/19	To Inter'l Elec Sig Co	Fwds Vandykes as listed. W
275219	1-18	NY	Booklet of instructions for Navy 2 kw radio set; fwds·W

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APPARATUS.

Number.	Date.	From or To—	Subject.
272524	1/10	To NY	Tracings for 5 KW Wave changer and loading coil. Bu will make reqts of yards from time to time for tracings to supply manufacturers to expedite manufacture. Lists tracings which are reqted. W
272971	1/11	To Wireless Spec Ap Co	Fwds copy of radio stock material. W
273136	1-9	Cutting &Washington	Gives recommended spare parts for 10 radio sets being manufactured.W
273156	1-7	Marconi Co	Will incorporate change in 1/2 kw panel set, type CN 296B, as suggested by Bu.W To--1/17
273631	1-12 Atl Sub Force - 2/14 - W	Atl Sub Force	Gives list of radio publications requested.W To--1/24 Fwd Navgn--1/24 To--Ask number of reqn.2/11
272817	1/12	To Bost	Standard finishes. Reqt list of be fwded to Bu.W Bost - 1-21 - W To Liberty Elec Corp--Fwds copy of standard finishes.4/18
272973	1/12	To Dist Com Supt Phila	Fwds a supply of form 269. W

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876: APPARATUS.

Number.	Date.	From or To—	Subject.
274175	1/14	Natl Research Council	Submits report on investigation of the Norton process recommends one thousand dollars be alloted for further developments.C
273950	1/16	To Phila	Instrns regarding radio material shipt from Phila. Lists, in order to avoid delay. W
273952	1/16	To Chasn	Semi-monthly radio report for Jan 1st, 1918. Instrns re correcting number of. W
274402	1/16	To Firms Yards	Fwds specns RE 13A 3A.
274172	1/12	N Lond Subm Base	Recommends that semi monthly radio reports be mailed to Force Radio Officer instead of the Base unless separate copy can be mailed to each.W To--1/24
274470	12-26	Federal Co	5 kw ship set; reports onn transmitting range with crystal detector and ultra audion receiver, etc.W
274550	1-16	Fed Tel Co	Reports establishment of office in Wash; request all communications be forwarded in duplicate to this office.W
274615	1/16	Federal Telegraph Co	Certificates covering officers authorized to execute contracts.W

APPARATUS:

Number.	Date.	From or To—	Subject.	
384412	1;9	C B Swartwood	Asks to whom bill should be sent cov pay Wireless apparatus engine from Mignon Wireless Corp now cont by Dr Moore. W To Elmire NY. Rd does not desire to retain receiver. Will ship fwd to Dr Moore immediately. Hope arrangement will be satisfactory.	
384657	1;11	S&A	Fwds correspondence in con with status of American RR Corp. W Fwd S&A, 1-23	
383135 TO CARD 217	1-11 Second Dist-1;15 Atlantic Fleet-1;17 Sixth Dist- 1;15 To-Pacific Fleet-Fwds radio sheets. 1;17 W 8th Dist-Fwds addition sheets of type number book. 1;16 To Sims, fwds sheets 313-370 1/20 To NL. Ditto 1/20 13th Dist - 1;18 Atlantic Cruiser- Acknlgs receipt of sheets of type book. 1;21 - Great Lakes - 1;20 Atl Battle Ship Force- 1;24 Pg Sd- 1;21 Battle Ship Force 2 - 1;26 MI - 1;23 European Force - 1;29 Inspr Breast - 2;11	To Rochefort	Fwds sheets of type No book To Base 23 ditto 1-11 To Cardiff Wales ditto 1-11 To Brest France ditto 1-11 To C-in-C ditto 1-11 To C-in-C Pacific Fleet ditto 1-11 To Yds and Dists- ditto 1-11 To Inspr Brook ditto 1-11 To Ch Signal Officer Army-ditto 1-11 To St. Nazaire ditto 1-11 To Gibralter ditto 1-11 To Bordeaux ditto 1-11 To Lorient ditto 1-11 To CBF 2 Atl Fleet ditto 1-11 To CBF 2 Atl Fleet ditto 1-11 To Cruiser and Transport Force Atl Fleet ditto 1-11 To Queenstown ditto 1-11 5th Dist 1;14 Charleston 1;14 Req copy of cont of radio apparatus be shipped to Second Dist. W To 2nd N aval Dist- asks re matrl on hand re dispostion of 2-6	W
385160	1;11			

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N.S.E. Form 134.

APPARATUS

1919

Number.	Date.	From or To—	Subject.	
384120	1-13	To Pg Sd	Asks that they fwd drawings as listed Pg Sd-Fwds prints listed. 1;22	W
385437	1;13	Inspr Mass	States all contracts placed with Genl Radio Co completed. W	
385229	1-16	To Lowenstein Radio Co	- Assignes type Nos to transmitters on contract 43945 To- confirms phone conversationre assign transmitters bldg conract 43945- 2-6	W
385344	1;17	To Naval Operation via Atl Fleet	Radio stations and com for capital ships, agreement of. Received back 1;27 approved. Fwd. C. in Chief Atlantic Fleet 2/4 To U.S.Fleet 3-18 Returns papers.	W
385870	1;17	To Inst Radio Engrs	Regarding the publication of Mr. Fuller on "Proceedings of the Inst"	

Pub

APPARATUS.

1917

Number.	Date.	From or To—	Subject.
270498	12-29	Communications	British Commander in Charge at Bermuda; quotes report from, altering aerial from T to a converted L type; request instructions relative to repairing; states understands no changes in construction can be made without instructions from the bureau.W (875) To Lt. Craven--1/4
270924	1/4 Operations	To Dept 2-5 787-1	Radio sets for cruisers engaged in convoying transports. Reqt information re install desired.W RB 1-10 Fwd C&R--1/18 R B 1/28 To Dept--Ask what yard sets should be shipt.2/2 Fwd C&R--2/5 - RB - 2-11
271302	1/4	To French Attache, Washn. 652	S ubmits list of sets NY will assemble. Reqt further information re certain items of list requested. W To--1/16 To--Reqt further information re designation of parts.1/17
263668	see card 150 R. C. Richter 1/10 & 2/5 - W		A.H.T.Banzhaf--fwds copies of application for ~~xxxxxxxx~~ patent on rotary spark gap.W To R.C.Richter--Comments on manufacturing model.1/10
271750	12/24	M Is	20 kw arc apparatus--fwds report of test and inspection of-purchased on contract No.15.W
270543	1/5 To NY--Directs assemble and ship material.2/27 NY 5-29 New York-rqst disposition 6/7 To NY - 7-3	To NY SEE CARD 190.	Shipt abroad of parts for 50 1/2 KW sets used on submarine chasers. Directs assemble. W To--Lists add'l equipment for.1/16 NY 1-26. NY - W. 2-20. To NY Reqts. that spare parts be turned over to French. 5/26
271413	1/5	To Sperry Co	Fwds copy of specns RE 13A 217A. W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
271576	1/5	To Pug Sd T	Directs investigate probable date delivery K&C 1 and 2 KW radio sets. W Pug Sd (T) reports on number of radio sets received from K&C 1-7
271480	1-4	Fed Tel Co	Arc converter, 5 kw; fwdsplans.W To—1/21
271996	12-31	Fed Tel Co	Fwds copy of letter to Union, relative to procedure in inspection of radio apparatus.W
272484	1/8	Marconi Co To—Reqn 1612 prepared to cover equipment.3/21	States are making every effort to furnish NY Yd with 10 inch auxiliary sets.W Marconi Co-Reports delivery of 12 complete sets, and quotes price. W 3-8 To NY—Instrns re test.3/12 Marconi Co-request action on letter of March 8th.W 3-19
272203	1/9	To Firms VOID - SEE CARD 296-736 Motor Compressor Co-Reports on shipmts for week of 3-18—2-23.DA	Reqt submit weekly reports on material shipt. DA Motor Compressor Co-report of shipment Feb.18 to 23d.2/25 Motor Compressor Co 6;29 Motor Compressor Company - W. 3-2
278886	1/10	Federal Telegraph Co	5 kw set under test at Washn Fwds prints and gives list of what set consists of.W
273003	1/10	NY Washn-Outlines conditions necessary for operation of system.W 2-19	Arc transmitters-reqt information regarding absorption circuit operation.W Fwd Wash—1/21
273315	1/9	Atl Flt	Fwds suggestions for short range set.W To—Comments on.1/18
272195	1/9	To Marconi Co	Ask cost of a timed spare set compared to a high frequency alternator. W Marconi Co - W - XXX 1-25

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APPARATUS.

Number.	Date.	From or To—	Subject.
270189	12-4	Marconi Co	4 half kw cargo sets; reports delivery to Phila; request payment.W
269188	12/24	Fwd Wash	Specns for gas engine driven oscillation radio transmitter and receiver. Reqt specns covering.W Wash 1-9
269189	12/24 NY--3/5.W	To NY	Booklets of radio transmitters issued by contrs. Lists and reqts be fwded to Bu. W NY fwds books on radio transmitters as issued by contractors.W 1-10 To NY--Reqt fwd booklets.2/26
269190	12/24	To Harvard Radio School	Fwds radio specns as listed. W Harvard Radio School-2/19
269254	12/24	To NY	Vandykes of battle radio plans reqted. Lists.W NY 1-7
269401	12/27	To Wash	Reqn for amplifiers. Gives type desired. W To Weston Elec Inst Co--Directs develop composite front and back connected instrument for radio frequency ammeters. 12/27 Weston Co 1-2
269403	12/27	To Wash	Revision of specns for crystal detector, head telephones, audion control boxes and wavemeters. Reqt recommendations. W To Wash--12/27 To Wash--Revision of specns for audion bulbs.W 12/27

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
269547	12/29	To Dept	Apportionment to various contractors of specific problems. Submits schedule of development problems submitted to companies.W RB 1-7 To Dept--2/1
269901	12/29	To International Sig Co	Returns report of Interffleet set. W
270585	12/31 Fed Tel Co 1-7	Federal Telegraph Co	States iron workers, patternmakers, etc in San Fran have struck for 10 per cent increase in wages--will interrupt various contracts for high powered radio stations.W To--Ask if Bu can render any assistance.1/4 To Dept--Informs of strike.1/4
270648	12/18 Cutting & Washington-Fwds booklet giving operating instrns.W 3-30 To Cutting & Washn--4/2 C&W Co-Fwds booklets.W 4-3	Phila	Request information on Cutting and Washington type of radio transmitters.W To Phila--1/3 To Cutting & Washn--Beqt fwd descriptive booklets to Phila.1/3
270482	12-27	Marconi Co	5 and 2 kw sets on various contracts; fwds vandykes covering dondenser racks and quenched gaps; request type numbers be assigned to.W To--Assigns type numbers.1/4
270640	none	Officer in Charge Bureau Radio Division	Gives manner in which radio apparatus has been manufactured in the past; recommends establishment in Washington of a radio manufacturing yard capable of manufacturing all types of radio apparatus, also a fully equipped research laboratory.W

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[OVER.]

Number.	Date.	From or To—	Subject.
266708	11/24	NY Yd	Copy of correspondence with E.J.Simon directing no further visits be made to radio laboratory at Yard without written instructions from Navy Yard.W
266841	12-11	Panama Canal	2 radio sets; contractors state if furnished strictly according to specifications would have to furnish material never incorporated in radio sets of their design; request instructions.W Panama Canal 12-17 To--Will give further advice if will fwd copy of contr.12/14 To Panama Canal--Rec purchase sets as outlined in bid of Simon.12/31
266862	12-10	NY	Fwds weights for 5 kw Navy type transmitters·W
266860	11-27 12-11	Snow's Ltd NY	Lists apparatus which they have for sale.W Fwd 3rd Dist--12/14
267243	12-13	F. Lowenstein	Dilecto nameplate; fwds samples; request approval .W To NY--Instrns re accept of name plates.12/20 To--Detailed comments on.12/21
267771	12-8	M Rs	Gives assignment of 2 kw K&C radio sets to merchant ships.W
367766	12;4	Norfolk	Fwds invoice card.

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
267907	12-14	Marconi Co	Assembly 1 kw panel type radio transmitters; comments on manner in which condensers are mounted.W To--Gives action on.12/22
268249	12/18	Equitable Trust Co	E.J.Simon request recommendations rel to advancing money.W To--12/20
268275	12-19	Wireless Spec Co	Request corrected vandykes of 5 kw sets W To--Fwds Vandykes.12/21
268607	12-19	Bost	Fwds 4 vandykes of RB26F118A.W To--12/31 Boston2/1.W
153166	From---- CARD 58(SEE 229) To YDs-Dists-Air Sta-Fleets- Fwds semi monthly radio reports To-Fwds. copy of report? 2/20 1-21 To Yds-Dists-Air Sta-Fleet- Fwds semi-monthly radio reports 2-8		M Is Kilbourne & Clark receiver; fwds report on test and inspection of 12-13 M Is 1-5 TO yrd, Fleets etc.-Semi mo report 4;30 To Comdts Insprs. & Yds, Fwds copy of semi-monthly radio reports, 11-20 To Commandants;Mgrs;Supts;Commanders;etc, fwds copy semi-monthly radio report,12-9
269660	12/26	Kilbourn & Clark Co T	Request Government exercise labor control and direct payment bonus for employees in order to prevent strike - W To Shipping Board--R efers above for action.12/27
To Dept--Re 10% bonus to be paid by Govt.1/4 K&C Co (T) request action regarding labor troubles 1-10			Kilbourne & Clark Co (T) strike called Jan 3rd; request action taken 12-31 To--(T)1/3
269488			Co submits detailed report 12-26 Marconi Co will call on the 27th 12-24 International Signalling Co 12-24

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APPARATUS. 1917

Number.	Date.	From or To—	Subject.
264420	12/3	To S&A	Reqt shipt of wave meters from Wash to Norf. W
264757	12/3	To S&A	Reqt shipt of gas engine driven radio set from NY to Ft. Crockett. W
	Marines at	Galveston 12-29	To—Ditto for apparatus from Wash.12/3
	To S&A—Reqt	shipt of gasoline engine	To Ft. Crockett—Instrns re apparatus.12/5
	muffler from NY to	Marine Corps at	To Ft. Crockett—Directs advise Bu when receive
	Ft. Crockett. 3/29	To Ft. Crocket	radio set.12/19 Marine Corps.8.23
	Asks if rad.	apparatus rec'd.6/19	
265458	12-5	NY	Specifications RE13A1IID do not specify right reading vandykes of instructions; recommends.W
265410	12/6	To Wireless Spec Ap Co	Lists Vandykes delivered to company representative for use in manuf of receiving apparatus.W
265767	none	Natl Elec Sig Co	Reports closing of receiver ship-will continue business under name of International Signal Co.
	To NY—Appvs	rec.2/26	To Bost—Ask action taken.3/4
	To NY—2/13		Crocker-Wheeler Co 2/18 - W
266235	12-7	NY	1917 order for Navy transmitters; asks when
	NY 2-8		racks are to be used; also if spare gaps are to be
	To Norf—Reqt	infor re number of	part of wave changer assembly; also information
	motor gen and	spares received from	relative to spark gap.W
	NY.2/9		
	To Crocker	Wheeler Co—2/9	To—Gives information reqted.12/18
	To NY—2/9		To NY—12/19
	To S&A—2/9		To NY—Submits data as listed.2/1
	NY—3/1		NY 25
266428	12-10	Frederick Pierce Co	Fwds copy of letter written to E. J. Simon stating will discontinue work on his contracts Dec 12th, unless copies of contracts are received from him.W
	To Copely	Co—2/27	
265832	To Copely Mfg. Co—Reqt	est for sup-	Chasn 1-28 Copely Manuf Co.Have a 1 1/2KW
	plying new engine for radio	set damages.2/23	generating set ready to ship to
	copely mfg co—withdraws	increase in price acct	NY on Marconi contract. W 2-25
	of gen.2/26 To ———	gasoline tank shipped from	Chasn 6/28. see card 183 Charleston 6;24 S&A 8;6

CARD 167

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N.S.E. Form 134.

26876: APPARATUS.

Number.	Date.	From or To—	Subject.
266603	12/11	Phila	Request plans and description of 1 kw 500 cycle radio set searchlight battery.
			To—Bu has no drawing.12/31
232688	SEE CARD 148		
		To Roller Smith Co—12/31	
		To Phila—12/31	
		Internatl Sig Co-fwds Vandykes.12/31	
		Sperry Co-fwds Vandykes,instrns, etc.1/2	
		Weston Co 12-31	
		International Signal Co 12-31	
		Wireless Spec App Co 1-3	
		Fed Tel Co 12-31	
		GE Co 1-2	
		Domestic Engineering Co 1-2	
		To E.J.Simon—1/4	
		To Sperry Co—1/4	
		To Electrose Mfg. Co.1/4	
		Electrose Mfg Co 1-7	
		To S&A—1/5 RB - 1-26	
		To Weston Elec Inst Co—1/5	
		To Domestic Eng Co—1/7	
		To Fed Co—1/5	
		Marconi Co 1-5	
		Splitdorf Elec Co 1-8	
		To GE Co—1/8	
		To Wash—1/8	
		Sperry Co 1-9	
		Wash 1-9	
		To Phila—1/10	
		To Crocker Wheeler Co—1/10	
		To International Sig Co.—1/10	
		To Marconi Co—1/11	
		To Sperry Co—1/12	
		To Marconi Co—1/12	
		To International Sig Co—1/12	
		To Splitdorf Elec Co—1/15	
		Roller, Smith Co 1-14	
		Domestic Engineering Co 1-11	
			To Cutter E&M Co—12/8
			To Marconi Co—12/8
			Natl Elec Sig Co 12-11
			Marconi Co 12-11
			To Wash—12/11
			To E.J.Simon—12/14
			To Wireless Improve Co—12/15
			Roller, Smith Co fwds film negative ~~stat~~ covering meter 12-18
			To Western Elec Co—12/17
			To Phila—12/17
			To Marconi Co—12/17
			To Marconi Co.12/17
			To Roller Smith Co—12/17
			To Weston Elec Inst Co.12/17
			Crocker, Wheeler Co 12-18
			To E. J. Simon—12/18
			Phila 12-20
			To Marconi C o—12/19
			To E.J.Simon—12/22
			To GE Co—12/22
			To Roller Smith Co—12/22
			Crocker, Wheeler Co 12-26
			To Roller S mith Co.12/26
			To Dubilier Condenser Co.12/26
			To Weston E lec Inst C o.12/26
			To Fed C o—12/26
			To Lalley Electro & Ltg Corp.12/26
			To Weston Elec Inst. Co—12/27
			To Fed Co.12/28
			To International Signal Co .12/28
			To Wireless Spec Ap Co.12/28
			To Crocker Wheeler Co.12/28
			To M.Is.12/28
			To De Forest Co.12/22
			To Crocker Wheeler C o—12/29
			To Domestic Eng Co—12/29
			To Splitdorf ElecC o—12/29
			To Electrose Insulator Co—12/29

CARD 157

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[OVER.]

917 1917

APPARATUS.

Number.	Date.	From or To—	Subject.
263959	11-28	Public National Bank	E. J. Simon desires to borrow money from them; request recommendations and procedure to be followed.W To—No risk in loaning.12/3
263525	11/27	To Stations	Fwds copies of Radio equipment report, to be submitted quarterly. W
263584	11/28	To Nat'l Elec Sig Co	Directs have representative attend conference Nov 30th, at C opely Co, re adopting final type of gas engine unit. W To Copely Co—(T)Re conference.11/28
263704	11/28	To Marconi Co	Fwds Vandykes for assistance in preparation of of plans for 350 1 KW panel type radio sets being manufd on reqn 750. W
263801	11/28	To Darien	Ask if there is spare radio equipment in the Canal Zone suitable for uses afloat. W Balboa 1-31
263812	11/28	To Bost	Inspection of 2 KW sets for Pacific Coast.Wireless Spec Ap Co. Directs make inspection at Bost before shipt. W
263818	11/28	To Wireless Spec Ap Co.	T Desire delay test special receiver until December 10th. Directs inform Prof Pickard. W

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N.S.E. Form 134.

876 : APPARATUS.

Number.	Date.	From or To—	Subject.	
264491	11/28	Chasn VOID see below	1/2 kw panel sets-request	
264575	11/30	Natl Elec Sig Co	Request information as to spares desired to be supplied on reqn 645 also type of speedometer.W	
263815	11/30 To Wash—3/12	To Wash	Design of chopper for arc transmitter. Instrns in connection with test. Directs expedite manuf of. W Wash 1-14	
264491	11/28	Chasn	1/2 kw Simons panel sets-request ??? covering.W Fwd NY—12/4 RB 1-5	
264801	12-3	Kilbourne & Clark Co T	Asks if may expect new orders for radio equipment in the near future; states delays have been due to to shortage of manufacturing parts purchased elsewhere ·W	
264193	12/1	To Wireless Spec Ap Co	2 KW sets to be shipt to coast. Directs inspection at Bost Yd before shipt. W Co 12-5	

APPARATUS.

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Number.	Date.	From or To—	Subject.
262748	11/22 To--12/29	De Forest Co	5 kw oscillion transmitters; states are developing.W To--Rept statement of changes contemplated.11/27 DeForest Co-11/30.W
262443	11/23	To Gen Radio Co	Reqn for 20 inter-fleet radio sets prepared. Fwds blueprints, and directs provide suitable hand sending key. W
262909	11/22	Wireless Specialty Co	Various contracts - appeals against liquidated damages.W To--Will settle damages after final payment has been made.11/30 See Card 182
		Wireless Specialty Appartus Co reqts remission of damages listed on contr. 109 and 64 and 671. 5;21	
262964	11/23	NY	Fwds photographs showing 20 kw motor gen action cut out switch and buzzer.W
262958	11/22	NY	Request definite information rel to Bureau's plans in connection with numbering contractors Vandykes.W To--Submits information for comment.1/2 To NY--3/20
		NY-Recommends use of black and white line prints be discontinued.W (Cross to Drawings-634) NY--submits reco.--4/9 F. Lowenstein 1-29	
262930	11/17	Copely Mfg Co	Short range static transmitter receiving set-Fwds description of the proposed.W To--11/27
		To Wireless Improve Co--12/27 To F. Lowenstein--Ask what are considered his rights. 12/27 F. Lowenstein 1-4	Wireless Improvement Co gives history of work in connection with transmitter; states will undertake today work themselves.12-8 CARD 166
		To F. Lowenstein--Directs proceed with development of static transmitter.1/19	
1233	11-22	N Y	Ten Sperry emergency transmitters; recommends that all radio material be delivered to yard for inspection in lieu of yard sending inspr to manufacturer's works. W 629
263050	11/24	To K&C Co T	Ask if Bu supplies gaps, can deliver complete sets at once.W Kilbourne & Clark (T) states have 150 sets well under way 11/24

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
263384	11/26	Kilbourne & Clark Co T	States if receive motor generators, transformers and circuit breakers, etc, long past due, within 10 days can deliver sets by Jan 10.W
	To—12/13	To—Reqt full details of gap.1/2	
263668	11/26	F.F.Weiss	Request permission to manufacture radio apparatus.W see card 155
	To Nav Intell—Directs investigate intentions.11/30 Weiss 12-14		Weiss 12-3 To—Reqt further information.11/30
263685	11/26	Amer R&R Coppn	2-kw sets-states bid is low and request award to them.W
263647	11/26	Charles R. Lutz	Marine radio set adaptable for express cruiser; request prints of mast and antenna.W To—11/30
263763	11/27	NY	2 kw transmitters, type SE, primary circuit connection; fwds vandykes.W
263786	11/27	Sperry Co	Fwds curves showing performance od Edison battery T-2.W
263932	11-29	Kilbourne & Clark T	Protests against Bureau's stating not making satisfactory progress; states due to nonreceipt of material from contractors selected by Bureau to make deliveries; reports in detail relative to material received; states factory will be closed down in 30 days unless Bureau gives them additional business.W Co 12-4 Co 12-11 To—12/19

[OVER.]

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APPARATUS.

Number.	Date.	From or To—	Subject.
261262	11/17	To K&C Co	Reqn for spare parts for sets on contr will shortly be issued. Reqt ests on parts as listed. W Co 11-23
261263	11/17 To—12/20	To Wireless Improve Co	Ditto. W Co 12-8 Co quotes 12-17 To—Ask if price not in error.12/14 Wireless Improvement Co 12-24
261264	11/17 Cutting & Washn-W - 2-11 To—2/15	To Cutting & Washington	Ditto.W To—Reqt submit est.1/3 To—Reqt ests on spares as listed. 1/31
261261	11/20 To—1/21	To Nat'l Elec Sig Co	Ditto. W Co 11-27 To—Reqt quotation on spare parts.12/7 International Signalling Co 12-10
5 261533	11/20 To—Reqns being prepared.12/19 Marconi Co 1-17 To S&A—Reqt place order for ammeters as soon as possible. 1/21 RB-1-26	To Marconi Co	Ditto. W Co 11/24 Marconi Co--Quotes price in detail for various contracts.12/11.W To—Re formal orders covering reqns.1/29
261965	11/20	To Bu Standards	Test of new type of receiver, submitted by Dr Cohen. Reqt report of. W
261996	11/20	To S&A	Minimum amount of stock to be carried at fitting out yards for every ten ships equipped with Marconi Radio Sets. Lists.
262132	11/19	Cutting & Washington	States requisition covering 20 commercial sets not yet received.W To S&A—Directs expedite contr.11/23 S&A 11/26
262835	11/12	Phila	Request stock of radio transmitters and receivers for issue to Emergency fleet boats, Chasers, Scout Patrols, etc - W

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
262331	11/20	Bost	Instructions for installing and operating standard signalling and distant control apparatus for duplex working of US Naval radio shore stations; fwds.W
262345	11/19	Norf	Fwds vandykes.W
262384	11/21	F Lowenstein VOID	Pumps for 50 foot steamers request award be expedited.Y
262384	11/21	F Lowenstein	Calls attention to certain omissions and errors in radio drawings.W
261534	11/21	To Wireless Spec Ap Co	Reqn for spare parts for sets on contrs as listed.
		To—Re errors made in quotation.1/29	Lists parts and reqt early ests on. W
		Co 2-7	To—Reqt submit rest. 1/3
		To—2/13	To—Reqt submit ests.1/23
		To—2/28	Wireless Spec Ap Co - quotes prices.W 1-23
		Wireless Spec Co-3/4.W	Wireless Specialty Co - 1/25 - W
262515	11/22	Kilbourne & Clark T	Requisition 722 NY, for 2 kw radio transmitters; asks if to receive contract for any portion of.W
262495	11/22	To Sperry Co	Destroyer emergency radio trans sets of specns as listed. Ask will manuf. W Co 11-27

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APPARATUS.

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Number.	Date.	From or To—	Subject.
232688	11/12	To Amer R&R Corp	W card 143 To Crocker Wheeler Co. 11/12
	11/12	NY	Fwds blueprints of quenched spark gaps W To Nat'l Elc Sig Co--11/14 To Firms--Assigns type numbers.11/14
	11/14	Crocker, Wheeler Co	To Sperry Co--11/14 ToRoller Smith Co--11/16 To Weston Elec Inst C o--11/17 Weston Co 11/19 To Manhattan Elec Sup Co.11/17 To Dubilier Condenser C o--11/17 Natl Elec Signalling Co 11/19
		F.Lowenstein-fwds prints.11/26.W Roller, Smith Co 11-28 M Is 11-21	Federal Telegraph Co-fwds prints.W-11/15. Federal Telegraph Co--11/19.W To E.J.Simon--11/20 Marconi Co--11/19.W Federal Telegraph Co 11/14
		To Cutler Hammer Co--11/27 To Crocker Wheeler Co--11/27 To Crocker Wheeler Co)--11/27 To Wireless Improve Co--11/27 To E. J. Simon--11/27	Roller Smith Co--11/20.DA National Elec Signal Co--11/20 Weston Elec Instruments Co 11/16 Crocker, Wheeler Co 11/21 ToWeston Elec Inst Co. 11/21 To F.Lowenstein--11/21 Marconi Co 11/20
		Weston Elec Instr Co 11-28 Roller-Smith Co 11-30 Marconi Co 11-26 E.J.Simon 11-30	Amer Transformer Co fwds vandyke 11/21 Emil J. Simon 11/22
		To Weston Elec Inst Co--11/28 To NY--Assigns type numbers.11/28 To Westinghouse E&M Co.11/28 To Wash--11/28 ToWireless Spec Ap Co.11/28 To Fed Co--11/28 To E.J.Simon--11/28 To Roller Smith Co--11/28 To Wash--11/28	To Wash--11/22 To F. Lowenstein--11/22 To Roller Smith Co--11/22 To Wireless Spec App Co--11/22 To De Forest Co--11/22 To E. J. Simon--11/22 To Western Elec Co--11/22 To Nat'l Elec Sig Co--11/23 To Marconi Co--11/23 Wireless Spec App Co 11/23 To Wireless Spec Ap Co.--11/24 To Marconi Co--11/24 To Weston E lec Inst. Co.11/24 To Roller Smith Co. 11/24 To Wireless Spec Ap Co.11/24 Western Elec Co 11-27 Roller-Smith Co 12-4 To Marconi Co--12/5
		Roller-Smith Co 12-1 Weston Elec Instr Co 12-1 Wireless Improvement Co 12-1 To E.J.Simon--11/30 To Roller Smith Co--11/30 To F. Lowenstein--11/30 To Nat'l Elec Sup Co.11/30	To Nat'l Elec Sig Co.12/6 To E. J. Simon--12/6 Wash 12-7 To Nat'l Elec Sup--12/7 To E.J.Simon--12/7 Roller-Smith Co 12-11 Marconi Co 12-7
		E. J. Simon 12-3 (2) To Roller Smith Co--12/1 Emil J. Simon 12-4 Emil J Simon 12-3 Natl Elec Sup Co 12-5 Weston Elec Instr Co 12-4 To M.Is.--12/4	SEE CARD 152
4—3381		Wash 12-3 (2 letters) Emil J Simon 12-6	To Nat'l Elec Sig. Co -12/5

N.S.E. Form 134.

876: APPARATUS.

Number.	Date.	From or To—	Subject.
260365	11/12	DeForest Company	Request payment 75 percent on materials which they have purchased on contracts 376 and 28773 in order to meet obligations for raw material and payroll.W Co 11/16 To—11/22
260573	4/6	Elec Importing Co	States are in position to build small radio outfits for motor boat submarine chasers.W To—11/22
260635	11/13	NY	Fwds radio booklets.W To—Reqt instrn books as listed.11/20 NY-fwds booklet instrns 1/2 kw sets.2/27
260395	11/14	To Firms	Lists modifications which will be made to specns for 2 KW radio sets on reqn 722. W
260969	11/15	Federal Co	5 kw Poulsen radio sets; states have a number made up for the Pacific Mail Steamship Co, which they are unable to use and asks if Navy cantake over, (six sets).W
224662	11/15	SEE CARD 113	Fwd Norf via SO—Directs turn radio set over to Engineer Officer. 11/15 Fwd S&A—11/27
261126	11/15	Wireless Improvement Co	Electro static thermometer-have developed sample and request trial.W To—Reqt data on system recommended.11/24
261260	11/19	To E.J.Simon	Reqn for spare parts for sets on contr listed will soon be issued. Lists spare required on each contr. W D.F.Simon--11/27/quotes prices.W

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APPARATUS.

Number.	Date.	From or To—	Subject.
259679	11/9	To NY	Assignment of radio sets. Reqns 42 and 20. Fwds assignment desired. W
259695	11/9	To S.W. Kintner (Nat'l Elec Sig Co)	Directs visit Bu Monday if possible. W Natl Elec Sig Co--makes appointment for Nov/12th.11/10.W
259744	11/9	Cutting & Washington	T Asks if Bu desires 10 commercial 1/2 kw sets.W To--(T) Reqn has been made for 20 complete sets. 11/10
259729	11/8 To--11/12 To--Acknowledges.11/15	Massie Co	States are in position to manufacture radio apparatus-reqt bids be sent them.W Co asks if possible to do business with government in view of fact one of stock-holders is in government service 11/10
259768	10/29 11/1 Wash 1-31 To Dist Com Supt Bost--Submits copy of report from Wash.3/16	S.B.Young,Elecn 2dCl. Boston	Suggestions for improving radio communication between patrol boats.W To Wash--Quotes above for comment.11/20 Atl Flt 12-4 Bost 12-3 Phila submits report on suggestions for improving communication between patrol boats 12-20
260104	11/8	General Radio Co	Experimental interfleet radio transmitters; quotes price.W
260076	11/9	Cutting & Washington	Fwds photographs of certain boats; request authority to use in new catalog covering their radio apparatus.W Fwd Dept--11/13

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.	
260098	11/10	Wireless Spec Co	Protests against being penalized for delayed deliveries on contracts·W To--Reqt infor as to each specific contr number.11/15	
257948	11/10	To Firms	Fwds drawings covering receiver to be used in preparing bids called for by schedule 2232-1/2.W	
259888	11/10	To S&A	A uxiliary radio sets. Inspection of will be made at works of Sperry Co.Reqt NY be instructed to expedite shipt to MELVILLE. W To NY--Fwds copy of above letter.11/10	
259935	11/10	To Sperry Co T	Clark will arrive Monday to inspect sets. W	

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.
258439	11/2	F Lowenstein	Reqt approval of drawings showing nameplates for 2 and 5 kw radio transmitters. To—Comments on prints.11/10 Lowenstein 11-30 To—Appvd.12/4 Lowenstein 12-7
258450	11/3	To Wash	Specns for 1/2 KW transmitters, and for low power oscillion sets. Fwds. W To—Fwds specns.11/13
258576	11/2	Marconi Co	1 kw transmitters complete; submits quotation.W Marconi Co-Agrees to furnish 3-way in lieu of quarter switch-reduced price-25 dollars.W
258670	11/1	Wireless Spec App Co	Fwds copy of instruction book for 1/2 kw panel sets.W
258945	11/3	NY	Tracing cloth for radio drawings; request approval of requisition for 15,000 sheets.W To—A ppvs purchase of add'l stock of printed tracing cloth. 11/8 NY—Gives amount of tracing cloth on hand for issue.W
258741	11/5	To S&A	Title B-Radio apparatus issued at various yards. Directs issue instrns to yards not to issue radio apparatus to ships except in accord with standard allowance lists. W S&A 11/13
258096 8	11/6	To Firms	Fwds specns for 2 KW radio sets. Lists drawings fwded under separate cover. W American Radio&Research Corpn—T)drawings not received.W

N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
258889	11/6 n	To S&A	Reqt shipt of radio set from Wash to NY for stock.W To—Shipt not received.12/15 NY 1-15 To NY—1/22
259084	10/30	Fed Tel Co	Fwds vandykes and instruction books for 20 and 30 kw arc sets.W
259238	11/6	Cutting & Washington	States have 6 32 volt sets in stock in addition to those quoted on Nov 3rd.W To—No need of.11/9
259237	11/6	Cutting & Washington	Fwds signed proposals for 22 kw submarine radio sets.W To—11/12
259582	11/8	F. Lowenstein	Request acceptance test be made at his plant; have secured additional floor space for.W To NY—Fwds above letter with comment.11/10 NY 11/19
259018	11/7	To Ports Yards	Reqns for radio material. In excess. Reqt refer reqns to Yard before sending in, to Bu for his recommendation. W
259622	10/27	Silvex Co VOID	States order for delux plugs not yet recd.DA
259630	11/8	Natl Elec Sig Co	Offers tower and gen set from the Brant Rock Station for sale(Cross to masts and towers)W To—Have no use for material.11/13

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
257314	10/27	To Marconi Co	Bu is preparing reqn for 20 2 KW commercial panel sets and 15 1/2 KW panel sets for delivery to NY. W
198487		CARD 84	M Is request sample plates and type numbers 10/22 To 11/10 M Is 1-5
257406			To NY—Disposition of radio sets. Submits record of assignment of. 11/21 NY 11/17 NY 12-18
257407	10/29	To Pug Sd	Reqn to cover purchase of commercial type radio sets to be delivered Pug Sd. Lists rean. W
257408	10/29	To Bost	Ditto for Bost Yard. W
257580	10/30	To Wash	Blueprints of type number bulletins. Ask time and cost to produce about 300 copies re sample enclosed. W To Govt Printing Office—D itto. 10/30 Wash 11/13 Wash E-1
257854	10/30	Communications	Submits report by LtEC Ragnet on ability of certain vessels of fleet toreceive arc signals.W
257819	10/31	To K&C Co T	Reqt order numbers each contr material requd from Westinghouse to meet your deliveries. W K & C Co (T) gives Westinghouse Co's order 11/1 Co 11 lengths of tubing still due (T) 10/3

To—(T)Reqt date orders also quantity of tubing.11/2

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
257891	10/30	Atl Flt Personal	Writes relative to Alexanderson's patent hook-up, also small station, Jamestown and requests certain apparatus be shipped; request certain plans be shipped to British Admiralty.W
257808	10/31	To Belmar	Breakage of receivers shipt from Wash. Reqt infor in detail in connection with. W Fwd Wash--12/5 RB 1-9 Fwd Belmar--1/14 RB 1-18
258341	11/2	E. J. Simon	1 kw sets; relative to voltage striking distance between coupler coil and buses; fwds prints.W To--11/10
258310	10/31	Cutting & Washington	2 kw set; asks if circuit breaker desired on DC side of.W
258316	11/2	Marconi Co	Fwds list of spares to be carried in stock, in order to provide for 10 sets of Marconi 1/2 kw commercial type panel set.W Co encloses additional list of spares 11/5
	To Marconi Co--2/27 To--3/15		
258216	11/2	To Marconi Co	Are in need of two 5 KW sets and one 2 KW set with motors wound for voltages as listed. Ask if can convert any sets to corres. W Co 11/20
To--Instrns re modification of set.1/8 To Crocker-W.Co.Reqts. to expedite del. 8/28 To--1/9 Marconi Co 1-10 To--Ask when sets will be del'd.2/8			
258243	11/2	To Cutting & Washn T	Directs expedite fwding specns for 1/2 KW commercial set, including receivers and antenna.W Co fwds specifications; quotes price 11/3

CARD 168

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APPARATUS.

Number.	Date.	From or To—	Subject.	
256713	10/25	Sperry Co T	Radio transmitters for emergency; gives monthly rates of shipment; can promise same price as last order, liquidated damages not to apply. W	
256663	10/23	A. L. Frankenfield See below	Reports test of his means for increasing radiation of wireless station. W Phila test of transmitter submitted by Frankenfield 11/6	
256397	10/25	To K&C Co To Firms—	Fwds Vandykes, Antenna Send-receive switch, for use on 5-KW spark transmitters. W Marconi Co--11/19. W	
256447	10/25	To Nat'l Elec Sig Co	Fwds copy of specns for 1/2 KW panel sets. Reqt submit quotation on, in accordance with specns. W Co 10/26	
256663	10/25	To Phila See above	Test of apparatus, A. L. Frankenfield. Directs send representative to witness test of transmitter. W To A.L.Frankenfield--Gives action taken. 10/25	
256862	10/26	To E.J.Simon	Trouble with operating coupling arrgt on panel sets by means of cords and pulleys. Directs in future supply with a rotary worm, or some rigid smooth working means. W Simon states have made couplings control 10/29	

N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
256868	10/26	To Manhattan Elec Sup Co	Submits statement of Lowenstein showing status of contrs. W Co states records do not agree with facts stated by Bureau 11/1 Co 12-12 To Lowenstein--12/14
256910	10/26	To Firms	Radio sets on schedule 1213-1/2. Detailed instrns in connection with apparatus. Must be capable of transmitting on a wave length of 300 meters, etc. W
257217	10-12	SEE CARD 200	
257265	10/27	Natl Elec Sig Co	1/2 kw panel radio marine sets; request requisition and contract number. W
257266	10/27	Natl Elec Sig Co	2 kw commercial type radio sets; request requisition number. W
257266	10/27	Natl Elec Sig Co	1/2 kw radio sets fitted with Henderson engines; request contract number. W To--Have no infor in connect on with. 11/1
257089	10/27	To Wash	Detailed comments re information which should be sumitted in weekly reports of changes in radio apparatus. W
257311	10/27	To NY	Simon 1/2 KW panel radio sets. Instrns re coupling to be accepted. W

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APPARATUS.

Number.	Date.	From or To—	Subject.
256379	10/23	Amer R&R Corp	Contact; asks thread to be furnished.W To—10/29
256446	10/24 Co 11/14	Amer R&R Corp	Quotes price and time of delivery for re-winding exciter on 1/2 kw DC generators, to operate as motor generators, from 110 volt circuit.W Co states quotation did not cover 2 sets of spares 10/27 To—11/12
256550	10/24	Paul C. Schnitzlar	States has 6 additional sets for sale by the Atlantic Communication Co; quotes price.W To—No need of at present.10/30
256527	10/23	Natl Elec Sig Co	5 1/q kw panel radio sets, Simon's design; states will require sample set in connection with manufacturing.W To NY & Co—Fwds copy of above letter, and directs confer with company.10/27 NY 12-31
256496	10/24	To K&C Co	R eqn for 12 2 KW and five 1 KW commercial type radio sets, prepared, rec award to company. Priority certificate reqted. W To—Reqt infor as to type of receiving.11/15 K&C fwds vandykes. W -1-16
256286	10/23	To Bost	Wireless Spec App Co 1/2 KW sets. Directs rush tests, as are urgently needed. W

N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.	
232688	SEE CARD 139		To Manhattan Elec Sup Co--Reassignment of type numbers.10/23	
		To GE Co--Assigns type n0.11/1	To De Forest Co--10/23	
		F. Lowenstein request correction of apparent errors 11/1	To American Transformer Co--10/23	
		E. J. Simon 11/2	Phila fwds prints (2 letters) 10/23	
		ManhattanElecSup Co (2 letters) request action letters Oct 10 1 0/31	To De Forest Co--Assigns type number.10/25	
		Marconi Co relative to additional type numbers forswitchboards, quenched gap and gap mounting 10/25	To F irms--Ditto.10/25	
		Emil J Simon fwds copies of tables requested 11/3	To Firms --Assigns and modifies type numbers.10/26	
		Am H&R Corp request instructions relative to supplying catalogue numbers and any other data required for nameplates for switchboards 11/3	Bost fwds prints 10/25	
		Weston Co fwds negative vandykes of instruments for which type numbers have already been assigned 11/2	To Sperry Co--Ask capacity of condenser of Dubilier Co.10/27	
		To E.J Simon--11/5	To NY--Reqt Vandykes of 5 KW gap.10/27	
		To Nat'l Elec Sig Co & Sperry Co--Assigns new type number.11/5	To Nat'l Elec Sup Co and Wireless Improve Co--Roller S mith Co will make studs on metter 3/8" long. 10/27	
		To Crocker Wheeler Co--11/5	F. Lowenstein 10/26	
		To Manhattan Elec Sup Co--11/5	To Nat'l Elec Sup Co--Reassignment of type numbers.10/29	
		To Marconi Co--11/6	To E.J. S imon--Reqt type numbers of apparatus listed.10/29	
		To Manhattan Elec Sup Co--11/6	To Firms--Fwds data sheet for rheostats and directs submit to Bu.10/29	
		H-C Co fwds rheostat data on motor generating sets for type numbers.11/6	T o Bost--10/29	
		NY--fwds vandykes with type numbers added.11/6.	To Roller Smith Co--10/27	
		Weston Elec Instr Co fwds list of instruments to which Bureau has already assigned type numbers; fwds vandykes showing 11/7	To Amer R&R Corp-- Ins trns re preparing nameplate.10/30	
		Bost replies to letter of Oct 30 11/7	To Bost--Ask maximum capacity of antenna transfer switch.10/30	
		To Nat'l Elec Sig Co--11/8	To M.Is.--Assigns type numbers.10/30	
		To De Forest Co--11/9 RB 11/15	To NY--Ditto.10/30	
		F Lowenstein-fwds table.11/9.W	Weston Elec Instruments Co fwds vandykes covering instruments 10/30	
		Crocker Wheeler-gives different sizes of generators.11/9.W	Weston Elec Instr Co fwds vandykes of additional instruments for type numbers 10/30	
		NY 11/10	Marconi Co 10/30	
		E.J.Simon 11/10	To Yards & Firms--Assigns type numbers.10/31	
		E.J.Simon 11/10	To F. Lowenstein--10/31	
		Manhattan Elec Sup Co 11/12	Sperry Co 10/31	
		Roller. Smith Co 11/12	De Forest Co request reply to letter of Oct 25th 10/31	CARD 148
		Natl Elec Sig Co 11/12	Western Elec Co 1/2 kw motor boat sets, type number; will apply for using gum lable; all 4 tubes interchangeable 11/1	
			Westinghouse E&M Co 11/14	

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[OVER.]

APPARATUS.

1917

Number.	Date.	From or To—	Subject.
25489 0	10/14	Phila	Wireless Spec Co's panel radio sets; request duplicate plan.W ~~To NY--Reqt fwd same to Bu.10/25~~ NY-fwds booklet.11/6.W
254955	10/13	Bost	5 sets on Cutting & Washington contract 627 have not been assigned.W
254953	10/15	Wireless Improvement Co	Otto Martini has been appointed production engineer of company.W
244473	10/13	To E.J.Simon	Fwds copies of report of test of panel radio set, received from Wash Yard. W
254517	10/13	To Wash	Fwds blueprint copy of specns covering the requirements for arc type transmitters. W ~~To--Fwds blueprint showing changes in arc specns. 10/25~~
255210	10/17	Wireless Spec App Co T	Quotes price for 8 1 kw sets.W Wireless Specialty Co (T) gives revised price - 10/25 W

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
255196	10/17	To Haller Cunningham Elec Co T To—Reqt copy of letter of Oct 24th. 11/27 Shipping Board 11/30 Haller-Cunningham Co 12-3 Haller-Cunningham Co - 2/12 -W	Ask if have any commercial ship radio sets in stock. W Co 10/24 To Shipping Bd—Reqt fwd company's telegram to Bu.11/5 Haller Cunningham Co-fwds printed matter-gives their specialties for radio work.10/28. To Shipping B oard—Fwds copy of company's letter 11/27
255370	10/17	Natl Elec Sig Co	States have decided to retain order for 50 1/2 kw sets; will supply them in accordance with Simon's design.W
255721	10/18	Wireless Spec App Co T	Request future radio requirements in order to secure supply of silicon steel, used in transformers'W
255838	10/20	Kilbourne & Clark	Reports price and time of delivery.W To—(T)Ask number 1 and 2 KW sets can delivery Pug Sd within month.10/20
255587	10/20	To Firms 2 Wireless Imp Co 11/14 Marconi Co—11/15-fwds prints. To Nat'l Elec Sig Co—Reqt expedite return of blueprints.11/24 Natl Elec Sig Co 11-30 To Nat'l Elec Sig Co—Auth retain drawings.12/4	Fwds copy of drawing for use in connection with preparation of bids for receivers. W Submits information re what proposals will contain. W To—11/12 Sperry Co—11/14-fwds print.W To—Reqt return of prints if not awarded contr. 11/12
256142	10/20	J. N. Cohen	Gives description of radio sets and quotes price.W To—Acknowledges.10/26

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APPARATUS.

Number.	Date.	From or To—	Subject.
253921	10/10	Natl Elec Sig Co T	States cannot deliver complete radio sets in time called for unless motor generators and meters are received at once.W
254058	10/9	Ports	List of radio sets under contract; request blueprint covering.W To—Fwds blueprint.10/13
253784	10/9	To NY T	Ask probable date shipt first ten 1/2 KW Marconi radio sets, contr 3, to Norf. W NY - (T) has delivered Marconi 1/2 K W radio sets promised Oct. 15th W 10/10 NY (T) no deliveries yet received 1 0/11
254059	10/9	Ports	List of stores of radio material to be carried by various yards; request copy of blueprint showing.W To—Fwds copy of radio report.10/13
254174	10/10	NY	Fwds 57 vandykes.W
252531	10/3	To Phila	Radio installation on-inform Bureau if set is available purchased from Spec App Co 1 kw. 361-6
254003	10/10	To NY	Assigns radio set ex Fire Island to NY Yard for issue. W

N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.	
254203	10/11	To Wash	Radio apparatus delivery dates. Directs notify Bu by letter when reqt covers shipt on one contr number, and apparatus on another contr is shipt. W Wash 10/13	
254098	10/12 To NY—Disappvs reqt for allott.11/13	To S&A	Reqt shipt of apparatus from NY to Wash for sample panel radio set. W ~~To—Directs cancel reqt.10/13~~ ~~To S&A—Reqt shipt of wave changing switch from NY to Marconi Co.10/29~~ ~~To NY—Gives action.10/29 Copy of Marconi Co NY 10/31~~	
254288	10/12	To Pug Sd	Calls attentions to errors in semi-monthly radio reports. W ~~To M.Is.—Ditto. 10/12~~	
254289	10/12	To NY	Reqt for booklets of radio sets. W NY fwds booklet plans 11/2 NY 11/9	
254693	10/8	Pensacola	Manufacture of inductive shunts for use with ships' radio sets; fwds estimate and prints.W (885)	
254780	10/15	Chasn R	FOOTE, ECLIPSE, LONG BEACH and ASTORIA; asks when delivery of 5 kw gas engine driven radio sets will be expected.W ~~To—(T)Will ship 3 gas engine sets this week.10/16~~ Chasn - (R) states gas engine sets not recd 10/27 ~~To—(T)Set shipt Oct 24th.10/29~~	

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APPARATUS.

Number.	Date.	From or To—	Subject.	
253121	10/5	Great Lakes T	ESSEX, HAWK, WOLVERINE, LUZON; gives numbers of transmitter installed on.W To—F orms 25-B not received.10/25	
253255	9/27	C. Spiro Mfg Co	Request orders for radio sets; gives facilities.W To—Comments on.10/30	
252997	10/5 Ports - 4-24	To Dubilier Condenser Co To J.G.Biddle Request specifications. W	Fwds copy of specns covering requirements for condensers and protective devices for use with radio transmitters. W To S&A—Ditto. 10/5 To Elec Specialty Co—Ditto.10/6 To Krants Mfg. Co—Ditto.10/6 To Yards—Fwds specns for radio trans.10/26 To Ports-Fwds specns. 4-30	
253399	10/6	Marconi Co	1/2 kw cargo type sets manufactured for the English Marconi Co; have discontinued manufacture of; quotes price for their standard commercial 1/2 kw panel sets; fwds photographs and list showing items comprising set.W	
252567	10-4	To S&A	Reqt shipt of apparatus from Wash to New London	861
253172	10-5	NY	Radio apparatus switch for allowing master to control radio sending apparatus; states present method of installing unsat. and rec that other precautions be taken; rec scheme for improving.	771
253782	10/6	Fed Tel Co Personal	Relative to prices for 100 kw arc.W	

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
253441	10/5	Amer R&R Corp	Submits report on production capacity for 2 kw sets.W
220897		CARD 124 Crocker-Wheeler Co 1-16 To Crocker Wheeler Co--1/23 Crocker-Wheeler Co NY Military Academy request prices on apparatus 1-31 Crocker-Wheeler Co 2-7 Crocker Wheeler Co. 2-9 fwds inquiry from Lewis Charles. Crocker Wheeler Co-Graceland--reqt bid on wireless apparatus.W To Crocker Wheeler Co--2/13 To Crocker Wheeler Co.2/14 To Signal Corps--2/14 Crocker Wheeler Co-request authority to wuoteLiberty Elec Co.2/15 Crocker Wheeler Co-W. 2-15 To Crocker Wheeler Co--2/18 To Crocker Wheeler Co--2/20 To Koban Mfg. Co--2/20 To Crocker Wheeler Co.2/20 To NY Military A cademy--2/27 To Crocker Wheeler Co. 3/26	Crocker, Wheeler Co; has request from Atlantic Communication Co for 5 kw motor generator 10/8 Crocker, Wheeler Co inquiry from Univ of Wisc 10/8 Crocker, Wheeler Co states have request from Atl Com Co 10/9 To Crocker Wheeler C o--10/9 To Crocker Wheeller Co--10/10 Crocker, Wheeler Co relative to selling generators to R. W. Pratt 10/31 Crocker wheeler-fwds inquiry from Farnam for motor generator. To Crocker Wheeler Co--11/7 To Crocker Wheeler Co--11/8 To Nav Intell--11/8 To N ay Intell--Directs investigate apparatus at Kent Mich.11/9 Crocker, Wheeler Co 11/13 To Crocker Wheeler Co--11/17 To Crocker Wheeler Co--11/26 To CHARLESTON--Ask if are in need of motor compressors.11/26 Crocker-Wheeler Co 12-12 Crocker-Wheeler Co 12-15 To Nav Intell--Regt intentions of Mr. L. Day be investigated.12/18 Crocker, Wheeler Co C E Darr request priced 12-22 To Nav Com--Regt intentions of L.C. Rolf be investigated.12/20 To Crocker Wheeler Co--12/20 CHARLESTON 12-24 To Crocker Wheeler Co--12/31 To Clyde E. Darr--1/4 Crocker-Wheeler Co 1-4 Clyde E. Darr 1-8 To Crocker Wheeler Co--1/12 To Nav Intell--1/12

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[OVER.]

APPARATUS.

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Number.	Date.	From or To—	Subject.
252063	9/29	NY	Fwds photographs of miscellaneous radio apparatus.W
250578	9/29	To Copely Mfg. Co	Submits information re number of spare engines starter, speedometers that Bu will require for motor boats. W
252240	10/1	To Bost T	Directs make immediate shipt express 6 Wireless Spec Ap Co 1/2 KW radio sets, contr 671, assigned Phila. W To Bost--Directs inform Phila date and route of shipt.10/2
252478	10/1	NY	E.J.Simon 1/2 kw panel sets; fwds criticisms of and recommends alterations in, to overcome defects.W
248253		CARD 136 Elec Controller Co fwds prints 10/10 Ports request copy 10/10 Elec Controller Co automatic motor starters; request type number for 10/22 Elec Controller & Mfg Co 11/26 Elec Cont Co-fwds data-11/30.W	Sangamo Elec Co fwds vandykes showing diagram in drilling dimensions in ampere hour meter 10/1 Elec Controller & Mfg Co fwds prints 10/4 Elec Controller & Mfg Co reqt additional prints 10/4 mElectric Controller Co fwds prints 10/4 To Elec Controller Co--10/6 Elec Controller Co fwds print 10/9 (2 letters)
253092	10/4	NY	Radio drwing-fwds 122.W
248253		ABOVE Elec Controller & Mfg Co 1-10 To Elec Controller Mfg. Co--1/19 Elec Controller Co 1-25 To Elec Cont Co--1/30	Elec Controller & Mfg Co 12-18 To Elec Controller Co--Appvs drawings.12/17 To Elec Controller & Mfg. Co--1/8 Elec C & M Co 2-1 (2 letters) To Elec Controller Co--2/5

BELOW

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
		Card 137	
232688	10/2	To Amer Transformer C o	10/2
		To Amer Transformer Co--10/10	To Nat'l Elec Sup Co--Re change in type number.10/2
		To Wireless Spec Ap Co--10/10	To De Forest Co--Re type number for oscillion sets.10/2
		To F. Lowenstein--Assigns type numbers.10/10	Phila fwds prints 1 0/2
		Industrial Controller Co 10/10	Weston Elec Instruments Co 10/3
		Amer Transformer Co 10/11	To Wash--Re assignment of type numbers.10/3
		To Marconi Co--10/11	To F irms--Assigns type numbers.10/3
		To Sperry Co--10/11	To Weston Elec Co--Fwds bulletins.10/3
		To Western Elec Co--Reqt certain infor. 10/11	To Phila--Reqt Vandykes of rotary spark gap be fwded to Bu. 10/3
		To Roller Smith Co--10/11	To Aero Sta--Fwds bulletins.10/3
		To Nat'l Elec Sup Co--Reqt information. 10/11	To Roller Smith Co--10/4
		To Amer R&R Corp--Assigns type numbers. 10/12	To Fed Co--Fwds drawings with comment.10/4
		To Cutting & Washington--Reqt certain information.10/12	To Fed Co--A ddition and modifications.10/4
		To M.R.Hutchinson--10/12	F. Lowenstein 10/4
		To F.Lowenstein--10/12	W.F.Murdock-fwds prints.10/5.
		To Crocker Wheeler Co--10/12	Wireless Spec App Co 10/5
		Sperry Co 10/13	Amer Transformer Co 10/5
		Phila fwds prints 10/11	Amer R&R Corp gives source of supply of individual items that make up 2 kw transmitter 10/8
		Phila fwds prints 10/11	Roller, Smith Co submits comments (2 letters) 10/8
		Marconi Co 10/11	M R Hutchison fwds vandykes, description and instruction sheets covering design of storage batteries 10/2
		Marconi Co 10/15	To De Forest Co--A ssigns type numbers.10/8
		NY request approval of number assigned internal combustion generating units 10/15	To Wireless Spec Ap Co--10/8
		Marconi Co request type number for switchboards 10/16	Phila--10/8
		To Firms--Re type numbers.10/17	Crocker, Wheeler Co 10/8
		Amer Transformer Co 10/18	Natl Elec Signalling Co 10/9
		To Western Elec Co--Assigns no.10/16	Kilbourne & Clark Co fwds instruction books 10/5
		To Western Elec Co--Ditto.10/16	Manhattan Elec Sup Co (2 letters) fwds prints of buzzer and operating key 10/10
		To Forts--Fwds type number bulletins. 10/16	Century Telephone Construction Co believes unnecessary to submit additional plans 10/9
		To Firms assigns type numbers.10/18	To Dubilier C ondenser Co--10/9
		F. Lowenstein 10/19 Bost 10/20	Wireless Spec App Co request confirmation of protective devices called for 10/10
		Marconi Co 10/19	Weston Elec Instr Co 10/20
		De Forest Co 10/19	NY 10/22 Weston Elec Inst Co 10/23
		To Marconi Co--10/20	Amer R&R Corp 10/23 Sperry Co 10/23
		E.J.Simon 10/24	

CARD 143

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APPARATUS.

Number.	Date.	From or To—	Subject.
249634	9/14 9/17	Marconi Co Wash	Submits bills on various contracts and request payments be expedited.W Fwd Brook—9/18 RB 10/18 Fwd Wash—10/27 RB 11/8
249655	9/17	NY	Jigs for 1 and 10 kw spokes; fwds yandykes.W To—Appvs drawing with modif.10/1 NY joints for jigs for 1 and 10 kw spokes; fwds vandykes 10/18 NY fwds directionsfor 1, 2 and 5 kw spokes 1 0/30
249134	9/15	To S&A	Reqt shipt of trans set from Phila to Wash.W
250063	9/19	E. J. Simon	Requisitions 72 and 658; states have not ~~been~~ yet received contracts; request be expedited, in order to secure material.W To—9/22
250220	9/18 9/20	Sperry Co Wash	States have not yet received contract covering radio transmitting sets, requisition 100.W
250547	9/13	M Is	Electrose for arc sets; fwds table showing variation and diameter.W To—Comments on. 9/28 M Is 10/19
231579	SEE CARD L129 Fwd Sol—10/18 RB 10/25 To Sol——11/10 To NY—11/10		To Western E lec Co—Fwds draft of lease covering Montauk Point, for execution. 9/22 Western Elec Co lease covering their plant at Montauk Point; suggests certain changes in 10/15 CARD167
251145	9/24	Natl Elec Sig Co	Cancels all outstanding quotations and submits revised price list .W To—Acknowledges.9/28

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
251163	9/26	To Phila	Reqt Vandykes and prints of latest revision of Rotary spark gaps. W Phila fwds prints 1 0/8
205023	SEE CARD 96	Boston-Progress report.10/10.W To Bost--Submits form to submit report in.10/13 M Is progress report 10/11 Pug Sd 10/10 To N.Is. via S&A--Appvs est with modifications.10/15 To NY--Ask for status of.1/11	To NY--Reqt report of progress of manuf of radio apparatus on orders 3 and 5 assigned to NY. 9/27 To Bost--D itto for orders 3, 4 5 6. 9/27 Bost-(T) Fwd radio order numbers today. To Yards--Reqt reports of progress of manuf on different radio orders. 9/28 Bost 9/29 NY request action 1-30 Phila fwds progress report 10/3 NY 10/8 NY 1-26
251641	9/28	To NY	Bu has decided to take over numbering of contrs prints in the co-ordination plan. Fwds prints, and reqts certain information along these lines.W
251732	9/28	To Bost	Semi-monthly ratio report. Statement of availability unassigned radio apparatus. Reqt infor re disposition of apparatus. W Bost 10/8
251740	9/28	To Wash via Comdt	Arc radio sets purchased from Fed Co. Instrns in connection with disposition of. W
251992	9/28	Marconi Co	Gives list of requisition and contract numbers and request be advised if same are correct; covering apparatus which they are to manufacture.W To--Returns correct.10/2

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
232688	SEE CARD 134		
		To Yards & Firms—Assigns type numbers. 9/24	
		Fed Tel Co recommends changes in type numbers assigned 9/20	
		Phila unable to identify wave change type from numbers quoted; suggests type numbers be changed in the semi-annual radio reports. 9/24. Filed under-249472-828.	
		To Electrose Insulator Co—Assigns type numbers. 9/26	
		Western Elec Co request additional copies 9/25	
		Marconi Co will furnish H-C motor generators 9/27	
		Triumph Elec Co. 9/26. W	
		To Roller Smith Co—Modifies type numbers. 9/27	
		To Yards & Firms—Assigns type numbers. 9/27	
		Natl Elec Supply Co-9/27. W	
		Pensacola-9/25 W	
		DeForest-9/27. W	
		To K&C Co—9/28	
		American Transformer Co 9/29	
		Phila-Fwds prints/9/26. W	
		To Weston Elec Instr Co—Assigns type numbers. 9/29	
		To NY—9/29	
		To Phila—Directs make complete prelim design for switchboards. 9/28	
		To Weston Elec Instru Co—Reqt certain blueprints. 9/28	
		Ward Leonard Elec. Co—Fwds blueprints. 9/26. W	
		Century Telephone Co 9/28	
		Dubilier Condenser Co 9/30	
		Roller Smith Co-9/29. W	
		Roller, Smith Co 10/2	
		To Locke Insulator Co—9/12	
		To F. Lowenstein—9/12	
		To Firms—Assigns type numbers. 9/12	
		NY fwds 84 prints. 9/12	
		The Locke Insulator Co - request action 9/13 W	
		Phila 9/13	
		9/13, WestonInstr Co	
		Kilbourne & Clark Co 9/11	
		Wash fwds prints 9/14	
		To Wash—Assigns type number. 9/13	
		To Yards & Firms—Assigns type numbers. 9/13	
		NY fwds vandykes 9/16	
		To Firms and Yards—Assigns type numbers and nameplates for apparatus. 9/14	
		To Cutler Hammer Co—Reqt detailed description of drawings, etc. 9/17	
		To Yards & Firms—Assigns type numbers. 9/17	
		Generator Radio Co 9/15	
		Fed Tel Co 9/12	
		Phila 9/16	
		Weston Elec Instr Co 9/18	
		Sperry Co 9/19	
		To Fed Co—9/20	
		To E. J. Simon—9/20	
		To Wireless Improvement Co—Assigns type numbers. 9/20	
		NY lightning switch; fwds drawings 9/21	
		NY remote control antenna switch; assignment of type numbers 9/21	
		T o Phila—9/21 (2)	
		To Dubilier Condenser Co—Assigns type numbers. 9/21	
		To Weston Elec Inst Co—9/21	
		Phila gaps; fwds photostat copy 9/22	
		Phila fwds switchboard drawing 9/22	
		H-C Co reassignment of type numbers 9/22	
		To Locke Insulator Co—9/24	
		To De Forest Co—Assigns type number. 9/24	
		To Century Tel & Constr Co—Ditto. 9/24	
		Phila 9/22	
		F. Lowenstein 9/24	SEE CARD 139
		To Yards & Firms—Assigns type numbers. 9/25	

N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
248301	9/12	To M.Is. See 136	Lists drawing materials which Bu has directed various yards to fwd to Yard. W To NY—Lists tracings sheets and directs fwd to M.Is. 9/13 MIS (T) drawing material reqd 2/11 - W To NY- Radio tracing clothe-4-29
249088	9/10 9/13	Interior Dept Communications	Request Navy transfer an obselete radio transmitting set for use of Bureau education in Alaska; understands Navy has obselete set at M Is - W To Pug Sd—(T) 9/17 Pug Sd (T) states can assemble old sets for Bureau of Education 9/20 To Pug Sd—(T) Auth issue.9/22
		Fwd Nav Com—9/22 RB 9/27 To Pug Sd—Auth issue to W.T.Lopp trans set.9/28 Pug Sd 10/6 Wash Yd—fwds supplementary report on test of 1/2 kw	
249406	9/15	Amer R&R Corp	1/2 kw motor boat set; are shipping to Radio Test Shop for test.W To Wash—Fwds copy of above letter. Instrns re test.9/18 Wash fwds copies of report on 1/2 kw rotary gap submitted by the Amer R&R Corp 10/19
		To—Fwds copy of report of test.10/27 Washn Yd-fwds supplementary report on test of 1/2 kw rotary gap set submitted by American R&R Corph.11/15.W To—Submits report on set.11/22 To Wash—11/22	
249441	9/13	Chasn	1/2 kw radio sets; request information concerning assignment of; gives assignment of portion.W To—Fwds list of sets that have been shipt.9/18
249517	9/15	Wireless Improvement Co	50 1/2 kw Simon type radio transmitters, to be manufactured by American Telegraph Typewriter Co for the Wireless Co; request sample in connection with manufacturing W Co recommends proposal be changed to read that sets shall be interchangeable with those furnished by E.J.Simon 9/19 To NY—Fwds letter , and directs make loan.9/20-RB 9/29 To—Cannot auth any delay in manuf of sets .9/24 Wireless Improvement Co 9/26

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[OVER.]

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APPARATUS.

Number.	Date.	From or To—	Subject.
247963	9/6	Natl Elec Sig Co	5o 1½ kw radio sets, requisition 130; have not received copy of contract nor instructions relative to type of power unit.W To S&A Reqt fwd company contr.9/8 To 9/8
248103	9/8	Natl Elec Sup Co	Request type numbers covering apparatus on various contracts covering short wave receivers and 1/2 kw boat sets.W To Lists type numbers assigned.9/14
248051	9/8	To E. J. Simon	Use of cyprus wood for miscellaneous spare part boxes is satis, instead of oak. W
248235	9/7	Marconi Co	Writes in detail relative to expected deliveries of various radio apparatus during present month.W To 9/12 To Copely Co Ask when engine driven set on contr will be ready for delivery. 9/12 Marconi Co 9/14 Copely Mfg Co 9/20
248293	9/10	To NY	Reqt fwd Vandykes to Bu, as listed. W NY fwds vandykes 9/21
248294	9/10	To Marconi Co	Reqt print or sektch showing overall dimensi ns and holding down bolt holes of 2 K.W. gasoline engine driven sets. W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
248318	9/10	To M. Is.	Reqt that completion of two 20 KW arc radio sets be rushed. W M Is gives reasons for delay 9/28	
248415	9/10	Amer R&R Corp	Fwds photographs of standard apparatus manufactured by them with particular reference to the Cerusite detector stand and antenna reel. W To—9/15	
248301	8/30 NY fwds 10/17 To NY—3/4 NY - Lists tracing cloth fwded Mare W 4-23	M Is See 137	F and A sheets tracing cloth; request delivery of be expedited. W NY-fwds tracing cloth. 9/27. W Is M Is 9/24 To NY—10/9	
248255	9/11	To Firms	Fwds Bulletin RE 15A 1010, with instrns re submitting Vandykes of everything, instead of blueprints. W To Yards—Ditto. 9/12 Century Telephone Construction Co head telephone set; submits prints 9/13	CARD 139
		To C&C Mfg. Co—Fwds certain bulletins with comment. 9/17 To Roller Smith Co—9/21 Sangamo Elec Co calls attention to letter of Aug 21 sending vandykes and negatives 9/20 To Sangamo Elec Co—9/25	Roller-Smith Co 9/14	
248816	9/10	Wash	20 kw arc set transmitters; fwds complete set of vandykes. W To Wash—Returns Vandykes. 12/11	
248484	9/14	To Coast Guard	Radio apparatus, shipment of. Gives action in connection with.	727

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
246618	8/29	E. J. Simon	States Mr Walter H Pumphrey will call at Bureau, in connection with radio apparatus, as business representative.W
246849	8-29	Wash	Fwds miscellaneous radio prints.W
246911	8/30	NY	Fwds radio drawings.W
246989	8/30	Wireless Spec App Co	Request that clause that liquidated damages do not apply be placed on all their contracts.W To— Penalty clause eliminated.9/5
246671	9/1	To European Force	Fwds drawing and allow books as listed. W
246988	9/1 Phila fwds drawings 10/8	To S&A	Reqt shipt of trans set from NY to Phila. W To Phila--Appvs install on MAY RANT. 9/1 Phila fwds print covering Lowenstein set being installed on MAYRANT 9/20 To Phil --Drawing appvd.9/25 To Phila--Reqt vandyke of radio room on MAYRANT be fwded.9/26
247382	8/31	Fed Tel Co	Licenses for small sets; agrees to license other companies, upon request from Bureau.W To—9/5

N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
247394	9/5	To Chasn	Re error in assignment of type numbers. W
247480	9/5	To C&R	TEXAS. Break in fire main in radio room. Advisable not to have any water pipes passing thru radio room. W
247730	9/6	Natl Elec Sup Co	Request type numbers be assigned to orders listed.W To--Lists type numbers.9/14
247571	9/6	To Wireless Spec App Co	Fwds drawing showing form of jig used at NY for cutting off spokes of 2 K.W. inductance coils to the proper length. W
247662	9/6	To Dept via Gunnery Exercises.	Fire control by radio in Battleship Fleet. British are using. Ask if wish to put install in any of our ships. W (Cross to 647) Dept--9/26
247876	9/7	To Wash	Reqt for Vandykes of drawings showing latest revision of RW 66AA 108A. W

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[OVER.]

N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
246348	8/29	To Bost	Drawings of #2 and #5 auxiliary hand keys. Instrns re changes in. W Bost fwds prints 9/8
246349	8/29	To Panama Canal	Fwds copy of latest revision of specns for Radio transmitters. W ~~To Purchasing Dept, Panama Canal--Ditto.8/29~~ Panama Canal 9/7
246452	8/29	To Ports	Ask disposition made of Quenched spark gap, ~~ex-VULCAN~~. W RE 9/6
237403	SEE CARD 129 NY fwds copy of letter from Treas Dept allowing delivery free of duty 9/14		To P.C. Schnitzler--8/29 Schnitzler expect to have 5 additional sets by first of Sept 8/29 Treas Dept 9/1 To NY--Fwds letter from Treas Dept. 9/8
Bu 76	8/29	Fwd S&A	Instrns sets for radio operators. Rec of award.WR
246790	8-30	F. Lowenstein	Fwds vandykes TD-454-A.W
246612	8/30	To Phila	Reqt for drawings of. W Phila 9/9

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
245722	8/27	To S&A 16	Reqt shipt of buzzer blinker instrn sets from Wash to ships. W
246080	8/25	NY To Phila—Instrns re specifying machine screws in radio drawings. 12/27	Fwds copy of letter from Lowenstein requesting type, form and classes of apparatus on 4 contracts.W To Phila—Appvs changes suggested above.9/28 Phila rotary spark gap;~~unit~~ comments on proposed changes 11/2
246139	8/27	Norf	Fwds set of plans.W
246294	8/28	Natl Elec Sig Co	50 simplified type radio sets for motor boats; request contract and requisition for.W To NY—Reqt copy of contr 130. 8/30 To—8/31 NY 9/1
246274	8/26	Phila	Fwds miscellaneous radio drawings.W Phila 9/9
232688	SEE CARD 132 Dubilier Condenser Co 9/4 To Weston Elec Inst Co. 9/5 To Firms—Assigns type number.9/5 Amer Transformer Co 9/5 To Yards & Firms—9/6 To firms—9/7 F. Lowenstein 9/7 Fed Tel Co request prints 9/6 Manhattan Elec Sup Co 9/10 To Western Elec Inst Co—Assigns type numbers.9/11 Bost fwds key contact prints with type numbers added 9/10 Phila 9/11 (2)	To Crocker Wheeler Co—Assigns add'l type numbers.8/29 To F. Lowenstein—Assigns type numbers.8/29 To F. Lowenstein—Lists nameplates applying to apparatus. 8/30 To Amer Transformer Co—Assigns type numbers.8/30 To Gen Radio Co—8/30 Crocker Wheeler Co 8/30 To Yards Firms—Assigns type numbers.8/31 NY fwds antenna switch plans with type number added 8/31 Locke Insulator Co fwds drawing with type number added 8/29 CARD 137 To Phila—Assigns type numbers.9/1 Phila gives time required for making revisions of drawings 8/31

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APPARATUS. 1917

Number.	Date.	From or To—	Subject.	
245173	8/23	To Bost	Radio apparatus for merchant vessels, and chasers. Gives disposition of 1/2 K.W. trans sets under reqn 659 from Wireless Spec Ap Co. W T o S&A—Reqt shipt of trans sets from Bost to Yards for. 8/23	
235241	8/23	To NY	Gives disposition of trans set purchased on contr 340. W To S&A—Reqt shipt of receivers and trans sets from Wash and NY to Norf for M.S hips and cchasers. 8/23 To Norf—Fwds copy of letter to NY. 8/23	
245517	8/22	NY	Spare part boxes for 1/2 kw Simon set. recommends permission be given to deliver oak spare part boxes. W To—Appvs. 8/28	
223268	SEE CARD 112		Fwd Phila—F or recommendation. 8/24 RB 9/17 Phila 9/12	
245795	8/25	Sperry Co	Motor boat transmitter; reports relative to deliveries of W	

N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
245537	8/25	To S&A	Reqt shipt of trans sets from Phila to Norf for Onward. W (Cross to SP)
245654	8/25	To S&A	Reqt shipt of trans sets from NY to Pug Sd for merchant vessels and chasers. W T o--Ditto to Y ards. 8/25 To NY--Gives disposition of trans sets on reqn 71, from Marconi Co. 8/25 M Is reqt copy of contract 9/11 To M.Is.--9/18
245655	8/25	To S&&	Reqt shipt of receivers from Wash to Phila
245695	8/25 NY 11/12	To NY	Die cast parts for 1,2, 5 and 10KW loading coil units. Directs prepare proprietary reqn for construction of dies for casting, to be purchased from Doehler Die Casting Co. Object is to decrease cost of. W NY fwds prints for use in connection with manufacturing die cast parts 10/23 To NY--Lists drawings appvd. Directs have company manuf dies.10/27
246052	8/27	Natl Elec Sup Co	Request type numbers for material on 650 contracts.W

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[OVER.]

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APPARATUS.

Number.	Date.	From or To—	Subject.
244762	8/20	To Wash	Purchase of arc bushings from Fed Co. If need more bushings can now secure them from Fed Co at below production cost. W
245089	8/21	Marconi Co	Request payment for 4 1/2 kw sets delivered in June and shipped to Phila.W To S&A--Fwds copy of above letter for action.10/2
244911	8/21 8/22	To S&A	Reqt shipt of trans sets from NY to Yards for merchant ships and chasers. W To NY--Gives disposition of Trans sets.8/21 To S&A--Directs cancel shipt reqt of Aug 22nd.9/1 NY request disposition 9/13 To NY--Instrns re distribution.9/18
To--Reqt shipt order of 8/22/17 be cancelled.1/9 To NY--1/9 To NY-cnacellation shipment order covering transmitting sets from NY to Charleston--5-2 Shipment order 5:2 received back 5:13			
244962	8/21	To NY	Radio sets purchased from NY Patents Exploition Co. Directs retain at NY for further disposition. W
245178	8/7 8/22	Atlantic Communication Co S&A	Request be reimbursed for royalties on material furnished under requisition #10, covered by the Seibt patents.W Fwd S&A--8/27

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
245276	8/22	Amer R&R Corp	Motor boat sets; asks if test of their units cannot be made at once, without waiting for the shipment of Copely unit. W To—8/24
244784	8/22	To Firms	In future will issue radio specns only to branch offices only on request from main of home office of branch. W Cutler, Hammer Co 8/23 Weston Co gives their interpretation 8/27
245090	8/22	To NY	Disposition of 50 1/2 K.W. Simon radio trans sets under reqn 658. W To S&A—Reqt shipt of trans sets from NY to Norf for M.Ships and Chasers.8/22 To Yards—Fwds copy of above letter.8/23
		To S&A—Reqt shipt of trans sets from HY to Yards. 8/23	
670	8/22	New Orleans	Reports radio apparatus overdue and urgently required. 629
245525	8/20	R H Armstrong	Offers 2 2 kw sets for sale; submits photos. W To Pug Sd—Directs inspect.8/24 Pug Sd submits report on sets of the Smith Cannery Machine Co 10/17 To Smith Cannery Mach Co—10/27
232688	SEE CARD 130		To Firms—Directs co-operate with Bu to fullest extent in regard to type numbers. 8/23 To De Forest Co—Assigns type number. 8/22 To Weston Elec Instru Co—Assigns type numbers to instruments. 8/24 To Yards—Assigns type numbers.8/25 (See 245888-893) NY fwds prints with type numbers assigned 8/25 Weston Co relative to type numbers to be assigned meters 8/25 De Forest Co gives number will etch on glass tubes in future 8/27 CARD 134
		NY fwds print showing assignment of type numbers to antenna switches, etc 8/25 To Yards—Re assignment of type numbers.8/27 Natl Elec Signalling Co 8/27 Weston Elec Instr Co 8/28 Phila fwds prints 8/26 To Marconi Co—Lists names plates to be attached to transmitters.8/28 To Marconi—Fwds list of type numbers.8/28	

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M R Hutchinson submits descriptions, vandykes, photographs and instruction sheets 8/28 NY fwds vandykes 8/28

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APPARATUS.

Number.	Date.	From or To—	Subject.
243547	8/8	Fed Tel Co	Method of removing alcohol in kerosene supply from the switchboard; fwds duplicate blueprints.W To--Detailed comments on.8/28 Co 9/11 To--Appvs Hydro-carbon feed system shown on drawing.9/18
243843	8/13	Manhattan Elec .Sup Co	Request be placed on list as manufacturers actually engaged as manufacturers of radio apparatus for government; states intend to make up samples for test.W To--8/21 Co 8/23 To--Gives action taken.9/1 To Wash--Instrns.9/1
224311		CARD 114	8/13 Manhattan Elec Sup Co fwdsprint of their #77 radio buzzer 8/13 To Manhattan E lec Sup Co--Assigns type number to radio buzzer.8/20 Manhattan Elec Sup Co 8/21 Manhattan Elec Sup Co 8/23 To Manhattan Elec Sup Co--9/13
243645	8/14	To NY	Gives disposition of of trans sets, that are to be supplied various yards for install on chasers and vessels taken over. W To Yards--Fwds copy of above letter.8/16 To S&A--(8) R eqt shipt of radio apparatus from NY to Yards for Chasers and merchant vessels. 8/17
243868	8/12	NY	Fwds miscellaneous radio vandykes.W

To S&A Reqts. tracer on shipt. 7/31

N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
244027	8/15	Marconi Co	Contracts for radio equipment; gives list of material on hand and request payment for amount .W To S&A—Fwds above reqt for action.8/16
244217	8/15	Wash	Fwds various radio drawings.W
244235	8/16	Amer R&R Corp	States will ship completed motor boat set next week; request Cowely Co be directed to ship generators.W To—Reqt hold up test for awhile.8/18
244031	8/16	To S&A	Reqt shipt of receivers from W ash to M.Is .W To NY—Lists radio sets assigned for stock at NY.8/16 To M.Is.—8/16 To S&A—Reqt shipt of receivers from Wash to NY. 8/16 To S&A—Reqt for amendment of shipping reqt.10/22 To S&A—Reqt cancel order of 8/16. 12/17 Shipment order 3;11 received back 7;3
		To S&A—Reqt shipt of trans set from NY to Bar Harbor.3/11 5th Dist-Ask probable date of shipment of transmitters.W 3-31 To S&A—Reqt shipt of apparatus from Wash to Bar Harbor.4/2 To Bar Harbor—Fwds Booklets.4/16 Shipment order 5-2 RB 5-4 S & A 5;21	
231427	SEE CARD 119		To NY—Reqt fwd certain drawings to Bu. 8/20 See 231427-905. To NY—9/15 NY(2 letters) fwds prints 10/1 To NY—Gives action on prints.10/3 To NY—Instrns re alterations to prints.10/15 To NY—Comments re errors in drawings.10/9 NY fwds prints 10/20 NY 11/12 To NY—12/29

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APPARATUS.

Number.	Date.	From or To—	Subject.
242605	8/8	To NY	Radio sets assigned for install on Chasers and merchant vessels taken over. Directs retain trans sets on contr 30029 at NY. W To S&A--Reqt shipt of receivers from Wash to NY for. 8/9
231358		CARD 119	Wash recommendations for specifications for radio transmitters 8/8
242213	8/9	To Yards	Spare parts of radio apparatus for vessels taken over, and submarine chasers, equipped with radio sets/ Fwds copy of circular letter in connection with. W
	To 13 Dist via Pug Sd--9/1 To NY--9/5		
	Pensacola relative to spare parts for radio sets for chasers. SP boats and vessels taken over by government 9/15 To Aero Sta--Submits infor re spares. 9/28 Parts 10/2 NY 1-22		To--Submits list of spare parts. 8/14 To Yards--Further instructions in connection with. 8/17 BELOW NY fwds letter from Natl Elec Signalling Co dated Aug 13, relative to furnishing spare parts for engines and other apparatus 8/25
242706	8/9	To S&A 4	Reqt shipt of trans sets from NY to Yards for chasers and merchant vessels. 8/9
	Bost-T-Ask number to be shipped to Phila. W 3-29 S&A 4-25 W To Bost--(T)4/1 Bost (T) Request shipment order # for shipment to Phila, etc 4/20-W To Bost--(T) 4/22		To NY--Re disposition of trans sets. 8/10 To S&A--14--Reqt shipt of apparatus from Bost to Yards for Merchant vessels and chasers. 8/11 To Bost--Gives disposition of trans sets. 8/11 To Yards--Fwds copy of above letter. 8/11
243220	8/10	Wireless Equipment Co	Request be placed on list for furnishing radio equipment. W To--Acknowledges. 8/13
242213		ABOVE	Pug Sd request approval of requisition 159 for spares, Kilbourne & Clark sets, as originally submitted 10/30 To Pug Sd--11/10 To NY--Fwds copies of letter of Aug 27th. 1/17

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
	To Yards & Firms--Assigns type number.8/22		Sangamo Elec Co 8/21	Marconi Co 8/22
232688	SEE CARD 122		To Amer R&R Corp--Fwds bulletin giving instrns re issue of type numbers to apparatus appvd as standard. 8/9 To Firms--Ditto. 8/20 To Firms--Assigns type numbers to apparatus appvd as standard.8/10 Century Telephone Construction Co 8/10 To Yards & Firms--Assigns type number to apparatus.8/11 Bd letter of Aug 6 RB from Bost 8/24 To Firms--Assigns type number.8/13 Triumph Elec Co 8/13 Have recently made reqn for two trans sets complete. W	CARD 132
	To Firms--Fwds copy of bulletin relative to issue of type numbers. 8/14 Nath Baldwin 8/11 Weston Elec Instr Co 8/15 To Triumph Elec Co--Assigns type numbers.8/16 To Firms--8/20 To N. Baldwinn--8/21 To Firms--Assigns type number.8/21			
243149	8/10	To Fed Co		
243386	8/11 To--9/5	Manhattan Elec Sup Co	Instruction radio sets; quotes price of and request information relative to name plate data.W To--Assigns type number.8/21 Co reports shipment of 2 complete sets to Washn; will ship balance as per letter of Aug 21st 8/27	
243394	8/10	NY	Fwds 42 radio drawings.W	
243442	8/9	NY	Assignment of radio class numbers; recommends each yard be assigned 10 type numbers to cover various types of radio apparatus.W To--Disappvs with comment.8/20	
243308	8/11	To Wash	Expresses satisfaction over completeness of Yard radio report. (Cross to Wash Yd)	

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[OVER.]

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APPARATUS /

Number.	Date.	From or To—	Subject.
	To Wash—10/18		Norf 10/9
241838	8/1	To Yards	Instructions regarding manuf of radio drawings from designs made in Navy Yards. W
	Norf 30 kw high speed arc relay, resistance type; fwds plan; reports on operation of; reqt auth to manf 9/25		Pensacola request further information 8/17
			To Pensa—Gives information.8/27 Norf - Fwds vandykes 7:30
	To Norf—Appvs manuf of 30 KW arc relay. 10/4.		To Norf.Reqts.ket fwd.to Wash. 7/10
	To Sec Treasury—(Sec Sig—Reqt NY Exploit Co be auth to deliver sets to NY free.8/25		
	To NY Patent Exploitation Corp—Directs proceed with repairs to radio sets.8/25		
237405	SEE CARD 124		To S&A—Reqt shipt of trans and rec sets from NY to Bost and Phila. 8/2
	NY fwds inventory of apparatus of one radio set delivered by the NY Patents Exploitation Co 8/16		To NY—8/2 CARD 134
			To NY—Disposition of trans sets. 8/2
	To NY—Repairs auth.8/18		To NY—8/4
	To NY Patent Exploition Co—Comments re results of tests of apparatus.8/21		To S&A—8/4
	NY Patent Ex Co 8/24 / Schnitler -		NY 8/14
241797	8/3	To European Force	(T) gives dates on which sets will be delvd 8/29 W
			Fwds package containing descriptions of radio equipment of vessels. W
242129	8/3	Washn	Fwds radio drawings.W
242166	8/4	F. Lowenstein	Fwds miscellaneous radio plans .W
233638	6-13	NY	Fwds type plan showing pneumatic tube for flagship;battleship and Scout Cruisers. 768
	Fwd Sol—9/11	RB 8/21 To NY—Fwds prints.9/13	To Western Elec Co—9/18 Fwd Sol—9/18
231579		CARD 119	RB from Dept (Bu end July 28); gives permission to establish 1/2 kw stations at New Haven, Conn, Montauk Point, Long Island and Barnegat, N.J. 8/7
	To Western Elec Co—Re taking over station at Montauk Pt.8/30		
	Newport - (R) recommends radio set be assigned for Block Island and Bar Harbor 8/31 W		To NY—Instrns re installation.8/10
	To Newport—(T)Sets will be shipt Sept 1st. 9/1		To S&A—Reqt shipt ofradio apparatus from Wash to NY for installation at various points.8/14
	To Bost—9/5 West Elec Co 9/7		Communications instructions for operating set erected at Bar Harbor Section Headquarters 8/21
	To NY—Instrns.9/22		CARD 138

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
242362	7/31	Federal Co	Reports on arrangements with GE Co to manufacture their arc sets in the East; also relative to prices, profit, etc.W To—Detailed comments on.8/6
242093	To New Orl—1/2 To E.J.Simon—9/12 8/6 To Yards To Bost 8/24 Bost 9/3 SEE CARD 226 To E.J.Simon—(T)Ask date of shipt of set to Norf for Panama Canal.9/11 Simon (T) material shipped 8th 9/12	To Phila—Instrns re reports.9/21	Norf 10/2 Semi-monthly Radio reports to include a report of all radio trans. receivers, etc., actually on hand. W Norf-Fwds stock cards. 4;26 To Norf—Ask where 3 5 K.W. transformers were received from. 8/24
242199	8-6	To S&A	Reqt shipement of radio apparatus from Wash to Yards for Coast Guard Cutters. 704
242637	8/8	GE T	Requisition 436, 16 radio sets; request contract number.W To—(T)Gives number.8/9
242676	8/7	National Elec Sig Co	1/2 kw motor boat sets; intend to furnish; will be interchangeable with outfits on contract 30039, with exceptions noted.W To—Comments on.8/14
242604	8/8	To S&A 6 1-2-6 771	Reqt shipt of radio apparatus from Yards to Yards for Chasers and Merchant vessels. W To NY—Re disposition of transmitting sets for chasers.8/8 To Wash—Gives disposition of receivers on contr 30115. 8/8 To S&A—Reqt shipt of receivers from Wash to NY. 8/9 To Yards—Fwds copy of SE letter.8/10 To S&A—(6)Reqt shipt of Receivers from Wash to Yards for chasers and merchant vessels.8/10

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[OVER.]

APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.
241331	7/30	S&A	Directs Wash ship 2 radio buzzers to Norf W
241365	7/30	Natl Elec Signalling Co	50 additional half kw radio sets for motor boatw; request contract and requisition number in order to secure earlier delivery of material.W
241251	7/30	To NY	Request for prints of radio telegraph. W NY fwds radio drawings 8/10
241485	7/27	Dept VOID	Copy of report of Board on Acceptance Trials of Dirigible A-235, contract 29259.DA
241284	7/28	Sperry Co	200 watt emergency gap transmitter; submits quotation and specifications.W
241545	7/31	Natl Elec Sig Co	Request formal contract covering 50 additional 1/2 kw sets for submarinechasers.W
241530	7/31	Amer R&R Corp	Reports motor boat direct current set will be in perfect condition very shortly; reports on distance test.W To--Will test at Wash.8/6

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
241450	7/31	To GE	Delivery of radio apparatus being manufd by GE Co for F ed Co. Re inspection of. W GE 8/17
241456	7/31	To GE Co	Lists corrections which will be made in Errata Sheet , giving corrections for arc specns. W
241707	8/1	Western Elec Co	Radio sets for motor boats; fwds book of instructions; states book and key were both packed in spare part box.W
240176	7/31	To NY	Directs prepare plan showing and listing all apparatus which is to be installed in conning tower.W To—Standard plans for installation of apparatus in battle radio room. Instrns in connection with modifications of. 7/31 NY fwds vandykes 9/17 NY fwds vandykes 9/17 To NY—Appvs drawing with modif.9/28 NY fwdsplans 10/16
		To S&A—Reqt order 8/1 be cancelled.1/30	
		To Frisco—Makes allott.12/13	
240321	8/2	To S&A 5	Reqt shipt of instructions sets from Wash to Ships. W To S&A—Ditto for Grt Lakes.8/3 To—Reqt shipt in instrn sets from Wash to M.Is. and Bost. 8/4 San Fran Training Sta 11-3
		To S&A—Reqt shipt of Instrn set from Wash to OKLAHOMA. 8/11	
		To S&A—5—Reqt shipt of instrn sets from Wash to ships.8/21	
241832	8/2	To A. S. Kuhn	Bu has already made arrangements for purchase of radio apparatus required. W
241836	8/2	To Phila	Standard plans for torpedo boat destroyers. Directs modify to show install of long and short range receivers. W
		Phila fwds vandykes 8/24	

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[over.]

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APPARATUS.

Number.	Date.	From or To—	Subject.
238451	7/23	To Wash	Buzzer instruction sets. Atl Fleet. Fwds sketch, and ask if consider change recommended desireable. W
239868	7/23	To Pug Sd	Inspection of radio apparatus. Kilbourne & Clark Co. Directs keep in touch with company. W To Kilbourne & Clark Co--Fwds copy of above letter. 7/23
240780	7/23	Atlantic Communication Co	States will call at Bureau July 31st or Aug 1st.W
240537	7/24	Wash	Fwds report on test of Cutting & Washington's 6-volt emergency radio set.W To Cutting & Washn--Quotes report of test.7/27
24 0544	7/20	Sperry Co	Short range radio set; relative to test of.W To--Reqt fwd sample to Wash.7/25
240543	7/2	Pug Sd	Fwds reports of test of effect of radio apparatus on standard ship compass.W (Cross to compass and grounds) To--Directs fwd copy of report to Naval Observatory, Wash.7/27 To C&R--7/27 NY 1-6 NY fwds additional vandykes 1-16 Bost 1-22

NB—0120

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
240579	7/25	E. J. Simon	Fwds explanation in detail covering charge of royalty of $100 per set to firms manufacturing 1/2 kw sets of his design.W
240208	7/25	To S&A 7	Reqt shipt of buzzer blinker radio sets from Wash to Yards. W To S&A—Ditto.7/26 (3)
240544	7/25	To Sperry Co VOID	
240480	7/27	To Atl Communication Co	Tuesday or Wed of next week satis for conference with Bu. W Co Mr Frank will be at office Aug 1st for conference 7/30
240984	7/28	To Kilbourne & Clark Co	T Reqt quotation on eight 1/2 K.W. commercial radio sets. W Kilbourne & Clark Co (T) quotes price and time of delivery 7/28 To—(T) Gives action .7/30
241152	7/23	H. T. Cottam & Co	Offers radio sets for sale.W To New Orl—No use for.8/2
241018	7/28	To NY	Drawing of standard plan of bridge radio station. Instrns in connection with modifi of. W NY fwds vandykes 9/17

NB—0120

[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
239035	7/17	E. J. Simon	States is now in position to duplicate order for 50 120 volt and 10 80 volt 1/2 kw radio transmitting sets; quotes price.W
239256	7/18	Natl Elec Sig Co T	Quotes price for 1/2 kw radio transmitting sets, Simon type.W
239481	7/19	Fed Tel Co T	10 20 kw arc radio transmitters; request instructions whether to ship by freight or express.W Fwd S&A—7/21
239532	7/11	E. J. Simon	States has mailed proposal for 60 radio sets to NY and submits information relative to prices quoted.W To S&A—Rec accept of proposal.7/20
239674 ~~239649~~	7/20	Marconi Co	States shipped to Phila 4 1/2 kw radio sets of cargo type; quotes price.W To—7/26 Co 11/16 To—Referred to S&A.11/23
239649	7/18	Bost	Request be furnished with radio report paper as per sample.W ~~To Wash—Reqt fwd.7/24~~ ~~To—Gives action.7/24~~
239712	7/20	NY	Booklets of Marconi 2 kw and Lowenstein 5 and 2 kw.W

To S&A—Recommendations re payment. 11/24

NB—0120

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
239697	7/20	Wash	Radio prints; fwds.W
239765	7/3	3rd Nav Dist Supt	Trench and buzzer sets manufactured by the Western Elec Co; reports on test of.W Fwd Marine Corp--7/21 RB 8-13 Marine Corp 8/13
239982	7/20	National Elec Sig Co	Submarine chaser radio sets, additional; confirms telephone conversation and price.W To--Quotes advance copy of reqn.8/3
239922	7/20	Marine Corps	Spare parts for radio set, Phila Advance Base; request.W To S&A--Reqt shipt of apparatus from Wash to Phila for Marine Corps.7/28 To--Gives action.7/31
239994	7/18	NY	Fwds radio drawings.W
240000	4-6	Federal Tel Co	Rel to specification for arc radio set.W
240004	4-24	Federal Tel Co	Extract for laboratory report on dummy antenna for testing high power naval sets.W
240202	7/23	Marconi Co Personal	Request Lt Comdr Hooper meet a representative at Shoreham on the 25th, for conference.W

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[OVER.]

APPARATUS.

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Number.	Date.	From or To—	Subject.
238006	7/11	Fed Tel Co Personal	Relative to visits to Sayville and New Brunswick .W
238152	7/12	Manhattan Elec Sup Co	Request specifications covering elec equipment, in connection with manufacturing.W To—Comments on 7/17 Co reports sending sample receiver to Wash for test 8/13 To Wash—Directs test apparatus.8/14
238162	7/10	Kilbourne & Clark Personal	Simpson leaving New York for Seattle, in connectionwith transfer of office.W
238389	7/13	Adams-Morgan Co	Gives equipment of their factory and requests be given opportunity to bid on wireless apparatus.W
238390	7/11	Manhattan Elec Sup Co	Cole transmitter; states have taken over rights to manufacture; states has one and request representative inspect.W
238441	4/14	Cutting & Washington	(Personal) Fwds table showing readings taken from their apparatus.W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
218353		CARD 105	Atlantic Communication Co request be paid actual cost for transmitters sold to the Department at half price 7/14 To Atl Com Co—7/23
238638	7/11	Marconi Co	5 kw Navy loading coils and oscillation transformers; reports error in Navy drawings.W To NY—Calls attention to error.7/24
238923	7/7	Elliott Elec Co	Request drawings, and specifications of radio sets in connection with furnishing.W
238905	7/16 Radio Test Shop recommendations 9/7 Chasn 9/7 Pug Sd 9/13 M. Is 9/6 Norf 10/20 To NY—12/31 NY - fwds van dykes - 2/2 - W	NY	Fwds vandykes of binding posts used on loading coils and condensers; request switchboards, etc.W To--Comments on.7/28 To Yards--Reqt recommendations in connection with standardizing 7/30 Phila 8/28 Bost 9/1
238501	7/16 Fwd Wash--7/28 RB 8/3 To--Instrns re painting boxes. 8/9	To Manhattan Elec Sup Co	A re preparing reqn for 25 buzzer instructions Will fwds new drawings in a few days. W Co states started manufacture of 25 buzzer instruction sets 7/17 Co request instructions relative to securing paint 7/23
238772	7/16	ToMajor Henri Abraham	Fwds specns and drawings for apparatus which is in standard use in the U.S.Naval Service. W
238760	7-14	Marconi Co	Rec that Mr. Hill and Mr.Clark make periodical visits to their factory in connection with settling technical points and securing more prompt delivery.W To—7/18

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[OVER.]

APPARATUS. 1917

Number.	Date.	From or To—	Subject.
236703	7/3	Wm. B. Duck Co	States in position to furnish wireless apparatus.W To--Acknowledges with comment. 7/10 Co request reconsideration and that they be given radio business 7/12
236755	7/3	NY	Fwds vandyke showing alteration B connection, diagram, 5kw sets.W
236926	6/24	Fed Tel Co	Fwds vandyke covering apparatus on requisitions 223 and 436.W To NY--Fwds Vandykes with instrms.7/9 NY fwds drawings 7/20 NY fwds corrected vandyke 7/24 To NY--Returns Vandyke.8/6
237386	4/7	Radio Division	Approved list of radio firms.W
237403	7/7 Schnitzler (T) reports on conference with Custom House officials 7/27 To Sec Treasury--Sec Sig--Reqt infor re procedure to follow to secure radio sets. 7/28 Treas Dept fwds copy of letter to Collector of Customs 7/31	Paul C. Schnitzler	States there are 23 1 kw Telefunken commercial radio sets in warehouse formerly used by German Standard Oil Co; states can be repaired and turned over to government if desire to purchase.W NY report on inspection.7/20 Schnitzler 7/23 To--7/25 CARD 129
237224	7/7 Wash fwds	To Wash prints 8/20	Reqt photographs of RW 315 and RW 26P 316 be fwded to Bu. W Wash fwds photographs 8/1 To Wash--Reqt fwd desired prints.8/8
237567	7/7 To--8/14	Marconi Co	Request type number be assigned to apparatus under contract, specially the one-half kw submarine set.W Marconi Co 8/8

N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
237779	7/10	Liberty Elec Co	States are in position to manufacture all kinds of radio apparatus up to 2 kw transmitting sets.W
237915	7/11	Pug Sd n R	Request authority to purchase radio equipment to be used in training personnel of Nav Res for duty on chasers and patrol boats.W To—(T) Grants auth.7/12 Fwd Navgn--7/13
220897		~~APPA~~ CARD 112 To Nav Intell--8/14 To F.B.Perry & Sons--8/14 Crocker, Wheeler Co request permission to quote M.R.Straasburger 8/16 Frank B. Perry & Sons 8/16 Fwd Nav Com--8/17 To Crocker Wheeler C o-8/17 To Crocker Wheeler Co--8/20 Dist Supt NY 8/11 To Nav Com--8/22 Fwd Nav Com--8/24 Council of Natl Def fwds corres with Amer Gas Accumulator Co 8/28 Fwd Nav Com--9/5 RB 9/10 To Eitara Yokoyama--9/7 To Nat'l Elec Sup Co--9/7 Fwd War Industries Bd--9/12 Crocker, Wheeler Co has request from W.S.Taylor 10/1 Crocker, Wheeler Co have request from H.H.Diers 10/3 To Nav Intell--Fwds copy of above reqt. 10/5 To Crocker Wheeler Co--No objections quoting to Taylor. 10/5 To Crocker W heeler C o 10/6	Crocker, Wheeler Co reports receipt of letter from American Gas Accumulator Co for prices on motors 7/10 Fwd Nav Com--7/12 To Crocker W heeler Co--No objection.7/14 To Nav Com--Fwds copy of corres.7/14 Electros Mfg Co fwds reqt for apparatus from G.J. Olafson and H.D. Betz--7/12 To Electrose Mfg. Co--No objection to furnishing infor.7/20 To Nav Com--7/20 To Nav Intell-7/20 Crocker, Wheeler Co asks if will object to selling McCaa Radio Co some motor generators 7/24 To Crocker Wheeler Co--7/27 Frank B. Perry & Sons reports inquiry from Mexico for radio blinker sets 8/1 Crocker, Wheeler Co asks if any objection to quoting Motor Boat Co of Japan 8/7 Crocker, Wheeler Co reports receipt of inquiry from Mexico for radio generator 8/7 To Nav Intell--8/9 Crocker, Wheeler Co Harry H Shotwell; request authority to quote 8/9 To Crocker Wheeler Co--8/10 to Electrose Co 8/6 To Crocker Wheeler Co--8/13 Crocker, Wheeler Co request authority to quote to C. H. Menke 8/14

CARD 140

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APPARATUS.

Number.	Date.	From or To—	Subject.	
235484	6-25	Marconi Co	1/2 kw and 2 kw sets; confirms telephone conversation rel to early delivery.W To—Acknowledges.6/27	
235635	6/26	Western Elec Co	Relative to radio sets for motor boats; changes in, etc.W To—Assigns type number.7/10	
235797	6/27	NY	Fwds prints of inductance coils, wheel type, for one kw radio transmitters.W	
235763	6/27	To Cutting & Washn T	Spark frequency 6 volt set approx 376. Ask when sample will be expected. W Cutting & Washington (T) expect to be in Washington July 5th with one 5-volt set 6/28	
235897	6/28	McCas Radio Co	Reports delivering 1/2 kw set NY for test; does not conform to Navy specifications; states if not acceptable to Bureau, request whatever test Bureau desired to make be expedited and set returned.W To—Comments on.7/11	
235856	6/28	To General Radio Co	Small trans set. If have set available, reqt send same to Wash for test.W To Wash—Instrns re test.6/28 Gen Radio Co states will submit set for test from lot being made up for Signal Corps 7/5 To Wash—Instrns in connection with test.7/18 Wash fwds report of test submitted by Gen Radio Co 8/1 To Gen Radio Co—8/16	
		Washn Yd--fwds report on low power buzzer transmitting set submitted by the General Radio Co.W To—Submits report re inter-fleet transmitting set.11/24 To—Proposal calling for 20 sets. Lists specns for. 11/26		

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
236095	6/29	To GE	Fwds specns for power and auxiliary apparatus for use witharc sets. W
236348	6/30	Fed Tel Co	Fwds vandykes covering list of parts comprising one arc radio transmitting shipping set, 20 and 30 kw.W
236350	6/21	M Is	Request specifications for arc radio sets, in connection with inspection, etc.W
236371	6/27 6/30	Wireless Equipment Co NY	Request be placed on list for bids for wireless apparatus.W Fwd NY--8/3
236246	6/30	To Bost	Requests for drawings listed. W Bost fwds prints 7/7
236247	6/30	To Norf	Ditto. W
236350	6-21	M Is	Reqt specification of the ship arc radio transmitter.W To--Fwds specns.7/2
236540	7/2	Director Communications	Fwds correspondence from M. Moore, submitting a device for rebuilding vacuum valves for radio station.W To M.Moore--Comments on.7/9

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APPARATUS.

Number.	Firms	From or To—	Subject.
	To Yards--Assigns type number to entering insulator. 8/9		Natl Elec Sup Co 8/10
232688	SEE CARD 120		To Industrial Controller Co--Instructions as to just what information should be given in Production Report. 6/16
	To Fed Co--Assigns type number.8/6		
	To Yards & Firms--Assigns type number		
	To apparatus.8/6		Natl Elec Signalling Co will forward data as soon as matter is straightened out 6/21
	To NY--Instrns. 8/7		Industrial Controller Co 6/20
	To Yards & Firms--Assigns type numbers. 8/7		Marconi Co 7/11 CARD 130
234369	6/15	Fed Tel Co	20 or 30 kw arc sets; gives dates on which shipments will be made from factory.W
			Fwd S&A--6/21
234433	6/19	Marconi Co	Reports $147,000 worth of materials of Navy contracts on hand June 15th W
234406	6/19	To M.Is.	Remodelled 1/2 K.W. Marconi Panel Transmitters. Reqt Vandykes and prints of. W
			To--Ask when plans will be fwded.8/21
			M Is fwds prints 8/30
232788	6/18	Wash	Reports on test of receivers from W. J. Murdock Co.W
			Wash reports on test of Electro Importing Co's buzzer 6/18
234674	6/20	D. Sarnoff T Personal	Can supply 7 commercial 2 kw sets, commencing delivery within 4 days.W
234681	6/18	Elliott Elec Co VOID--see over	Underground receiving system; fwds sketch and theoretical discussion.W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
234681	6/18	Elliott Elec Co	Rwds catalogue of their standard radio instruments.W
234692	6/20	Western Elec Co	Calls attention to their S size vacuum tubes, used with wireless sets for motor boats.W To—Reqt quotations. 6/22 Co submits price 7/9 To Wash—Directs make reqn for mat'l. 7/23
234690	6/20	Western ElecCo	Parts were for 1/2 kw motor boat sets; quotes prices, ~~requested~~ requisition 351.W
234753	6-21	E. J. Simon T	Can reduce price on one kw sets on contract 670; gives delivery dates.W
234956	6-19	Sperry Co	Reports Production and Engineering Dept separated; believed improvement will result.W To—Acknowledges with commen. 6/22 To—Suggest communicate with NY. 6/27
233731	6/20	To Grt Lakes	Makes allott for equipment of laboratory for work with underground radio system. WK To Bu Standards—Directs fwd to Grt Lakes one aluminum thermo couple. 6/20
235114	6/22	Natl Elec Signalling Co T	Reports price andcondition of 2 kw sets for emergency use.W
234956	6/22	To Sperry Co VOID	

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APPARATUS.

Number.	Date.	From or To—	Subject.
233336	6/7	Bost	Reports issue of audion bulbs, amplifiers and mica condensers.W
199131		CARD 94	Atl Fleet fwds report on test by the PENN. & SEATTLE.6/11
233511	6-9	NY	Reqt specification for radio installation on battleship.W To—Fwds specns.6/15 Fwd C&R—6/15
233696	6/12	Marconi Co	Request be advised requisition numbers on contracts listed.W To—Gives information reqted.6/19
233799	6/13	Wash	Reports on test of 1/2 kw Kilbourne & Clark impact type transmitter receiver.W To Kilbourne & Clark Co—Submits report of test on.6/22
233806	6/14	Crocker, Wheeler Co	Fwds copy of letter from Dodge Institute of Telegraphy and Wireless Instruction, requesting certain information; asks if shall furnish.W To—No objection.6/19

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
233650	6/14	To Norf	Fwds blueprints specns "Specns for Arc Transmitters". W	Type
233655	6/14	To S&A	Reqt that execution of contrs vased of Naval Emergency Reqns 47,48, and 50 be expedited. W S&A reports status of 6/22	SE
233905	6/13	Wash	Reports on test of 2 kw Kilbourne & Clark impact type transmitter and receiver submitted for test for use on Naval auxiliaries.W To Kilbourne & Clark Co--Submits above report. Detailed recommendations.6/28	
233862	6/15	To Norf T Fwd Phila--7/2 RB 8/7	Reqt details apparatus not already shipt NY which was assigned manuf and purchased Norf items 1,2,3,4,5,6,8 and 9. W Norf T,l answered this morning byletter 6/20 Norf 6/20 Fwd NY--6/22 R B 6/30	
233881	6/15	To M.Is.	Requesting copies of special reports listed.W M Is fwds report of investigation of flux densities of 30 kw arc oscillators 6/25	
233892	6/15	To NY	Reqt prints of photographs as listed be fwded.6/15 W NY fwds photographs 6/22	
234007	6/12	E. J. Simon	1 kw panel radio sets; gives details of new set; quotes price; recommends be tested.W To--Suggest send sample set to Wash.6/16	

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APPARATUS.

Number.	Date.	From or To—	Subject.
232060	6-5	Ward Bernard T	Reqt duplicate copy of specification and names of successful bidders on schedule 1215-1/2 and 1213-1/2. To--Gives infor reqted.6/8
351	6/5	To Firms	Directs give Copley Co infor in regard to where they should deliver power units for 1/2 K.W. motor boat sets. WR
232347	6/6	NY	Fwds prints of vandykes of jig for cutting molding spokes for 2 kw inductance coils.W
232346	6/6	NY	Fwds photographs of insulators, relay key, etc.W
232318	5/19	R. A. Fessenden (Personal)	States now in position to furnish apparatus of his own invention; states in position to furnish heteroydne and make prompt deliveries.W
232319	5/12	Fed Tel Co	Fwds proposals for 20 and 30 kw sets on reqn 436.W
232235	6/6	To Western Elec Co	Reqt proceed with construction of a sample 20 K.W. ship set for test by Bu. W Co reports on present status of work; states Federal Co adverse to licensing Western Elec or any other company to construct sets under their patents.W To--Acknowledges.7/16

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
232356	6/6	To Fed Co T	Cancels reqt that Fed Co establish factory in East. Have made other arrgts. W
232363	6/6	To Marconi Co	Visit to Bu Thursday will be satis. W
232676	6/6	Sperry Co	Quotes letter from H.P.Veeder and states Mr Sperry will be in Washington June 8th or9th.W
232731	6/8	National Elec Signalling Co	Request data in order to submit bid on 1 kw sets, 500 cycle, quenched gap type .W
232617	6/8	To Phila drawings: radio	Standard plans. Lists drawings and reqts Vandykes of. Instrns re fwding other Vandykes To Bu. W Phila fwds 319 radio prints 6/27
232998	6/6	Wash	Fwds prints showing resistance unit amounting for shunting key cntacts.W
232688	6/9	To Marconi Co To Firms	Assigns type number to 1/2 K.W. motor boat sets on reqn 351. W De Forest Co fwds instrns and vandykes 6/12 Marconi Co 6/12 SEE CARD 122
SEE CARD 200	To	Cutting & Washn--Re omissions in production report.6/15	To DeForest--Instrns re reports.6/15
233094	To 6-9	Lowenstein--Instrns re reports.6/15 NY	Fwds standard prints for radio installation on new Battle cruisers.W To--Reqt more information.8/3 NY fwds plans 8/18

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APPARATUS.

Number.	Date.	From or To—	Subject.
231 046	5/29	Fed Tel Co T	States doing all in power to meet government's wishes; representatives will call Washington to bring about better understanding.W
231271	5/29	Elliott Elec Co	Request specifications covering radio equipment.W Elliot Elec Co reqt action 6/8 To--Arrgts mades for needs at present.6/30
231315	5/22	Newport	Request certain radio apparatus for instruction purposes at training regiment.W To-- Comments on.6/2
231059	5/31	To Firms	Reqn for 300 1 K.W. trans sets will be issued shortly. Gives copy of reqn, with detailed comments.5/31 To S&A--Reqt companies listed be notified of mistake in above letter.6/8 To Firms--Corrects.6/8
231524	5/29	Atl Flt	Radio instruction set on WYOMING; suggestions for improvement.W Fwd Wash--7/23
231589	5-28 6-1 NY--11/5.W	New Haven Naval Reserve Force Third District. S&A Fwd. S&A 8/23 To NY--Re mistakes in drawings.8/11 To NY--Instrns.8/11 To NY--Fwds prelim set of prints.7/21	Reqt ~~ask~~ two kw radio set be assigned.W Fwd Nav Com--6/7 RB 7/21 Fwd Nav Com--7/10 RB 7/16 Fwd S&A--7/18 Fwd Dept--7/26 CARD 129
231427	6/1 NY 8/2	To NY To--Fwds preliminary prints of with comment.6/21 To--Ask when wave change can be completed.7/5 To--Fwds blueprint with comment.7/6	Design of 1-KW radio frequency trans apparatus. Instrns re proceeding with work. Ask when sample set can be submitted. WR NY expect working model to be completed June 28 6/16 To NY--Detailed instrns re assembling parts etc.6/19 To NY--Reqt reply.7/18 CARD 131

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
231428	6/1	To Fed Co	Fwds blueprints instrns RE 15A 101A, re assignment of type numbers to apparatus constructed by commercial companies. Lists apparatus forming arc transmitters, and reqts comment.W Fed Tel Co 6/7
224319		CARD 113	Sperry Co will submit data in short time 6/1
231358	6/2	To Bost 6/15)	Specns for radio transmitters. Fwds. Directs issue in printed form. W Norf specifications for radio transmitters; lists typographical errors, etc, and revisions recommended 6/9 M IS [T] no specifications received; request duplicate 6/14 CARD 130 Reqt reqn for radio transmitter be doubled. W
	6/2	To S&A	
231855	6-1	Wash	Fwds list of shipment orders for radio apparatus not filled.W Bost Yard - 5/26 W Wash 6/9 - Wash Yd 6/23
231489	6/1	To Fed Co T	Position relay key and absorbing circuit condenser rack may be interchanged. W
231861	6/4	To B.P.Lamberton	Gives information re delivery of radio sets, and Lamberton relay key. W
232044	6-2	STANDARD Radio Apparatus Co	Reqt specification and opportunity to furnsih their radio apparatus.W To--Comments on.6/5 To Washn--Instrns re test.6/6

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APPARATUS.

Number.	Date.	From or To—	Subject.
229438	5/19	National Elec Signalling Co	Request permission to open their shops to take moving picture films of manufacturing of radio apparatus.W
229248	5/19	To Manhattan Elec Sup Co	Re award of proprietary reqn for ten instruction sets for radio operators. Lists specns in reqn. W To--Re sets. Lists necessary changes to sets. 5/24 Co 5/31 To--Gives action.6/9
229549	5/18	Electro-Set Co	Request opportunity to bid on requisition for radio apparatus.W To--Arrgts made for future purchases.5/23
229684	5/22	To Wash	Reqt 12 sets of Vandykes of drawing RW 10A 10IC be fwded to Bu. W Wash fwds vandykes 5/24
229819	5/16	U.S.Patrol Force	Request information as to radio equipment on vessels of patrol force.W To--Fwds.5/25
229683	5/22	To Sperry Co	Re negotiations of Fed Co relative to manuf of arc radio transmitters in factory of Sperry Co. W
229810	5/23	To S&A	Reqt shipt of trans set from Pug to M.Is. W

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APPARATUS. 876.

Number.	Date.	From or To—	Subject.
230017	5/17	M Is	Submits list of old radio apparatus turned in at M Is.W
229709	5-17	Ocean Park S. B. Co	Reqt opportunity to bid on radio apparatus and air crafts.W To—Arrgts made for.5/25
229683	5-21	Sperry Co	Fwds copy of letter from Federal Telegraph Co. rel to mfg of their radio apparatus in East.W
230400	5/26	To NY	Radio apparatus- Standardizing on types of motor generators, quenched gaps, etc. W
230694	5/23	Kilbourne & Clark Co	States Mr. Simpson will visit Bureau on the 28th.W
230706	5/26	To Fed Co	Reqn 436. Believes can make delivery of sets within four months if take advantage of Govt backing. W
230730	5/28	To S&A	Reqt shipt of receiving sets from Wash to Phila. W To S&A—Ditto for NY. 5/28 To—Ditto for Bost/ 5/28 To S&A—Six shipt reqts. 5/29
230762	5/28	To S&A	Changes in point of delivery of radio apparatus from NY to Bost. W

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APPARATUS.

Number.	Date.	From or To—	Subject.
227496	5/9	To Firms	Assigns type number to be stamped on name plate of sets being manuf on reqn 361, for 1/2 K.W. motor boat sets. F. Lowenstein T will report 19th. 5/14 Charleston - Recommendations relative to Nashville 7/7
227715	5/9	GE	Name plates for radio apparatus; fwds blueprint showing.W
	To GE Co--Comments.6/1		To GE Co-Via Insprs--Gives action on. 5/15
	GE fwds prints of nameplates 6/25		GE request further information relative to name plate drawings 5/29
	To GE Co--Appvs.7/10		
227949	5/4	Marconi Co	Fwds sets of instructions covering half kw, 500 cycle, commercial panel set.W
227955	5/11	NY	Request copies of prints listed.W
			To--Fwds specns for radio install on battleships, battle flagships and battle cruisers. 5/15
227933	5/3	Marconi Co	Submits list showing what prices of commercial set of 1/2 Kw and 2 kw standard panel sets.W
227296	5/11	To Yards	Assembly of parts of radio apparatus into emergency sets. Detailed instrns. W
			Norf reqt shipment instructions.5/21
			Norf request action 6/27
			To Norf--Gives action.7/3
227732	5/11	To S&A	Reqt shipt of motor generator and trans from Norf to NY for assignment.W
			To--Reqt shipt of apparatus from Norf to Bost for assignment.5/11
			To S&A--Ditto from Norf to Phila.5/11
			To NY--Instrns.6/14

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APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.
228117	5/12	NY drawings radio	Reports forwarding F size sheets tracing cloth to Bureau.W
228116	5/12	NY	Request location of flag officer's battle station.W To C&R--Reqt location of.5/22 RB 6/15 To --Gives infor reqted. 6/21 Fwd C&R--6/21, RB 7/26 Fwd Dept.--8/1 RB 8/17
227865	5/12	To Firms	Bu will shortly issue reqn for 500 trans sets and 500 receivers. Reqt proceed with preparation of bids. Lists detailed specns.W To--Further in connection with. 5/15 To--Further comments.5/17 Kilbourne & Clark Co (T) submits price for 200 transmitters 5/23
		K&C Co submits description and detailed ~~comm~~ estimates 5/23 To Firms--Further inconnection with original letter.5/29	
228336	?	Henry N. Rubel	Request Navy purchase his radio set.W To--5/17
228786	5/17	To Phila	Reqt Vandykes of switchboard drawings be fwded to Bu. W 900 Phila fwds prints.5/19
228937	5/17	NY	Fwds 50 copies of radio drawings W
229174	5/11 5/18	ILLINOIS Atl Flt	Recommendations for fitting ships with auxiliary radio rooms.W

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APPARATUS.

Number.	Date.	From or To—	Subject.
226188	5/3	Kilbourne & Clark Co	10 2 kw radio sets for delivery at Pug Sd; price and gives specifications .W
226468	5/3	E.J. Simon	States is prepared to execute sample order for items listed in connection with radio developments abroad W
226150	5/4	To S&A	Reqt shipt of receiving set from Wash to Bost for Wellsfleet Station. W
226457	5/4	S&A	Specifications 16 R 1- A and 16 R 2 radio sets - asks if revision necessary W To--Gives action on 5/11
226402	5/4	To CHARLESTON T To Darien--(T)Reqt recommendations covering install.5/18 Darian - (R) Panama Canal facilities ample 5/20 W	Reqt recommendations re install radio sets on PAUL JONES PERRY PREBLE WHIPPLE and STEWART. W Chasn R 5/16
226767	5-5	Bost	Reqt instruction relative to disposition of certain radio apparatus.W To--Reqt information.5/9 Bost 5/14
226771	4-24	Exp. Supply Co	Are in position to supply radio apparatus.W To M.Is.--5/10
226235	2/25/18	To Crocker Wheeler Co	Acknowledges receipt of letter giving infor re deliveries of motor gen sets. W

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APPARATUS.

Number.	Date.	From or To—	Subject.	
226829	5/5	Marconi Co.	Request cash advance when possible in connection with their handling large orders W To--5/10	
205701	To Portsmouth 10/31 SEE CARD 108 S&A arc receiver received Sept 5th 1916 6/14 (See 229842-205-6) Ports asks when hot wire ammeters will be supplied 9/22 Fwd Wash--9/26 Wash 10/23		To S&A--Reqt shipt of port receiving set from Wash to PENNA. 5/8 To S&A--Reqt shipt of portable receiving set from Wash to ARIZONA, and cancel reqt of 3/2. 5/8 To NY--Reqt return of corres.5/21 NY returns papers 5/24 Fwd S&A--5/28	
224124	SEE CARD 113		To Pearl Harbor--(T) Install Geier auth. 5/4 M. Is R submits est for installation of on San Francisco LIGHT VESSELS. To Dept Commerce--Gives action taken.5/23 M Is lists apparatus from the Geier turned into store for shipment to Pearl Harbor 5/18	
227082	5/8	To P. P. Banholzer	Detailed comments on radio device brought to Bu attention. W	
227058	5/9	To S&A--R	Reqt shipt of receiving set from Chasn to Wash for repairs. W	
227135	5/9	To S&A	Reqt shipt of trans and receiving set from MICHIGAN TO wash for Disp. W	
227290	5/8	To Firms	Re proprietary reqn for an instruction set for radio operators, delivery Wash. W	

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[OVER.]

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APPARATUS.

Number.	Date.	From or To—	Subject.	
225694	5/1	Cutting & Washington T	Will have sample 2 kw set in Washington May 10th.W	
225585	4/30	To Pug Sd T	Reqt infor re radio sets which Kilbourne & Clark Co have ready for immediate delivery. W Pug Sd (T) Kilbourne & Clark recommend procedure to secure apparatus conforming to Navy requirements 5/1	
225677	4-30	Nav. Intel.	Quotes from French Nav Attache, requesting information relative to radio sets on submarine chasers	652
225585	4/30	To Pug Sd T VOID	Reqt infor re any 2KW or 1KW sets which	
225924	5/2 NY 6/4 action.W ~~Fwd S&A 6/29~~ Fwd S&A 6/29	To S&A S&A 6/25 (2 letters) reqt	Reqt contract in connection with reqns listed be expedited, ~~an all apparatus urgently~~ needed. W S&A relative to expediting delivery of radio material 5/16 ~~To--Reqt copies of contrs.5/19~~ S&A reports action taken to expedite 6/13 (2 letters)	
225925	5/2	To Fed Co	Necessary to have a source of supply of arc radio apparatus on Atlantic Coast. Ask whether company can establish factory conveniently near East Coast, or make arrgts with some other company to handle manufacturing of. W Fed Tel Co (T) will advise later 5/9	

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N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
225953	4/14	M Is	Radio Apparatus Co have 25 sets can install on motor boats; quotes price.W To--Have made contracts for needs.5/5
225998	4/28	Kilbourne & Clark T	Gives quantities apparatus can supply.W
226100	4/30	NY 629	Bu SE requisitions 17, 22, 15, 178 and 179; relative to non receipt of contracts by Bu; reports in detail on.W
226164	5/3	Federal Telegraph Co.	20 & 30 K W ship arc sets - requisition 223, 436 gives dimensions of wave loading coil W
226174	5/3	Federal Telegraph Co	Relative to deliveries of 30 & 20 KW sets for Wash yard W
224319	4-30	Kilbourne & Clark CARD 113 National Elec Sig Co T asks who received award. 5/8 Marconi Co states price quoted does not cover furnishing line voltage controlled rheostats 5/7 To E.J.Simon--5/10 To Nat'l E.S.Co--Material can be ordered for sets. (T) 5/9 To Marconi Co--5/17 To Sperry Co--Re development of satis low power buzzer outfit.5/29	Date of delivery set will not interfer with delivery of twokw sets.W ~~To Marconi Co~~-- To Firms--Advises number of 1/2 K.W. radio sets, which are awarded to, Lists specns for. 5/3 Marconi Co - 5/1 Wireless Specialty Co 4/30 Kilbourne & Clark 4/30 W To Nat'l Elec Sig Co--Advises of number of sets, which are awarded to. Lists specns.5/4 E. J. Simon if rheostat required, will increase price $10 per set 5/5 To Copley Mfg Co--5/5

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APPARATUS: RADIO

Number.	Date.	From or To—	Subject.	
224878	4/25	Naval Intelligence Publicity	Fwds copy of address on radio telegraphy to be delivered before Rotary Club. Chief Fwd Nav Intell-4/30	
224994	4/25	NY	Fwds drawings. W To NY--Gives action on. 5/19	
225000	4/25	NY	Fwds radio drawings. W	
224311	4/21	Manhattan Elec Sup Co	Request reply to their letter of Apr 10, requesting report on their removable contact point telegraph key. W NY fwds report on test 4/28	CARD 131
	To NY--Reqt resubmit report on. 5/10 To--Req confer with NY re modif of keys. 5/10			
224080	4/25	To S&A	Radio buzzer blinker instrns. Instrns re distribution. W	
224945	4/14	F. Lowenstein	Requisition 14, 25 motor generator equipments ordered from Ports; asks where remaining 5 to be manufactured. W To--Instrns re ordering. 4/27	
224946	4/24	F. Lowenstein	6 2 kw sets, motor generators, to be Crocker, Wheeler and voltage to be 80 volts. W	
224987	4/25 Wash states apparatus received in defective condition; unable to test. 5/12	Cutting & Washington	Changes in 1/2 kw motor boat sets satisfactory with exceptions; comments on Bu's changes desired. W ~~To--Comments on. 4/30~~ ~~To Wash--Directs test apparatus. 4/30~~	
225078	4/27	To NY	Fwds copy of blueprint specns for 1/2 K.W. motor boat radio sets. W	

N.S.E. Form 134.

APPARATUS: RADIO 876

Number.	Date.	From or To—	Subject.
225088	4/27	To Bost	1/2 KW motor boat sets. Bu has ordered delivery of 60 sets from Cutting & Washington. If first sets do not comply with specns, directs notify Bu at once. W
225089	4/27	To NY 136	1/2 KW submarine chaser sets, delivery of. Gives number of, and direct upon receipt of communicate with Bu relative to accept tests.W
225330	4-26	NY	Fwds radio drawings.W
225408	4/27	Marconi Co.	2 KW [redacted]-engine driven and emergency sets. Asks waiver lengths to be used W ~~To--Comments on. 5/5~~ Marconi Co Submits est. 5/12 To--Comments on. 5/25
225527	4/28	NY	High frequency buzzer and key submitted by Manhattan Elec Supply Co; fwds report on test.W
	VOID	SEE 224311-876	
225572	4/30	Cutting & Washington T	Quotes price on motor boat sets.W
225573	4/30	Lee De Forest T	Makes appointment for himslef and representative of Elec Spec, Tuesday morning.W
225664	4/30	Sperry Co	Fwds print of newlayout of half kw motor boat sets; also assembly wave changer and submits specifications.W To--Lists modifications to prints which should be made. 5/15

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APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.
223781	4/19	Sperry Gyro Co T	Gives dates commencing delivery of motor boat and aeroplane sets.W
223786	4/19	Marconi Co.	Have order for 5 K. W. set from Mexico Asks if can inform party that Government prefers not to ship W
	To--Gives infor from State Dept.5/3 To Dept--Reqt further infor.5/7 RB5-11 To Sec State--(Sec Sig) Gives action on.5/12		To Sec State--(Sec Sig) Ask whether radio shipments are permitted to Mexico.4/21 State Dept - States shipments from this Country to Mexico of electrical appliances is not permitted by the Treasury Dept. 4/30 A
224000	4-13 4-17	Scientific Amer. Dept	Development of arc system article by Federal Telegraph Co. Reqt auth to pub/ with photographs. Fwd Nav Com--4/25
224122	4/21	To F. Lowenstein	Re advertisement for 500 radio trans. Bu hopes company's price and delivery will be such that they can handle 100 of them. W
224124	4/21	To M.Is. T	Reqt number of trans set complete which can be assembled from apparatus turned in at M.Is. W
	To--(T)Instrms re assembling sets for ships.5/4 To S&A--Shipt reqt of trans set for Geier. 5/5		M Is (T) will report later 4/26 SEE CARD 116 M Is (R) reports in detail on condition of sets 5/4
	Cutting & Washington quotes 5/1 CARD 115	(T)-E.J.Simon -	Wireless Specialty Co. - unable to bid 4/30 W can supply 50 additional sets 5/2 W
224319	4/23	To Firms Wireless Imp. Co. - quotes price 4/28 W	Re reqn for 100 1/2 K.W. 500 cycle panel type radio sets. Reqt quotations on before proposals are issued. Lists modifications to specns. W To Firms--Ditto. 4/24 CARD 119
	Copely Mfg Co States has sufficent engines to carry out order for 75 additional sets.4/28 Nat. Elect Signal Co. quotes.4/27 Cutting & Washington (T) quotes price 4/30 Sperry Co have taken up question of obtaining auth to manf appd equipemnt in order to secure additional equipment for the government 5/1		To Firms--Ditto. 4/25 To Firms--Corrections in above letter.4/26 To Copely Mafg Co--Gives information re requirements submitted to firms in circular letters. 4/27 E. J. Simon is expediting 4/27 Natl Elec Sup Co quotes price and fwds sample set 4/28

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APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.
224635	4/19	Hayler & Cunningham Elec Co	Fwds bulletin covering their 2 kw radio apparatus. W To--Comments on 5/26
Phone	4/24	Sperry Co Cuttng & Washng	-- Re agreement between two firms re use of Cutting & Washgn spark gap by Sperry Co? etc. W
Phone	4/24	F. Lowenstein	Re reqn for radio sets imilar to 30 ordered from Lowenstein.
224581	4/13 4/17 To--Comments on 5/10 Logwood 5/11 Logwood fwds sketch 5/17 To--5/26	C.V. Logwood Hon H.W. Johnson	Requests co-operation in connection with development with his system of locating hidden R stations invisible antenna wires, etc W To--Reqts further details of 4/28 C.V. Logwood fwds plan and schedule 4/30
223788	4/16 To Electro Importing Co--Submits report of test of sample buzzer. 6/22 Phila--To--Ditto. 6/22 W.G. Murdock Co gives shipping address of; will fwd improved 6/29	W.J. Murdock	Fwds catalogue of their radio apparatus W To--Comments on 5/12 W. J. Murdock Co fwds catalog. 5/23 To Wash--Re test. 5/31
224832	4/24	Copely Mfg Co	Half kw sets; fwds print W
224660	4/25	To Sperry Co	Submits report on sample 1/2 K.W. radio set under reqn 351, with rec re improvement. W
224661	4/25	To S&A	Reqt shipt of radio trans set from NY to Bost for disposition. W
224662	4/25 Norf Telefunken set is on hand at yard; request instructions 10/5	To S&A	Ditto to Norf. W To Norf--Ask disposition of trans set. 9/27 Norf reqt disposition 11/8
224663	4/25	To S&A	Ditto to Phila. W

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APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.	
223082	4/12	Radio Test Shop, Wash	Report on preliminary test of Sperry 1/2 kw transmitter for use on submarine chasers. W	Z-6
222920	4/12	ditto	ditto on De Forest and Cutting & Washington. W	Z-6
220897		To Marconi Co--5/15 Marconi Co 5/23 Marconi Co 6/12 Marconi Co (6 letters) 5/15 CARD 109 To Nav Intell--Contrs of Fed Co with foreign govts. 4/26 To Nav Com--Ditto. 4/26 To Fed Co--Acknowledges. 4/26 Marconi 4/26 Fed Tel Co. Status of work at Cavite, Pearl Harbor, San Diego. 4/21 Marconi Co 4/25 Sperry Co 4/26 Marconi Co 4/28 To Sperry Co--4/30	Marconi Co (2 letters) 5/17 Marconi Co (3 letters) 5/8 Marconi (11 letters) 5/25 E. J. Simon gives list 4/16 Marconi Co. lists 5/11 Marconi Co ditto 4/16 General Radio Co states do not manf complete sending or receiving set 4/12 Gen Elec Co gives data 4/13 To Natl Elec Sig Co--Acknowledges letter April 11th. 4/17 To E. J. Simon--Acknowledges letter of 16th. 4/19 Marconi Co gives radio call letters of certain vessels 4/23 Fed Tel Co lists outstanding contracts 4/18 Marconi Co lists new Business contracted for. 4/25	BELOW
223120	4/17	To NY	Vandykes of apparatus for emergency disposition. Reqts. W NY fwds plans 4/21 NY prints were forwarded on the 21st 4/24	
223123	4/17	To Chasn	Co-ordination plan. Change in letter assigned to Chasn. W	
223124	4/17	~~To Amer R&R Corp~~	Fwds copy of revised b/p specns for simplfied type radio sets for motor boat use. W	
223128	4/17	To Nat'l Elec Sup Co	Ditto. W	
220897		ABOVE Crocker, Wheeler Co fwds request from the William H. Dunwoody Institute for informationon radio apparatus 7/9	Crocker, Wheeler Co request authority to sell apparatus to H.D. Betz 6/26 To Crocker Wheeler Co--No objection. 6/27 To Nav Com--6/27	

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CARD 124

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APPARATUS. RADIO 876

Number.	Date.	From or To—	Subject.
223129	4/17	To F. Lowenstein	Fwds Latest Vandykes of drawing showing Navy Rotary Spark Gap; also drawing showing shunt motor for use with rotary gap. W
223288	4/14	Coast Guard	Forwards steaming data - offers cutters M
	void		To Wash--Appvs recommendation 8/3
	Fwd Wash--7/20	Fwd Wash--7/20	RB 7/28 RB 7/28 Atl Flt 7/28 Fwd Wash--9/2
223268	4/11	Washington	Arc receiving circuit improvement in. RB 8/10
	Atl Flt 7-2		CARD 133
	Bost reports on test of special circuit for radio receiver 7/7		Forwards report N
	Phila recommends circuit be standardized for 1918 designs of receivers 7/16		To Atl Flt--Submits certain points, andreqts comment on.6/27
			M Is 7/28
223272	4/7	Cutting & Wash	Quotes price - 1400 on any quantity over 50 W
223400	4/18	To Dale-Ray Corp	Fwds blueprint specns for simplified type radio sets for motor boat use, 1/2 K.W. size.W
223402	4/18	To Fed Co	Reqt complete list of spare parts for various sizes and types of arc generators you have supplied to the Navy. W
	Fed Tel Co fwds schedule of approximate cost of spare parts 6/6		Fed Tel Co fwds list of spares for arc converters 5/23
	To Wash--Fwds copy of list furnished by Fed Co. 7/12		Co will submit approximate cost of spares 5/25
223623	4-17	NY	5 kw loading coils; fwds vandykes.W
223493	4-18	Myers, R. M.	Asks data on 1/2 kw radio sets.W
			To--Cannot furnish specns.4/28
223416	4/18	To NY T	Directs report number 5 K.W. sets now on hand including 80 volt sets. W
			NY gives number unassigned 4/19 (T)

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APPARATUS:

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Number.	Date.	From or To—	Subject.	
222469	4-13	EveryDay Engineering	Request to be advised when radio bids are opened. W To--Arrgts made.4/17	
222439	4/13 To Wireless Spec Ap Co--Comments on. 4/18 Wireless Spec Co 4/21	To Firms	1/2 K.W. Radio transmitters. Gives copy of latest specns for. Rec addition of a fixed reactance for sending on small power. W Wireless Spec App Co submits proposed construction for half kw sets, field rheostat 4/16	
222460	4/13	To Fed Co	Appvs substitution of gas seal for the water seal in future sets. Auth use of a series magneto coil, and other alterations. W Fed Tel Co suggestions 5/21	
222479	4/12	To Cutting & Washington	Directs install General Radio Co type of wave meter, which fulfills all conditions. W 1/2 K.W. submarine chaser sets. W	
Reqn 351	4/13	To Cutting & Washington	Detailed comments on 1/2 K.W. submarine chaser set submitted.	
222611	4/12	F. Lowenstein	Has a request from party for 5 kw set; request Bureau's desire relative to his furnishing any for concerns other than the government.W To --Comments on.4/17	
222661	4/14	To GE Co	Fwds blue prints of specns for antenna wire, flexible silicon bronze. W	

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APPARATUS 876

Number.	Date.	From or To—	Subject.	
222662	4/14	To Bost	Reqt vandykes of drawings of radio telegraph as listed be fwded to Bu. W Bost fwds drawings requested April 14th 4/21 Bost (No date) prints forwarded April 21st.W	
222667	4/14	To Westinghouse E&M Co	Fwds portions of blueprint specns for arc transmitters, as listed. W	
222758	4/14	To Wireless Spec Ap Co	Directs rush delivery of two helium tubes for stroboscopes to Radio Test Station, Wash. W Co tubes were shipped by special delivery on the 16th; not yet received 4/23 To--Reqn has been prepared for.4/26	
222920	4/11 To De Forest Co--Same as to Western Elec Co.4/20 To Cutting & Washington--Submits report. 4/20	Wash Laboratory	Preliminary inspection of a half kw Western Elec transmitting receiving set.W To Western Elec Co--Quotes from test of 1/2 K.W. trans and rec set, submarine chaser type. 4/20	
222994	4/16	To Bost T	Directs report number half K.W. panel radio trans sets on hand. W Bost (T) none available 4/16	
222979	4/15	NY	Fwds booklet of drawing instructions for 5 kw quenched spark sets.W	
222040	4/10	NY	Fwds vandykes of radio plans.W	
223018	4/5	Atl Flt	Detailed report on radio material from various ships; also additional comment by the C-in-C.W	

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APPARATUS.

Number.	Date.	From or To—	Subject.	
221925	4/10	To Firms	Fwds copy of revised b/p specns RE 13A 117B, simplified type radio sets for motor boat use. W	
221929	4/10	To Fed Co	Fwds b/p specns for RE 13A 113A, arc type transmitters. W	
221916	4-10	Wireless Spec App Co T	Asks for copy of contract covering 25 sets awarded to them. W. Fwd S&A--4/12	
221999	4-10	Manhattan Elec Sup Co	Reports submitting samples of contact point telegraph key, high note buzzer, etc. to NY. W To NY--Rept infor re tests made on 4/23 NY have been forwarded to Bureau 4/28	
221951	4-9	Specialty S ales Co	Request orders. W To--Arrgts already made. 4/14	
221379	3/19	Atl Flt	Upper deck radio house and certain voice tubes approved for TEXAS and ships to be fitted as flagships	132-6
222154	4-11	C&R	BS and battle cruisers; radio standard plans; recommendations. W. Fwd Navgn--5/14 RB 5-21	
	To--Gives action. 7/17			
222167	4-7	Marconi Co	Quotes price on small sized sets for motor boats. W	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
222183	4-6	Moorehead Laboratories	Request specns, prints, etc. and opportunity to bid.W To--Will fwd in due time.4/13 **Moorhead Laboratories request specifications 8/27**
220906	4/2	To F. Lowenstein Phone	Re reducing price of 2 K.W. sets. W
222394	4-12	May, RP	Request specns.W. To--Arrgts already made.4/17
222411	3-30	DeForest Co	Quotes prices on light adapter plugs of dielectro.W To--Does not desire purchase of plugs.4/12
Phone	4/6	Sperry Co	Re time when sample 1/2 K.W. chaser radio set might be expected at Wash for test.
Phone	4/6	Marconi Co	Re prices of different sizes ~~gang~~ gasoline engine sets, panel radio sets, etc., with view to placing proprietary reqn for.
Phone	4/4	Norf	Re advisability of omitting overload devices from hand starter and automatic starter of 2 K.W. self-cooled gaps.

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APPARATUS

Number.	Date.	From or To—	Subject.
To To	Nav Com--Quotes from letter of Nat'l Elec Sig Co.4/14 Marconi Co--4/14	4/11)	Natl Elec Sig Co submits report 4/11 Marconi Co submits list 4/11
220897	Cutting & Washington answer later) 4/5	To Firms	Ask number of all outstanding contracts for radio sets, with Govt, private firms, foreign Govts, also number of sets and date of delivery of each contract. W
	Zmer R&R Corp gives list of contracts on hand for government departments 4/9 Clapp-Eastman Co submits list of radio telegraph orders on hand 4/9 Wireless Imp Co reports on status of their orders 4/10		Natl Elec Sup Co lists contracts for radio apparatus on hand and times of delivery; expect to have a new four story factory ready within 90 days 4/6 CARD 112
220898	4/5	To Firms	Reqt conferences with Bu be between 9:30 and 12:00, and that they be to the point as much as possible, in order to conserve Bu time. W
221139	4/5	To Norf	Radio apparatus, omission of overload feature on hand, and automatic starters. Reqt comment and recommendation. W Norf omission desirable 4/10
221282	4/5	To Asst Secy	Lists data for French Naval Attache, re radio for patrol boats. W
221303	4/6	To Marconi Co	Reqt quotations on fifty 5 KW radio sets, and two 5 K.W. sets, in accordance with detailed specns listed. W
221405	4/6	Marconi Co	Confirms telephone prices for 100 half kw, 30 2 kw, 52 5 kw and 2 5kw transmitters and gives time of delivery and numbers of Navy drawings to be used. W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
221354	4/5	Dept Systems	Copy of letter to Aeronautic Wireless Division (William Russell), relative to test of a radio communication between aircraft and motor boats.W	
221181	To GE Co--Re defaulty welding.4/28 4-4 To GE Co--Reqt use care.4/16 To--Reqt infor re welding.4/21 Cutting & Washn reports method of detecting spots where Tungsten was not properly welded to copper 4/24	Cutting & Washn	Request GE Co. be asked to use care in completely welding tungsten sparking faces of gap terminals.W. To--Fwds data. 4/14 To--4/14 GE Co submits data 4/18	
221236	4-4	NY	Fwds radio white prints.W To--Reqt Vandykes.of drawings listed.4/10 NY--fwds vandykes as per request letter of April 10th 4/17	
221489	4-6	Wireless Spec App Co	Request aide in expediteing delivery of copper strip from American Elec Wks.W To--Fwds copy of despatch to American Elec Works. 4/7 Wireless Co Material will be shipeed prior to April 18. 4/14	
221529	4-6	Sperry Gyro Co T	Sample motor boat set shipped to-day to Washn.W	
221502	3-31 To--Gives action taken.4/7	Cutting & Washn	Have ordered copper strip from Hungerford B&C Co Request Bu have delvy expedited.W To Hungerford Brass & Copper Co--(Sec Sig) Reqt material be expedited.4/7	
221501	4/7	To Aero Sta Drawings: Radio	Semi-monthly report, not given drawing number. Directs proper number be added to original and new prints fwded to all yards, ships, etc. W	
221715	4-7	NY Y	Fwd Co. arc sets; fwds instructions and drawings covering those on cont 784.	

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APPARATUS. 1917

Number.	Date.	From or To—	Subject.
220376	3-27	Nat Elec Sig Co	Asks if apparatus to be supplied on reqn 351 should include compartment for audion detector; fwds print (not recd).W To--Gives information reqted.4/2
~~299044~~			
219044	3-16	Director Nav Com	Copy of letter to American R&R Co. stating their station will not be closed; required for test purposes in connection Govt contracts.W.
220539	3-31	American R&R Co	Fwds photos of shops and reports on recent extension; can accommodate more business than Navy is giving. W
220610	3-29	Institute Radio Engrs	Asks if article by Alendersen, on Deuplicate Radio Telephony is to be considered confidential.W. To--Advisable to keep secret.4/3 To--Acknowledges.4/17
220123	3-27	DeForest Co	Fwds prints on re-adapter plugs Dilecto.W.
220634	3-22	Marconi Co	Asks if they are to purchase detector bulbs and audion control box from DeForest Co in connection with their cont on reqn 351. W To--Will not equip with audion apparatus.4/3

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APPARATUS 876

Number.	Date.	From or To—	Subject.	
	To S&A--Shipt reqt.4/30	RB 5-14	DELWARE shipping short wave receiver to Wash Yd 4/16	
206701	CARD 103		To S&A--Reqt shipt of ultraudion from UTAH to Wash for disposition. 4/2	
	Fwd NY--4/14	RB 4-25	To S&A--Reqt shipt of receiver from ARKANSAS to Wash for disposition. 4/7 SEE CARD 116	
	To WYOMING--Ask disposition of arc receiver. 4/18		CO WYOMING 4/10	
	To DELAWARE--Gives test to make. 4/23		WYOMING 4/23	
220822	4-4	Standard Radio App Co T	Located Ocean Park, Calif; gives capacity for supplying sets for submarines. W	
			To--Arrgts already made for purchase.4/7	
220786	3-19	Western Elec Co T	Quotes price on lots of 15 radio sets; original price quoted on lot s of 25. W	
220825	4/3	To Fed Co T	Reqt price and delivery loading coil adjusting coil, absorbing coil and wave changer, 30 K.W. W	
			Fed Co (T) quotes price 4/6	
220973	4/4	To Marconi Co	Fwds copy of blueprint specns, for 1/2 K.W. motor boat radio sets. W	
			To Triumph Elec Co--Ditto. 4/4	
221041	3-30	Manhattan Elec Sup Co	Has complete stock of radio apparatus at NY store.W.	
220963	3-12	Gunner D.McWhorter	Submits sketch of proposed type radio practice set for use .W	

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APPARATUS.

Number.	Date.	From or To—	Subject.
219824	3/27	To NY T	Report number half K.W. panel radio sets available with assignment. W NY (T) gives number of half kw radio sets in store unassigned and list of those assigned to the N and O boats 3/28 To--Radio sets assigned to N Boats, reassigned for installation on THORNTON DE LONG DAHLGREN and TINGEY. 3/31
219888		CARD 106	Wireless Improvement Co request schedule covering 3/23
198475		SEE CARD 84	To Bost--Directs proceed with manuf of 5 distant control systems auth, and add'l system for Great Lakes. also directs fwd certain plans to Bu. W 854

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
219968	3/28	To Fed Co	Fwds portions of arc specns RE 13A 113A, also prints of drawings listed. W
Reserve Mat 2	3/28	Fwd S&A	Radio sets. Rec award to Marconi Co. WR
Reserve Mat 1	3/28	Fwd S&A	Rec of award for radio sets. WR To S&A--Rec award of 25 sets to Wireless Specialty Apparatus Co. 4/2
220172	?	Monfort, IM	Offers to sell Rhumhorf coil. W To--Acknowledges.4/4
220168	3/30	Emil J. Simon T	Cannot secure delivery of ~~rad~~ generators from Crocker, Wheeler in time to deliver 30 sets in 60 days; request Bureau's assistance.W To--Crocker Wheeler Co will supply infor.4/3
220278	3-29	American R&R Corp	Fwds description of radio sets for motor boats; have not yet received contract covered by reqn 351.W
220328	3/30	To Atl Flt	Fwds plan of radio buzzer instruction sets. Bu preparing supply for instruction. W At Flt reqt plans; 1-4
	4/18	Atl Flt	Plans satisfactory - requests sets be expedited W Atl Flt fwds print 5-2

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APPARATUS

Number.	Date.	From or To—	Subject.
218924	3/21	To S&A	Reqn for 135 1/2 K.W. Radio sets, add'l. Reqt action be taken to have bids submitted by March 27th. W
218933	3/21	To Wireless Spec App Co To E.J.Simon To Marconi Co.	Crocker Wheeler Motor generators will be required for 135 1/2 K.W. sets, bids to be opened March 27th. W Simon lists switchboard instruments will furnish if Weston Co unable to furnish instruments specified on contract in time 3/26
219074	3-14 3-19	DeForest Co & letters	1/2 kw sets for submarines chasers; fwds prints; gives detailed info.W
219075	3-17	Cutting & Washm T	Request dimentions of antennae for motor boat sets.W.
219275	3-22	NY	1/2kw radio sets; re uest instructions re changing wave lengths.W. To--Instrns.3/30
217877	VOID SEE 217866-876		Wash Report on test of sample radio sets submitted by the Wireless Improvement Co 3/23
219454	3-23	Marconi Co	Request specns of all apparatus forming part of tenders since Jan 1. W

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
219298	3-19	Higgenson, Gibson Co	Are equipped for supplying various radio units.W. To--Arrgts made for supply. 3/30
219416	3-24	Lowenstein, F T	Request assistance in securing early delivery of Crew machine from Warner Swasey Co. W To Warner Swasey Co--Quotes above tele, and reqts expedite material. 3/26
219584	3-24	NY	Reports forwarding booklet of instructions for 5 kw Lowenstein set to 7 yards; 2 letters.W
219616	3-23	Thompson, RE	Reports severence Wireless App Spec Co. W. To--Acknowledges letter. 3/24
219494	3-21	Reboul, TT	Offers 1/2 kw set to Navy; Clapp Eastham.W To--Acknowledges. 3/27
219646	3-21	Enterprise Elec Co	Are in position to build 50 radio sets; asks specns.W. To--Arrgts made.3/30
	To--Question handled directly by shipbuilders. Lists. 4/20		
	Co reqt list of shipbldrs who are building large wooden vessels for carrying cargo 4/23		Co acknowledges; asks if any opportunity for elec work on Chasers 4/3
219872	3-27	Enterprise Elec Co 6/5 Fwd. NY L29 6/13 received back 7;1 NY	Fwds book of instructions for Simon 1/2 kw set.W.
219888	3-26	American Tel Type Co	Washn Reqn No 1; agrees to manufacture 150 1/2 Kw sets for Wireless Imp Co. W
	To Wireless Imp Co--Acknowledges.3/30		
	3-26	EJ Simon	Auth Wireless Imp Co. submit bid on his app.W
	To--Acknowledges.3/30		To--Acknowledges letter.3/30
	3-26	Wireless Imp Co.	Will bid on Simon App mfg by American T&T Co W

CARD 107

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.
217715	3/13	To Cutting & Washington	1/2 K.W. sets, conform specns RE 13A 114B. In lots of 5, 10, and 15. Detailed comments re requirements. W Cutting & Washington gives description in connection with 15 half kw sets, bids to be opened March 27th 3/26
218116	3-13	DeForest Co	Lists 500 cycle apparatus in stock slightly used; and quotes price.W.
218177	3/15	To Dept	Reqt auth to establish appvd list of manufacturers of radio apparatus. W
218225	3-14	Wireless Spec App Co	Fwds copy of minutes of Board Directors severing John Firth connection with that company; gives future mailing address.W. To--Acknowledges letter.3/17
218215	3-15	John Firth	Reports severing connection with Wireless Spec App Co.W To--Acknowledges letter.3/19
218353	3/14	Automatic Communication Co (Atlantic)	Have negotiated sale of 1 kw sets to Siemans Co, Buenos Aires; sets are in bonded warehouse; period expires Apr 7; will either have to pay duty or reexport; asks if Navy objects to proposed sale.W To--Reqt Bu representative be allowed to inspect set.3/19 Atlantic Com Co arrangement for Mr. Hill to examine; states price will be increased at least 20 per cent if Dept cannot arrange to pay duty 3/21 Atl Com Co request action 3/27 Atl Com Co (T) request action 3/29

To--(T) Have rec sets be purchased by Navy. 3/29
Atlantic Comm Co (T) request early decision 4/4
To--(T)Recn will be prepared for 10 radio trans duty paid. 4/4
Atl Com Co relative to shipment of apparatus to Buenos Aires 4/19
Atl Com Co request be protected in case infringements 4/14
Fwd S&A--4/23 To--4/23

CARD 125

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
218387	3/17	Fed Tel Co T	General Elec Co state specification for power machinery received from Bureau differ from power machinery specifications in new arc specifications furnished Fed Co.W To--(T)Specns similar except elaborated on to include 17 A3C, which referred to previous specns. 3/17
218514	3/17	To Phila	Vandykes of all contrs prints should be fwded to NY for numbering under the co-ordination system and for distribution to various yards. W
218680	3/19	Fed Tel Co T	Do 30 kw arc sets for ship use have transmitter with 10,000 meter maximum wave on .003 antenna.W To--(T)Gives maximum. 3/20
218484	3-16	Norf	Fwds vandykes of contractors descriptive matter covering controller apparatus from Cutler Hammer, reactances from Marconi Co.W.
218664	3/20	To Yards Programme under Radio	Annual contracts, covering radio stock material. Directs submit reqns for material to be purchased on annual contract be submitted at an early date.W Eng't will submit May 7th 3/31 NY detailed recommendations 5/16
218963	3-20	NY Photos	Radio photos; including SAMPSON, Fire Island, and light ship; fwds.W. To--Instrns. 3/27 NY Fwds corrected numbered photograph to as requt in letter of Mrch 27.4/28

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APPARATUS: RADIO. CONTINUED FROM CARD 104

Number.	Date.	From or To—	Subject.	
217866		APPARATUS: MOTOR BOAT TYPE: REQUISITION 351.		
	3/21	Crocker, Wheeler Co T	First lot generators will be ready 35 days from date.W	
	3/21	Crocker, Wheeler Co	Will endeavor to expedite deliveries.W	
	3/22	Amer R&R Corp To--(T) Cannot rec inc price account supplying Crocker Wheeler generators. 3/24	Offers to supply Navy standard type of receiver and aero thrust and Crocker-Wheeler generators in lieu of Hendee bid on.W	
	3/22	To Wireless Spec Ap Co	Acknowledges letter March 19th. Notes representative will call at Bu. W	
	3/28	Amer R&R Corp	Western Elec Co refuse to expedite delivery on condensers unless informed by Navy Dept same are military necessity 3/28 To--Prefer to have Dubilier protective devices on sets. 4/4	
	3/23	Wash	Report on test of sample radio sets submitted by the Wireless Improvement Co .W	
	4/2	To Wireless Equip Co	Submits report of tests on trans sets. W	
	4/3	Wireless Equipment Co	Additional data on sample sets submitted.W To--4/21	
	4/7	Amer R&R Corp	Difference in price between Dubilier and another condenser.W	
627 to 634		See these contracts, covering.		629

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Number.	Date.	From or To—	Subject.	

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APPARATUS

Number.	Date.	From or To—	Subject.
217089	3/6	To E.J.Simon T	NY will laon 1/2 K.W., if is available. W To NY--(T) Auth loan. 3/6 E J. Simon Radio set still required W Fwd NY via S&A--5/8
217377	?	~~Standard Radio App~~	Reports entering into radio field; apparatus designed by former Marconi Engineer; solicits business. W
216233	SEE CARD 103 To Fed Co--(T)Comments re contract. Regg be advised when contr executed. 3/15		To Fed Co--(T)Comments. 3/10 Fed Tel Co (T) submits 2 arrangements on which they will furnish sets; actual cost plus same profit as last year or will furnish at a flat price quoted 3/13 Fed Tel Co(T) will execute proposals and fwd immediately; are ordering all material and equipment necessary 3/17
217526	3/10	To Cutting & Washington T	1/2 K.W. motor boat radio sets. Understand firms instend submit Pormo engine, available for immediate delivery. Directs comply mimimum weights specified. W
Bu 351	3/10	~~ToFirms~~	Lists changes to be incorporated in specns RE 13A 117A. WR
217725	3-9	Clapp,EasthamCo	Request be given opportunity to submit bids for present requirements.W.

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
217866	3-12	Sperry Co	Gives description of apparatus, motor boat type covered by bid on reqn 351.W.	
	3-12	Wireless Equipt Co	ditto To--Will furnish results of tests.3/15 Fwd Wash--Instrns.3/15	
	3/12	De Forest Co	2 letters.W To--Reqts sets be standardizied. 3/20	
	Rec'd 3/15 " " " " 3/14	Amer R&R Corp NatlSignalling Co Cutting & Washington Western Elec Co	To Crocker Wheeler Co--Reqt delivery of generators be reduced to less than fifty days.3/19 Fwd S&A--Detailed rec of award on reqn 351.3/19	
	3/14	De Forest Co	Request authority to order first lot of generators for motor boat sets from the Elec Spec Co on account of quicker delivery than Crocker-Wheeler.W	CARD 104A
	3/17	Natl Elec Sig Co	Relative to high price quoted; states was based on assumption overtime and rush work would be expected 3/17.W To--Acknowledges letter.3/17 (Asst Sig)	
217902	3-13	DeForest Co	Request print, specns,etc for radio receiver and portable field radio transmitters.W. To--Fwds copy of b/p specns. 3/26	
217903	3-13	American R&R Corp	1/2 kw sets; requet plans and specns.W To--Fwds specns RE 13A 114B. 3/16	
217921	3-11	Cutting & Washn Co T	Representative will arrive Monday.W	
209134	12/8	Washn	Fwds semi-monthly radio report and drawings To--Appvs drawings. 3/13	

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APPARATUS:

Number.	Date.	From or To—	Subject.
215928	2-24	NY	C Maroni Co request be placed on list for allrevised specns.W To Marconi Co--Fwds specns of panel radio sets. 3/2
215411	2-20	TO Phila	Manufacture of induective shunts for use with ship; submit plans and est for mfg 20.W Phila cannot complete experimental work before May 1st 3/9
216099	2-27	Beekman, RA T	Request complete copy specns for arc sets.W. To--Gives requirements. (T) 3/1
		To--(T)Ask if material for 20 30 K.W. sets been ordered, and est delivery.3/9	SEE CARD 104
216233	3-1	Fed Tel Co T Co (T) actual loss of material furnished at old prices $10,000 on one order; revision absolutely necessary 3/10 Co if Dept aids in securing material can promise dely starting 60 days, complete in 90 days;	Proposals for 7 20kw and 5 30 kw sets; reqn 223; will be higher than last lot; suggests Sweet check up costs in connection with quotation.W. Fed Co compelled to take up question of revised prices on account of inc in material; agrees to renew license agreement old terms 3-7 To--(T) Gives Bu understanding of prices.3/3
215977	2/27	To S&A	Orders not definitely placed (T) 3/10 Reqt shipt of three 2 K.W. rotary spark gaps from Phila to M.Ia. W
		To CONN--Audion amplifier will be retained 3/23	
206701		SEE CARD 99 DEL 3-13 CONN 3-11 SO CAR 3-12 PENN 3-12 OKLA 3-12 To NY--Detailed comments re revision of drawings.3/17 To OKLA--Add'l short wave and long receiver will not be furnished. 3/21 To S&A--Reqt shipt of receiving sets from SO CARO to Wash. 3/21 To NY--Instrns re install of radio equipment on IDAHO. 3/22	To WYOMING SO CARO CONN DELAWARE OKLA PENNA--Appvs standard radio and receiving equipment. 3/1 To S&A--Reqt shipt of apparatus to above ships. 3/1 To ARIZONA FLORIDA ARKANSAS UTAH--Appvs standard radio and receiving equip.3/2 To S&A--Reqt shipt of apparatus to above ships 3/2 To Indian Head--Reqt comment and rec as to whether stand plans for antenna on battleships should require wire or hemp halyards. 3/3 UTAH 3/17 ARKANSAS 3/21 CARD 108

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APPARATUS 876

Number.	Date.	From or To—	Subject.
210866	CARD 99		Directs supply Phila with booklet giving plans and description of Lowenstein 5 K.W. set on contr 26028. 3/3 To Phila--Appvs drawing as standard showing arrgt of radio room for 5 K.W. sets. 3/3
210866	4/18	Philadelphia	Forwards plans requested in letter of March 3rd W
216657	3-3	Washn	Fwds radio plans. W
205091		CARD 96 CROSS	Radio Engineering Co Bu is under misapprehension; do not feel under compulsion not to market their device 3/2 To Radio Eng Co--Acknowledges letter. 3/9
216762	3-3	NY	Fwds prints battle radio in tallation; telephone ~~ine~~ extension from. W.
216610	2-26 To--(T) Desire one size all sets if practicable. 3/15	Fed Tel Co	Fwds vandykes showing overall dimensions of apparatus as supplied San Diego for guide in laying out future radio buildings; States apparatus San Diego too crowded. W. Co fwds additional photostat prints 3/8 Fed Tel Co (T) states anoid parts are interchangeable on 20 to 100 Kw arc sets except length of holder piece 3/15
216630	3/3	To M.Is. T	Reqt overhaul dimensions new selfcooled 5 K.W. quenched gap, also length, width, base and date fwding complete plans. W M.Is (T) gives overall dimensions; will fwd prints Mch 24 3-23

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APPARATUS. 1917

Number.	Date.	From or To—	Subject.
214646	2-10	Washn	Fwds radio drawings.W.
214657	1-26	Marconi Co	Reorganization of engineering force to permit them to devote more time to engineering wrk.W
214731	2/14	To M.Is. T	Reqt rec on revision arc specns. Lists methods recommended for varying flux for different wave lengths. W M Is recommendations (T) 2/16
214449	2/14	To Yards	Revision of specns for shore station equipment. Reqt recommendations. W To Atl & Pac Flts--Ditto. 2/15 Atl Flt 2/26
214450	2/15 To Gen Elec Co--Fwds b/p specns of panel radio transmitters.3/7	To Firms	Revision of specns RE 13A 111C, RE 13A 112B, RE 13A 114B, and RE 13A 115B. Reqt rec and criticisms. W Lowenstein 2/15 De Forest Co 2/16 To Lowenstein-- 2/23 GE Co 2/27 Natl Elec Sup Co comments on 2/23
215007	2-16	V.Brown T	Asks if James B Miller formerly Wireless Instrument Co. has visited Bu since Jna 27; W To--(T)Not known. 2/16
215037	11-27 To S&A. Reqts. cancellation of ord. of 9/19. 12/4	To S&A	Rqst cancellation BUSE Shipmt order #215037,W S&A-Returns ship order with out action 12/2
215008	2/16 ficient for sets up to 500 kW 2/17	To Fed Co	Reqt rec, requring arc direct current gen frame grounded with windings insulated for 5000 volts, continuous service and 1/10 microfarad mica protective device installed. W Fed Tel Co (T) recommends against mi crofarad condensers with protective devices; insulation for DC wire 1500 volts in lieu of 5000 suf-

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
215061	2/17	Fwd Wash 897-1	Chief of Operations directs that field radio pack equipment be furnished Office of Nav Intell. Auth laon of, and lists material to be assembled. W RB 3-16 To Operations--Have auth loan of. 2/17 Fwd Nav Intel--4/9 RB 4-14
215087	2/17	To Panama Canal Com	Fwds 2 copies of blue print specns for 1, 2, 5 and 10 K.W. radio transmitters.W
215316	?	Fed Tel Co	Comments on new arc specns.W. To--Comments on criticusmns and questions. 2/23 Fed Co personal; supplementary letter on memorandum on new arc set specifications 3/8
215297	2/19	To De Forest Co To Nat'l Elec Sup Co.	Fwds copy of blueprint specns RE 13A 107A, for simplified type low power oscillion radio sets.W
215361	2-13	M.Is	Submits list of material desired for radio stock at yard.W To--Are revising catalog. 3/2 M Is porcelain insulators required are standard G E stock; reqt be added to stock list 3/13
215481	2-20	Supervisor NA	KANAWHA; CUYAMA; and at least 4 colliers of JASON type should be fitted with high powered radio sets.W. BELOW Fwd Dept via C&R--Rec appvl. 2/26 RB 3-9 Fwd Dept via Operations.3/10 RB 4-7
215675	2-21	DeForest Co	Request b/p and specns for high powered oscillion sets proposed for submarines.W
215481		ABOVE	C&R copy of action taken, Norf, NY and Bos t 4/27 Navigation - copy of letter relative to personnel for high power radio sets on auxiliaries 4/28 W To C&R--Re height of masts on destroyers.12/6

To--Bu has no prints. Reqt drawings be fwded to Bu when completed.4/18
M Is are forwarding insulator drawings 5/14

Fwd C&R--4/12 RB 4-28
To C&R--Gives dimensions of new size of radio room.4/20 See CARD 191
C&R 12-12

To Norf--Instrns re installations on various vessels. 1/9/18
To NY--Instrns re install of gen sets on PROTEUS & JASON. 2/27 To NY--Instrns re install of gen sets.3/5

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APPARATUS

Number.	Date.	From or To—	Subject.
213345	2/3	To NY	Reqt plans and ests for manuf of eight 5 K.W. Navy Type, wave changers with loading coils complete. W NY submits estimate and plan 2/16 To--Directs manuf for stock.4/6 To NY--(T)Reqt other ests.4/7 NY submits estimate 4/12 To--Appvs ests.4/16
213674	2/6	To Fed Tele Co T	Reqt infor re delivery each set contr 784, 119, 120. All sets required military emergency.W Fed Tel Co (T) status of delivery; reports 2/7
213515	2/6	To Atl Flt	Reqt infor as to specific battleships not at present equipped with an auxiliary radio room, and for which such a room is recommended. W Atl Flt lists ships not equipped with auxiliary radio rooms and recommends locations 3/15
	To NY--Reqt est for install on TEXAS. 4/16 To NY--Reqt est for NEW YORK.4/16 To Norf--Reqt reply. 5/17 To Norf	SEE 229840 5-22	To Norf--Reqt est.~~xxx~~ install room on UTAH.4/16 To Norf--Ditto for FLORIDA.4/16
213763	2-5	McClintic, Hon JB	Request list of radio stations and data on radio experiments be sent to O.Wood. W To--No literature available for distribution. 2/12
213900	2-7	NY	Have received request from M.Is for F size sheets; request action on stock list submitted Feb 3.be expedited.W
213967	2-6	NY	Fwds description 1/2 kw sets furnished by Wirless Imp Co. cont 19921.W

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APPARATUS 876

Number.	Date.	From or To—	Subject.
214053	2/9	To S&A	Reqt shipt of one wave meter oscilliometer from NY to Wash. W
214361	1-12	NY Personal	40 1/2 ke sets; recommends division of award among 3 companies; suggests Western Instruments be specified for. W
214429	1-10	Fed Tel Co Personal	20 and 30 kw sets; Honolulu, S an Diego; direction finder, etc. W
214365	2-5	Pac Coast Supt	Request be placedon mailing list forsemi-monthly radio reports. W To--Fwds copy of and places on list. 2/15
214520	1-26	Washn	Radio apparatus required to fill M.Is stock allotment; reports inability to of Washn to furnish; request instructions. W Fwd Wash--2/16 RB 2-23
214525	2-11	NY	Reports on EJ Simon coupling compen sator on 1/2 kw sets; cont 26106; recommends against acceptance and that this device be not considered on future bids. W To E.J.Simon--Contr 187 and 28896. Directs fwd drawings with comment to NY. 2/17 To--Directs obtain drawings from Mr. Simon and fwd to Bu. 2/17 Simon fwds prints of new wave changer to apply to contract 23896. 2/19 NY fwds print showing type of wave changers, loading coils, etc 2/26
214553	2/13	To E.J.Simon	Thermo couple not satis for further adoption in service. W Simon asks if Bureau desires to furnish thermo couples of their manufacture 2/16 To--Comments on. 2/19

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APPARATUS. 1917

Number.	Date.	From or To—	Subject.
211796	1-13	M.Is	Distant control for radio shore stations; fwds set of plans.W
210865	SEE CARD 99	To NY--Ask if have sufficient infor om hand for booklets.3/10 NY fwds booklets of 5 kw Lowenstein sets; will ship set now undergoing test to Bath 3/21	To Phila--Norf--Bost--NY--Directs fwd plans and descriptive mater of radio sets to NY. 1/18 Phila states data will be forwarded to NY Jan 25 1/22 Norf data will be forwarded to NY by Feb 12th, with certain exceptions 1/23 Bost plans and descriptive matter will be forwarded to NY and Bu Feb 10 1/24 Bost fwds plans 2/10 Norf fwds plans 2/13
211880	1/18	To Federal Tele Co To--T) Reqt drawings be expedited. 2/28	Reqt plans and descriptive matter on 200 K.W. arc radio set being supplied for San Diego. W Co will send information at an early date 1/23 Fed Co overall dimensions plans fwded Feb 25th; wiring diagram for power machinery will be mailed March 3 3/2 (T)
211981	1-15 1-18	Hallborg, Expert Aide Norf	Request authority to publish article on "Primary wattmeter method for determining loss in frequency".W To Norf--Grants appvl to publish/ 1/23 Norf fwds copy of article 1/30
212053	1-11	M.Is	Arc sets; anode tips received from Washn Yard are nicked and deformed due to improper packing; bearing surfaces will needrefacing.W Fwd S&A--For action. 1/22 RB 2-8 To--Gives Wash comment on. 2/14

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
212129	1-18	Bost	Instructions for installingand operating signalling distant control. Fwds.W	
212189	1/22	To Phila T To--Instrns re future investigations of inventions. Fwds copy of testimony of Mr. Chambers before Committee on Merchant Marine & Fisheries. 1/30 To F.B.Chambers--Comments on device. 1/30	Reqt telegraphic report Phila investigation radio invention Chas H. Stewart about a year ago: also description of and reasons for dropping. W Phila no knowledge of radio invention by Stewart; reports with dealings with W. W. Miller of Ardmore 1/23	
212280	1-15	Pug Sd	Fwds vandykes arrgt radio room on gun boats; Lowenstein apparatus.W	
212691	1-24	NY	20 kw Federal Arc sets; fwds drawings and booklet of instructions (booklet not recd).W	
213 091	1/31	S&A	Standard stock catalog cuts 16; radio apparatus; Norf unable to supply additional copies	689
213283	2/2	To Fed Tele Co	Reqt infor as to improved method of insulating the copper electrode holder of arc transmitters.W To--Comments on breakdown at Darien. Fwds drawing of porcelain sleeve jacket for anode holder. 3/22	
213406	2-3	NY	Estimate for drawing material required for radio plans next 6 months. W NY request action 2/18	
213449	2-2	American R.Research Corp Amer R&R Corp request additional data and specifications 2/20 To--Fwds b/p specns for radio trans sets.2/27	Request drawings of containers for audion bulbs, and specns for transmitting sets.W To--Fwds blue print of quenched gap trans sets. 2/6	

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APPARATUS. 1917

Number.	Date.	From or To—	Subject.
210491	12-13	Mass NM	Request information re Poulsen and Federal Arc systems for preparing men for examination. W Fwd Nav Mil--1/17
210431	1/4	To Bost	Reqt Vandyke of RB 62A 101A, 102A and 103A. W Bost fwds prints 1/9
210469	1/4	To Chasn	Radio telegraph - semi-monthly reports. Instrns in connection with. W
210551	1-4	Washn	Fwds vandykes and prints of various radio plans. W
210714	1/6	To NY	In recording all radio drawing numbers, directs use alteration letter. W
210769	1-5	At Flt	Standard plans; allowance radio; recommends changes in. W. To Atl Sub via Atl Flt--Gives action. 1/12
210865	1/8 to draw up description and plans 1/13 SEE CARD 100	To NY	Booklets giving drawings and data on radio sets. Reqts be fwded. W NY reports dist vyke 3-30 NY will fwd drawings and data for Lowenstein sets about Feb 15th; not sufficient equipment yard, to assemble 5 kw transmitter in order
210866	1/8 Phila (T) plan will be forwarded Feb 7th 2/5 To--(T) Reqt plans be expedited. 2/5	To Phila	Reqt detail plans for install radio sets on destroyers under construction. Reqt Vandykes latest standard plans. W Phila plan 2-6 Phila fwds vandykes 2/7 Card 103

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APPARATUS 876

Number.	Date.	From or To—	Subject.
210906	1-8	NY	Alcohol tank for arc set; present locations on upper deck radio station contrary to regulations; recommends special compartment be built for. W Fwd C&R--With rec. 1/11 RB 2-12 Fwd C&R--2/14 RB 2-17
211193	1/11	To Norf	Semi-montly reports should contain radio drawing number: None on report of Jan 2. W Norf returns properly numbered 1/30
211291	1-3	M.Is	Arc apparatus; improvement in design of; fwds reports on magnetic circuit, arc high frequency generators; recommends all contract specns be referred toYard before approval W (Cross to generating sets)
		SEE CARD 103	
206701	SEE CARD 97 Phila will make reply Jan 27 1/22 Navgn lists vessels for which gyro compass repeater will be purchased for radio direction finder station fwds sketch 1/20 To Yards--Auth wiring for. 2/7		To S&A--Reqt shipt of Marconi wave meter from Wash to Ports for radio station. 1/15 Pug Sd 1/13 To NY Phila M.Is. Pug Sd--Reqt reply to letter 12/18, 1/18 NY 1/18 Atl Flt 1/24 Phila 2/3 M Is submits report 2/2
211545	1/15	To Sperry Co	Not Bu intention to purchase any more 1/2 K.W. radio transmitting sets than those advertised for. W
211613	1-13	NY	Marconi 5 kw radio sets; booklet of instructions.W
211753	1-15	NY	Suggests cooperation between Dept and manufacturers to prevent company experimenting with appratus that will not meet naval needs; recommends radio aides be permitted to work with companies. W

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APPARATUS: 1916

Number.	Date.	From or To—	Subject.
208515	12-12	GE	Reports receipt of order from Fed Tel co for switchboard equipment for 20 and 30 kw sets; request certain data relative to name plates. WS
		To--Gives assignment of arc sets. 1/30	
		G E Co fwds prints of nameplates proposed for Fed Co's apparatus	2/5 GE radio name plates; fwds print of proposed modification 1/12
		To--Satis. 2/14	To--Modification satis. 1/18
		GE - M Is conts 119 & 120	Masks which for shore and which for stations on ships 1/22
208636	12/14	To M.Is.	Reqt copy of drawing RM 61F 102A. W
			M.Is fwds plans 12-27
208711	12-13	McCaa Radio Co	Request be placed on mailing list radio specns.W
			To--Fwds certain specns. 12/18
			McCaa Co. will postpone test 12-17
			To--Acknowledges letter. 12/22
208833	12/16	To Pug Sd-	Comments on business-like manner in which radio manufacturing at Pug Sd has been carried out. Indicates efficiency of radio personnel particularly Expert Radio Aid R.H.Marriott. W
208980	12-8	M.Is	Reports inaccuracies in drawings furnished by Fed Tel Co. for 20 kw arc sets.W
			To--Instrns. 12/21
			To Fed Tele Co--M.Is. will fwd list of errors for corrections. 12/21
209141	12-19	Dist Radio Supt,Washn	Outlines arrangement of relays and switchboards for distant control used at Arlington Station/ recommends similar installation all distant control stations.S
209204	12/20	To Norf	Radio telegraph. Reqt 2 sets of vandykes RN 23F 102A. W
			Norf fwds vandykes 12-30

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.
209820	12-26	Norf	Fwds radio tuning record spark and arc sets in connection inaccurate calibration of sets; request Yard be supplied with additional decremeters for laboratory; (Laboratory, Norf)
209684	12/28	To Atl Flt	Radio material-Report to be submitted. List requirements in report. W
	To Yards--Gives shcedule for tests of arc sets with instrns. 2/14		To Pac Flt--Fwds copy of above letter for rec. 12/28
	Atl Flt fwds copies of reference 2/11		To Asiatic Flt--Ditto. 12/28
	Atl Flt nothing except rush work to interfere with weekly arc test 2/2		Atl Flt recommends certain schedules for mtest of arc sets 1/26
	Asiatic Flt fwds report on radio material of fleet (2 reports) 6/30		To--(T) Appvs rec as to test. 2/10
210106	12-30	Pug Sd T	Marriott has not written not will he speak before Institute Radio Engrs. W
			To Pug Sd--(T) Bu Appvl must be given before R.H.Marriott can read paper on U.S. Naval Radio Service before Institute NY Jan 3rd. 12/30
210142	12-20	M.Is	20 kw arc radio apparatus; unable to furni h detailed plans until apparatus now being purchased is recived.W.
210264	12-30	NY	Fwds booklet working drawings and description 20 kw Fed arc set cont 346. W
		1917	
210323	1/3	To Phila NY Bost T	Arc radio set specns revision. Ask desirability specifying maximum voltage of 600 volts for 20 K.W. arcs instead of 750 stop.
			Phila (T) submits recommendation 1/4 Bost (R) 1/4 NY (T) 1/6 NY (T) 1-5

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[OVER.]

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APPARATUS. SEE CARD 89

Number.		From or To—	
	To Ports--Lists changes to be made in wave meter. 1/10		To S&A--Shipt reqt wave meter to Wash. 1/10
	To--Comments and rec. 12/21		To Wash--Instrns in detail re overhaul. 1/10
206701	11-23	At Flt	Radio standard plans; allowance lists for BS and BC. Comments on. W
	To C&R--Gives report in detail of radio standard plans for battleships and battle cruisers by Atl Flt. 12/18		To Nav Communi--Quotes from report of Atl Flt. 12/11 Chasn 12/28 Ports 12/30 To Navsgn--Appvs install of repeater compass for radio direction finder station. 12/14
	To Yards--Radio tele--Gives report Atl Flt re wave lengths. 12/18		Bost 12/23 (For Norf reply see 209820-876)
206739	11-15	M.Is	States antennae solenoid switch received from East coast unsatisfactory; rotary spark gaps received after departure of ships assigned to; request instructions re disposition. W To--Instrns. 12/1
206738	11-14	M.Is	Submits list of items directed for stock by Bu letter of Dec. 1915, 159880; does not appear in standard stock catalog; request instructions relative to assembling. W To--List will be considered in revision now being made. 12/1
207903	11-28	Marconi Co	Fwds copy of letter to Norf relative to rejection transformers and reactances
207059	11-24	M.Is	20 kw arc apparatus; request data on size of carbons. W Fwd--Ask source of supply of arc radio carbons. 12/5 RB 1-8 Fwd Wash--1/9 RB 1-23 Fwd M. Is.--1/29 RB 3-2 M Is correspondence returned Feb 21st 3/5
207078	12/2	To Atl Flt	Reqt copies of corres to Force Commanders re changes in standard radio install plans and in standard radio allow lists. W Atl Flt 12/5
207107	12/2	To M.Is.	Reqt probable date completion of 2 20 KW arc radio sets. W M.Is (R) gives time 12-4

N.S.E. Form 134.

APPARATUS. 876

Number.	Date.	From or To—	Subject.
207159	11-15 12-2	Simon, EJ	1/2 kw sets; offers to furnish 10 additional sets at same price as those being furnished on cont 26106.W
207212	12-5	Fed Tel Co T	Switchboards on conts 119, 120; are not furnishing bus bars and terminal boards; NY states required; request instructions.W Fed Co (T)GE Co advise delayed requesting interpretation certain 12-27 To--(T)Require busses and terminal boards. 12/28
208972	12/7	Phila	Recommends changes in specifications for radio transmitters, name plates, etc.W To--Concurs. 12/26
208048	12/11	To Gen Elec Co. To Crocker Wheeler Co. To Westinghouse Co. To Westinghouse Co--Acknowledges letter. 1/13	Fwds preliminary copies of specns for motor-generators, starters, and switchboard apparatus for use with radio transmitters of arc type Reqt comment on revision. W Crocker, Wheeler Co engineer is making up report on basis of 5 and 10,000 volt insulation 12/22 Westinghouse E&M Co comments 12/28
208231	12/11	To Chasn	Reqt Vandyke and white print of RC 65F 118A. W Chasn 12-14
208372	12/12	NY	Radio telegraph; index of drawings; fwds.W
208373	12/12	NY	Fwds description of a 2 kw Marconi set furnished on contract 18623.W

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[OVER.]

APPARATUS

Number.	Date.	From (T) To	Subject	
		To Bost--Fwds blueprints as listed.9/19 To M.Is.--(T)Reqt report progress radio.9/7 M Is (T) states reports mailed Aug 30 9/7	To Bost--(T)Ask when report drawing nos will be fwded.9/26 NY 9/6	
205023	11/9	To Yards Norf fwds prints 8/9 NY fwds report on progress 8/11 Phila 8/13 Bost 8/13 Pug Sd 8/13 To NY--8/17 Phila 8/17 To NY--8/28	Manufr of 1917 order of 5 K.W. and 2 K.W radio transmitters on Atl and Pac Coasts. Instrns re corres in connection with. W To Phila--Instrns. 12/1 To Phila--Reqt re-submit ests. 12/5 To Yards--Further instrns. 12/18 To Yards--Assigns order numbers. 3/21 To Yards--Fwds Vandykes. 8/3/17 Fwds radio plan received from Norf.W	CARD 138
205107	11-7	Washn		
204943	11-1	Pensacola Fwd Dept--Have auth install set. 12/1 (T) To-Reactances will be shipt 12/2. To NY--Instrns. 11/20 To Dept--Rec DAVIS be made avail	Reports hearing New Orleans arc signals on local telephone line; opens up question of secrecy of arc signals.W Fwd Nav Comm--Noted. 11/11 11/21 RB 12-5 for install.11/20 NY (T) shipped 11-27 11-25	
205174	11/9	To NY T To S&A--Reqt shipt be expedit.11/20 NYwave changers and loading coils; recomassignment DAVIS, ROWAN, WILKES; SAMPSON 11-18. To Phila--Reqt plans be expedited covering install on WILKES.11/20	Report details letter uncompleted work assembly sencond 5 KW type radio sets. W NY sets complete except wave changer, loading coils, reactance 11-17 To--Ask how far wave changers and loading coils have progressed. 11/15	OVER
205272	11/11	To Sec'y War	Fwds copies of standardized specns for radio transmitting and receiving sets. Suggests all departments should standardize on this material. WE War Dept will cooperate 12/4 To Secy Treasury--Reqt comment on standardization of specns and use of Navy's specns by Coast Guard. 12/11 (Sec Sig)	
205091	11-6	Institute Radio Engrs S. A. Harris Co expect to be in Washington in 3 weeks 12/5 Univ of North Dakota reports results of experiments carried out with the Great Lakes Station 1/30 To Prof R.A.Berg--Reqt any discoveries in connection with this matter be not published. 2/13 Berg will keep data secret 2/15 To Berg--Acknowledges.2/20 To S&A--Reqt Harris name be placed on list of radio material bidders 2/26	Prof Taylors article on possibilities of concealed receiving set; request Bureau negotiate direct with writer relative to holding up publication.W To Prof Taylor--Reqt publication of be withheld for time being to keep away from foreign navies. 11/9 To--Fwds copy of letter to Prof Taylor. 11/9 Prof Taylor agrees to withhold publication 11/? To Prof Taylor--Acknowledges. 11/29 To W.S.Harris--Reqts come to Wash and discuss matters. 11/29 To W.S.Harris--Have placed name on list.2/26	CARD 103

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N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.	
205474	119-	At Flt	Protected cruiser class; criticisms of standard plans and allowance list.W.	
205634	10-28	At Torp Flt	Standard radio plans and allowance list; comments on.W	
205771	10/2	Asiatic Flt	Arc signals;submits report on various instruments and improvements made in fleet; recommends commendatory letters to Lt Craven and Chf Elecn Montcalm	49
205174		OVER	Phila WILKES; not practical to complete radio installation during present stay on account of delay in delivery transmitting set 11/23	
		NY radio set for WILKES shipped 11/27; will trace 11/29 Fwd NY--12/7 RB 12-13 Fwd Phila--12/8RB 12-18	To NY--(T) Reqt date shipt Phila Radio set for WILKES. 11/24 To Phila--Instrns. 11/25 Phila (T) estimated time 11-28 Operations WILKES date of completion extended to permit installing radio set 11/28	
206575	11-21	Pug Sd	Reports failure to receive copies of contracts 784 and 346; request copies of all radio contracts for material intended for that yard. WS Fwd S&A--11/28	
206597	11-25	NY	Marconi 5 kw quenched spark gap sets; fwds booklet of prints.W	
		NY advises manner in which will forward plans 12/8	To--Lists booklets on file.Asks when booklet on Marconi and radio sets will be rec'd. 12/2	
206592	11-21	M.Is	Asks if 15 and 30 kw sets called for on standard stock allowance shall be manufactured at yard.W	
			To--Will be eliminated from standard stock catalog. 12/1	

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APPARATUS

Number.	Date.	From or To—	Subject.
203048	10/20	To Firms	Fwds revised specns RE 13A 112B. W To Yards--Ditto. 10/21
		To Key West--Reqt extra copy of b/p. 2/27 To M.Is.--Quotes Key Wests commun. 2/27	M Is fwds blueprint and instructions 3/22 San Juan 11-3 M IS suggestions 3/19
202804	10/21 Guantanamo 10-31 Pug Sd 10-28 San Diego Supt 11-2 To Radio via Wash--Directs further test. 11/7 Darien 10-30	To Yards COLORADO 11-2 Pav Flt 11-8	Reqt comments on present installations of arc transmitters, as are thinking of changing specns. WKey West 11-6 Chasn 10-26 Bost 10-27 At Torp 10-27 Bost 10-27 ARK 10-31 Washn Dist.Supt 10-31 At Flt 10-31 Norf 10-31 WYO 10-31 UTAH 10-30 NEW YORK 10-31 NY 11-3
203179	10/21	To Darien	Bu has instructed all yards to fwd copies of semi monthly reports to Darien. W
203~~57~~ 401	10-17	Fed Tel Co	New anoid installation for arc radio set; plans and suggestions.W To--Appvs sub to satis operation. 10/30
203147	10-18	Norf	Reactance primary for Norforder 1916; fwds print showing modification recommended.W To--Rec appvd. Assigns Type No. "S.E. 52" to reactance. 10/27
203552	10-20	M.IS	Fwds bill covering partial payments Federal Co. contracts 305-6-7. K Fwd S&A--Rec payment of certain bills. 10/26
203646	10-26	NY	Recommends changes in battle radio buzzer board.W To--Concurs with Comments on. 10/30 Fwd Atl Flt--For comment. 10/30 RB 11/20

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
203761	10-27	Panama Canal	Request specns covering sets similar to those required by Panama Canal for tugs. W To—Fwds Specns. 11/8
203800	10/28	To Marconi Co.	Explains specns covering circuit breakers. W
204093	10/31	To M.Is.	Reqt comment and rec as to possibility of obtaining castings for arc generator chambers free from flaws. W To Fed Tele Co—Quotes report from M.Is. on "Tests on Arc Chambers". 10/31 M.Is. shows poor foundry practice 11-9 Fed Tel Co. have issued instructions to factory 11-13 To Fed Tele Co—Quotes M.Is's comments. 11/24
204457	11/4	To Yards	Fwds report of Bd of Organization? U.S.Naval Radio Service 1915 (Revised 1916), for Radio Laboratory, for particular attention of Radio Officer and Expert Radio Aid. W
204503	11/4	To R.D.Duncan, Bu of Standards.	Fwds copies of certain specns. W
204410	11-3	Panama Canal	Request data on radio sets capable transmitting 300 miles. W To—Fwds specns for receiving apparatus. Comments on. 11/9
204798	11/8	To Stations (6)	Lt. Hooper will call in reference to radio material on or about Nov. 15th. F

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APPARATUS.

Number.	Date.	From or To—	Subject.
201660	8-30	M.Is	Supply and distribution of radio stock; recommends that stock limits as specified in standard stock catalog be maintained.W M.Is reqt action 10-28 To--Bu appvs rec. 11/7
201953	10/11	To Benj.Liebowitz	Temperature of incoming and outgoing water of a Poulsen Arc. Fwds data of test made at Radio Sta. Bost.W Columbia University reqt permission to publish 10-24 To--Disappvs reqt to publish. 10/28
201089	10/5	To Sperry Co.	Transmitters, field sets. Fwds prints gives latest revisions. W To Copley Mfg. Co.-- Fwds duplicate copies portable field sets. 10/11
202054	10/12	To Yards	Radio telegraph. Duplicate copies of latest specns. Fwds. 10/12 W
202301	10/14	To Fed Tele Co.	Reqt recommendations to overcome difficulty because of the harmonics from the arcs on short wave lenghts i.e. 300-600 meters as they interfere with receiving ships and stations. W Fed Co fwds recommendations for reducing 10--19
169880			To Pensa--Fwds two copies of Bu letter December 10th, 1915. 10/14
202670	M.Is (T) reactances shipped by 10/16 NY		exp 12-2 11-20 Second lot of 12 radio sets; reactances supplied by M Is defective.W Fwd M.Is.--10/21 RB 11/16 To NY--Bu has reqt shipt of reactances to M.Is. 10/21 To M.Is.--Ask shipt date four radio reactances. (T)11/20
	To S&A--Reqt shipt of reactances from NY to M.Is. 10/21 To M.Is.--(T) Expedite alterations and return shipt NY four reactances sets. 11/15 M.I		

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.	
202521	10/17	To Yards	Submits schedule of standard specns for radio trans and receiving apparatus. W	
202599	10/17	To Fed Tele Co.	Fwds copy of test data obtained at Radio Sta. Bost using 30 K.W. arc. W	
		To--Comments on. 11/6	Fed Co. gives data 10-26	
		To--(T) Reqt rec re compounding arc magnet; suggestions. 11/6	To Bost--Auth to furnish Federal Co.	
		Fed Co.(T) disapproves Bu sug 11-7	with antenna data. 11/6	
			To NY--Instrns. 1/25	
199131	10/17	To Wireless Spec.A.Co.	Have auth test of Stroboscope. Will fwd report.	
		Fwd Wash--12/19 RB 1-12	To Wash--Auth service test, and submit report. 10/17	CARD 121
		Wash states Stroboscope was turned over Oct 13th for returning to Wireless Co to put motor in condition 12/19	To--Gives status of matter. 12/6	
			Co are furnishing stroboscope to Laboratory by express, for test 12/15	
		To Atl Flt--Instrns re further test of on PENNA. 1/24	To--Fwds copy of report with comment. 1/25	
202837	10/19	To M.Is (T)	Desires comment revision arc transmitter specns. W	
			M.Is 10-26	
202848	10/19	To S&A via C&R	Designating letters to be assigned to Pensa and New Orleans in standard stock catalog. "P" for Pensa and "O" for New Orleans.	
202207	10/20	To Firms	Gives corrections to be made in b/p specns RE 13A 112A. W	
			To Yards--Ditto. 10/21	
202803	10/20	To Bost Phila Norf	Fwds specns for arc radio transmitters. Reqt comment for revision. W	
			Phila 10-27 Phila 10-28	

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.	
200125	9/29	To bidders	Fwds copy revised specns, for radio transmitting sets from 1 K.W to 10 K.W. incl.W	
200127	9/29	To F.M.Sammis	Fwds copy of revised specns for radio transmitting sets for insertion in copy.W	9/29
200128	9/29	To bidders.	Fwd blue print copies of revised sheets specns for field radio sets.W	
200526	9/29	To bidders	Fwds blue print copy of revised spenns radio transmitting sets.W	
		To Marconi Co.	Ditto. 9/30 10-2	
200531	9-30	To Firms.	Fwds revised specfns for receiving appratus.W	
200530	9-30	To Firms.	Ditto.	
200126	9-30	To Firms.	Fwds revised specfns for radio transmitting sets from 1 K.W. to 10 K.W. W	
200528	9-30	To Firms.	Fwds copy revised specfns for 1/2 K.W. radio transmitting sets. W	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
200975	9-26	M.Is	Request radio vandykes.W Fwd Wash--10/21
200904	10/2	To S&A	Reqt Western ElecCo be added to list of firms to which proposals are sent for purchase of radio apparatus.W ~~At Com Co.~~
201182	9-29	Fed Tel Co	30 kw arc sets; fwds instruction book. W
200863	10/3	To F.M.Sammis	Substitute sheets 12-C, 29-C and 32-C in place of ones now on hand; specns for radio sets.W To Wm.J. Murdock Co.--Fwds copy of specns for portable field sets. 10/3
201088	10/5	To F.Lowenstein Marconi	Fwds add'l copy of radio drawings referred to in specification.W To Sperry Co--Fwds prints; gives latest revisions. 10/5
201087	10/5	To E.J.Simon	Fwds add'l copy of RE 13A 112, specns for receiving apparatus.W
201211	10/5	To M. Is. (T)	Reqt date delivery arc sets for PITTSBURGH and MARYLAND and SOUTH DAKOTA and WEST VIRGINIA. Reqts delivery test and manuf be expedited.W M.Is status of deliveries cont 346; cannot give estima ed time on arc set being mfg M.Is 10-9

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[OVER.]

APPARATUS: CONTINUED FROM CARD 92 1917

Number.	Date.	From or To—	Subject.	
	11/19	Pug Sd		

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

APPARATUS: 1916

Number.	Date.	From or To—	Subject.
199701	9-20	To Pug Sd Via S&A.	Reqt estimates for manufacture of 1917 of 2 K.W. radio transmitters. W To NY--Bu has directed Pug Sd to obtain insulating material from NY. 9/21 Pug Sd submits estimate 10-2
	11-2	Pug Sd	Reqt more definit information re certain items To--Gives information requested. 11/9 To NY--Ask when revised 2 K.W. drawings will be completed. To--Ests will not be appvd until corrected drawings are received at Pug Sd. 12/1 To--Protective devices will be obtained from Phila. 12/18
	1/22	Pug Sd	Submits estimate 1/22.W To--Gives action. 2/2
	2/27	Pug Sd	Asks date when correct plans may be expected.W
	3/7	To Pug Sd	Loading coils should be in accord with drawing RY33F 147B. NY fwding Vandykes. On receipt of same reqt ests for manuf of 2 sets of loading coils. W To--Modifications in 5 K.W. wave changers will necessitate slight changes in 2K.W. sets. 3/12
	Pug Sd	4/18	Submits estimates for manf of 2 kw sets.W Ro--Gives action on ests.4/27
	8/22	T o S'A	Reqt shipt of apparatus from Pug Sd to M.Is. for order No 4. W
	8/22	To Pug ;Sd	Instrns re various items of order. W
	8/28	To Pug S d	Instrns re filling in drawing numbers on Vandykes.W
	9/7	Pug Sd	

CARD 92A

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N.S.E. Form 134.

APPARATUS .876

Number.	Date.	From or To—	Subject.
200013	9-14	Fed Tel Co	Asks what chances are for busniess in near furutre; particular reference Arlington.W
200126	9-16	War Dept	Kilbourne & Clark sets; asks report on efficiency of. W To—(Secsig) Gives data on. 9/26
200028	9-22	To NY.	Reqt prints of RY 165A. W NY plan 9-28
200294	9-22	Washn	Fwds radio plans.W
200251	9-25	To NY.	Fwds drawing RE 13A 111B. W
200434	9-27	To S&A.	Radio specfns 16R1a and 16R2 have been superseded by blueprint specfns; reqt distribution be discontinued. W
200129	9-27	To Lt.R.R.Waesche,USCG	Fwds specfns covering rack for mica condensers. W

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.	
199699	12/18	To S&A	Reqt shipt of apparatus from Bost to M.Is.	W
	1/11	To M.Is.	Reqt status of sets. W	
	3-5	S&A	Auxiliary hand key shipped M Is Feb 5th.W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Apparatus

91 A

1917

CONTINUED FROM CARD 91

Number.	Date.	From or To—	Subject.
199699	3/27	M Is T	Complete information given in letter of March 13th.W To--(T) Add'l infor not requd. 3/30
	3-29	Bost	Replies to letter Mch 22, and submits estimate certain items.W. To--Appvs ests. 4/10
	4/16	Bost	Submits estimate.W
	4/17	M Is	Submits estimates for 2 2 kw switchboards.W To--(T) Appvs est.4/20
	4/20	M Is	Fwds photographs and detailed report on 2 kw transmitters order #4.W
	~~4~~ 5/1	To Bost	Auth manuf of two relay keys. W
	5/4	M Is T	Request authority to proceed with manufacture of experimental 1/2 KW generator W
	5/2	To M.Is. T	Reqt status manuf of design of 1/2 K.W. generator complying with specns RE13A 114B. W To--(T) Manuf auth. 5/9 SEE 91-B
	5/26	To M.Is?	Fwds vandykes of switchboard drawings as listed. W OVER
	8/16	To S&A	Reqt shipt of Frequency ammeters from Philato M.Is. for Order No. 4. W
	8/21	T o Bost	Instrns re various items of order. W

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Number.	Date.	From or To—	Subject.	
199699	8/22	To Phila	Instrns re various items of order. W	
	8/22	T o S&A	Reqt shipt of apparatus from Bost to M.Is. for order 4. 8/22	
	8/23	To Bost	Instrns re filling in drawing numbers on prints and fwding to Bu. W	
	8/25	To Phila	Instrns re filling in drawing numbers on Vandykes. W	
	8/28	M Is	Request telegraphic approval of estimates.W	
	8/28	To M.Is.	Instrns re filling in drawing numbers on Vandykes. W	
	8/29	To M.Is. T	Gives action on ests. W	
	9/11	Phila		
	9/14	Bost	Fwds prints.W	
	9/19	To M.Is.	Detailed comments on various items. W	
	9/26	To M.Is. T	Ask when report drawings numbers will be fwded.W	
	9/27	M Is T	Prints mailed a4th.W	
	9/10	M Is	Fwds prints.	
	10/3	To M.Is.	Directs start manuf of transformers at once.W	
	10/4	To M/IS/	Appvs drawings for manuf of starter transfer switch with modif. W	
	10/6	M Is	Progress report.W	

NB—0120

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APPARATUS:

Number.	Date.	From or To—	Subject.
199699	9-20	To M.Is Via S&A.	Reqt estimates for manufacture of 1917 order of 2 K.W. radio transmitters. W To Bost--Directs Yd to manuf or purchase various items in above. 9/21 To Phila-- Ditto. 9/21 To Pug Sd--Tone testers will be manuf at Wash instead of Pug. Sd. 10/24
	11/29	Bost	submits estimates. W To--Gives action on. 12/8
	12/15	To Bost	Further action. W
	12/7	Phila	Submits prices for; have placed contract for meters. W
	1/4	Bost	Submits estimate. ~~1/4~~
	2/2	To Bost	Gives action. 2/2
	2/13	M Is	2 kw's; status of action on manufacturing request; submits sheet showing sources of supply and estimates of those to be manufactured at yard. W
	2/24	M Is T	Corrects letter of Nov 11th. W
	2/28	To M.Is. T	Reqt report showing all variations from specns RE 13A 111C. This requd before plans will be apprvd. W To--Reqt reply. 3/20
	3/13	M Is	Reports show variations from specifications. W To--Gives action. 3/30

CARD 91A

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N.S.E. Form 134.

876 APPARATUS:

Number.	Date.	From or To—	Subject.	
199700	9-20	To Pug Sd Via S&A.	Reqt estimates for manufacture of 1917 order of 5 K.W. radio transmitters.	
			To NY--Bu has directed Pug Sd to obtain insulating material from NY. 9/21	
			NY replacing orders for necessary insulating material 10/7	
			To Pug Sd--Tone testers will be manuf at Wash instead of Norf. 10/24	
			To Pug Sd--(T)Protective device will be purchased. Not necessary to make design.12/16	
			To Pug Sd--Protective devices will be obtained from Phila. 12/18	
			To Pug Sd--NY will furnish Vandykes giving all information re loading coils. On receipt of drawings directs fwd ests. 3/7	
			To S&A--Shipt reqt of apparatus to NY. 3/19	
	3/21	Pug Sd	Request additional copy of letter of Sept 20th .W	
			To--Fwds copy of letter. 3/29	
			Pug SD Submits est on order NO.6.4/21	
			To Pug Sd--Reqt ests covering manuf of 11 sets of loading coils.4/28	
	4/30	To Pug Sd	Gives action on ests. W	
	5-6	Pug Sd	fwds copy of letter of Apr.21.W	
	8/22	T o Pug Sd	Instrns re various tiitems of order. W	
	8/22	To S&A	Reqt shipt of apparatus from Pug Sd to M.Is. for Order No. 6	
	8/28	To Pug Sd	Instrns re filling in drawing numbers on Vandykes. W	
	9/7	Pug Sd		
	9/12	Pug Sd		

NB—0120

[OVER.]

199698-876 APPARATUS.

Number.	Date.	From or To—	Subject.	
	3/3	M Is T	Will fwd vandykes 5 kw sets Apr 15 .W	
	3/2	M Is	Revised estimates for 5 kw transmitters.W	
	3/13	M Is VOID	Reports show variations from specifications.W	
	3/13	M Is	Submits revised estimates.W	
	3-29	Bost	Replies to letter Mch 22 and submits estimates certain items.W To--Appvs ests.4/10	
	4/17	M Is	Submits estimate for 11 5 kw switchboards.W To--Appvs.5/1	
	8/16	To S&A	Reqt shipt of ammeters from Phila to M.Is. for use on order No. 6.W	
	8/21	To Bost	Instrns re various items of order. W	
	8/22	T o S&A	Reqt shipt of apparatus from Bost to M.Is. for order 6. W	
	8/22	To Phila	Instrns re various items of order. W	
	8/23	To Bost	Instrns re filling in drawing numbers on prints and fwding to Bu. W	
	8/25	To Phila	Instrns re filling in drawing numbers on xVandykes. W	
	8/28	To ~~Nonf~~ M.I	Ditto.W	

NB—0120

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N.S.E. Form 134.

199698 - 876 APPARATUS.

Number.	Date.	From or To—	Subject.	
	8-29	Bost		
	8/30	M.Is		
	9/11	Phila		
	?	Bost	Fwds prints.W	
	9/19	To M.Is.	Detailed comments on various items. W	
	9/14	M Is	Fwds Print.W ~~To—Appvs.~~ 10/4	
	10/6	M Is	Gives list of material undelivered; dates on which apparatus can be completed, providing material is received, etc.W	
	12/18	To S&A	Reqt shipt of apparatus from Bost to M.Is. W	
	2/1	To M.Is. T	Ask if sets will be completed in time for destroyers. W	
	2/3	M Is R	States radio set, order No.6 to be completed in time ~~xx~~ installation on 87 to 94. (Cross to 87-Q-6)	

NB—0120

[OVER.]

1916

APPARATUS:

Number.	Date.	From or To—	Subject.
199697	9-20	To Norf.	Reqt estimates for manufacture of 1917 order of 2 K.W. radio transmitters. W To--Tone testers will be manuf at Wash instead of Norf. 10/24
	1-9	Norf	Fwds estimates, plans,etc for 2 kw radio transmitters.W To--Gives action on. 1/22 To Norf--Reqt certain drawings. 3/7
	~~Norf-fw~~		
	3/19	Norf	Fwds vandyke requested; have modified name plates.W
	8/27/17	To Norf	Instrns re filling in drawing numbers on Vandykes. W

N.S.E. Form 134.

CONTINUED
CARD 90A

876 APPARATUS:

Number.	Date.	From or To—	Subject.
199698	9-20	To M.Is Via S&A.	Reqt estimates for manufacture of 1917 order of 5 K.W. radio transmitters. W To Bost--Directs submit est and rec for manuf of purchasing items listed in above. 9/21 To Phila--Yard required to manuf various items and supply to M.Is. 9/21
		Phila; conflicting instructions 9-29	To Phila--Explains. 10/11
	11-7	M.Is	Submits estimates and plans. W To--Gives action on. 12/5
	11/29	Bost	Submits estimate. W To--Gives action on. 12/8
	12/15	To Bost	Further action. W
	12/7	Phila	Submits prices; have placed contract for meters. W
	1/4	To M.IS.	Reqt ests for manuf of RN 23F 102B, and rec as to switch preferable. W To--Reqt reply. 2/7
	12/29	M Is	Full report as to essential differences between motor generators, transformers and reactances. W To--Appvs manuf of motor generators with characteristics as listed. 2/14
	2/2	To Bost	Gives action. 2/2
	M Is	1/20	Submits estimate and vandyke for transfer switch. W To--Appvs est. 2/14 To M.Is.--Comments on ests. 2/19
	2-24	M.Is T	Corrects letter Nov 11. To--(T) Manuf 23 transformers auth. 2/26 To--Reqt 4 complete sets Vandykes. 2/28 (T)

NB—0120

Over.

1917

APPARATUS.

Number.	Date.	From or To—	Subject.
199695	8/16	To S&A	Reqt shipt of apparatus from Norf to NY.
	8/16	To Norf	Comments on various items of order N o. 3.
	8/17	To S&A	Reqt shipt of meters and protective devices from Phila to NY for Order No #3. W
	8/22	To Phila	Instrns re various items of order. W
	8/23	To Phila	Instrns re filling in drawing numbers on prints and fwding to Bu. W
	8/28	Norf	To—9/5 To—9/7
	9/11	Phila	
	9-18	NY	W
	9/22	To Norf	W
	10/1	Norf	To—Are issuing shipt order for transformers. 10/4
	10/4	Norf	
	10/5	To S'A	Reqt shipt of transformers from Norf to NY. W
	10/9	To S&A	Reqt shipt of switchboards and wpares from Phila to NY. W To Phila—10/9

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
199695	10/22	To S&A	Reqt shipt of transformers etc., from Norf to NY. W	

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[OVER.]

APPARATUS: 1916

Number.	Date.	From or To—	Subject.	
199695	9-20	To Phila.	Reqt estimates for manufacture of 1917 order of 2 K.W. radio transmitters. W	
	9-26	Phila	Reqt specns covering transmitter. To-- Will fwds as soon as practicable. 9/30	
	11/29	Phila	Submits estimate for switchboards, spark gaps and ammeters. W	
	1217	Phila	Swtichabords, spares, spark gaps, ammeters, fwds plan and estimate. W To--Action on. 12/15	
	12/26	To Phila	Drawings for 2 K.W. switchboards should be modified in accord with previous instrns. W	
	1-27	Phila	Fwds drawings of 2 kw switchboards. W To--Gives changes to make in drawings. 2/8	
	2-24	Phila	2 kw switch panels; est and plan. W To--Gives action on. 3/10	
	3/22	To Phila	Reqt ests on item 33. W	SEE 89-A
	3/24	Phila	Replies to tracer of March 10th; drawings of name plates not yet received. W To--Ask when drawing will be fwded 3/28 To--Directs make corrections to drawings at once. 3/30	
	4/2	Phila	Drawings forwarded March 31st; replies to letter of March 28th. W	
	4-4	Phila	Plan requested in letter Mch 30. W	

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876 APPARATUS:

Number.	Date.	From or To—	Subject.	
199696	9-20	To Norf.	Reqt estimates for manufacture of 1917 order of 5 K.W. radio transmitters. W To--Paragraph 6 of above letter. Leave out item 34, tone testers. Will be manuf. at Wash. 10/24	
	10-26	Norf	Estimate; recommends changes in specns. To Norf--Gives action. 12/1 To--Directs manufr certain appatatus.	1/25
	2/12	Norf	Fwds plans 5 kw transmitters.W To--Plan appvd with comment. 2/26	
	3/3	Norf	Submits estimates for punches and dies required for manufacture of motor generator 2 kw.W	
	3-2	Norf 615-12	Fwds plan of 5 kw, 500 cyl motor generator set; recommends purchase of special disc notching press for use in manufacturing. To--Appvs est.3/10 (2 letters)	
	3-12	Norf	Fwds modified plan; requested Feb 26.W	
	4/3	To Phila T	Reqt corrected switchboard drawings be fwded immediately. W	
	8/28	To Norf	Instrns fe filling in drawing numbers on Vandykes. W	
	9/7	Norf	Fwds prints·W	

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[OVER.]

Continued from Card 88

1917

Number.	Date.	From or To—	Subject.
	3/24	Phila	Drawings of name plates not yet received; replies to tracer.W To--Directs make necessary corrections to drawings at once. 3/30
	3/30	Phila	Submits estimate for protective devices.W To--Auth manuf of 11 sets.4/4
	4/2	Phila	Fwds drawings.W
	4/6	Phila T	Vandykes were forwarded April 5th.W To--(T) Reqt additional Vandykes.4/6
	8/16	To Norf	Comments re various items on order No. 5.
	8/17	To S&A	Reqt shipt of frequency meters from Phila to NY for Ord No. 5. 8/17
	8/22	To Phila	Instructions re various items of order. W
	8/25	To Phila	Instrns re filling in drawing numbers on Vandykes. W
	8/29	Norf	To--9/7
	9/5	To Norf	Instrns.9/5
	9/11	Phila	
	9/21	NY	Request shipment ofBakelite and Micarta to Norf Sept 15th by express.W Fwd Norf--9/24 RB 10/1
	10/5	To Norf via S&A	Instrns re continuance of manuf of apparatus.W

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199694

Number.	Date.	From or To—	Subject.	
	10/9	To Phila	Pleased to note completion of work. W	
	10/9	To S&A	~~Reqt shipt of switchboards and spares from Phila to NY. 10/9~~	
	10/22	To S&A	Reqt shipt of transformers, etc., from Norf to NY.W Fwd S&A--12/31 Fwd S&A--1/9	

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[OVER.]

Number.	Date.	From or To—	Subject.	
	9/21	Bost	Will forward requisitionin a few days.W	
	12/18	To S&A	Reqt shipt of apparatus from Bost to NY.	W

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Number.	Date.	From or To—	Subject.	

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.	
199693	9-20	To Bost.	Reqt estimates for manufacture of 1917 order of 2 K.W. radio transmitters. W Bost submits estimates 11/27 To Bost--Gives action on. 12/8 To--Further action. 12/15	
		1917		
	1/26	Bost	Gives status of order for transmitters.W To--Gives action on. 2/2	
	3/22	To Bost	Reqt add'l ests on certain items, and gives action on other items. W	
	3-29	Bost	Replies to letter Mch 22; submits est. W To--Appvs est.4/10	
	4/16	Bost	Submits estimate.W To--Appvs. 5/1	
	8/21	to Bost	Instrns re various items of order. W	
	8/22	To S&A	Reqt shipt of material from Bost to NY for order No. 3. W	CARD 88A
	8/23	To Bost	Instrns re filling in drawing numbers on prints and fwding to Bu. W	
	8-29	Bost	To--9/10	
	?	Bost	Fwds prints.W	

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876 APPARATUS:

Number.	Date.	From or To—	Subject.
199694	9-20	To Phila.	Reqt estimates for manufacture of 1917 order of 5 K.W. radio transmitters. W Phila submits estimates 11/28
	12-7	Phila	Fwds plans and estimates.W To Phila--Gives action. 12/15
	12/27	To Phila	Directs drawings be modified to state clearly type of fuses to be used.
	1/4	To Phila T	Reqt new drawing for switchboards being redesigned, and asks when drawings will be fwded. W Phila (T) 1-5
	1/13	Phila	Drawings will be forwarded Feb 1.W
	1-27	Phila	Fwds prints of switchboard for 5 kw sets.W To--Gives change to be made in drawings.2/8
	2-21	Phila	Fwds plan and estimates for switch panels; 2 and 5 kw To--Gives action on.3/10
	3/13	To Phila T	Reqt date completion each wave changer for eight 5 K.W. sets, second lot. W
	3/17	Phila	Wave changers; gives probable dates completion.W To--Fwds Vandykes as listed, with comment. 3/21 To Phila--Reqt ests on item 33. 3/21
	3/22	Fwd NY	Wave changers for eight 5 K.W. sets, second lot. Comments re shipt and assignment. W CARD 88A RB 4-5

NB—0120

[OVER.]

917

APPARATUS.

Number.	Date.	From or To—	Subject.
	5/3	Bost	Fwds copy of estimates.W To--Appvs drawing.5/29
	6/9	Bost	Fwds plan.W
	8/21	To Bost	Instrns re various items of order. W
	8/22	To S&A	Reqt shipt of material from B ost to NY for Order No 5. W
	8/23	To Bost	Instrns re filling in drawing numbers on prints and fwding to Bu. W
	8-29	Bost	
	9/13	Bost	Fwds prints.W
	12/18	To S&A	Reqt shipt of radio apparatus from Bost to NY. W

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Number.	Date.	From or To—	Subject.	

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[OVER.]

APPARATUS.

Number.	Date.	From or To—	Subject.	
199691		Card 87		
	4/9	NY	Fwds prints requested in letter of March 20.W	
	4/13	NY	Fwds prints, in reply to letter of Apr. 6th.W	
	7/9	NY	Revision of estimates.W To NY—Appvs.7/13	
	8/23	To NY	Instrns re filling in drawing numbers on prints and fwding to Bu. W	
	9/10	NY	Fwds prints.W	
	9/19	To NY	Reqt certain information. W	
	9/28	NY	W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
199691	9-20	To NY.	Reqt estimates for manufacture of 1917 order of 2 K.W. radio transmitters.	
			NY submits estimate 10-10	
			To NY--11/9	
			To NY--Reqt drawing be submitted. Gives action. 12/1	
	1-27	NY	Fwds plans 2 kw wave changer, and loading coil	
	1/29	NY	2 kw combined wave changer and loading coils; fwds plans.W	
			To--Appvs. 2/15	
	2/16	To NY	Gives action on drawings. W	
	3/2	NY	Fwds vandykes; answers 199690-876 of Feb. 16th, also.W	
	4-3	NY	Fwds plan requested Mch 20.W.	
	3/7	To NY	Directs fwd complete set Vandykes to Pug Sd. W	
	3/20	To NY	Appvs drawing RY 34F 134B, wave changer. Lists items to be incorporated in. W	
	3/21	NY	Plans sent Pug Sd Feb 28th.W	
	3/21	To NY	Reqt item 35 be completed in advance of sets. W	CARD 87A
	3/29	NY	Requisitions have been made for purchase of self-cooled gaps.W	
	4-1	NY	Fwds vandykes requested in letter Mar 20. W	
			To--Reqt add'l Vandykes.4/6	

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876 APPARATUS:

Number.	Date.	From or To—	Subject.	
199692	9-20	To Bost.	Reqt estimates for manufacture of 1917 order of 5 K.W. radio transmitters. W Bost submits estimate 11/27 To--Gives action on est. 12/5 Bost request $200 to cover experimental work 12/11 To--Further action on. 12/15 To Apps est of $200. 12/15	
	12/20	Bost	Hand keys; submits estimate.W To--Gives action. 2/2	
	3/21	To Bost	Gives action on ests submitted. W	
	3-29	Bost	Replies to letter Mch 22 and sub its estimate certain items W To--Appvs ests.4/10	
	4/16	Bost	Submits estimate relay keys.W To Bost--Instrns re submitting ests. 4/18	
	~~Bos~~ 4/16	Bost	Changes number of contacts to 16 in lieu of 8.W	
	4/16	Bost	Fwds prints of radio relay key developed at yard.W To--Acknowldges.4/21 To--Appvs drawing.4/27	
	4/27	To Bost	Instrns re manuf of relay keys.W	
				CARD 87 A
	4/26	Bost	Revised estimate.W To--Appvs est.5/1	

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[OVER.]

1917

APPARATUS: CONTINUED FROM CARD 86

Number.	Date.	From or To—	Subject.	
~~9/1~~	9/10	Wash		
	9/19	To NY	Reqt certain infor be furnished. W	
	9/28	NY	W	

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1917

Number.	Date.	From or To—	Subject.	

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.
199404	9-18	To Firms.	Fwds specfns for field radio sets and print for base of hand generator. W To Firms--~~Fwds~~ RE 21F 1014 should be destroyed; generator spped reduced from 5,000 RPM to 2,500 RP.M. 9/27
199405	9-18	To Firms.	Fwds copy revised specfns for field radio sets. W To Westinghouse--Fwds copy specns. 10/13
199611	9-18	To Norf.	Reqt comment on design of reactance regulator for use with radio transmitters of 2-K.W. and above. W Norf 9-26
199612	9-18	To Fed Tel Co.	Reqt comment for revising of specfns for arc radio sets. W Co suggestions re loading coil 10/16 Co suggestions 10/16 To--Comments on suggestions. 12/4
199824	9-15	Fed Tel Co	Request definite information re placing orders for arc sets in immediate future. W To--Gives data on advance. 9/21
199402	9-19	To Firms.	Fwds specfns for 1/2 K.W. radio transmitting sets. W

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N.S.E. Form 134.

876 APPARATUS:

Number.	Date.	From or To—	Subject.
199690	9-20	To NY.	Reqt estimates for manufacture of 1917 order of 5 K.W. radio transmitters.
	10-10	NY	Submits estimate To NY--Reqt drawings be expedited. Everything withheld pending receipt of.12/1 To NY--Ask when revised drawings will be fwded. 1/19
	1/23	NY (For reply see 199691-876)	To--Gives action on drawings. 2/16 Will forward drawings Jan 26th.W
	1-27	NY	Fwds plans of loading coil, transmitter inductances, wave changer.W.
	1/29	NY	Combined wave changer and loading coil; fwds plans.W To--Appvs. 2/15
	2/10	NY	Request yards manufacturing equipment for 5 kw sets on Atl Coast submit reports more in detail.W
	2-21	TO NY	Instructions for improvements in 5 kw wave changer and loading coils
	3-13	NY	Fwds insulator and inductance coil plans.W
	3/21	To NY	Reqt item 35 be completed as much in advance of sets as possible. W
	3/29	NY	Bids for 5 kw quenched spark gap rejected; no suitable samples received for test; new bids to be prepared.W
	8/23	To NY	Instrns re filling in drawing numbers on prints and fwding to Bu. W

CARD 86A

NB—0120

[OVER.]

APPRATUS: RADIO:

Number.	Date.	From or To—	Subject.
198690	9-8	To Firms.	Fwds copy revised specfns for radio transmitting sets from 1 K.W. to 10 K.W. in power. W To Firms--Fwds drawings referred to in specfns. 9/18
198776	9-8 Fwd Nav Com--2/20	To NY.Phila.	Measurement of radio outfit damping; asks wave lengths use for.W Phila gives results 9-13 Fwd Supt-- 9/15 RB 9/25 NY fwds report 2/13
~~198801~~	~~9-8~~	~~To Fed Tel Co./(T) See~~	~~other die.~~
198938	9-6	NY	Terminal numbering system; fwds plans showing diagram of connection. W To--Reqt remaining drawings of be fwded.10/27 NY will fwd print simplyfying motor generators in month 11-8
199037	8-31	M.Is	20 and 30 kw arc apparatus; request specns covering. W To--Fwds two blue prints. 9/29
198960	9-11	To Norf.	Instructions for numbering of drawings under radio coordination plan. W Norf fwds plans 10-20
199119	9-12	NY	Radio cross section paper;recommends NY be designated as distributing yard for all radio drawing material and that all requisitions should be plaed by that Yd.W To--Consider should be distributed as same as other Bu forms by the Bu. 9/18

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APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.	
199198	9-11	Washn	Carbon holder sheath renewal for 30 kw arcs; plans. W	
199264	9-5	At Flt	Standard radio plans and allowance list; requires comment from vessels of fleet. W	
199176	9-13	To M.Is.	Reqt certain radio drawings. W M.Is fwds plans requested 9-21	
199179	9-13	To NY.	New York Station: asks disposition of certain radio material. W NY gives data 9-16	
199180	9-13	To Fed Tel Co.	Bu has ordered manuf of two 20 K.W. arc radio sets at M.Is under license agreement; reqt M.Is be furnished drawings of. W Fed Co. fwds bill covering license 9-18 Fwd Dept-- Rec payment. 9/28	
199181	9-13	To Wash.	Directs yard design and manuf a small drill set for radio men and signalmen for shipboard use; reqt estimates for. W RB plans and estimates 10/14	
199660	9-18	To NY. (R)	Permit F.Lowenstien obtain data swtcbd. W NY (R) Shall Lowenstein be permitted to to obtain date othern than on sets supplied by him 9-16 To--(R) To use only Lowensten sets. 9/19	

NB—0120

[OVER.]

1916

APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.
197363	8/17	Fed Tel Co 10/4	Contracts 119 and 120; 20 and 30 kwsets; specifications will be forwarded in a few days; fwds prints of radio boards.W
		To Fed.Tel.Co--Specns satis.	Fed Co (T) asks if may place order in accordance drawing submitted 9-13
			To--(T) Gives data on. 9/14
			To--Gives modifications desired in.9/15
			Fed Tel Co fwds specns and prints 9-22
197771	8-24	NY	Reports distribution of spare gaps for 5 kw radio set and request instructions re submitting requisition for stock. W
	8-26	S&A	Fwd. S&A. recomds. N.Y. keep stock 9-1
198004	8-28	Washn	Fwds vandykes and white prints of certain drawings; also photos of apparatus.W
198068	8-29	NY	1916 order; recommends 8 of the 12 gaps auth on 1915 order be asigned to 1916 order; gives time of completion.W
			To N.Y. makes assignment of 9-1
			NY results of test; unable to make comparative tests until receipt of gaps 9/7
198055	8-29	NY	Battle radio distance control system for Battle ship flag ship; fwds plan.W
197762	8/26	To NY	1/2 kw radio sets being purchased under contracts 24623, 24624 and 24625; asks expected date of delivery and acceptance; desired to assign first to L-2.W
			NY recommends one of the 15 sets now under cont be assigned L-2 8-31
			To NY--Asks assignment made of sets under contract 24605. 9/6
			NY cont 24605; reports assignment 9-15
			To NY-- 9/26

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NY set referred to was installed on L-5 10/3

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APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.
198188	8-31	NY cross	Submits items not yet received at yard for 5 kwsets under order No 2; require for set for ROWAN; Twd Phila-- 9/7 RB 9/19
198304	9-1	Phila	Request complete sets certain radio plans.W
198500	9/6 To S&A--Rec partial payment be made.9/9 To Bost--Criticizes plans. 1/29	Fed Tel Co	Contracts 346 and 784; request additional payment of 25%.W&S Fed Co. asks if arrgts made 9-8 To--Have reqtd partial payment be made.9/9 To--(T) Ditto.9/9
198473	8/29 Bost fwds plans will be delayed if additions recommended by Bu are added 12/28 Bost submits ests for switchbds 1/5	Bost	Standard plan of shore ~~conne~~ station distant control; fwds prints.W To--Appvs with exceptions.9/2 8 To--Comments on Machines. 11/4 CARD 107 To--Ask status of. 12/22
198487	8/19	M Is	20 kw arc radio sets; fwds plans and estimates.W To Via S&A--Appvs. 9/16 CARD 145
198511	9-6	C&R.	Radio telegraph - Flag bridge radio station; fwds revised drawings. W
198801	9-8	Fed Co NY Apr 1. W	GE has subcontract for switchboard and power machinery; delivery to be made M.Is Mar 1; To--(T) Asks name of Co having sub-contract for switchboards and starters.9/8 To--Some doubt as to whether contract for starters has been made 9/12
198890	9-9	Norf	Radio experimental work; fwds reports on.W

NB—0120

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APPARATUS. 1918

Number.	Date.	From or To—	Subject.
195963	8/9	NY	1916 order for 8 radio sets; submits estimate for changing winding of blower motors for quenched gap. W To-- Appvs. 8/12
195966	8/9	NY	Type plan of bridge stations for battleships; fwds Vandykes W
196143	8-11	To Bost-Phila.	Asks if any delay forseen in completion of manuf of 1916 order of radio transmitters on Atlantic Coast; Bu has reqtd shipment of the NY. W
		Bost gives tatus of order 8-24 TO M.Is (T) 8-24 Norf gives dates delivery mat9-1 Fwd NY--9/11 RB 9/27 NY estimate for spares 9-25 To NY--Est appvd. 10/3	To S&A-(2) Reqt for shipment. 8/11 To NY-- Ditto. 8/17 TO S&A shipment reqt norf to NY 8-21 TO Norf lists material to be furnished by the Norf Yard in connection 1916 order 8-21 Phila error made in 8-19 Phila reports on status of 1916 order 8-24
196274	8-11	To NY.	Reqt four proudfit binders and punches for radio co-ordination plans. W Phila binders forwarded 8-21 8-22
196149	8-14	To Pug Sd-M.Is.	Asks if any delay forseen in completion of manuf of 1916 order of radio transmitters on Pacific Coast. W
		M.Is cannot complete before Dec 1 on account delay in material 8-25	To S&A--Reqt shipment of radio apparatus from Pug Sd to M.Is. 8/14 Pug Sd impossible to ship to reach M.Is by Sept 2. recommends procedure for 1917 8-24
196643	8-15	NY	Fwds A and AA size tracing cloth. W

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
196849	8-15	NY	20 kw arcs sending stations on BS and flag ships; revised plans.E
197030	8-17	NY	Radio order 1916; 8 sets; request authority to expend necessary amount for assembly test, repairs and alterations.W TO NY auth $100 8-21
193558	8-17	SEE CARD #81.	To Firms--Fwds copy proposed revision of specfns 16 R1 a for radio telegraph transmitting sets. W To Yards-- Ditto: reqt comment. 8/17 To Yards--Makes correction in sheet numbers. 8/18 M.Is 8-10 Phila 8-22 Pug Sd 8/17 To Companies, fwds proposed specns for 1/2 k3 sets 8-19 TO Firms fwds revised specns for radio receiving apparatus 16 R2 8-21 ~~(2 letters~~) TO Firms ditto for field sets 8-21 TO Sammis ditto transmitting sets 8-21 Firth, John 8-23 DeForest 8-23 Boston (T) gives reasons for delay 8-26 Wireless Imp Co. 8-25 Bost 8-24 Bost 2 letters 8-25 TO Sammis 8-24 TO Cos 8-24 TO Wirless Spec Co 8-24 TO H-C Co 8-24
To Dubilier 8/25 To Bost (D) 8/25		NY 8-29 Lowenstein 8-29 Chasn 8-29 Chasn 8-29 American R&R Co. 8-30 Phila 9-1 Pug Sd 8/31 To Bost-- 9/6 Washn 9-1 Marconi 9-1 K&C Co replies letter Aug 17 9-6 K&C Co ditto Aug 19 and 21 9-6 Norf 9-8 ~~Pug~~ John Firth 9-9 To Bost--9/6 RB 9/15 Pug Sd 9-11 Phila 9-18 Fwd NY---For comment. 11/2 RB 11/13	
197241	8-14	Fed Tel Co	Reqn 286 and 287; for 20 and 30 kw sets; request sketches relative to alcohol system,etc. W Fed Co (T) reqt instructions re placing orders for certain 9-19 To--(T) Instructions.9/20

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APPARATUS. 1016

Number.	Date.	From or To—	Subject.
194529	7/14	Fed Tel Co Personal	Delay on sets building; reports on.W
194574	7/17 7/25	Phila S&A	Reports on status of manufacture of radio sets.W Fwd S&A-- 7/28
194509	7-25 Pug Sd have never heard from Mr. Lang 2/8 Lang (T) sending instruments to Pug Sd for test 5/17 Lang Electric Fixture Co. - Reqts action 5:17 To PS. Reqts. report of test of Mr. Lang. 7/2	To N.Lang.	Offers to test appratus at Pug Sd. W To Pug Sd-- Fwds copy above 7/25 N. Lang Elec Fixture Co will take two months to get apparatus ready 8/3 Lang Co will have machine ready for test short time 11/17
194731	7/27	Kilbourne & Clark Co T	Request information re radio apparatus requiring samples.W To - lists apparatus and spec. 8-28
194756	7/26	Bost	Scout Cruisers; standard radio plans; fwds vandykes.W
191074		CARD 79	Drawings of solenoid operating antennae switch 60% completed; two vacancies radio draftsmen 7/25 To NY--Reqt drawings be fwded. Comments on draftsman. 10/27
194828	Fwd M.Is.--10/23 BB 11/7 To NY--Reqt reply to circ letter 7/29/16. 10/16 7-29 Washn returns corrected 8-31 M.Is fwds amended list 8-31 Phila 9-11 M.Is Reqt action. 9/13 To M.Is--Reqt copy corres.9/23	To Yards.	Supply and distribution of radio stock; reqt recommendations for changes in.W Bost recommendations; fwds catalogue 8/7 Chasn fwds list of changes made 8-16 New Orleans fwds list with alterations marked 8-28
195146	VOID		NY 10/19

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
194960	7/17	Institute of Radio Engineers	Urges Bureau contribute papers to the publication.W
195119	7-31	To NY.	Radio drawings; states certain instructions from Bureau covering preparation on radio drawings were not carried out. W
195184	7/31	Norf	Submits list of manufacturers for addition to Bureaus approved list.W
195346	8/2	NY	Radio drawing paper, size A sheets; fwds supply.W
195469	7/27	Olongapo	Request complete file of semi-monthly report.W
195532	8/3	NY	Fwds prints of type size radio prints.W To NY--order placed with GPO for printing cross-section sheets; Wash Yd distributing point 8/25
195662	6/26 7/30	ARKANSAS Atl Flt	Radio bulletin #1; comments on location of auxiliary radio rooms, auxiliary station C, stations on flag ships, etc.W To CO Via Atl Flt--Comments on. 9/23
194599	8-8	To Yards.	Reqt vandykes and prints of certain radio drawings. W Norf 8-28 Phila 8-28 M Is 8/30 Pug Sd 8-28 Chas Now being prepared. 9/12 Chasn 9-19 To M.Is.--Reqt list be fwded. 11/23 M Is fwds blueprints and vandykes 12/5

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APPARATUS.

Number.	Date.	From or To—	Subject.
193626	7/15	Fed Tel Co T	States of completion of shipment of 20 kw sets; asks if Bureau desires to change delivery of 20's from M Is and NY.W To--No change in delivery desired.7/18
193588	5/16	Pug Sd (Copy)	Ventilation of radio station, ships at yard.W To Pug Sd Via C&R--Appvs SE work. 7/19 ~~To NY--(R)Reqt data on impedance radio generators. 7/21~~
193712	7/15	Bost	Fwds radio drawings and photographs.W
193812	7/17	Fed Tel Co T	Requisitions 286 and 287, for 20 and 30 kw sets; bids held up pending information on the specifications of motor generator; shall proposals be forwarded without descriptions of power machinery.W To--(T)Fwd proposals now; detail description later. 7/18
193842	7-17	To H.P.Vedder. (T)	Lt.Hooper will be in Wash this week except Wednesday. W
193842	7/17	Fed Tel Co T	Request appointment for Deahl.W
193873	7-18	To NY.	Reqt 200 sheets of A size paper with printed border lines. W NY fwds paper sheets 7/28
193874	7-18	To Fed Tel Co.	5 K.W. arc radio sets; offers to test with a view to possible use on destroyers and gunboats. W Fed Tel Co 8/4--asks if Bureau can supply power for testing. To--Directs delivery of set to NY for test.11/6

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876 APPARATUS:

SEE CARD #83.

Number.	Date.	From or To—	Subject.
		Pug Sd 8/8 M Is 8/8	Washn 8-15 Washn 8-15 Phila 8-18
193558	7-19	To Yards.	Specification of radio apparatus; lists modifications in; reqt comment and recommendations on. W To Yards-- Further changes. 8/5 To NY--(R) Reqt all data on impedance radio generators; gives any changes in values recommended. 7/21 NY comments 8/8 NY specifications 7/24 Bost 8/3 Fwd S&A-8/7 in delay 90 days on existing contracts 8/1 Radio telegraph, report RN 2A 129A; reqt copy of. W Norf fwds copy 7/26
NY comments 8/1		Norf 8/1	
		To Firms--Re change in specifications 7/24	
Chasn 8/8			
Chasn 8/9		To Yards- Ditto. 7/25	
Chasn 8/11		To Yards--Fwds modi in. 7/29	
NY comments on specns proposed 7/31			
Lowenstein spares called for would result			
193966	7-19	To Norf.	
194252	7/20	NY	Drawings requested by Bureau; two radio draftsmen at yard; work ahead for more than two months. W To--Lists drawings considered most urgent. 7/25 To--Bu under impression 5 draftsman on radio work; aks if Bu correct. 7/26
NY prints requested were fwded 7/21 7/31			
NY lists radio draftsmen employed and those detailed forwork 7/31			
194274	7/14	G.M.Horne, Elec, 3rd Class	Request be transferred to a shore station and be given assistance in developing his discovery of distant control by radio. W Fwd Pac Ct Supt--For investigation. 7/25 RB 9/2 Morris Sheppard in behalf of Horne. 7/22 Fwd Dept--Fwds letters for recsig's sig to Sheppard-Now being investigated. 8/3
194212	7-21	To Marconi Co.	Comments on understanding of proposed changes to specfns for new spark ~~xxx~~ sets; requirement for mica condensers will not effect outstanding schedules. W
194316	7/20	NY	20 kw arc installation; standard plans. W To Yards--Fwds copy above plan. 7/28 To C&R-- Ditto.
194475	7/21	NY	Fwds standard plans for flag bridge radiostation. W To--Returns print showing changes in. 7/27
194500	7/19	M Is	5 kw sets; submits list of items delivered to supply officer for ~~steamer 1115~~ shipment to NY. W

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APP RATUS: 1916

Number.	Date.	From or To—	Subject.
191848	6-24	NY	Recommends changes in solenoid switches, cut-outs, etc on portable board for battle radio equipment in order to make one type board for all battle installations.W To—Calls attention to change in numbering of drawings. 7/1 To--Auth granted to modify antenna switches.7/5
191849	6-24	NY	Battle radio apparatus; class 16; confusion in numbering prints.W
191852	6-24	NY	Fwds supply tracing cloth for radio coordination system.W To--Gives sizes of cloth perferred. 7/5
191969	6-21	Pug Sd	2 and 5 kw radio sets; status of work; report in detail.W Fwd NY 8/25 RB 10-21 To NY--Reqt estimates be expedited. 9/19 NY will submit reply Sept 25 9-21 Fwd NY--11/7 RB 9/10/17
191667	6-28	To NY.	Radio telegraph; lists drawings of contr's prints received; asks when drawings for other contracts may be expected. 6/28 W
192147	6-29	NY	12 5 kw radio sets; second lot; request Yard be auth to provide hand operated antennae switches and spare fuses for.W To--Authorized. 7/5
192115	6-29	At Com Co T	5 and 1 kw sets; have complete sets available Asks if Navy desires.W To--Have no use for. 6/29

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876 APPARATUS:

Number.	Date.	From or To—	Subject.
191678	6-29	To NY-Norf-M.Is.	Radio telegraph - Synchrouous impedance measurements: reqt detailed statement as to method recommended to adopt a standard method. W Norf recommendations 7/6 M Is fwds report 7/14 NY comments 8/1
192115	6-29	To SEE OTHER SIDE.	
192218	6-30	To M.Is.	Semi-monthly reports; incorrectly numbered.W
192799	7/6	Bo st	Submits estima tes and specifications for shore station distant control apparatus.W
193232	7-11	To NY.	Radio telegraph: standard plans for 20 K.W. arc installation; reqt drawings be expedited. W NY Will be ready for distribution July 18th 7/14
193233	7-11	To NY.	Reqt copy of radio prints; 27869-A, 28587-A and 28591-A. W NY fwds prints 7/18

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APPARATUS:

Number.	Date.	From or To—	Subject.
190926	6-8	M.Is	Standard radio drawings; fwds vandykes of arrgt for armored cruisets, tugs, and type plans for 2 ke sets.W.
191013	6-12	Fed Tel Co Personal	Cannot agree to return proposal until points in specns are straightened out. W
191195	6-19	Fed Tel Co T	Request Bureau check interpretation of revised specns; 30 kw sets. W. To--(T) Interpretation correct. 6/20
191274	6-20	To NY. (R)	Asks approximate weight 20 KW. arc set with motor generator. W NY (R) gives weight of 20kw arc set 6-20
		To NY--Reqt list of drawings already made be fwded. 11/23 NY impossible to redraw any drawings until after Jan 1 11-14 To--Ask when list will be rec'd. 11/4	
191269	6-20	To NY-Bost.	Reqt copies of certain prints. W To--Expedite drawings. 7/7 NY reports difficulty in complying with prints each week, on account of shortage of force 7/13 To NY--Fwds prints when revised. 7/19
NY fwds vandykes requested 7/13 forwarding certain number of NY fwds drawing 8/1			
191379	6-21	Fed Tel Co T	Asks how series resistance for 20 kw transmitters will be figured. W To--(R) Gives data on. 6/23
191379	6-21	Fed Tel Co T	20 and 30 kw sets; asks if motor control switchboard is to be separate.W

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
191428	6-20	NY	Radio cross section paper; RY system; fwds samples. W
191658	6-22	NY	Fwds type plan showinggeneral arrgt auxiliary station as proposed for WYOMINA.W To-- Appvs as standard 7/28
191649	6-20	United Fruit Co	Reqt data on various arc stations of the Navy.W To--Will furnish data verbally. 6/27 United Fruit appt for July 5 6-30
191612	6-23	To NY. (R)	Asks appratus required complete assembly 8 5 K.W. navy type radio sets, second lot stating yards from which material due; probable date completion each set. W NY status of secom lot 6-29
191721	6-6	Phila	Progress on switchboard, etc for 5 kw sets for delivery M.Is. W
191676 NY fwds plans 7/19	6-26	To New York	Reqs. vandykes, directs note be added on wave changer drawing re coils W
191669	6-21	Fed Tel Co	Request drawings showing standard atc room for 20 kw sets.W To— Fwds. 7/7
191675	6-26	To NY	Reqs. description of Lowenstein 2 KEW setsW NY fwds description 7/13
191673	6-24	To Norf-PENNSYLVANIA.	Directs comparison of 10 K.W. of PENNA with 5 K.W. set on one the BS; decision as to whether future BS will be equipeed with 5-K.W. or 10 K.W. depends on test.W
191074 NY rec against vandykes 7/20	6-26	To New York CARD 82	Reqs. drawing of solenoid opertated swithh contained data specified in letter W

NY necessary to redraw all sheets in connection with transferring from J to F size sheets 7/14

To NY— Reqt instrns for making drawings as drawn up. 7/14 To NY— Gives proposed method for 7/19

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APPARATUS: 1916

Number.	Date.	From or To—	Subject.
189274	6-3	To NY.	Plan for co-ordination of radio work; classification numbers RE 1A 1060 and RE 1A 107-B; reqt yards be furnished copies. W
189796	6-3	To NY.	Radio telegraph - terminal numbering system for appratus; asks when drawings will be fwd to Bu for consideration. 6/3
	NY drawings terminal numbering system not completed 8-29		To--Reqt reply. 7/6
		CROSS TO SWITCHBOARDS.	NY est plans will be completed one month; suggestions for numbering terminals on switchboards being manufactured Wash Yd 7/12
			To N.T. reqs. action 8-25
189797	6-3	To NY.	Radio telegraph - annual contracts for insulating material; reqt data on. W
189799	6-3	To NY.	Radio telegraph - tracing cloth with printed border lines; asks when will be readu for isse to yards. W
			NY have returned for repacking 6-10
			NY ready June 15 6-12
189955	5-29	Hofelfinger	Asks if any difference in transmitting messages East and West, and North and South. W
			To--Comments on. 6/12
			Hoffelfinger further 6-14
			To-- 7/28
190094	5-26	Fed Tel Co	Fwds photos of 30 kw Federal-Poulsen arc set; 20 kw same genl type. W
190056	6-6	To NY.	Radio telegraph, 20 K.W. arc set; reqt estimates for installation based on latest appvd plans. W
			NYdrawings fwd June 6 6-12

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876 APPARATUS:

Number.	Date.	From or To—	Subject.	
189802	6-7	To Ships.	Radio arc sets: if soundproofing in the upper deck station is inadequate forward sketch showing desired installation of a soundproof booth for. W CONN not complete no report 6-15	
190302	?	Lisa , J	Asks if Navy will sell radio set.W To--No appratus available for sale, lists firms who handle apparatus. 6/12	
190230	6-6	NY	20 kw arc radio starting station for BS; fwds type plans.W	
190157	6-8	To Pug Sd.	Graphite resistance rods for protective devices; Pug Sd reqn 257 for disappvd: directs standard appratus be used. W-R	
190263	6-8	To M.Is.	Radio drawings; reqt copies of RS 7F 135B and RS 7F 143A. W Pug Sd fwds vandyke 6-26	
190396	6-9	NY	Type plan of 20 kw arc radio scouting station for BS flag ships; fwds plan for C&R. W	
190541	6-10	NY	Bridge radio station; asks if instructions for ARKANSAS apply also to other BS at yard. W To--Will be in accordance with standard plans. 6/15	

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APPARATUS.

Number.	Date.	From or To—	Subject.	
188469	5/20	Darien R	Reqt authority to experiment with hydrogen gas for use in ard chamber	851
188669	5-19	NY	Distance control No 5 for BS; vandykes.W	
188718	5/15	S&A	Standard stock catalog; class 16; radio apparatus; fwds proofs	689
188815	5-19	Fed Tel Co	Specns for radio arc apparatus, ship and shore; comments on requirements of W To--Comments on specfns. 6/3	
188982	5-28	Cutting & Washington	Asks who will pay for radio apparatus for new coast patrol boats; also samll sizes for submarines.W To--Comments on. 6/6	
188988	5-20	Pug Sd	Standard installation of Lowenstein sets on GunBoats; fwds vandykes.W To--Appvs with modi. 6/3 Pug Sd reqt copy of latest sheets 6-10 To P. Sd. fwds. print 6-26 Pug Sd Reqt action. 7/25	
	Pug Sd reports shortage 8-24 To Pug Sd--Fwds prints. 9/11			
189098	5-26	To Dept Via S&A.	Recommendations as to purchase of radio material; recommends that the bid of a company whose continued existence and growth is considered of value to Govt may be accepted if it is not more than 10% higher than bids of a small company.W RB S&A considers in interest of preparedness, but impracticable under existing statutes; Dept request comment and further recommendation 6/22	

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APPARATUS. 876.

Number.	Date.	From or To—	Subject.	
177096		See Card #70	M Is asks if 2 kw wave changers to be obtained at NY 5/19 To M Is 6/1	
189244	5-27	Bost	Scout cruisers; standard radio drawings; fwds.W To--(4) Appvs plans with modi. 7/14 Bost Reqt action. 7/13 To--Directs changes in drawings. 7/19	
	Bost fwds vandykes 8-21 Bost fwds BIRM 8-24			
187594	5/27	To Yards	Radio test reports: directions for submitting.W Phila no comments 7/11	
188387	5-27	TO Varios	Radio apparatus; not to be altered without authority from Buresu; suggestions for changes welcomed.	914
189620	5-31	Fed Tel Co Personal	Conts 346 and 784; reports delays which have occurred and request extension time.W Fwd S&A--6/7	
189621	5-31	Fed Tel Co Personal	Conts 346, and 784; request inspection be made at Palo Alto factory and 50% payment be made; submits sketches schedule of prices.W	
189271	6-2	To NY.	SAMPSON-ROWAN-DAVIS-ALLEN-WILKES; duplicate motor motor-generators will be retained at NY. W To S&A--Reqt shipment order 179970-876 be made to include radio motor-generator.6/2	

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APPARATUS. 1916

Number.	Date.	From or To—	Subject.	
187676	5-11	At Flt	Lowenstein to experiment with radio for flying machines. W To--Will take up with Lowenstein. 5/16 To Lowenstein--Asks results of test of radio for aeros. 6/16 Lowenstein unable to develop 6-20	
187707	5-12	C&R	Ventilation of radio rooms of large vessels; recommends that 6 or 8 vessels be selected for trial installation W	
187677	5/1	San Juan	Have increased ground system with good results; advocates using illuminating gas in arc chamber in lieu of alcohol and kerosene	835
187596	5-13	To Comdr Air Service Via Dept.	Submits data on radio in connection with air craft. W NY fwds prints 5-22	
187896	5-15	To NY.	Reqt copy of plan instructions RY 43A 104A. W	
187593	5-16	To Yards.	Standard radio installation drawings; reqt complete lists of all drawings which has been appvd by Bu as standard. W NY submits list 5-23 Pug Sd 5-23 Bost submits report 6-7 Norf submits list 6/8 Norf 6-29	

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876 APPARATUS:

Number.	Date.	From or To—	Subject.
188023	5-16	To Deforest Radio T&T Co (T)	Replying wire thursday. W
188216	5-12	Fed Tel Co	20 kw arc sets; instruction book; applying to ets being furnished under cont 345.W
186851	5-18	To Yards.	Radio co-operation plan; semi-monthly reports; reqt comment and rec re making changes in. W To Pensa--All yards will send copy of to you. From Nov. 1st issue semi-monthly reports. 10/17 To Yards--Send copy semi-monthly radio reports to Pensa. 10/18 To Pensa--Directs semi-monthly radio reports be sent to certain places. 10/30
188143	5-18	To New Orlenas.	Radio stock; asks whether steps are being taken to carry stock as reqtd by 169880-876; asks if stock of audion bulbs is adequate. W
188277	5-18	To NY.	Standard stock catalogue; class 16; radio apparatus, and accessories, not classified elsewhere; S&A reqt proofs returned; reqt drawing numbers of. W

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APPARATUS: 1916

Number.	Date.	From or To—	Subject.
186393	5-2	To NY. (R)	Fwds Bu and yards battle radio control apparatus drawings. W NY fwds vandykes 5-8
186419	5-3	To Wash.	Directs one filter type ultraudion control cabinet and storage battery be forwarded to Western Elec Co for test. W To--Cancels above. 5/18
186420	5-3	To Wireless Spec Co.	Sample radio headband under contract 26127 not satis; former type of headband considered preferable. W To--Returns sample radio headband. 5/6
186421	5-4	To Bost.	Reqt data on type of dry cell manuf by Boston-Burn Dry Cell Co of Bost. W
186751	5-4	To Crocker-Wheeler Co.	Fwds copy of Bu's specfns covering apparatus for 20 and 30 K.W. arc type radio sets. W
186422	5-5	To NY.	Drawings of coordination plan; reqt certain prints to bring file up to date. W NY revised classification 5-18 NY fwds vandykes 5-19
186880	3-18 5-3	At Flt, 4th Div Phil a	Submits list of work necessary to bring installations up to standard; Phila asks if in accordance with standard radio requirements. W To Phila— Instructions. 5/13

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
186947	5-5	NY	Battle radio y and yes; status of work on delayed on account of shortage of drafting force.W
	To--Appvs RY 65F 138A. 7/28		To--Asks when revision of plan may be expected. 7/12
			NY standard battle radio diagram; revised; fwds print 7/21
187004	5-6	NY	Request standard plans of radio rooms for TBDS as basis for drawing up standard plans for installation.W
186395	5-6	To Atl Flt.	Bu has reqtd shipment of bulbs to WYOMING from Wash; reqt ~~xxxx~~ test be made of. W
			To S&A--Reqt for shipment. 5/9
186850	5-8	To Phila.	Protective appliances; reqt two copies of latest drawings of. W
			Phila fwds plan 5-16
187375	5-9	Lowenstein, F	Buzzer set and set for aeroplaes.W
			~~Phila~~
187541	5-11	To Wash.	Order #2 for 12 5 K.W. radio sets; will be held in stock for general issue. W
			To NY-W.Is-- Fwds copy above. 5/11
187672	5-13	Fed Tel Co T	Reqn 287; request certain specns requirements be changed; also that factory inspection be waived and power apparatus accepted on test records.W To--(T) Specfns received. 5/22
187671	5-11	NY	Battle radio distant control system; fwds standard drawings.W

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APPARATUS: 1916

Number.	Date.	From or To—	Subject.	
184490	4-19	To Dept.	Reqt authority toopurchase arc radio apparatus from Federal Tel Co on proprietary basis. W Fwd Dept-- Reqt contract be made. 4/29	
185197	4/20	Bost	Request authority to proceed with radio alterations to third division, At Flt; high tension lead, alterations to antennae etc	493
185202	4-14	At Flt	Eyck generator and Dublier transmitter used in making a test of a radio aeroplane; fwds photographs.W To--Desires test on SEATTLE with Sperry representative present. 1/2 Atl Torp Flo returns corres 1/8	
185301	4-21	To Phila.	Reqt prints of detector protective relays being manuf at Yd. W Phila fwcs plan 4-29 To-- Reqt copy plan RL 44F 101B. 5/13 Phila plans 6-9	
	To-- 6/23 Phila fwds vandyke 7/6			
185604	4-11 4-21	Aero Sta Operations	Radio for aeroplane experiments and tests. Fwd Dept Via C&R-- 5/3 RB 5/16 To Wash--Have reqtd shipment of set from Pensacola; reqt est for installation. 5/3 To S&A--Reqt for shipment. 5/3	
185516	4-26	To Phila.	Bu has directed manuf of 25 receiver transfer switches at Wash; asks if yard can spare detector relay for test at Wash.W	
185637	4-26	To Bost.	Directs development of standard plans of shore station radio distant control. W To--Submit estimate for manuf or purchase of 4 sets of relay keys. 6/8	

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876 APPARATUS:

Number.	Date.	From or To—	Subject.	
185520	4-27	To NY.	Reqt copies of all yard prints RY 66F 117 and 115 with errors in reference numbers corrected. W	
186144	4-27	At Flt	Submits comparison between 30 and 15 kw arc sets. W	
185668	4-28	To Fed Tel Co.	Specfns for Radio Arc Set, Ship and Shore stations" fwds copies of. W	
186225	4-27	New Orleans	Request prints of all radio stores carried by Navy Yards. W To-- Fwds. 5/15	
186535	4/27	Atl Flt	Fwds report on comparison of 30 and 15 kw arc sets. W Fwd Dept Via Rad Ser-- Comments on. 5/6	RB 5/16
185669	5-1 C&R directions issued 6-5 To NY--Instrns. 7/7	To C&R.	Standard plans of radio bridge station; gives modification in. W To Atl Flt- Ditto. 5/1 To NY--5/1 C&R asks what flag bridge station means To C&R--Defines term. 5/15 ~~Marine Corps reqt action~~ C&R instruction issued 5-31	5-11
186250	5-1	To Norf.	UTAH; reqt estimates for installation on of control box in upper deck arc station. W	

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APPARATUS.

1916

Number.	Date.	From or To—	Subject.
183797	4/5	Hon. C. U. Stone	Reqt wireless map showing Government land, Naval Stations, etc.W Fwd Rad Ser-- 4/7
183815	4/3	A. Nelsen	Reqt description of radio station.W
183950	4/6	NY	Fwds blueprints of Marconi's and Simon's 1/2 kw sets; Marconi's and Lowenstein's 5 kw sets; gives contract, requisition numbers.W
183988	3/30	Fed Tel Co	20 kw arc radio sets on contract 346; fwds prints.W
184095	4/5	National Elec Supply Co	Contract 24625, 1/2 kw radio transformer set;fwds description and photographs.W To--Ack receipt of. 4/6
184214	4-8	, Major R.E.Wood, Retd:	Request probable cost and description of a small set, radio station to transmit 150 miles.W. To--Gives data on.4/12
184274	4-5	Federal Tel Co	Fwds genl arrgt plan for 20 kw arc sets to be installed on BS. W To Bost--Fwds prints of. 4/13 bost fwds prins 6-8
184330	4-4	Pug Sd	Unarmored cruisers and gun boats; standard arrgt radio rooms; fwds vandyke. W To--Appvs. 4/12 To--Comments on plan; reqt new drawings be submitted for appvl. 4/26 To NY--Fwds Pug Sd copies of prints of Lowenstien 2-K.W. radio sets. 4/26

N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
184327	4-5	Fed Tel Co	Fwds prints of 20 kw arc sets on cont 346.W To-- Ack receipt of.4/12
183898	4-10	To Yards.	Reqt copies of shipboard standard radio plans be furnished Olongapo and New Orelans. W **Chasn 4-14 New Orleans 4-27**
184133	4-11	To Marconi Co.	Bu has recommened award of contract under schedule 9245 to Marconi Co for direction finding apparatus; reqt copy of description of apparatus together with prints. W
k84561	4-7	M.Is	2 1/2 kw sets manufactured; asks disposition to make of.W To--Gives assignment of. 4/19
184491	4-15	To C&R.	Standard radio plans, armored cruisers and gunboats; fwds. W
184706	4-18	To M.Is.	Reqt plans and estimates for manufacture of two 20-K.W. arc radio sets in accordance with specfns for. W **To-- Reqt action. 7/12** **M Is plan 70% completed, can submit estimated by Aug. 10th 7/20**
185200	4-19	NY	Radio distance control; fwds vandykes.W To--Appvs with comment. 4/21

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[OVER.]

APPARATUS: 1916

Number.	Date.	From or To—	Subject.
181902	3-5	Olongapo	Reqt standard radio drawings.W Fwd NY 3/20 RB 4/29 Fwd Wash 3/20
182037	3-11	Pug Sd	Fwds article by RH Marriott on radio development; request authority to publish.W
182089	3-14	Fed Tel Co	Arc aparatus; recent developments; recommends substituting bronze block castings for insulated bushing at cathode ends.W To-- Comments on 5/26
182120	3-1[illegible]	NY R	NY (R) gives charges 3-20
182152	3-1 3-14	The Citadel Chasn	Reqt authority to buy obsolete radio material. W Fwd Dept--Sale satis. 4/5 Citadel Further 3/27 Fwd Dept-- 4/10
182142	3-20	Sammis, F.M.	Request opportunity to bid on future requirements Fwd S&A--3/22
182105	3/20	To Wash via S&A	Reqt shipment to Cavite of H udson filament bulbs for use in connection with radio audion receiving apparatus.W
182120	3/20	To NY D	Asks total cost as carried in store one five kw Navy type set complete, first lot, including one receiving set.W

N. S. E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
182339	3-18	Fed Tel Co	20 and 30 kw sets; now under construction; fwds prints showing rotary wave changer.W To--Ack receipt of. 3/24
182391	3-22	Nav Intel	Poulsen system; Argentine Naval Com request specns covering. W. To--Unable to furnish; information confidential. 3/27 To Fed Tel Co--States Bu informed by foreign govt that Co could furnish radio set similar to that purchase by US; Bu assumes informant mistaken. 3/27
182616	3-24	To Atl Flt.	Standard plans, radio telegraph antenna for TBDS; fwds. W
182758	3-18	At Flt	Arc radio sets; submits lif of faults and causes for same.W
183068	3-25	Bost	Fwds tracings of standard rado installation for Scout Cruisers.W To--Appvs. 4/3
183019	3-29	To S&A.	Specfns for radio arc set, ship and shore stations; fwds copy for blueprinting for issuance to manufacturers of radio appratus.W
183118	3-31	To Wash.	Calls attention to unsatisfacory condition of radio appratus shipped from Wash to M.Is. W
183631	4/3	NY	Letters from N. Tesla relative to his wireless system.W To N.Tesla--Information reqtd confidential; unable to furnish. 4/18 To--Fwds copy reply. 4/18

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.	
179349	2-17	To T.D.Bowes.	Have authorized Phila to permit you to inspection of 1/2 K.W. panel radio set.W To Phila--Authorizes inspection of set.W	
179971	2-25	To NY.	Order #2 for 12 5 K.W. radio sets; reqt plans and description of. W	
180315	2/3	National Elec Sig Co	Personal to Clark: Asks how to go about securing business from the Government. W	
180263	2-28	To Pac Flt.	20-K.W. arc radio sets for armored cruisers; two sets are due for delivery in near future, asks which cruisers should receive installation. W RB 3/25	
179970	2-29	To Bost.	SAMPSON-ROWAN-DAVIS-ALLEN--have rectd shipment of 5-K.W. Navy type radio sets for; reqt estimates for installation. W To S&A--Reqt for shipment. 2/29 To NY--Makes assignments for 8 5 K.W. Navy type radio sets. 2/29 To S&A--Reqt shipment of 2 sets to Phila for WILKES & TRANSPORT. 2/29 To Phila--Notifies of shipment; reqt plans and estimates for installation. 3/1 To Bost--Reqt estimates for SUPPLY SHIP. 3/1 Bost asks what estimate for installing new destroyers shall cover 3-4 To Bost-- 5/13	
180873	3-1	McDouwell, C.F.	Reqt instructions re insta lling radio outfit. W To--Fwds specfns covering. 3/8	

N.S.E. Form 134.

876 APPARATUS:

Number.	Date.	From or To—	Subject.
180939	3-7	To M.Is. (R)	Do not manuf items mentioned in Est for manuf NSA 2426 pending futher instructions. Y M.Is (R) corres mailed this date 3-12
181106	3-8	NY	Radio apparatus; fwds misc. W
181267	3-10	NY NY will send prints 4/24 4/12 To NY--Expedite plans. 5/18	Battle radio installation; auxiliary radio room; reqt instructions re insulating rat tail lead and tube portable set. W To--Instructions. 3/15 NY auxiliary 3-20 To--Changes appvd; fwds drawings. 3/28
181552	3-13	NY	Auxiliary station; sound proofing of; one drawing calls for; other not; reqt decision. W To--Soundproofing will not be provided for auxiliary s ation. 3/15
181514	3-13	To Memo to Asst Secy.	Gives approximate cost of certain radio stations. W
181654	3-3	At Flt Z	Arc chambers; explosions in; suggests keeping air tight to prevent. W
181575	Fwd S&A--8/2 RB 9-7 RB 7/22 3-14 To M Is re ST.LOUIS & SARATOGA 5/26 RB6/21 Fwd Phila 6-24 RB 7-13 To Pug Sd--(T)Expedite plans & est for CHARLESTON. 5/15 Pug Sd (T) recommendations 5-18 To S&A--Expedite shipment. 5/17	To M.Is. Fwd S&A-6/17 To--(R) Report probable date shipment: 5/12	B&W M.Is reports on status 6-5 CHARLESTON-MILWAUKEE-ST.LOUIS-CHATTANOOGA/ assigns 5-K.W. Navy type radio sets, Order #2 to. NY status of, status of 2nd lot 6-27 To S&A--Reqt for shipment radio set from M.Is to Pug Sd for above ships. W To Pug Sd--Notifies of assignment; reqt plans and estimates for installation. 3/15 M.Is can make shipmt 6-1 5-13 To Pug Sd--(R)5/16
181720	3/15	Ord	Fwds report from BIRMINGHAM on test of the effect of high frequency constant oscillations of a high powered arc transmitter on electrical primers. W

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[OVER.]

APPARATUS: 1916

Number.	Date.	From or To—	Subject.	
176945	1-1 5	M.Is	1/2 kw radio set; estimate for mfg. W To-- Appvs. 2/3	
177020	1-15	M.Is	5 kw radio set; lot No 1; gives actual cost of manufacturing.W	
177105	1-24	M.Is	5 kw sets; fwds plans for approval.W To Via NY--Appvs. 3/6	
		Fwd S&A--Disappvs M.Is reqt to manuf radio sets.4/4		
177096	1-15	M.Is	2 and 5 kw radio sets; estimate for manufacturing; fwds plans.W To Via S&A--Appvs estimates for manuf. 2/29 To-Appvs est.3/27 To--Phila will furnish plans for manuf. 2/24 M.Is submits estimate protective app 3-14 To Phila-- Furnish M.Is plans of. 2/24	See Card 77 2/24
177219	1-26	To S&A.	Reqt shipment copper tubing inductance coils from Bost to Wash. W	876
177417	1-26	Pug.Sd	Arc type radio station; shore; reqt plans.W Fwd Y&D--1/31 RB 2/8 To Y&D--Reqt copy of plan now being prepared be furnished Pug Sd. 2/10	
177444	1-27	Phila	Specns for radio set; reqt interpretation list of spares. W To--Gives interpretation. 2/1 To S&A--Reqt change in specfns. 2/1	
177543	1-31	To S&A.	Manufacture of Order Number #2 radio sets; gives assignment of work underway, reqt shipment be expedtied. W To NY--If 12 spark gaps cannot be completed by April 1st Bu will order on reqn. 2/1 To Yards--Fwds copy above letter to S&A.2/1 NY will be completed about Apr 1st 2/4 Bost reports shipment switches to NY 2-4 Bost reports shipment of jar racks 2-4 To Bost--2/15 RB 2/26 M.Is submits estimate 2-19 To M.Is--Reqt further infor re replacement of Crocker-Wheeler generator. 3/4 Fwd S&A--Appvs est manuf motor-generators at M.Is. 4/4 RB 4/6	

To M.Is--(T) Estimates manuf radio generators appvd. 4/8
To M.Is--Appvs est. 4/10 ?
To Yards--Reqt expedtie completion 2nd lot radio sets 4/26
RB from Wash 4/29
NY to be completed 5/31 5/1 RB 7-13
Bost 5/1 To Bost--5/4 Fwd NY-5/25
Phila 5-5 M.Is reports status 5-3
Fwd NY--5/11 RB 5/24
To M.Is--Re coil winding machine 5/24
Bost reports shipment material 5-26
M.Is reports shipment to NY 8-8

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M.IS ARM SHPD 8-18

N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
177959	2-1	NY	Reqt co-ordination class 70 be assigned to radio distance stations.W To--Appvs. 2/21
178358	1-29	M.Is	Radio drawings for cordination reports; reqt supply of. W Fwd NY--Prepare recn covering material.2/18 RB 3/20 To--NY will supply stock. 2/18
178477	2-9	To Western Elec Co.	Have issued instrns to Yards to consider proposition of renting telephone lines to connect the transmitting or receiving stations. W To Yards-- Fwds copy above. 2/9 RB from New Orleans 2/18
178709	2-10 NY 5-10 To NY--Modi plan to include soundproofing operator's compartment. 5/2	To Atl Flt.	Arrangement of upper deck scouting station, 20-K.W. arc radio set; fwds copy of drawing for comment and recommendation. W At Flt returns print comments; make operators room larger 2-19 To NY--Appvs plans with modi. 3/4
178990	1-3	Asiatic Flt	Request that semi-monthly reports be forwarded to Olongapo and Cavite.W
178955	2-7	Train Sta,Norf	Reqt old radio apparatus for signalling squad W Fwd Wash-- 2/15 RB 3/9 Fwd Wash-- 3/15 RB 6/9 To S&A--Reqt shipment rec set from Wash to. 6/10
179269	2-16	To M.Is.	Asks authority for manuf of oscillation transformers and loading coils. W M Is corrects 2/26
179317	2-9 To Pac Flt--Comments pd. 5/23 To Fanning-Fwds copy above.5/23	Pac Flt	Fwds suggestions of Gunner W.N. Fanning, for using different tones instead of dots and dashes for sending code messages; typewriter and duplicate operations of shore stations.W Fwd Rad Ser-- 4/12 Rb 4/15 Fanning reqt letter be made matter of record 4-18

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[OVER.]

APPARATUS: 1915

Number.	Date.	From or To—	Subject.
174485	12-28	To Yards- Ships.	Arc type radio installations; gives precaution against electric shock. W
174486	12-28	To Yards-Ships.	15-K.W. arc radio sets; main hand key for will not be installed; return to NY for future disposition. W Bost turned in for shipt NY 1-7
174955	12/29	VIRGINIA R	Asks what BS are equipped for arc transmission in addition to NEBRASKA.W To--(R) Names ships. 12/30
174958	12-30	To C&R.	Radio equipment for ships; standard sizes; submits data on. W
175064	12-30	Radio Division	File of old correspondence between Bureau and Capt S S.Robison relative to early radio systems, installation,stec.W
175326	12-31	NY	Radio installation on BS and Flag Ships; fwds plan.W.
175367	12-23	Dupre, Hon HG	Reqt radio data for R.R.Ellis.W Fwd Rad Ser--None available. 1/6

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
175297	1/4	To A tl F 1 t	Radio information desired from Winter maneuvers; lists questions to be reported on upon return of fleet	493
		To Dept--Gives status of radio material and construction work, Dec. 31, 1916. 1/9		
175979	1-8	Operations To--Ditto for Aug & Sept. 10/12 To--Gives radio progress during February. 3/6 To-5/2 To--Ditto for March. 4/4 To--5/6 To-7-31	Radio work; reqt monthly memoranda of progress of radio work in carrying out program adopted by Board Feb 23. W To--Gives work completed during past six months. 1/20	
176260	1-11	Bost	Old Telefunken apparatus; reqt instructions re disposition. W To S&A--Reqt shipment to NY. 1/15	
176526	1-18	NY	1/2 kw spark type radio set; estimate for manufacturing. W To-- Appvs. 2/3	
172927	1-18	To Yards-Ships.	Radio apparatus for ships in reserve and out of commission; gives instructions re submitting reqts for apparatus for. W	875
176540	1-7	Pierce, Butler & Pierce	Reqt information re equipping station capable of ending 200 miles. W Fwd Rad Ser--1/25 To-- Suggests take up with manufs of radio apparatus. 1/25	
176613	1-6	M.Is	Radio transmitting set specns; proposed. W Fwd NY Via Wash-- For comment. 2/7	
167433	1-21	SEE CARD #64.	To Bost--(R) Ship radio oil engine to Phila. 1/21 To Bost--(R) Asks why repairs to engine. 1/21 Bost (R) gives history of engine and why repairs necessary 1-22 Norf set turned in NY 2-19 To M.Is--Lists certain apparatus not reported. 4/16 To M.Is--Ditto. 4/24	RB 5/16 RB 5/12

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APPARATUS: 1915

Number.	Date.	From or To—	Subject.	
172663	11-30	To NY.	Radio material on hand; reqt information as to disposition of material shown to at Yard. W NY reqt copy of certain correspondence 12/11 To copy forwarded 12/15 NY gives data 12-30 To NY--Bu located receiver. 1/6	
NY received from Chasn 2-10 To S&A--Reqt for shipment. 2/16				
173147	12-1	NY	Fwds genl arrgt plan main radio station BS.W To--Appvs. 12/8	
172927	12-9	To Dept Via Rad Ser.	Radio apparatus for ships in reserve; asks Dpet's policy of equipping old type of ships.	875
173419	12-9	To C&R.	Bu will install 15-K.W. arc radio transmitters on certain ships; reqt C&R work in connection with installation be completed prior to July 1st. W	
173638	12/10	Paul V. ~~Heinie~~ Heine	Reqt discarded obsolete radio set.W To 12/15	
173728	12-11	To NY. (R)	Report shipment made 15 K.W. arc radio sets; also date manuf loading coils will be completed; expedite coils for Great Lakes. W NY R Gives status of. 12/13	
173884	12-14	C&R	Arc radio sets; not certain whether work under C&R can be undertaken prior to July 1, 1916; for installation on Cruisers; reqt plans.W	
173973	12-15	NY	Reports on test of 15 kw arc set Fed Co cont 89; submits recommendations for specns for new arc sets.W	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
174095	12-16	DeForest Co	Reqt Bureau observe new address in sending schedules and other official papers. W Fwd S&A--Noted: 12/19 To-- Ack reciept 12/18	
174266	12/18	Radio Engineering Co	Reqt schedules of equipment for radio apparatus. W Fwd S&A--12/21 To-- 12/21	
174330	12-20	To NY.	Reqt early report on 10-K.W. radio transmitter assigned PENN. W	130-6
174392	12/18 12/20	Hon. Wm. S. Kenyon Dept	Reqt C. J. Miller be furnished with information on. W To--(Secsig) 12/23	
174566	12/21	NY	Type plan of upper scouting station for BS and flagships; fwds prints of changes. W To--Appvs. 12/24	
174583	12-23	To NY.	Manuf of 1/2 K.W. radio sets; reqt estimates for. W	
174605	12-23	To Dept.	Co-operation of American T&T Co and Western Electric Co with Navy Dept. as regards national defense; calls attention to. W	
174687	12/23	Phila	Screws; reqt decision as to whether or not the ASME standards are to be used for radio equipment	738
174765	12-27	To Yards.	Manufacture of 2-K.W. and 5-KW. radio transmitting sets by Atlantic & Pacific coast yards during 1916; reqt estimates be submitted for. W Pug Sd (T) 3-29 reports NY est held up pending completion of trial gap 2-12 NY estimates 4/12 To Bost--Appvs estimates. 2/15 Phila estimates 2-29 To NY-Reqt est. 4/6 Pug Sd (R) reqt additional info 3-9 To Pug Sd--(T) NY directs to expedite plans for wave changers. 3/9 To Pug Sd--(T) Expedite estimates. 3/25 To Pug Sd--asks status and directs report progress 6/1 Pug Sd submits estimates 3/29 Bost estimate 2-2 To Pug Sd via S&A--Appvs estimates. 4/17 To Bost--Discrepancy in. 2/8 For Norf see 172363-882-3 NY re estimate 4-26 Bost est in Mfg reqt nearly correct 2-12 Corr. To NY--Reqt est. 2/28 To Phila--Appvs estimates. 3/7 To NY-Appvs est. 5/1	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
170562	11-9	To Yards.	Standards radio installation drawings; instructions re preparation. W To Fleets-Rad Ser--Fwds copy above. 11/9	
170922	11-9	Phila	Radio sets, lot No 2; fwds plan of rotary spark gap developed for.W	
170920	11-9	Norf	COLLIERS & AUXILIARIES: standard radio equipment for; fwds plans.W To--Returns appvd. 11/12	
170829	11-10	To S&A.	Specfns 16-R-1, revised, radio sets; fwds for printing. W-K S&A fwds proof of specns 11/23 To-- Returns. 11/26	
171030	11-8	Bost	5 kw sets; fwds print of rotary spark gap mfg for.W	
171044	11/12	To Ports	TENNESSEE; as ship is scheduled to leave yard before WASHINGTON, the first 15 kw arc radioset is assigned former vessel	431-6
171032	11-12	To Bost.	Recd information re disposition of certain radio material. W Bost 11/19	
171451	11/11	M Is	5 kw radio sets; second lot; submits list of generators, starting panels, etc, to be shipped to NY and number to be retained M Is.W	

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876 APPARATUS:

Number.	Date.	From or To—	Subject.
171363	11-16	To Bost.	Asks assignment made of two 2-K.W. radio transmitting sets under conntract 221. W
NY gives nos of those assigned SONOMA and ONTARIO	12-10		RB 11/30 To NY--Asks if receiving apparatus was shipped with radio sets. 12/4
171364	11-16	To M.Is.	"Instructions for installation and operation of Poulsen type of arc transmitter" reqt 25 copies of. 11/16 M Is fwds 25 copies 12/9
171472	11-17	To Bost. VOID	
171476	11/16	Emil J. Simon	Contract for 25 half kw sets;states owing to time required in connection with defending Marconi suit, will require time of delivery.W be extended.W
171673	11/16	NY	30 to 100 kw arc sets furnished on contract 350; fwds prints.W
171737	11/18	Marconi Co	Reqt list of ships and stations fitted with Marconi apparatus.W To--Unable to furnish.11/23
172079	11/19	Supt Bost District	Reqt be furnished with all semi-monthly radio reports.W To Via Bost--Unable to furnish. 11/26
172199	11-25	NY 1	5 kw sets Boston Mfg. Adverse report on rotary spark gaps furnished.W To---Reqt repairs to made.11/27 NY est 12-6 To NY-- Apbvs est. 12/9
172244	11-24	Norf	Colliers and auxiliaries; standard radio drawings; fwds.W
172606	11-30	DeForest Co	Gives new address for correspondence; F.M.Williamson, former president resigned.W
172541	11-30	To H.P.Veeder. (T)	Wednesday forenoon satis. W

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APPARATUS.

Number.	Date.	From or To—	Subject.
169235	1 0/23	NY	Coordination plans, radio; reqt class be assigned to cover radio rooms and general location plans.W To--Appvs with modi. 11/2 NY reqt interpretation of par 1 bu letter11-12 To--Comments on. 12/7
16423	10-26	Ashburn, A.A.	Reqt written confirmation that Lt. Hooper refusal to give information relative to Federal Tel Co. unless directed by H.P. Veeder. W To--Confirms.10/29
169454	10-15 10-26	USS NEW YORK At Fleet	Deck scouting station; reports on defects with recommendations for future installation.W Fwd NY 11/15 RB 12/2
169469	10-18	Ihl, H.S.	Reqt opportunity to purchase condemned radio material. W Fwd S&A--Comments on.10/28
169455	10-23	Phila	5 kw radio sets; submits inc estimate for wave changers for.W To--Comments on.10/29
169568	10-21	Dudine, A.P.	Asks where to obtain radio apparatus.W To--Take up with manuf. 10/30
169765	10-28	CO- NY	15 arc sets; Federal Co. Reqt authority to proceed with certain repairs at Company's expense.W Fwd S&A--Reqt arrangement to made to cover work mentioned.10/29 RB 11/2
169694	10-26	Norf	Colliers and Auxiliaries; standard plans for radio equipment.W To--Appvs.10/30 Fwd NY-- 11/15

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876 APPARATUS:

Number.	Date.	From or To—	Subject.	
169850	10-30	To M.Is. (R)	Inform earliest date when one of second lot 5 K.W. radio sets will be ready for shipment. W M.Is (R) Gives date ready. 10/30 To--(R)Auth rewinding generators; ship ment reqtd to Ports for TACOMA. 11/10	
170033	11-1	NY	5 kw sets; gives cost of lot No 1; W	
24700	10/30	T S&A	Radio sets; reqt change in specns to cover set being furnished to CALIF	629
170127	10-27	Pug.Sd	Gunboats and Cruisers; fwds vandykes of standard plans for radio installation.W To--Appvs with modi 11/5	
170077	11-2	To M.Is.	Specfns for 15 30 K.W. arc radio transmitters; reqt be prepared. W from standard radio stock list 6-2 M.Is reqt choke coils transformers be cancelled	
To M.Is--5/3 RB 7/5		SEE CARD 94 To Bost--3/8	12-30 To NY--1/25Bost asks if NYnot for wire 1-27	
169880	11-2	To NY. NY reqt action M Is reqt auth stock audion cells 12/21 NY asks if receivrs and meters shall be sent to Washn & Phila 12-3 To NY--12/21 To NY--12/8 To S&A-- 12/10 New Or not To Yards--Gives arrangement for supplies of radio stock. 12/10 To Yards Ditto.12/22	Distribution of radio stock; fwds copy of proposed letter to yards; reqt revision in list of items. W NY asks if effective 12-16 NY returns with comments11-30 Fwd S&A-1/19 recNorf fwds requewt from Norf for shipment of radio material ; GSK refuses to act until further instructions from Bu 11-26 To New Orelans-1/11	
89	11/4	NY T	15 kw arc sets; reports breakdown relay key due to insufficient insulation; requires re-designing	629
170545	11/3	J. P. Bowerman	Asks how his station at Charleston, W. Va., can be fitted to receive the ard signals from Arlington .W	
170455	11-5	Phila	Standard radio equipment for Destroyers; fds vandyke.W.	

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APPARATUS. 1915

Number.	Date.	From or To—	Subject.	
167619	10/6	To NY	Binders for A sheets radio drawings; ack receipt of	634
167663	10-7	To NY.	Description of 5-K.W. navy type radio set; reqt. W NY will fwd 10-20 10-15	
167916	8-3 9-7	Olongapo Asiatic Flt	Gives description of wireless outfit including mast and equipment in store and not required; cannot be used on vessels of fleet. W Fwd Y&D--10/14 RB 10/18 TO -- appvd 10-20	
168011	10-5	Cuchholz, S	Wants to buy discarded radio apparatus. W To--Is sold at yards at auction. 10/14	
~~168092~~	10-6	M.I		
168093	10-6	M.Is	Submits estimate and request authoirty to manufacture antennae shortening condensers for stock. To--Appvs 10/14	
14				
168248	10-6	M.Is	Motor generator spares and variable reactance; detail drawings. W	
168390	10-14	To S&A.	Rect shipment of radio apparatus from Wash to ships and shore stations. 10/14 W	
168519	10-16	TO NY CROSS	Rect report on condition of apparatus purchased of Nat Elec Sig Co. cont 14418. NY generator and transformer were shipped Cape Blanco in June 1913 10/23	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
168250	10-16	TO GE Co	turbo generator Reqt comment on purchase of 10 2 kw sets, rpm of 1800 to replace those purchased from Nat. Elec Sig Co. cont 12874. CO 11/9 To--Reqtddescription of 3 K.W. marine engine gen set with cost. 11/12	
G E Co fwds report on 12/20 To GE Co--Ack receipt. 1/10 GE quotes price 2-10				
168804	10-9	M.Is	Arc sets; notes; fwds 50 bound copies. To Yards--Fwds instratuions for installation of. 10/22	
168790	10-18	NY	15 kw arc radio sets; fwds print showing proposed arrgt.W TO Phila expedite estimates 10-20 TO Bost ditto 10-20 to Ports ditto 10-20 TO NY appvd	
Ports have not received plan from NY; will submit estimates on receipt 10/23 Fwd NY--10/25 RB 11/2 Fwd Ports--11/3				
168898	10-11	M.Is	Standard plans radio equipment; antennae for tugs and cruisers.W. To--Appvs with modi.10/28	
169000	10-18	Alabama Nat.Guard Sig Corps	Reqt opportunity to buy discarded radio apparatus.W To--None available. 10/23	
168954	1 0/21	To NY R	Asks status 3 radio 15 kw arc sets for UTAH, NEBRASKA and BIRMINGHAM.W NY apparatus delivered without power machinery and switchboards 10/23	
169067	10-15	Supt Bost	Bu Standard papers and research reports;reqt.W	
169085	10-22	Phila	Standard plans; fwds vandykes of arrgt radio rooms on Destroyers,etc. W To--Appvs with modi.10/28	
169162	10/21	Washn	Reqt authority to make requisition for sufficient material, aluminum, platinum, brass, etc, for use in manufacturing radio apparatus; prices rapidly advancing.W To--Appvs. 11/10	

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[OVER.]

APPARATUS:

Number.	Date.	From or To—	Subject.
165379	9-9	To NY.	Arc radio transmitters for flagships; reqt plans of WYOMING'S arc installation be fwd to yards for use in making plans and estimates. W To Bost-Phila-Ports--Reqt estimates for installation of upper deck radio stations on Flagships. W NY submits est 10-2 To NY-- 10/4 To NY--10/6 NY est 10-9 To NY--Appvs est for motor driven pumps.10/11 CONN sketch of upper radio sta 10-1 NYBy plan shows no clearances 10-14
TO NY re description of app 10-18 Fwd C&R CONN location satis 10-19			
Bu.47	9-9	To S&A.	Bu Reqn 47/1916; 15 K.W. arc radio transmitting set; reqt change in delivery of.W-R
165513	9-10	To Bost-Phila-M.Is-NY.	Cost of 5-K.W. radio set, lot #1, navy yard manuf; reqt report on. W Bost-submits est.W.9/22. NY gives corrected cost for loading coil 11-4
165653	9-8	South Bend Watch Co	Reqt instructons re installing radio set.W To-- Not available. 9/18
165687	9-4	M.Is	Reqt 2 complete 2 kw, 500 cycle sets from NY for stock. W
166018	9-14	Marconi Co	2kW and 1/2 kw commercial sets; fwds photos; quotes price.W To--Ack receipt of 9/17
To--Wiol visit Friday.9/28 Co.reqt.date of visit to factory to inspect new type set 9/20.			
165973	9-16	To Yards.	Report desired on deficiency of radio station in order to complete equipment for primary system. W RB FR New Orelans. 9/25 RB FR Wash 10/2 RB FR Key West. 9/27
Bost no deficiencies; 10-19			
166236	9-14	Pug.Sd	Radio equipment Cruisers and Gunboats; fwds plans.W To-- Appvs plans. 10/7 To--Returns plans. 10/12

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N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
166625	9/9 9/24	NY C&R	Distant control radio stations on board ship; fwds plan of proposed metal radio house on Admiral's bridge; C&R reqt names of vessels on which install to be made. W Fwd C&R--Gives ships. 9/27 To NY Via C&R--Auth installation on. 9/27 To Atl Flt--10/1
166715	9/20	MacLeod, Roger	Reqt permission to purchase obsolete Navy set. W To--Not for sale. 9/30
166856	9/26	Clark, G.H.	Co-ordination scheme; reqt addition of new class, No. 62, wire conductors. W To NY--Include above. 10/13 To NY-- Reqt 2 copies RE 1A 100C. 10/26
167285	10-2	NY	Loading coils for 30 kw arc sets; est for 10. W To-- Appvs est for. 10/5 To--Asks probable date completion. 11/11
167415	10-4	NY	Standard plans for radio; fwds revised drawings showing location of switchboard. W To-- Appvs plans. 10/7 NY fwds standard plans 10-18 To--Appvs with modi. 10/23 NY fwds plans distant control 11-1 To--Appvs drawings. 11/6
167644	10-1	Geo. Washn. Life Ins Co	Asks firms who can supply small radio sets. W Reqt further information 101-18 To-- Gives. 10/23
167627	10-6	Goldhorn, Dr LB	Fwds specns of his apparatus; have been unable to bring set to NY for test. To--Matter now under investigation. 10/9 To--Comments on. 11/3
167433	10-6	To Yards. To Phila-12/6	Reqt report be submitted giving radio material on hand. W

M.Is 2-26 To Bost-(T) Asks condition Meitz & Weiss oil engine. 1/19 NY 4-26 RB from Norf 11/15 Phila 10-14 NY 10-18 Ports 10-18 To NY-1/10 To Phila--Reqt further data. 10/22 To Chas--12/4 To Wash-12/8 To Ports--Further. 10/26 RB 11/1 Bost 1-20(R) NY list 11-2 Bost 11-1 Norf 11-30 Chasn 12/17 VULCAN 12/13 NY 1-2 1 Chasn 11/16 To Pug Sd--1/12 RB 3/20 Phila 12-14 Wash 12/9 Phila 11-24

NY BRUTUS receiver shpd 11-4 12-10
NY asks re disposition obsolete radio app 11-6 To Norf-- 11/16 Pug Sd 12/8
To VULCAN--Asks disposition of old Fessenden receiver. 11/16 To NY--12/4
To LEONIDAS--11/17 Norf 11/16 To NY--12/4
LEONIDAS no launch turned in at NY 11/22

SEE CARD #69

APPARATUS: 1915

Number.	Date.	From or To—	Subject.
164038	8-12	M.Is	Reqt shipment of misc elec material from NY for stock. W Ref. S&A 8-24 RB 1/20/16 Fwd NY--11/27 RB 12/4 Fwd M.Is--12/4 RB 12/24
163099	8-25	At Com Co.	States quotation did not include towers, antennae, and installation. W TO -- ack 8-26
164396	8-23	DeForest Co	Reqt appt for Aug 25
164439	8-26	NY	Fwds copy ofsent to wash coast yards listing battle radio material in stock.W
164543 VOID	8-23	Pug.Sd	July 18 to 21
164533	8-16	M.Is	Submits detailed estimate for mfg arc apparatus.
164594	8-28	NY NY-further explanations of mods.recom.9/23. To NY-9/25	Distant control for radio station aboard ship; fwds proposed plans.W To--Returns with modi and comment.9/13
164689	8-31	To Dept Via C&R. To C&R--Gives stations required.9/11	Upper radio stations for Flagships; gives tentatively assignment of; asks if satis.W RB 9/11 C&R asks if upper deck arc radio transmitters are to be installed on flag ships now under const 9-10
164836	9-1	NY	Estimate for manufacturing gaps, and protective appliances for 12 5 kw sets.W Fwd NY--Recommendation. 9/2 RB 9/13 To--Appvs est for manuf.9/15
165977	9-3	NY R Fwd M.Is--9/7 RB 9/22	Reqt M.Is mfg and express reactance for 5 kw sets.W To S&A--Reqt manuf of radio reactances at M.Is. 9/3 S&A instruns issued 9-4 To NY--Have appvd manuf of.9/4 To M.Is--Appvs manuf of reactance.9/4

N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.
165115	8-28	M.Is	Reports on tg efficiency test of 5 kw Navy type set developed at Yard; tested set assigned BUSHENLL.W
165142	9-4	Norf	5 kw, 500 cycle sets mfg M.Is; reqt plans.W Fwd NY - 9/7 RB 9/27 To-- NY reqt to supply.9/7
165056	9-3	Richard,Pfund	His a paratus is worth difference in price.W
165040	9-4	To Federal Tel Co.	Furnishes information in connection with future Poulsen arc transmitters.W Fed Co, reqt additional information on Darien 9-8 To Fed Tel--Reqt proposal for purchase of San Diego apparatus.9/14 To Darien-(R) Reqt information re arc chamber crack. 9/14 To Fed Tel (T) Ditto. 9/14
165200	9-4	NY To NY Via Phila-11/10	1st lot of 12 5 kw radio sets; reports on test; calls attention to defects in work NY recom be del without rheostats 10-18 Phila, M.Is and Bost.W.NY re lead covered wire10-22 To Phila-M.Is--Notes defects in apparatus manuf at Yd.9/9 To M.Is-11/10 To Bost--State racks satisfactory.9/9 Phila replies to NY criticism 10-4 To--Appvs purchase of rheostats.9/9 To NY 10/21 M.Is prints 10-16 To M.Is--10/13 To NY--Specfs for wire;reqt.10/13 RB11/4
165230	8-30	M.Is	5 kw sets; fwds details drawings; transformer and motor generator. W
165293	9-8	NY	Standard plans for BS radio equipment; fwds showing installation on NEW YORK; recommends against placing arc in same compartment To Fed Tel Co--(T) Reqt drawings.9/21 with operator.W To-- Comments on location of.9/13 NY reqt drawings of 9-18 To-- 9/21
165287	6-17	No source	Specns for arc radio sets, 15 kw; as modified from Bu reqn 101; by conference Hooper, McDowell, and radio aides.
165501	9-8	At Flt	Distant control stations on board ship; fwds sketches showing simplification in connections proposed.W

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APPARATUS: 1915

Number.	Date.	From or To—	Subject.	
162615	8-5	To Atl & Pac Flts.	Transfer of radio outfit with shift of Flag; reqt recommendations as to items which should be carried as part of the Flag without special authority from Bu. W	
		Pac Fleet 8-18 Pac Coast Supt 8-28	Atl Flt submits list of equipment recommended as part of flag radio equipment to be transferred with the flag 8/17	
162616	8-5	To Atl Flt. To N.Y. instructions to use WYO. as guide 8-24	Equiping Division Flagships with 15 K.W. arc radio transmitters: reqt recommendations as to size of upper deck station to best accommodate this installation.W At Fleet recommendations based on experience with W'OMING ARC SETm 8-19	
162783	8/5	Ports	VOID	
162706	7/13	T. Scott Anderson	Callsattention to his new system of wireless telegraphy; transmits waves through water instead of through air.W To--Comments on.8/9	
162725	8-6	To M.Is,NY	Specfns for radio sets; fwds copy of proposed specfns for comment. W To--Reqt return.9/9. NY-suggestions.9/21. To NY--Ditto.9/9 M.Is 9-29	
162931	8/2	Fed Tel Co	Submits detailed proposals for 6 15kw arc sets.W	
		SEE BELOW	Pug.Sd 2-7	
162819	8-7	To Yards. M.Is 1-15	Standard plans for radio equipment, for ships; reqt plans of be preapred. W P.Sd. 1-18	
		To Yards-- Reqt add set plans.1/8-16 To Norf--Apprvs plans.10/7 Bost 1-17	M.Is impossible furnish drawings due shortage in drafting and clerical force 9-4	
		Ports reqt copy 11-12 Norf 1-17 To Ports--Fwds copy.11/23 NY 1-15	NY fwds 9-15 Fwd Dept--9/16 Phila no draftamsn available 9-16 Norf fwds 9/22	
8121	8/7	NY To Norf--Reqt.1/20	Reports on sample 1/2 kw set submitted by bidders	706
163056	8/9	Fed Tel Co T	Reqt probable reqn and cont no. for 15 kw sets quoted on; also shipping instrns, etc.W	
162819	1-24	SEE ABOVE.	Fwd C&R--Fwds radio drawings. 1/24	
		Norf fwds 1-29	Fwd C&R--Ditto. 1/24	
		To C&R--Fwds drawings. 2/18	Fwd C&R--1/24 To Pug Sd-- Reqt add copy drawing.1/25	
		Norf fwds 2-18 To C&R--Fwds radio plans. 3/10		

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Number.	Date.	From or To—	Subject.
163216	8-12	To M.I.	Reqs. data as to dispostion, etc. of 12 motor gen. and transformers mfr. at M.I.W RB 8/30
163437	87-13	Fed Tel Co Personal	Re difficulties in securing quotation from Westinghouse and GE for 15 kw sets.W
163479	8-2	Fed Tel Co Personal	Re 15 kw sets. W
163432	none	none	Description of a storm detector to be used with radio.W
163658	8/13	Addison A. Ashburn T	Reqt status of negotiations with Fed Tel Co for 15 kw sets, etc.W
163746	8/12	M Is	Kilbourne & Clark radio sets; states lightning switch and condenser rack were omitted in delivery; reqt NY fwd.W Fwd NY, ToM Is & S&A--shipment requested 8/21 RB from NY 8/28
163863	none	A. A. Ashburn (Personal)	Relative to flagship and long distance station equipment; contract with Federal Co.W To 8/20
163884	8/20	Fed Tel Co T	Have received reqn 47 and contract 89; asks if specns mailed Aug. 2nd shall be substituted for specns on reqn and contract.W Fed Co. holding up cont 89 awaiting action (T) 8-24 To S&A and Co.(T) appvg. sub.8-25
164053	8-17	M. Is	Reqt shipment of ultra audion bulbs, storage batteries, detectors for stock.W To M.I. dus. 8-24
164036	8-12	M. Is	Reqt authority to mfg misc radio material for vessels assigned Yard.W To M.I. via S&A appvd. 8-24

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[OVER.]

APPARATUS: 1915

Number.	Date.	From or To—	Subject.	
159741	7-2	TO Yards-Insprs	Installation of radio sets on new ships before delivery; reqt recommendations.	630
160294	7-8	TO Yards	Radio installation of vessels; examination and overhaul of on arrival of vessels instructions re	914
160887	7-16	M.Is T	5 kw sets; gives list of apparatus ready for shipment. W	
161026	7-12	Barinard, H	Receiving set for amateur station; asks where to purchase.W To-- 7/28	
161178	7-11	Johnson, K.D.	Asks if vessels taking part on cruise around the world were equipped with radio.W To--Was used to some extent; did not warrant retention in service. 7/22	
161503	7/25	William Hudson	New system of wireless telegraphy and telephone apparatus.W To--Reqt further inform tion on. 7/28	
161575 To M Is--re wiring 8/20 Phila recommendations 8-23 To Phila - disappved 8-24 Fwd Phila-6/24	7-27	To Yards.	Manufacture of 12 5 K.W. radio sets; appvs estimates for; gives action on. W Bost (T) asks for duplicate 7/30 To Bost-- 8/2 To Bost--See letter 8/2. 8/5	
161789	7-28	To Wash.	Substituion of regular ships voltage for storage battery, in audion radio apparatus; reqt experments to see if it is possible.W	
161986	7-28	To NY.. (R)	Shipment requested to Bost radio apparatus now on MAYRANT. W To S&A-- Reqt for shipment. 7/29	

N. S. E. Form 134.

876 APPARATUS:

Number.	Date.	From or To—	Subject.
161790	7-29	To Atl Flt-Yards.	Send station call letters when making test of new radio arc set in order Bu standards may distinguish. W
161986	7-29	To S&A. (VOID)	
162003	7-29	To Federal Tel Co.	Reqt opinion as to its attitude on the subject of navy yard manuf of arc radio transmitters for Navy use; Navy to purchase plans for each set manuf at sufficient price to repay Co for patent rights. W
162109	7/26	A. E. Seelig	Fwds print showing system of intercommunicating wireless station.W See 674 To Rad Ser--Fwds copy above. 7/30
162093	7-30	To Ships.-Yards.	Ultra-audion: have reqtd shipment of from Wash. W CROSS TO 898 To S&A-- Reqt for shipment. 7/31 TENNESSEE-ask date may be expected 9/23. To TENN--Have reqtd shipment of 9/27 TENN fwds copy of circ let 10-1
162094	7-31	To NY.	Have reqtd shipment of main operating key from NY to Bost; submit estimate for manuf of similar keys. W To S&A-- Reqt for shipment. 7/31 RB 8/25 To Bost--Have reqtd shipment of. 8/2 NY submits estimate 8-25
	TO NY appvd 8-26		
162396	8/2	Federal Tel Co T	Reports on progress of work on 15 kws; recommends certain certified fact of test records be expedited on Westinghouse motor generators; also reports on 20 and 5 kws.W Co expect to make delivery Oct 15th 8/4 To--(T) 15 KW sets will probably be appvd.8/4
162483	7/29	Atl Flt	Tuning of battleships' radio sets; gives table of ships and yards at which tuning was done.W (Cross to Atl Flt)

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[OVER.]

APPARATUS. 1915

Number.	Date.	From or To—	Subject.
156100	5-10 5-26	Lang, W.H. Supt Radio	Reqt permissionto purchase second hand radio apparatus.W To Lang--Have no material for this purchase. 6/28
156273	5-29	To M.Is.	Experimental work with radio arc set; directs investigation of the magnetic saturation of the field arc set. E
156498	6-2	DeForest Co	Quotes price of $1800 for 2 kw set now under test Washn.Yd.W DeForest reqt return of chopper 6-5 To--Tests now yet completed. 6/9
156499	6-2	DeForest Co	Quotes price $745 for combined Audion and ultra audion detector.W Void
156520	6-2	NY	Radio drawings: binders for; filing; reqt authority to purchase on proprietary reqn, several makes for test purposes.W To-- Appvs. 6/5 To - asks time of delivery of binders and punches for "A" and "AA" drawings 8/20 NY will submit reqn 9-1
156573	5-20	North British Wireless School	Asks if the US Wireless Co. 1 kw set meets requirements of American Law.W To--Dept Commerce will inform. 6/4 To Dept Commerce--For above information. 6/4
157138	6-7	Phila	Reqt copy of letter auth proprietary reqn for special radio apparatus.W To-- Fwds. 6/21
157171	6-10	To Yards.	Order #2 for 12 5-K.W. radio sets; reqt estimates for construction of. W Washn 6-12 NY 6-28 Phila 6-25 Phila 6-28 M.Is 6-24 Bost. 7-6 To NY--Reqt report on manuf of. 7/9 To M.Is--Ditto. 7/9 M.Is 7-14 NY 7-21

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876 APPARATUS:

Number.	Date.	From or To—	Subject.
157302	6-10	To NY.	Eight 5-K.W. radio sets now being assembled at NY are assigned to TUCKER-CONYNHAM-PORTER WADSWORTH-JACOB JONES-WAINWRIGHT-PENNA & MELVILLE. W TO NY cancels assignment to PENNA 8-18
157388	6-12	To Yards & Pacific Coast Radio Supt.	Equipment of medium powered radio stations for simultaneous sending and receiving; reqt estimates for. W
157823	6-8	Goldborn, Dr. L.B.	Reqt permission to demonstrate radio app. W To--Will make test of. 6/24 Goldbron, will demonstrate 9-11 To--9/16
157643	6-14	To Firms.	Reqt information on radio apparatus. W Wireless Spc Co. 6-16 Pfund, R. 6-17 Fed Tel Co. 7-13 Lowenstn. 6-17 Marconi 6-25 At Com Co. 6-30 Kilbourne & Clark 7-12
158769	6-23	Nat Elec Sig.Co	Lists apparatus on hand ready for early delivery.W
159031	6-24	NY	Reqt instructions re assembling receiving sets and telephone head sets for 5 kw sets Washn Yd.W Fwd S&A--Re shipment of. 7/1
158986	6-26	To Nav Intel.	Reqt copy of Marconi cataloque which was from England by Lieut Hooper with one of the confidential reports. W
159200	6-30	To NY.	Inform Bu as to size of radio room considered necessary for installation of a 15-K.W. radio arc set of shipboard. W NY 7-15
159980	7-8	NY	2 kw loading coils; fwdsdetailed plans.W
160081	7-9	To Yards.	Manuf of 12 5-K.W. navy type radio sets; reqt manuf be expedited. W Letter to NY cancelled. 7/14

To NY--Sets required at N.Is at early date. 7/16 Bost gives probable dates 7-16 NY 7/24
Phila 7-16

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APPARATUS. 1916

Number.	Date.	From or To—	Subject.
153246	4-24	S&A	Specns 16-R-1; radio sets for ships; asks if any changes desired.W To-Will give desired changes as soon as practicable. 4/27 **S&A reqt action be expedited 8/10** To - will expedite 8-14
153288	4-21 To Atl Flt--Comments on.8/31	At Flt	Recommends distant control radio station on board ship.W Fwd NY Via C&R-- For comment. 5/21 RB 9/25 To--Appvs req that portable bridge station be discontinued except on flagships. 5/21
153272	4-16	M.Is	Estimate for repairing 5 kw set originally assigned PROMETHEUS.W To-- Appvs. 5/7
153320	3-25 4-14 4-23 To Dept-- War Dept 5-19 See below: Recruiting Office reports on 5-20	N.D.Fenton & J.Y.Smith War Dept Dept	Offers device for projection of pressure impelled wireless rays at will; causing explosion of BS: Dept directs investigation.W Fwd Dept--Comments on. 5/4RB 5/8 To War Dept--Dept will investigate. 5/14 To Lieut Guthrie--Take up with inventors.5/14
153179	4-24	NY	Co-ordination of ; recommends classification for drawin s and that NY be made distributing and revising point.W To--Instructions. 4/30
153195	4-24	Phila	Co-ordination plans; reqt certain prints.W To-- Fwds. 4/30 To M.Is-- Ditto. 4/30
153323	4-19 4-22	Thiel, C. Britten, Hon. F.A.	Reqt information re constructing radio outfit.W To Thiel--Refers to "Manual of Wireless Telegraphy". 5/15 To Britten-- 5/15
153731	4-30	To Yards.	Ultraudion: fwds print and instructions for the use of same. W
153320	See above. To Lieut Sweet--Investigate. 7/1 To Fenton--Sweet will investiagte.7/1 To Nay--Reqt order for Sweet to Salt Lake City.7/7 **Lt. Sweet--fwds report 7/22** To M.Is-- Auth granted to test.7/28 To Guthrie--No further investigation.7/29 To War--7/30		To Fenton--Reqt plans and description of be given to Lieut.Guthrie for transmission to Bu for examination. 6/7 To Lieut Guthrie--Reqt plans be obtained from Fenton for Bu's examination. 6/7 Lt. Guthrie Fenton refuses to send by mail; recommends Govt pay expenses 6-16 To Guthrie--Lieut Sweet Will investigate.7/1

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876 APPARATUS.

Number.	Date.	From or To—	Subject.	
153924	5-3	To Wash.	Manufacture of radio receivers; submit manuf request for 20 of 5000 meter range and 30 of 10000 meter range. W	
153959	5-3	To Bost. (R)	When will first rotary gap of those now under construction be available for issue. W Bost replies 5-4	
154035	4-24	M. Is	Rotary spark gap 120 volt mfg completed before Bu cancellation was received. W. To--Unable to identifyt; reqt further information on. 5/6 RB 5/24	
154469	5-9	Clark, G.H.	Choppers supplied with 30 kw arc set from Fwd Co. no required for high powered set; recommends be surveyed and issued to Experimental laboratories. W	
154514	5/7	NY	MONOCACY & PAOLS; only one Marconi set available for shipment; gives distribution of sets under cont # 20507	523-6
155085	5-13	NY 809-752	Kilbourne & Clark radio sets purchased on contract 225; copy of letter to M. Is showing modification necessary to make effective. W	
155664	5-22	To Yards.	Instructions in RE1A10la have been modified new print will be isssued shortyly. W	
155667	5-22	To NY.	Have reqtd shipment from Chas of 2-k.w. 120 cycle motor-generator; hold in store. W To Chas-- Re shipmnet of. 5/22 To S&A-- Reqt for shipment. 5/22	

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APPARATUS: 1915

Number.	Date.	From or To—	Subject.	
151761	4-6	NY	12 -- 5 kw sets; status of manufacture.W	
152125	4-8	NY	Fwds prints of apparatus delivered under recent contracts. W	
152059	4-9	Bost	Lists radio material on hand assembled for battle radio sets on BS not required; reqt authority to return to NY.W To--Have reqtd shipment to NY. 4/13 To NY-- Notifies of shipment. 4/13 To S&A-- Reqt for shipment. 4/13	
152265	4-13	NY	Reqt authority to assemble and test 5 Navy type 5 Kw sets; contractors usually expend $100 per set.W To--Authorized. 4/26	
152339	4-9	Fel Tel Co.	Relative to basic quotations for arc radio sets, and fwds list of final quotations based on specns.W	
152381	4-14	Marconi Co.	Offers sets in stock on West coast for Alaskan stations. W.	
152719	4/14	Coast Guard	Reqt 2 kw, 60 cycle radio set	704
153166	?	Bost OVER	Fwds semi monthly report on radio apparatus. To--Instructions re submitting reports.4/24 To Yards-- Fwds copy print RE2A101A. 4/24 TO Phila 10-16 NY fwds plans 10-22 To Yards-Fleets-~~Sims~~- Exp Stations-Sims-SubmarineForce-Fwds one copy each of listed Semi-monthly radio reports-5-22	

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Number.	Date.	From or To—	Subject.
153166			Phila 4-16 Bost 4-20 Norf 5-1 Washn 5-1 P.S 4-16
		To Yards--8/9	To Yards-- Fwds print RE2A102A. 5/1
		To Yards--8/29	Chasn 5-1 Bost 5-1 Phila Pug.Sd M.Is 5-4 NY 5-8 Norf 5-7
		To Yards--9/12	Pug Sd 5/10 Wash 5/15 Chasn 5/15
		To NY--Acknowledges report of Aug 16th with thanks.9/13	To Yards-- Fwds print RE2A103a. 5/15
		To Yards--9/29	Phila 5/17 Phila 5/16 NY 5/15
		To Yards--10/27	Washn 5-24 Chasn suggests changes 5-21 NY 5-28
		To Yards--11/21	To Pug Sd-- Fwds drawings. 6/3
		To Nav Acad--11/28	To Yards--Print RE2A104a fwds. 6/3
		To Yards Stations--11/30	Chasn 6/1 Wash 6/16
		To M.Is.--12/1	M.Is--6/15 Fwd NY--6/30
		To Yards--12/15	To Yards-- Fws print. 7/2
		To New Lond--12/18	NY corrected 7-12
		To Yards--12/28	Wash 8/2
		To M.Is.12/28	To NY-- Reqt addtiona copies of report.8/5
		To Pensa--1/4	NY fwds additional copies 8-13
		To Stations Yards--1/8	To Yds--transmits Re2A109Am 8/19
		To Stations Yards--1/23	To Atl Flt-fwds RE2A109A 8/20
		To Yards Stations--2/18	To Fleets. 9/15 To Yards--9/15
		To Yards Stations--2/26	To Yards- fwds. semi-monthly report 3-20
		To Yards Stations--3/15	To Yards--Send copy of report to Olongapo Cavite and New Orelans. 3/29
		To AmericanTel Co-5-23	To Bost--Gives arrangement of matter and numbering of semi-monthly reports. 4/27
		To Phillipine Via Commandant Olangapo and Cavite-5-21	To Yards--Fwds semi-monthly report. 10/16
		To	To Yards--Fwds semi-monthly report. 10/19
		To American Tel & T.l Co- Fwds copy Semi-Monthly report-5-28	To Yards--Fwds semi-monthly report. 11/13
		To Cavite- 5-28	To Yards--Ditto. 12/12
		To Yards-Boards- Fleets-Sims- Air Stations- Exp stations- Fwds semi-monthly radio report dated May 16th--5-28--	To Yards--Ditto. 12/21
		To Commandants. Fwds. copy of semi-monthly reports. 8/6	To Yards--Ditto. 1/8
		To GACampbell Fwds.copy of semi-monthly rad.reports. 8/19	To Yards--Ditto. 2/1
		To Coms. Fwds. copy of Semi-monthly rad. reports. 9/5. To Ch.Signal Off.A. Fwds 1 copy of semi-monthly rad.reports.9/13	To Yards--Ditto. 2/15
		To GACampbell. same as above 9/13	To Elec School NY via Comdt--Disapps placing on mailing list. 3/1
			To Yards--Fwds semi-monthly. 3/7
			To Yards--Fwds. 4/25
			To Yards--Fwds. 5/3
			To Yards--Fwds. 5/24
			To Yards--6/8
			To Yards--6/19
			To Yards--6/26
			To Yards--7/7
			To Yards--8/6
			To Comts fwd reports 3-7

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[OVER.]

APPARATUS: 1915

Number.	Date.	From or To—	Subject.
148778	3-4	To Dept Via Nav.	Radio sets for Naval Militia Vessels; state remaining vessels not equipped cannot be undertaken until next fiscal year owing to condition of appro' W
148964	3-5	Navgn	Recommends radio outfits be shipped to certain Nav Mil vessels on Great Lakes.W To--Invites attention to 148778-876. 3/12
148910	3-10	DeForest Co.	3 kw arc type radio for; ready for inspection Will ship to Washn after return of Mr Clark.W To--Rec be shipped to allow delivery at Wash Yd by 17th instant. 3/9
149087	2-24	Nav Intel	Radio equipment for aeroplanes; fwds description.W
149139	3-2 3-8	Groom, F. Supt Radio	Rect data on connecting up Wireless instruments.W To-- 3/10
149434	3-10	Phila 6000-357	Suggestions for design rotary spark gaps for 5kw sets.W To--Comments on. 3/20
149524	2-7 3-3	Hill, Guy At Flt	Reports on battle radio installation of fleet.W
149508	3-11	NY	Fwds complete set of plans and description of Lowenstein 5 kw sets.W
149693	3/12	Col. J. Firth	Radio sets for aeroplance; French type; fwds report on satis operation of.W To-- Comments on. 3/15

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
149854	3-16	NY	5 kw radio set: protective devices for.W
150176	3-20	To Bost.	Radio apparatus: reqt disposition of. W Bost 3-25 Bost have located elec motor generatir in store house. 4-1
150530	3-8 3-22	Washn Indian Head	Differnce of opinion regarding installation of power panel on radio set near motor generator; using remote control switch. W Fwd Wash--Have G.H.Clark inspect.4/12
150545	3-25	To Yards. CL Phila reports shipments made 7/26 Washn 7/29 Washn 7/21 Washn 7/31 Pug Sd 7/27 Fwd S&A-- 8/5 Bost 7/23 Fwd S&A--8/9	Assembly and shipment of twelve 5-k.w. radio sets under construction at various yards. W To S&A--Gives assignment and reqt shipment of. 3/25 S&A phila reqt shipping instruns 4-7 Fwd S&A-- Re shipment of. 4/9 Washn W-22 shipped NY 7-21 Washn 7/24 NY 7/22 Fwd S&A--8/5
150653	3-20	Clark, G.H.	5 kw arc set mfg by Fed Tel Co. and installed on SS Ventura; Reports on construction.W
150768	? 3-19	Cordes, H.G. Pug.Sd	Reat lon of old type Shoemaker transformer for carrying on radio experiments.W To Pug Sd-- Appvs loan of. 4/1
151017	3-25	Fed Tel Co.	Relative to fitting new design choke coils on sets already delivered under cont 350, 269, and 55; fwds copy of letter to M.Is relative results obtained after 3rd mast South City blew down.W
151712	4-7	Phila	Rotary spark gap Bernier type; report on test; states result shows can get as high frequency as with alternator but does not give great compactness at low speed; fwds sketch. W To-- Comments on. 4/13

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APPARATUS: 1915

Number.	Date.	From or To—	Subject.	
145451	1-23	To Pitts.	Delivery of apparatus under Bu reqn #101; 5 30-k-w arc radio sets; material urgently needed; gives instructions re inspection. W-S To Westinghouse-- Fwds copy above. 1/25	
145679	1-27	M.Is R	2 Federal arc sets under test available for shipment.W	
145703	1-27	Fed Tel Co R	Gives dates on which 2 ~~and~~ 30 kw sets can be shipped. W To--(R)Have rectd S&A to arrange shpmnt.1/28 To M.Is-(R) Re shipment of. 1/28 To S&A-- Re shipment of. 1/28 rb 2 12 Fwd S&A-2/16	
		To NY-- States material may be rec'd prior to sailing. 1/28 To S&A--Rec shipment by freight.2/6		
145708	1-27	Hickman, H	Reqt data on LW To--Not available for distribution·2/2	
141203	1-20	To M.Is.	60 kw arc sets; reports alteration read door of arc chamber; blew out during Honolulu schedule; comment on.	891
146751	2-8	Office of Aero	Quotes cable from Naval Attache Paris relative to the purchasing of Ronzet Aero Wireless system; recommends.W Fwd Dept--Rec purchase be not made· 2/9	
146798	2-9	Siebold, L.P.	Reports case of Elec Measuring apparatus from Universal Radio Syndicate at Chasn Custom house with expense charges 10c/ W	
146928	2-3	McFadden, J.T.	Apparatus for adjusting radio; reqt investigation.W To--Rect description of. 2/19 McFadden further data 3-26 To--Fwds specfns covering radio sets· 4/6	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
146962	2-6 2-10 Simon sets fwds data 2-17 To Simon--Reqt quotation on. 2/23	Wireless Imp Co. Office of Aero	Reqt opportunity to bid on radio sets for Aeroplanes. W Fwd Nav Aero--Fwds Bu's reply. 2/13 To--Asks if have material developed for expermiments. 2/13
147029	2-8	NY	12-5 kwsets; reqt action on estimate; also date of delivery of material on schedule 1727. W Fwd S&A--Appvs estimates for manuf.2/15
147293	1-12	Firth, John	Aeroplane radio sets; fwds pamphlet from concern manufacturing material for French Army and Navy. W
147914	2-19	NY	Submits list of radio sets available for Naval Militia and estimate for putting in good condition.W
148079	2-24	To M.Is.	Have reqtd shipment from NY of Marconi radio set; asks condition of 500 cycle Diehl motor-generator shipped Yd from PRINCETON. W To NY--Reqt shipment of Marconi set.2/24 To S&A-- Reqt for shipment. 2/24
148210	2-23	Nav Intel	Rozet system of radio for use on aeroplanes.W
148369	2-5 2-26 Fwd Dept-- 4/22	NY PO S&A	Reqt information re payment of freight and cartage on radio apparatus shipped by Naval Attache to NY. W Fwd S&A-- Rec papers be refd to GSK NY. 3/10 RB 4/10 RFwd NY-- 4/12 RB 4/22
148705	2-12 To Phila Via M.Is--Have reqtd shipment of. 3/5 To S&A-- Reqt for shipment. 3/5	Phila	24 rheostats for mfg at M.Is. for 5 kw sets; reqt be shipped to Phila for installation on radio boards.W
148755	3-4	To NY.	Lowenstein set; reqt plans & description of.W

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APPARATUS.

Number.	Date.	From or To—	Subject.
143344	12-26	Indian Head	Reqt installation lightning switch, etc. W Fwd Wash-- 1/2
143351	? 12-28 12-30	F.L.Fox and F.C.Gibson Ord Dept	Wireless controlled aerial torpedo; suggestions for test of by Govn: Ord recommends $1000 to carry out; SE involved in receiving and sending apparatus. W Fwd Dept--Comments on 1/2
143390	12-30	To Fed Tel Co. (R)	Referring bids five ship set suggest modify specfns to require delivery arc apparatus at M.Is and material manuf Westinghouse at NY; quote reductions for certain omissions. W
		1915	
143423	Jan-2	Fed Tel Co. R	Bids on 5 ships sets; changes prices for delivery at M.Is. W Fed Co quotes further (R) 1-6
143607	12-31	Gresham, F.N.	Reqt data on radio apparatus used by Navy in connection with experiments. W To--Not available. 1/5
143489	12-31	Steigleder, F.N.	Reqt printed matter on. W To-- Not available. 1/4
143533	12-30	Indian Head	Reqt delivery be expedited. W Fwd NY-- 1/9 Fwd Via Ord-- 1/20
143600	1-4 M.Is 2-9 To NY--Gives modi in; reqt new prints be prepared. 3/27 NY 4/10--Fwds revised plans. W To Yards-- Fwds revised plans of. 4/13 NY 4-21 To NY--Auth add calss in. 6/1	NY 809-3	Submits plan for proposed change of radio drawings and information between Bureau and Yards. W. To-- Plan meets with Bu's requirements. 1/9 NY fwds 8 copes of print 1-13 To M.Is & Pug Sd-- Fwds print for comment. 1/22 To Yards--Fwds proposed plan for co-ordination of radio development at yds. 1/26 Bost 2-5 Norf 2-6 NY 2-6 Phila will fwd 2-8 Pug.Sd 2-4 Phila 2-9 Washn 2-10

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
144002	1-6	NY	Fwds prints and corres relative to switch board voltmeters, etc. for 12 sets to be manufactured. W. Fwd Phila-- For comment. 1/11 Phila estimate for panels 1-19. To Phila--Appvs estimates. 1/26	D120
144146	1-6 1-9	Brodbeck, Hon. A.R. Dept	Reqt radio data be forwarded to E.A.Gladfelter. W To--(Secy's sig)None available. 1/12	
144237	1-6	Schulze, H., Jr.	Reqt data on apparatus for amateur station. W To-- 1/14	
144432	1-13	NY 12, 5 kw radio sets; gives source of supply, reqns, etc to cover needed parts. W.		
144507	1-7	M.Is 222	Reqt descriptionf of radio installations on vessels which will visit West Coast summer of 1915. W. To--Owing to changes and modi in will be impossible to furnish drawings. 1/16	
144646	1-15	Clark, G.H. Co	Reports inspection of apparatus made by DeForest R. T&T Co. 1 and 2 kw transmitting sets, 200 watt transmitting telephone set; recommends test of a complete 2 kw set; also that test be made of oscillation portable sets. W	
144983	1-19	Dept 12479-770	Arc type radio apparatus; sums up excellent results SANDIEGO & WEST VIRGINIA and Arlington; Directs number of sets be procured for armored cruisers and vessels on distant service; also WYOMING & NEW YORK be completed prior to sailing of fleet. W. To--Comments on. 2/2	
145231	1-21	To Pac Flt.	Reqt average consumption of alcohol on SAN DIEGO & WEST VIRGINIA for making allowance lists of ships fitted with arc radio sets. W. Pac Flt 2-1	

APPARATUS: RADIO.

1914

Number.	Date.	From or To—	Subject.
141011	11/28 12/2	Dodge Institute of Telegraphy Supt	Reqt photos, etc., covering radio apparatus.W To-- 12/4
140978	12/2	Fed Tel Co T	Relative to furnishing of wave changes, etc on five arc sets for ship installation.W To--(T) Instructions. 12/3
140991	12/1	NY	Radio sets for Naval Militia vessels; estimates for repair and assembly of six low frequency sets.W To--Appvs; work not to be undertaken at present. 1/23
141038	11/18 11/23	Super of 4th Nav Dist Navgn	Fwds datd relative to big improvement in radio instruments suggested by Peter Cooper Hewett.W Fwd Nav Via Rad Ser-- Comments. 12/8
141087	12/2	De Forrest Radio T&T Co T	100 watt motor generators; reqt shipment of to Electric Specialty Co for alteration.W Co. 12/3--confirms radio and gives data.W Fwd Wash Via S&A-- 12/3 DeForest reqt set at To-- Comments. 12/7 Stan be returned 12-9 Co not recd 12-18 To-- 12/22
140975	12-3	To Bost;NY;M.Is;Phila,	Construction of 12 complete 5 k.w. radio sets; gives instructions re. W Phila 2-25 To NY-- Instructions. 12/5 Phila 3-2 Bost 3-3 NY prints and est 12-11 To Bost-(R) Re est.3/3 To NY--Appvs estimates for.12/12 To Wash--Fwds copy of letter 12-3. 1/11 To Phila-Re transfer switches.2/23 Bost est on switchboard 1-14 To Bost--Wainting est from Phil.1/20 To Phila--For estimates. 2/5 Phila submits 2-10 To Bost-Appvs est.2/20
140933	12-1	Fed Tel Co. (T)	35 k.w. arc sets; reqn 101; proposed bidding on Westinhouse apparatus; will bid on four bearing set if apparatus is to go on shipboard. W To--(T) Preper four bearing set. 12/2 Fed Co.(T) gives desc of motor gen sets 12-10
141111	12-4	To NY;Ports;Bost;Norf; Phila;Chas;M.Is;Pug Sd.	Radio material on hand; request report on.W NY 12-24 Phila 12-31 Chasn 1-2 Pug Sd 1-6 Bost 1-16 Norf 1-22 RB from Mare Is. 2/1 Bost 2-10 Ports 2-26 To M.Is-- 4/21 RB 5/26
140975	3-4	To Phila, (SEE ABOVE)	Appvs for manuf of devices without fuses.W To Bost--Appvs est for spark gaps. 3/11 To Phila-- Disappvs est for spark gaps. 3/11 To Phila--Re transfer switch on swtchbd.3/12 TO Phila 3-23 Phila 3-29 To Phila-- Expedite manuf.4/6

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APPARATUS: RADIO 876

1914

Number.	Date.	From or To—	Subject.	
142028	12-11	NY 855-2129	1/2 kw radio set; specns for; submits. W	
142183	12-11	Dept Atlantic Communication Co;	agreement re releasing all claims to patents if Dept will furnish witnesses etc in defending its patents	896-1
142370	12-12	NY 855-191	5 kw radio sets; fwds print of proposed transfer switch, remote control switch, to be used. W.	
142351	12-16	NY	Estimate for mfg hand keys, wave changers, lightning switches, radio coils, etc. W To--(R)Appvs estimates; submit reqt. 2/13	
142701	12-18	Monarch Elec Sup Co	Asks names of manufacturers of satis radio apparatus. W To-- Gives list of firms. 12/29	
142628	12-18	Norf		
142783	12-21	Rosenfeld, Wm.	Reqt old radio apparatus for use in carrying on experiments. W To--None available. 12/24	
142721	12-22	To Dept.	Manufacture of radio apparatus; reqt appvl of estimate for manuf of. RB 12 24	
142727	12-22	To NY	Apparatus purchased abroad by Naval Attache at London; reqt description of. W NY 2-10	
142853	12-5 12-22	Botiller, F.D. Dept	Reqt investigation of radio device patented by DPC. De Ybarrando. W. To--Not applicable for naval use. 12/31	

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APPARATUS. 1914

Number.	Date.	From or To—	Subject.	
136582	10/10	Dept	CALIFORNIA; reqt Paulsen set be installed; proven satis on WEST VA.	147-5
136780	10-12	To NY	Reqt monthly report be submitted showing material shipped. To-- Delay pending further instruations. 10/22	
136862	10-10	Indian Head	Asks if motor generator for wireless willbe furnished. W Fwd NY-- For information reqt. 10/15 rb 10 20 Fwd Indian Head-- 10/23	
137240	10-17	Radio T&T Co.	Reports change in name to DeForrest T&T Co. W Fwd S&A-- For information. 10/22 To-- Ack receipt 10/22	
137895	10-21 10-24	Hess, Hon. S.D. Dept	Reqt literature be mailed to W.B.Shade. W To-- (Secy's sig) Gives information re securing. 10/27	
137893	10-22	Carroll, Kirwin, Hollway	DeForrest Wireless Telephone Co. and Nat Radio Co. Asks if they have any contracts with Navy Dept. Are selling stock based on this statement. W To--Gives information. 10/28	
138215	10-30	To S&A	Inspection of Wireless Material; will be inspected after delivery; reqtd GSK's be notified. S-W	
139004	11-3	Dept Commerce	Reqt b/p folders showing description and method of operation of sets bought Aug 1912 contracts 12899 and 14747. W Fwd NY-- Reqt for prints. 11/11 rb 11 21	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
139082	11-3	M.Is	Radio material for Pac coast yards; reqt be shipped thru M.Is in order that yard may make repairs if necessary. W To--Will comply. 11/10	
139171	11-7	Norf	Battle radio installation; reqt type plans of connections. W To--Fwds plans. 11/21	
139404	11-10	Sherman, A. R	Reqt all books and printed matter available for distribution. W To-- Refers to Naval Institute. 11/14	
139491	11-10	Norf	Gives list of old type radio material on hand. W	
139670	11-14	To NY	Specns for 1/2 k.w. radio sets; reqt recommendations as to any advisable changes. W	
139808	11-11 11-17	Butterworth, F.S. Dept	Poulsen wireless apparatus; reqt status of Mr. Hepburn in connection with information given by him on use of system in Navy. W. To--Secy's sig--11/20	
140090	11/20	To Fed Tel Co (T)	Asks when proposals five arc sets for ship installation will be ready. Wish to conclude contract in time to get delivery at least one set prior to Feb. 1st. W Fed Co 11/20-- advises. (T)	
140235	11-21	Inidian Head	Reqt Washn yard make aerial. W Fwd Wash-- Authorzed. 11/24 rb 12	

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APPARATUS: RADIO.

1914

Number.	Date.	From or To—	Subject.
132424	8-10 8-14	Gibson, E.J., CE Navgn	Reqt data on arc system radio tel; in connection with Machinist examination.W Fwd Supt.Radio.8/17
132572	8-17 8-18	Lowenstein, F. Dept	Reqt certain officers ans civilians in Bureau testify in writing as to Professional standing in radio art.W
	8-17	Lowenstein via Dept.	Reqs. above statementsifor defense in infringement cases. To BIRMINGHAM.asks if permission was granted Mr.Chadbourne to go on board.8/20. To---gives resume of dealings with Dept.8/20. Fwd Dept.(letter for Secy's sig.)8/20.
BIRMINGHAM replies; no officer gave Mr. Chadborune authority 8-25 Fwd Dept Via Supt RS & Nav. 8/31			
132609	8-18	Marconi Co.	States have a number of quenched spark sets in store ready for immediately delivery.L To---no necessity for emergency purchase. 8/20.
132735	8-19	NY 855-144	Battle radio appliances for stock; estimate for manufacture.W Fwd Dept via S&A-- Rec appvl. 8/24 RB 9 1 app d Retd-- 9/1 rb 10 6
132869	8-21	NY 855-145	Battel radio apparatus; submits prints. W To--8/28
132900	8-20	Fed Tel Co	Offers loan of 1 or 2 kw Poulsen arc sets for experimental purposes. W To-- Would like set sent to Wash for test at Arlington. 8/26
133166	SEE CARD 2 00		
133365	8-26	Cornell University	Reqt data on radio apparatus.W.
134654	9-17	To NY	Bu desires to assemble low frequency radio sets with Garwood or Fessenden receivers on certain Naval Militia vessels. Req comment.

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APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.
134762	9-15 9-18	War Dept Dept	Reqt Director of Post Philippines be furnished with plans, specns, etc for.W To-- Secy's sig) Instructions. 9/21 Fwd Dept via Y&D-- 9/21 FS 9 25 Fwd Dept-- Noted. 9/26
134928	9-16	Alleghany College	Reqt data on.W To-- Not available. 9/22
1e34991	9-19	Lowell & LeClair	Submits report on in pections of East Coast radio stations.W.
135882	9-29 10-1	Smithsonian Institution Dept	Reqt data on be forwarded to Major G. Ribero, Brazilian Govn. W To-- Secy's sig) None available. 10/5
135942	10-3	Kilbourne & Clark Mfg T	Freight shipment of 2 5 kw sets leaves Oct 10 delivery Oct 30.W.
136050	10-5	To NY	Instructions re manufacture of wave changers and other battle radio and experimental equipment. W
135242	10-5 10-6	Brown, Hon. W.G. Dept	J.C.Newham; send data on. W To-- Secy's sig) Not available. 10/9
136052	10-6	To NY,Norf,Bost.	Proposed installation of battle radio equipment:: reqt estimate be prepared before arrival of ships at yards. 10/6

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ARPARATUS: RADIO.

1914

Number.	Date.	From or To—	Subject.
124814	5/12	Supt.Radio. 4729-16	Recommendations relative to location of radio installations on board ship.W Fwd Dept via C&R--recommendations 6/4 rb 8 15 Fwd Dept via C&R satisfactory on WYOMING and NEW YORK: PENNSYLVANIA. 8/18 RB 9 3 app d Fwd C&R-- Comments. 9/4 rb 9 14
125057	5/15	Chas· VOID	ARBUTUS; estimate for repairs to cone
125083	5/16	To Universal Radio Syndicate	Re Comdr. Hepburn's proposed visit to their Newcastle Station.W
125919	5/27	Atlantic Com.Co.	Gives prices quoted to U.S.Naval Attaché Berlin, on radio sets for use in aeroplanes.W To---Bu desires details of various types. 5/29. AT. Com.Co.have reqst Telefunken Co· in Berlin to send prices, photos,etc.W
127676	6/16 6/17	Hon.John J.Mitchell Nav.	Requests printed matter on wireless telegraphy.W To - none for distribution 6-18
128192	6/23	Dubilier Elec.Co·	Writes re their wireless apparatus and experiments.W To---Ack: comments.6/25.
128398	6/15 6/25	Dubilier Elec·Co. Dept.	Apparatus; reports on his; requests adoption for use in aeroplanes.W Fwd Dept.comment.6/27·rb 7 8
128433	5/28	G.H.Clark	Dubilier apparatus; reports on; photographs, prints, etc.W To Dept.fwds copy of report.7/10.

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APPARATUS: RADIO. 876

1914

Number.	Date.	From or To—	Subject.
128633	6-24	M.Is 6511	500 watt Marconi sets: no spare condensers received: reqt/ 24. W Fwd NY.requests M.Is.be advised when shipment has beem made.7/1. rb 7 7
129237	7-7	Ord	Reqt radio set for Naval Proving Ground. W Fwd Supt Radio.comments; request rec.7/9 rb 7 14 BELOW TO -- reqt certain questions answered 7-15 rb 7 29 To N.Y. (R) asks if in store 7-29 NY no rotary converter in store 8-1 Fwd Dept.8/3 RB 8 8 app d NY reqt instrns 8-13
130483	7-20	NY	Radio set loaned to NN for use during trials: submits list of material not yet returned. D Ret---7/22 rb 8 10
130521	7/22	To S&A	Lt.R.T.S.Lowell and Ensign H.P.LeClaire to inspect stations on Atlantic Coast: request shipping instructions for testing and other instruments from point to point.W
130579	7-22	At Com Co Q	Quotes prices on balloon and aeroplane radio sets; W
131037	7-24	Pfund, Rich.	Fwds. clipping re charges preferred against him by Telefunken Co. States left Co. because he refused to be a party to collusion between Co. and Marconi to submit fake bids to Navy - also on account of refusal to be party to custom frauds. W
129237		SEE ABOVE	To Nav.Prov.Ground via Ord.instructions: NY to purchase motor-generator.--To S&A request shipment from NY of radio set.8/8 Fwd NY.directs purchase motor generator.8/8 To NY.only hand control starting device desired for motor-gen.8/15. Indian Head can fit poles any distance 8-24 To Nav Prov Ground--distance of 100 ft sufficient 8/28

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APPARATUS: RADIO.

Number.	Date.	From or To—	Subject.	
123220	4/23	NY R	Request authority to purchase new gap from Marconi Co. for set No.4, contract 19612.W Fwd Dept. reqst appr. 4/24. 3B 4 27 Fwd S&A. reqst tel. instrns be issued to NY for purchase of 5-kw gap. 4/27. 3B 5 2	
123255	4/23	Radio T.& T.Co.	Lists apparatus on hand available for immediate use.W To---Ack. 4/24.	
123305	4/22 4/24	A.M.Hamilton Y&D	Requests certain radio data be sent to Mr. D.D.Hiller.W To Mr.Hamilton. None available. 4/25.	
123218	4/23	To NY	Desires to have radio sets available for issue to a ship in emergency and authorizes work in advance of estimates.W To---directs consider work urgent. 4/24 NY 80 volt set turned in 4-27 To---Reqst copy E.C's letter. 4/28	
	NY 4/25. 80 volt set will be ready for shipment May 4th.W			
123470	4/26	At Flt ~~F~~ T	R eqt radio material for use of fleet	493
123612	4-28	NY T	M.Is reqt immediate shipment of head telephone leyden jars, insulators; recommends open purchase of articles not in stock.W Fwd Dept. reqst purchase. 4/28 RB 4 30 Fwd S&A. reqst instrns be issued to NY. 4/30. RB 5 28 covered by NY reqn 2090-5/1	
123173	4/27 5/1 5/2	To Norf. TO YARDS TO VESSELS	Battle radio installations; fwds schematic plans; invites suggestions for improvement.W To N.Acad. Fwds schematic drawings showing battle radio installation; reqst recommendations re installing equipment at N.Acad. 8/17	
123740	4/28	R.Wallace & Sons MfgCo	Requests list of manufacturers making receiving apparatus.W To---gives information. 4/30.	

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APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.	
123752	4/29	Marconi Co.	States for a 10-kw and a 15-kw set in store; Offers any apparatus instock required for emergency purposes.W To---Ack.4/30.	
123793	4/28 4/30	Marconi Wireless Co. Dept.	Offers to install a rotary gap on the chartered steamer WASHINGTONIAN free of cost.W To---(Secy's sig.)Dept would be pleased to have change made.5/1. Fwd Dept.5/1	
20437	5/4	Radio T & T Co	Reqt authority to purchase jar racks, lightning switches, antennae switches, etc. from Govn to apply on contract	629
124624	5-9	Nav Mil 4332-21 NY 5/14 gives ests.W	Submits list of Naval Militia vessels to be equipped with radio sets in order named.W To NY reqst estimates for sets for WASP, GLOUCESTER and STRANGER. 5/11. To Nav. comments and information.5/12. NY 5/14.summarizes old style set being assembled.W	
124613	5-7 5-8	Wireless Imp. Co. NY	Reqt loan of 1/2 KW set for use at lecture. W Fwd S&A.Bu has no objection.5/11	
124611	5-5 5-8	Gallivan, Hon.J.A. Dept	Reqt specns covering various equipment.W To---(Secy's sig.)fwds spc'ns.5/12.	
124671	5-11	Marconi Co	Are in a position to furnish 1/2 kw panel sets immediately.W To---Ack.5/12.	

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[OVER.]

APPARATUS: RADIO.

1914

Number.	Date.	From or To—	Subject.
118948	3/4	To Samuel Bush	Radio-telegraphy; ack.receipt of letter and plans.W To---returns plans.3/12.
119547	3-9	Fed. Tel Co T	Gives time delivery,etc for 3 30 kw sets for high powered stations.W (T)to---believe no risk involved placing telegraphic order power equipment.3/10.
119584	3-10	Fed Tel Co T	30 kc sets; asks will consider reducing size of heliz by increasing size of antennae. W (T)to---5000 meters high enough upper limit.3/11.
119717	3-11	Pfund, Richard	Submits proposition for supplying complete transmitting set including transformers and motor generators for $2500; no payment to be made if fails to meet requirements W Fwd Dept.rec acceptance of proposal.3/16. ~~RB 3 W Sup~~ To---Bu desires personal interview.3/19. Reqt appt for 24th 3-20
119887	3-13	Fed Tel Co T	Can quote 90 day delivery on 1 30 kw set, 120 of other 2. W (T)to---Bu prefers first del.set with 60-kw motor gen.and spare motor.3/14. ~~RB 3 28~~
120348	3-17	Wireless Imp Co	Reqt copy of report made on their 1/2 kw set by New York Yard. W Fwd NY not desired to furnish copy of test but desires inform Co of requirements sets will have to meet.3/20.
No #	3/21	~~Fwd Dept.~~	NY regn.1510 for insulators. Calls attention to Bureau design better than commercial designs. Requests authority to purchase special material as needed for work of battle radio installations.W&R

N.S.E. Form 134.

APPARATUS: RADIO 876

Number.	Date.	From or To—	Subject.	
120510	3-6 3-10 3-21	NEW YORK TIMES Supt Radio Dept	Reqt data on radio work for publication; Supt.Radio reqt general ruling as to advisability of furnishing this information to newspapers. W. Fwd Dept.comments; suggests future applicants be referred to U.S.Naval Institute. 3/27. RB47 appd. Fwd Supt Radio.4/7.	
121020	3/30	To Guam,Norf.Torp.Sta, Olongapo and Cavite, M.Is.,Chas,Phila.	Annual report, "Description of Radio Installation; request form N.S.E. 25-A. W	
121471	4/1	Nav Mil.Off. 4332-21 RB42 appd	Asks if Bureau is in position to install radio sets on Nav.Militia vessels; lists vessels not provided with.W To NY lists vessels on which desire to install sets. Reqst rec as to practicability of doing work at present time.4/7 To Nav.advising.4/7. Fwd Dept.reqst appr.4/7	
121594	3-31	Kilbourne & Clark Mfg.Co	Reqt authority to furnish Dr. I.H. Rein with photos of radio apparatus being supplied for Navy for insertion in book. W To---comment.4/6.	
121733	4/6	To NY	Purchase of special radio material wit hout advertisement; fwds copy corres pased on NY reqn 1510	756
122807	4-15	Marconi Co	H ave 12-2kw and 5-5kw sets; reqt pruchase. W	
122807	4/18	To Marconi W.T.Co.	Radio sets; ack.receipt of information of stock ready for immediate delivery.W	
3561	4/18	To Brook	Radio material; prel factory inspection desired before shipment. Ascertain why Wireless Spec App Co ignored Bu's request for phce of mfgr	629-1

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[OVER.]

APPARATUS: RADIO?

1914

Number.	Date.	From or To—	Subject.	
117060	2/7	To S&A	Request shipment of 2-kw motor generators and 2-kw transformers from NY yard to Ports for DES MOINES and TACOMA; to Mare Is. for CLEVELAND and DENVER; to Pug.Sd.for CHATTANOOGA; to Olongapo for GALVESTON.W	
117281	2-5	NY	Care and overhaul of radio material turned in by ships; reqt. expenditure of $100 per month be allowed for. W To---appd.2/11.	
117255	2-9	Marconi Co	Reqt opportunity to bid onapparatus for proposed high powered station San Diego. W To---gives information.2/10. Fwd Dept.2/10	
6132	2/9	To S&A	Radio sets; recommendation of award.	706
117617	2/13	To Bost,M.Is,NY,S&A(2)	Request shipment from NY to Boston of 1/2-kw sets for K-1, 2, 5 and 6; to Mare Island for F-1,2,3 and 4, H-1,2 and 3, K-3,4,7 and 8. W To NY.reqst M.Is.be furnished with plans and descriptions of 1/2-kw sets.4/6 To M.Is.advising.4/6.	
117615	2/14	TO SHIPS	Form N.S.E.25-B, "Description of Radio Installation," request forward to Bureau.W To VIRGINIA.via At.Flt.request another copy be forwarded.3/2	
117973	1-27	Wireless Imp Co	1/2kw sets; reports on trial operating at less than 500 cycles; operated sats. 350 and 250; giving a pre-fessenden gap frequency. W	
19832	2/18	To Bost.	Radio sets; two 5 kw under construction at yard; direct Sub. Inspr. G. Hill to inspect	629

N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.	
118078	2-19	Federal Tel Co T	Reqt information re sets desired for Boston, Guantanamo and Isabel. W (T)to---requirements; recommends submit alternative offers for direct and remote control of arc.2/20.	
118146	2/19	Nat. Elec. Sup. Co.	Fwds. copy of correspondence with John Firth refusing to supply hand generators or any other apparatus for commercial purposes; mfg/ only for Govn' Depts.	897
118249	2/21	To NY	5-kw set, contract 232; asks if has been shipped to Phila; if not, expedite.	142-6
118303	2-19	Mechanics Institute	Reqt information re, and requirements for vessels.W To---gives data.2/25.	
118383	2-24	Fed.Tel.Co T	Asks if substitution of single for 3 phase motors for tikkers will be acceptable.W (T)to---satisfactory.2/25.	
118660	2-25	NY 855-46	Standard battle radion equipment; fwds plan.W To---approves issue of plans to other yards.3/4. NY have fwd plans to all yards 3-9 TO YARDS, fwds prints.3/12. To NY fwds copy and print.3/12	
119067	3-4	Dept	Directs Bu expert prepare article for Syndicate Newspapers on wiareless apparatus now in use; also on tests carried out in this and foreign countries. W Memo to---inadvisable to furnish actual data of comparative tests.3/12.	

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APPARATUS: RADIO 1914

Number.	Date.	From or To—	Subject.	
114874	1-13	NY R	At Com Co apparatus; all material has been finally accepted except special transformer under contract 546.W (R)to---Asks if all material due has been delivered.1/13	
115111	1-14	Marconi Co	Quenched gap sets; submits new method of operation.W To---Ack.1/17 Fwd NY for rec.as to acceptance; and results of test.1/17 To NY.&---reqst del.of only one set cont 19882 with this type of relay.1/26 Marconi rect Bu reconsider as Western Co cannot guarantee 1-27	120 Co
115001	10/30	Asiatic Flt.	Reports on radio performance of ships at sea	495
115166	1/16	To Marconi W.T.Co.	Two 5-kw sets (cont.19095) installed on GEORGIA and VERMONT have broken down due to defective spark gaps. Asks if propose to replace defective gaps now in service.W Marconi Co replies 1-20	
115320	1-10	M.Is	Radio material on hand; fwds report.W	
115603	1-21	Federal Tel Co T	Aks who received award for 6 5kw sets. for (T)to---award not yet made.1/22	TBD.W
116226	1/16	At. Flt.	Copy of circular to vessels directing C-in-C be furnished with description of radio apparatus installed, duplicating report sent to Bu.	C 493

N.S.E. Form 134.

APPARATUS: RADIO. 876

Number.	Date.	From or To—	Subject.	
116286	1/29	To NY	On completion test first del.5-kw Wireless Specialty App.Co.,submit report covering operations, workmanship,etc.W NY 1/30 reports status.W	
116355	1-27	Norf	Radio material in store; reports on.W To---Gives list of material under Title "A" and should not have been taken up in NSA.1/31	
116538	1-30	NY	Reports on 5 kw radio set delivered by Wireless Spec. and recommends against placing contracts with company which involves any novel features.W	
116787	1-25 2-3	Roas, Hans S&A	Reqt to be allowed to bid on radio apparatus. S&A recommends be placed on special list. W Ret S&A.Bu does not consider it desirable to place foreign bidders on mailing list.2/5	
117016	2/4	G.H.Clark New Hampshire.	Reports on radio installation, recommends LOWENSTEIN' gap be sent to Wash. Yd for Experimental use.	312--6
117024	1/30	At. Fleet	RHODE ISLAND: calls attention to description of MARCONI installation on, contained in Ships Description of radio installation.	377--6

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APPARATUS: RADIO. 1913

Number.	Date.	From or To—	Subject.	
112145	12/8	TO YARDS RB 116-Eng. Ed.	Requests report be submitted Jan.1,1914, of list of all radio material on hand.W To NY.Asks as to disposition of Crocker-Wheeler motor-generators and transformers contract 546. 1/2	
112361	12/10	TO YARDS & STATIONS	Forwards supply form N.S.E.25-A, "Description of Radio Installation, Shore Stations and Light-Vessels" and form N.S.E.25-B, "Description of Radio Installations for ships only."W	
112707	12-12	Ports	States have received no instructions re battle radio installations.W Ret---Fwds copy of corres.12/22.	
112484	12/16	TO YARDS:STATIONS and FLEETS.	Radio material; surveys of; instructions.W	
112762	12/15	To Insprs, Yds,	Radio material, instructions for inspn.	666
113094	12-17	Jenkins, C.L.	Reqt information re size of aerial, voltage,etc.W To---suggests communicate with mfrs.12/19	
113201	12/14	At. Flt.	Reports on radio information obtained during European cruise.	493
113775	12-26	NY	Reports quantity of radio material on hand.W	

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APPARATUS: RADIO 876

Number.	Date.	From or To—	Subject.
113871	12-27	Phila	Reports on radio material on hand.W To NY., Phila., S&A. instructions for disposition. Reqst. shipment of coils and condensers from Phila. to NY. 1/2
113824	12/30	To NY	Desires as ships visit yard that inspection of radio plants be made.W
		1914	
114097	12-24	Latimer, E.M.	Obsolete radio apparatus; asks where same can be purchased.W Fwd S&A. 1/5
114184	12-20	At Flt	Re location of radio stations on BS below water line behind armor; reqt/ be done at next overhaul period.W Fwd Dept via C&R. appd; rec work be proceeded with immediately. 1/6 RB 117 appd
114318	1-3	Chasn	Radio material on hand; fwds report.W
114306	1/7	To NY	5-kw radio sets, contracts 232 and 231; Directs shipment as received and gives order in which to be made. W To S&A. request shipment of sets for BRIMINGHAM, NY to Phila. 1/7 To S&A. reqst shipment 5-kw set NY to Phila. for BIRMINGHAM. 1/20
114710	1-8	Bost	Inventory of radio material.Y
114857	1-6	NY	Reports issue of material under contract 545 covering motor generators, transformers. W

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APPARATUS. 1913

Number.	Date.	From or To—	Subject.	
109578	11-6	NY T	Reqt. authority to expend $300 additional for developing break key system improved BS installation.W TO -- (R) auth 11-6	
109562	1 ?	Society Francais Radio	Gives change in address after 11-1.W	
109640	11/6	C.E.Curtis	Asks if can secure old detector and price of same.W To---Fwd NY.11/8 RB 1117	
109753	9-13	Boas, Hans	Offers radio apparatus for sale.W To---directs address S&A.11/8	
109771	11-7	Wireless Imp.Co.	Complains of delay in receiving payments thru NPO Washn. W Fwd S&A.11/8	
109780	11-7	At.Com.Co.	Reqt list of Naval Stations eqipped with Telefunken system .W To---Gives list.11/11	
110068 VOID	11-12 11-12	Society Francais Radio Dept VOID	Cage submarine (La Sub. Boat Co.)	
110065	11-12	Society Francais Radio	Reqt. apparatus be supplied to Montreal shipped W	903
110306	11-12	NY 855-63	2 and 5 kw radio sets; recommends that various parts of sets be obtained separate on future orders. W	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
110305	11-12	NY 855-64	Spare parts; recommends future contracts provide for delivery of in hard wood boxes on hinges and a lock; submits list of parts required for 5 kw outfit Marconi type.W To---will be required in next spcfns.	11/15
110188	11/13	To S&A	Reqt shipment of radio experimental appar. to Phila for use of Chf.Electrician Meneratti, to be returned to laboratory.	916
110243	11/7	At. Tor. Flo	Submits recommendations for improvement in present and future boats. TBDS.	496
110449	11/15	To NY	Standard key contacts; Bu desires to specify on future requisitions for radio sets that they be supplied. Request dimensions recommended; also requests prints.W	
5698	11/13	NY	1/2Kw radio sets, additional information on comparative tests.	706
110809	11-18	NY 855-585-7	Apparatus; fwds print.W	
110943	11-20	Federal Tel Co	Arc radio sets from 10 to 60 kw; quotes prices.W	
111953	11-25	Boas, Hasn	Re his radio apparatus.W	

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APPARATUS: 1913

Number.	Date.	From or To—	Subject.
107716	10-13	FLORIDA R	Reports on test of experimental apparatus.W
107833	10/14	To Mare Is,Pug Sd,Norf, Phila,Boston. C&R	Fwds copies of corres.upon which Bu is basing typical plans for radio installations on armored vessels.W
108268	10-18	Marconi Co	5kw and 15kw radio sets; on reqn. 109; reqt. authority to use Weston 7-1/2" meters in order to make smaller and more compact switchboard. W
	Company change dimen switchbd 10-22	To Marconi.inc.in hieght satis.10/23	(T) to---7-1/4" satisfactory.10/20. Fwd NY.with prints; quotes telegram to Co.10/20. RB 10 80
108289	10-7	Soc. Francaise Radio Elec	Fwdsbill for radio apparatus shipped via steamer Oceanic. W
No #	10/18	To S&A.	Bu.reqn.109; radio sets for ships, est.to cost $20,000. Rec of award.
108356	10/21	To Dept via C&R.	Standard radio equipment for ships. First tests of experimental radio installation on FLORIDA has been completed. Bu desires to make further experimental installation with improvements suggested by FLORIDA, and NO.DAKOTA will be available for.W RB 10 80 To NY.instructions.10/30 Fwd ##.C&R.10/30. RB 114 Fwd C&R.11/5 RB 118
108530	10-22	Lowenstein, F.	5 kw radio sets; submitted bid on reqn 109 for set similar to those for WYOMING; W To---Fwd NY. Offer acceptable.10/23 RB 116

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
108635	10-23	At.Com.Co.	Solicits business for high power quenched gap sets particularly for Lake Bluff Sta.W To--- type of apparatus not yet considered. 10/24	
108819	10-26	At.Flt Fwd NY for information.1/9 B 121	Results obtained on FLORIDA test warrants re-locating radio rooms on all BS below water line and raising mast. W Fwd NY.Request rec.as to addtl upper deck station on flagships.10/30. RB 11 28 Fwd Dept via C&R.for decision.12/3 RB 1 8	
108964	10-27	S&A 302-63	Submits report of all GSK showing radio apparatus and material purchased during fiscal year. W To Dept.Fwds papers.10/30.	
108956	10/28	To NY	Radio sets - F.Lowenstein - cont.121. Instructions re tests of transmitting parts.W NY reports status of 11-8	
109092	10-25 10-29	Hudson, W. Dept	Reqt. Bu. investigate his new system of radio.W To W.Hudson.10/31	
19623	10/27	NY	Fwds copy of letter from MARCONI refusing to supply additional protective appliances on this cont. and 19095.	629
5698	10/30	NY	Report test of 1/2 Kw radio sets, fwds photos.	706

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APPARATUS:

1913

Number.	Date.	From or To—	Subject.
105483	9-10	NY 855-705-119	Sets submitted by Wireless Imp.Co. Recommends testing out at full rated power for as long a wave length as can be obtained.W
105730	9-16	To S&A.	Reqs. Yards be asked to report number of purchases of radio material during past fiscal year - giving price, etc. W
105739	9-16	To Dept. (Asst. Sec)	Gives list of radio apparatus purchased during past fiscal year (complete sets and gen. sets only)W
105983	9-18	North American Wireless Corp.	States ate manufacturing high note quenched spark system formerly manufactured by Garwood Mfg.Co.W TO -- 9-19 Fwd S&A 9-19
106864	10/1	To Marconi W.T.CO Atlantic Com.Co. Nat. Elec. Sig.Co. Fritz Lowenstein Wireless Spec.Ap.Co. Wireless Imp.Co.	Reqt ability to supply 5.Kw sets, by Nov.15. Replies 10-2 Marconi replies 10-3 Replies 10-6 Replies 10-4
106926	10/2	To M.I.?N.Y. and S&A	Shipment of 2 - 2K.W. sets, Wireless Imp. Co. N.Y. Reqn. 1742 - to Mare Is. for stock. W
107144	10-4	NY T	Reports on status of deliveries on contracts 19095, 14746 and 133.W To---loan of radio set to NN Co.for prel. trials of TEXAS authorized.10/7 NY R gives app available 10-8 N.Y. addi. data 10/8 (R)to---2d set cont.14746 assigned TEXAS;instructions.10/9

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APPARATUS 876

Number.	Date.	From or To—	Subject.	
107099	10/3	C.O.	NASHVILLE, reqt that vessel and other small ships doing duty in SOUTHERN waters be equipped with powerful radio set.	306--6
107109	10/4	To NY R	Contracts 19095, 14746 and 133: request status of deliveries.W	
No #	10/4	To NY via S&A.	Mare Island survey 24: material received from Cavite via NANSHAN: request shipment to NY. Y	
No #	10/4	To Dept.	Submits Bu.reqn.109 for radio installations on TEXAS, BROOKLYN, COLUMBIA, MINNEAPOLIS, CALIFORNIA and SO.DAKOTA: necessary to complete before Jan.1,1914.W	
107382	10-8	FLORIDA R VOID	Have ordered Clark to inspect Light Vessel 72.W	
107381	10-8	FLORIDA R	Reports on experimental radio installation.W	
107381	10/7	To FLORIDA R	Requests keep Bureau informed progress of results obtained with experimental installation.W (R)to---request more information·10/9 (R)to WYOMING,desire arrange comparison with FLORIDA.10/9 (R)to Norf & Phila·gives schedule of tests between Bu.Standards and Fleet.10/10.	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
102052	7-15 7-22	NY 365-855-27 C&R 27851-E.60	Reports results of experiments for best location of radio rooms, length of aerials, etc. recommends installation on FLORIDA in location recommended.W To NY.relocation of room as rec.is appd.7/23. Ret C&R.7/23.	
101982	7-18	At.Flt Radio offcer	Repo ts on radio situation in New England with recommendations as to equipment of stations for reliable communication with Arlington.W Fwd Dept.comment.8/5	
102469	7-26 7-28	Thew, G.E. Dept	Reqt.Navy send representative to examine his radio outfit. W To---(For Secy's sig)request furnish S.E. with details.7/30.	
102649	7-23	At.Flt	Radio signals; notes on; suggestions for developing skill in sending to deceive enemy as to distance of ship,etc. W	
102595	7/30	To NY	5-kw radio sets, schedule 5440, cont.19095. fwds spcefications for inspection purposes.W To---spcfns forwarded shoud be held as confidential.8/21.	
102574	7/28	NY	5-Kw radio set delvd contract 18623, Marconi Co. reports on inspn of, in some respects superior to other sets.	164--6
103243	6-26	Cavite	In-active radio stock in store; recommends shipment to M.Is. W. Fwd S&A.rec be shipped to M.Is.8/11. Fwd S&A.rec be surveyed.1/3.	RB 12
103766	8-13 8-16	W.Va. University S&A	Reqt. specns covering.W To---cannot furnish prints.8/18. Reqt. additional inform 8-22 To---cannot furnish.8/25	

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APPARATUS. 876

Number.	Date.	From or To—	Subject.
104091	8/21	To S&A	Washn yard - delay in shipment of radio apparatus. Calls attention to fact that Bureau has no method of knowing whether material has been shipped, after requests for shipments have been made, except by investigation.W WB 9-10 ret. S&A requests Wash.Yd inform Bureau when excessive delays in shipments occur 9-10
104094	7/1	Guam	Recommends this and similar outlining stations be furnished with duplicate set of apparatus. 813
104357	8-25	Wireless Spec.App.Co.	2 kw panel transmitting set; reqt. Bu. examine; believe will change award on 5 kw sets.W To---& NY.test authorized.8/26
104401	8/25	To Mare Is.	Fwds spcfns 16R1, copy report SALEM-Arlington tests, pamphlets by Dr.Austin, and print giving data for mfr of standard high-frequency resistances, for information of Radio Officer.W ~~Standards withdrawn request~~ M.Is returns report 11-21
104683	8-30	TO NY	Directs sets of Wireless Imp.Co. be not tested to their injury at wave lengths below 600 W
104843	9/3	To NY (R)	Report immediately status delivery radio sets due Lowenstein and Marconi contracts.W
105004	9-4	NY 850-705-115	Marconi contracts 18623, 19095, Lowenstein 18623 14746 and 121; status of delivery.W
105377	9-9	Atlantic Com.Co.	5 kw.radio alternators and exciters; have not received reqn. W To - reqn. approved Sept. 9 - 9-12

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APPARATUS: 1913

Number.	Date.	From or To—	Subject.
99449	6-12	NY 855-705-67	Specns. for radio sets; suggested amendment for protective devices; based on objections to schedule 5159.W
99487	6-14	Clark, G.H. R	Amended specns forwarded to-day;recommends including in next proposal.W
99686	6-17	NY 855-585-6	Fwds prints,including photographs of radio station NY. W
99704	6-17	Clark, G.H. T	Are preparing details of standard specns; will attend Marconi coupling patent suit; suggests orders for himself and Hill to Sayville.W
100006	6-21	Clark, G.H. R	Considers section 3 of radio specns. covering portables satis: Patent suit will require one week.W
100160	6-23	Pfund, R.	Wireless specns. Asks if both 2 and 5 kw sets shall have range and wave lengths up to 2000 meters.W To---not desired to reduce.6/24·
100431	6-25	Clark, G.H.	Inspecting apparatus various firms with Woodward, and Hill; portable set not received.W

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
100485	6-27	Pfund, R.	Reqt. be kept advised of changes, or contemplated changes in specns, radio sets.W To---Ack.6/28. To---suggests ship hot wire wattmeters to Bu.Standards for test.6/30.	
100983	7-3	Marconi Co	Fwds year book on wireless telegraphy. W	
101018	7-3	At.Flt	Recommends shore stations be fitted with 2 keys to prevent delay when key heats up; also means for shifting from high to low power easily, be fitted all shore stations.W	
101061	7-8	Lowenstein, F.	Gives new address.W	
101227	722	Wireless Imp.Co.	Fwds photographs of their make and break panel sets.W. To---Not desired to test.7/11.	
101359	7/12	To 7 FIRMS	Fwds copy of spcfns attached to reqn.for 35 1/2-kw radio sets; asks if will compete for award.W At.Com.Co. 7-25, R.Pfund.7-25 To R.Pfund.Cannot delay opening bids.7/26	BELOW
101527	7-14	Pfund, R.	Special .5 kw quenched spark gap sets for Submarines; re ability to furnish.W	
101359		SEE ABOVE	To At.Com.Co.schedule will be distributed about 28th.7/26	

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APPARATUS: 1913

Number.	Date.	From or To—	Subject.	
96790	5/9	To 17 SHIPS	Standard radio installation; action withheld on reque t for alterations, pending Dept's decision re standard type.W	
96914	5/9	To Wireless Spe.App.Co.	Two 5-kw radio sets; request date of delivery.W Company 60 to 90 days 5-13	
97136	5-8	Kilbourne & Clark Mfg.Co	Will have 5 kw set ready for delivery July 1st. W. To---Bu desires to test at NY yard.5/13. K&C Co. agrees to bear expense 5-20 To---comment re test.5/26.	
97110	5/9	Reserve Tor.Group	TBDS: reqt that one kw set be installed on tbds of group.	496
97227	5-13	Nat.Elec.Sig.Co.	List of schedules and reqns. fwds; and asks to whom contract awarded. W Fwd S&A- 5/14 Nat.Elec. reqt.reply. 6-5 To---suggests communicate with S&A.6/6.	
97445	5-16	Atlantic Communication Co	T 2 and 5 kw sets; asks if transformer must have solid insulation.W. (T)to---oil insulation satisfactory for early delivery three 5-kw. Solid insulation for others.5/17. To NY. Quotes telegram.5/17. At.Com.Co.5/19 states are complying.W Fwd S&A.rec original proposal of At.Com. Co.Be accepted.5/20.	

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N.S.E. Form 134.

APPARATUS: 876

Number.	Date.	From or To—	Subject.	
98073	5-22	At.Flt	Radio material; comments on Telefunken wave meter, Fessenden motor generators, receivers, protective devices, relay keys, and comments on fact that ship can receive more efficiently in dry dock than those at sea.W. To---comments.5/27. To S&A (2)request shipment of material to E-1 and E-2 and GEORGIA from NY. 5/27.	
98554	5/29	NY	Reqt ruling as to invoicing radio material under title "A"	603
98576	6/2	To NY.	Requests recommendation as to storage at NY yard of radio material of old pattern which is removed for more modern.W	
98931	5-17	Hans Boas	Fwds photos and description of his apparatus; (personal to Rear Adm Edwards). W Fwd Nav Intel.for translation.6/7. RB 6-17	
99111	6-10	NY T	UTAH: test for best location of radio room; in progress; recommends no changes until completion of. W To Dept.Request orders for G.H.Clark to travel to NY.6/10.Fwd C&R.6/10.RB 6-14	
99176	6-10	NY 855- 705-64	Lowenstein contracts 14746,121,523;274; status of deliveries.W	
99420	6-13	NY	Reqt. portable set be expressed to New Yok for use Mr. Clark in connection with revision of specns.W (R)to---To S&A.request shipment radio set, Washn to NY.6/13.	

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APPARATUS.

Number.	Date.	From or To—	Subject.	
94773	4/12	To At Fleet	Bureau desires conference with Fleet Radio Officer and certain other officers to prepare standard plans for ships' radio installation.W At.Flt.4/17.suggests Apr.12th date most convenient.W To Navgn.4/18	
95138	4/15	NY	Forwards prints.W	
95370	4/17 4/19	At.Flt. Dept.	Standard radio equipment for battleships. Forwards detailed recommendations from COs of ships of Fleet.W To Dept via C&R.Supt.Radio.comments 4/29. RB 5-19 To- Atlantic Ft. fwds report 5/1 To-NY same 5/1 R.B. with GENERAL BOARD's comments 6/6 Ret Dept via C&R.6/7.	
14811	4/19	NY	Radio set, states seven sets received and tested and found to conform to requirements of specfs.	629
95694	4/24	Atlantic Communication Co.	Writes relative to protective devices for radio sets, specifications 16-R-1.W Ref.NY for comment.4/26. RB 5-26 To---comment.5/26.	
95836	4/25	John Firth	Simon 10-kw quench spark gap set: asks Bureau to consider purchase of.W	
95934	4/28	To NY.Chas,S&A.	Radio sets, contracts 14746 and 121, F. Lowenstein; requisition submitted for purchase of motor generators and transformers.W	

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
96234	4/30	NY	Forwards prints showing various radio telegraph apparatus.W	
96225	5/1	U.S.Govt Dispatch Agency.	Forwards correspondence relative to the free entry of certain wireless apparatus from England for Arlington.W Fwds S&A recommends 5/3	
82800		SEE CARD # 35.	ALBANY. 3/24. Arlington reqt copies of replies 11-19	
96387	5/2	Marconi W.T.Co.	Fwds clipping from New York Times calling attention to the report of the British Post Office on certain systems.W To-- 5/3	
96599	5/6	Marconi Wireless Co.	Requests test of 1/4-kw equipment; disappointed not receiving award for contract awarded to Nat'l Elec.Sup.Co.W To-- Willing to test portable set 5/7	897
96579	5/6	To N.Y.	Proposed allowance lists of RADIO MATERIAL.W	
96586	5/6	To S&A	Reqt shipment radio apparatus to Beaufort, Chas.- from NY & Wash. W.	

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APPARATUS:

Number.	Date.	From or To—	Subject.	
92055	3-8	NY	Fwds Telefunken plan No.131. W.	
92013	2/27	At.Flt.	Radio installation on fleet, comments on and makes suggestions for improvements	493
92217	3-11	Washn Mch & Mfg Co	Reqt. opportunity to bid on radio and other elec. work.W-LR To---,Fwd S&A.3/12.	
92264	3-11	S&A	Marconi request additional data on Antennae transfer switch and wave meters re covered by specns. 16-R-1.W. To Marconi Co.--Fwd NY, directs furnish Company with details.3/13. RB 3-18	
92913	3-15 3-19	Dodwell Co. Dept	Asks if apparatus delivered by Wireless Spec.Co. has proven satisfactory.W. To Dedwell & Co.is satisfactory.3/20.	
92842	3-14	Pug.Sd Ret Pug.Sd.4/24. RB 5-5 To NY.panels acceptable.5/9.	Material transferred from one ship to another; reqt. instructions for handling. W To---request subject of letter.3/21 Pu .Sd. fwds order 4-20 To---comments; instructions,4/3. S&A fwds original 4-15 Retd. S&A 4/16. RB 4-24	
93239	3-22	NY 936-855	Fwds corres. w th Wireless Imp.Co. re loan of 5 kw Crocker Wheeler motor generator for test in connection with their apparatus.W. Fwd S&A.Reqst NY yard be authorized to loan.3/25. RB 4-16	

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APPARATUS: 876

~~1912~~

Number.	Date.	From or To—	Subject.	
93808	3-26 3-31	Heighway, A.E. C&R	Asks if Bureau is in need of facilities for mfg wireless apparatus.W. To Heighway.4/1.	
94010	4-2	Pfund, Richard	Reports severance with Telefunken Co. due to his refusal to supply old apparatus on contracts and undervalue goods coming thru Customs House.W. To---Ack.4/9.	
94530	4-8	Compton, F.E.	Reqt.information as to latest developments in wireless.W. To---Suggests communicate with mfrs.4/10	
94672	4-7	At.Flt	Submits proposed specns. covering standard radio equipment for BS. W Duplicate thru Dept. Ret Dept 4-15 R.B.with 95370-876.	
94862	4-12	Cutler Hammer Co.	Radio specns. takes exception to caluses which prohibit use of their starting panel.W Request reply.4/24. To---have requested rec from NY 4/26. Fwd N.Y. 4/15 RB 5-9 NY copy of letter to stating starting panel acceptable. 5-14	
14811	4/11	To NY	Radio sets, asks if all seven have been received from GARWOOD ELEC. co.	629
94892	3/31	SALEM	Reports on test with ARLINGTON, expecially as to superiority of arc over spark	841
95047	3-31	NY	Fwds prints. W	

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APPARATUS: 1913

Number.	Date.	From or To—	Subject.	
87675	11-7	Clark, GH	Reports on Wireless Improvement Co. 1-4 kw panel radio set. W. To Wireless Imp.Co·Fwds copy of report·1/16. To Treas.Dept.Fwds copy·1/17. To War Dept. Fwds copy.1/17.	
87751	1-15	NY	Fwds correctly numbered sheets covering oil engines.W.	
87845	1-17	Wireless Imp. Co.	Proposal for supplying motor generator for panel set purchased from Panamian Govn. W. Fwd NY·Directs test of motor generator to obtain information·1/20. RB 1-28	
87959	1-17	Narr.Bay	None on Alida, Morris, ~~Gwuin~~ Gwin, Restless Chicasaw, Blakely, Dupont and reports on VESUVIUS. W	
88189	1-12-11	Lorenz, C.	Quotes price on complete set. W	
No #	1/23	To M.Is.	M.Is.reqn.549; 500 cycle, 110 volt motor-generator radio set, shipped from Washn to M.Is. Directs use of by working party to be sent to North Head.W	
88734	1/27	Norf.	Portable radio sets handled by Hunt & McCree fwds catalog and reqt auth. to purchase a set at $14.80 which would be suitable for use in 50' steamers.	897
89410	2-3	Phila	Reqt. description of radio installation for each ship based at Yard.W. To---Fwds certain.2/5.	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
90238	2-12	NY 855-1	Reports list of apparatus in store and due on contracts, National Elec. Sig.Co., Garwood Elec.Co. Lowenstein, Wireless Spec.Co. and Telefunken Co.W.	
90245	2-13	Marconi Co	Can make quick delivery of apparatus from factory in Alderne, N.J. in case any is required due to Mexican trouble. W TO -- thanks 2-14	
90895	2-17 2-20	Quarterman Elecn J.E.Fellers, NY 855-2	Submits scheme for controling radio from conning tower.W. To NY.Not appd.4/28.	
90846	2/21	To NY	Telefunken print #131; request copy of Contract 13549.W (Motor generator set.)	
91021	2/8	Washn	No yard craft or ships out of commission equipped with radio at yard.W	
91006	2/3	M.Is.	Requests radio apparatus for SCHOOL,	707--2
91224	2/25	NY	Radio app; fwds print.W	
91215	1/30	At. Flt.	Recommendations re radio equipment of cruisers and destroyers.	708

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APPARATUS: 1912

Number.	Date.	From or To—	Subject.
85451	12-10	Dept	Fwds letter from French Engrg.Firm re test of radio directed torpedoes.W. Ret---rec Naval Attache at Paris investigate and report.12/20. BB 4-16 Ret---4/15.
85517	12-18	NY 855-585	Fwds "A" sheets. W
85509	12-6	Telefunken Co	5-kw sets; asks if an market for any similar to those furnished Arlington.W.
85464	12/19	To YARDS.	Requests report be submitted to Bu.Jan. 1,1913, giving complete list of radio material on hand.W
85623	12-14	Citadel, Chasn	Discarded sets; reqt. opportunity to purchase. W. To---disposed of at public sale. To NY directs fwd advertisements from time to time.12/23.
Reqn.41	12-21	Dept 12479-270-43	Approves of placing order with R.G.Bealle Construction Co. Admonishes the Bureau for failure to obey various Circular letters from Department relative to forwarding reqns. with competition waived, placing orders, etc. Also officer for allowing Constructions Company to proceed with work without formal order.K BB 12-30
86246	12-28	NY	Reports on radio material in store.W.

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Number.	Date.	From or To—	Subject.
86311	12-31	Pensacola	Yard Craft; no radio installed. W.
86443	12-31	Nav.Acad	Yard craft; description of. W
86500	1-3	Phila VOID	Reports status of manufacture. Y
86516	12-31	Bost	Radio material in store; reports on. W.
86519	12-30	Phila	Reports material in store. W
86624	12-24	M.Is 11988	Fwds description for ACTIVE: FARRAGUT: FORTUNE: INTREPID: JUSTIN: MARBLEHEAD VIGILENT. W.
86797	1-4	Norf 516	Material in store.W.
87308	1/6	Pug.Sd.	Radio material on hand; fwds report.W
87464	1-12	Clark, G H	Makes report on installation on ARKANSAS, Key West, sites for Pacific Coast Station, high powered station Panama, Beaufort, and recommends new set for PRAIRIE. W

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APPARATUS: 1912

Number.	Date.	From or To—	Subject.	
81961	11-6	Wireless Spec.Co	States receiving set to accompany sed sold by Panama Govn. has been delivered. W. To---11/8.	
81934	10/18	Atlantic Fleet	Reports on successful control while maneuvering by radio and suggests carrying small sets and running battle aerial along armor on both sides of ship for battle use.	493
82063	11-8	CINCINNATI Cable	Reqt. Bureau mail specns covering Key West, & Colon sets, wireless towers, and report on Federal Tel.Co. for use Phil. Govn. W. Thru War Dept.11/8. To---Gives information 11/13.	
82443	11/12	Wireless Imp.Co.	Panel sets for use in submarines; states understands are to be 1/2 kw. W To---confirms understanding.11/14.	
82482	11-12	Wireless Imp.Co.	States have arranged to supply transmitting panel set with 1/2 in lieu of 1/4KW motor generator; reqt. copy of Hill's report.W	
82631	11-7 11-9	Wireless Spec.Co NY	Reports stock of Leyden jars and Pickard adjustable telephones ready for delvery; NY reports on stock on hand. W.	
82851	11-16	NY 585-281	Radio specns; suggestions for changes in.W. To S&A.Fwds revised 16-T-5; requests be printed.12/10. Fwd S&A.returns corrected proof.12/28	

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
82800	11/18	To Stations	Shore stations: Instructions as to preparing report of description, apparatus, etc.etc. to be submitted with Description of Radio Plant".W To SHIPS. reqst report be submitted Dec.31st.11/18 To POTOMAC.reqst addtl copy.12/6	CARD 39
	11/19	To yards and Sta.	Request report, ships out of commission and yard craft.W	
	12/11	To Yards & STA. To Guam,will issue now form.4/7.	Reqst next ret.of form #25 be in duplicate.W NY in few days 12-31 To Newpt.Only one copy received.1/3. TO SHIPS.reqst dupl.1/20.1/27	
83444	11-23	Wireless Imp.Co.	Lists material purchased from Panama Govn ready for shipment.W. To---Request data to identify motor.12/6.	
83631	11-23	NY 855-926	Fwds "A" and "F" sheets. W	
84332	12-2 12-5	State Dept Dept	Apparatus purchased from Panama Govn; no objection to maount due being paid to Consul General Panama at NY. W To Wireless Spe.App.Co.Recn.has been submitted.12/7.	
84719	12-9	Nat.Elec.Sig.Co	Federal Wireless Co. Takes exception to their testimony before the Marconi Agreement Committee of Eng.Parl. in which they claim Navy requested their instruments for Arlington and intended to adopt same for all Govn. work. W. To---12/13.	
85177	12-14	Reiff, W.N.	Reqt. information re spark gaps, cycles,etc. used by Gulf stations.W. To---Gives data.12/17.	
85398	12-16	Clark, G.H. T	Reqt. Federal Radio Co. representative be allowed to take trip on ARKANSAS.W. (T)to ARKANSAS.Specific instructions.12/19. (T)to Key West.Instructions.12/19.	

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Number.	Date.	From or To—	Subject.	
78970	9/27	Telefunken W. T. Co.	Gives list and dates onwhich they expect to deliver apparatus.W	
78970	9/27	To Telefunken Co T	Asks date of delivery at NY. of 2 5Kw sets. Fwd NY. expedite inspn 9/30 RB10-5	
79135	9-21	Telefunken Co	Fwds literature on their apparatus. W. To--ack 9/30	
79401	9/26	Colon	Submits estimate and prints in connection with erecting apparatus purchased from Panama at East Balboa.	808
79636	10-5	NY	Fwds sheet "A". W	
79628	10/7	To Asiatic	Reqt list of vessels giving power, type, name of mfr of radio set installed with recommendations for increasing efficiency.	495
80186	10/14	To Colon	Bu. has made reqn covering apparatus purchased from Panama Government, material to be held at Colon.	
80223	10-7	M.Is	Federal Telegraph Co. test of Paulsen apparatus at Arlington; reqt. to be advised of dates so M.Is. Sta can listen in. W. To---Will advise later.10/15.	
80802	10-21	Federal Tel.Co	Will arrive Washn Nov.1st with set for test at Arlington. W	

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APPARATUS: 876

Number.	Date.	From or To—	Subject.
81044	10-24	NY 585-272	Submits proposed specns for 2 and 5 kw sets. W.
81202	10-26	Nat.Elec.Sig.Co	Hetriodyne radio system; Guy Hill witnessed operation; and reqt. to be furnished with his report when received.W. To---Will be furnished.10/29. Co. guarantee not to make report pub.10-31 To--& NY.Fwds copy of report.11/6
81273	10-1	C&C Elec.& Mfg.Co	Reports taking over business of Garwood Elec.Co. W. To---Ack.10/29.
81394	10-26	NY 485-275	Specns. 16-T-5 for sets; submits recommendations for changes in. W.
81551	11-1	Hill, Guy	Reports on National Elec.Co. Heterodyna sys. W
81661	11-2	Wireless Spec. Co	General letter (Personzl) re new type 1-p-76 minature type, canal zone set, Lyden jars, micrometers, adjusting detector.W. To---comments.11/5.
81676	10-3 10-25	Federal Tel.Co. M.Is.	Reqt. authority to install Paulsen apparatus at San Diego for test purposes; W To M.Is.Co may be allowed to install one receiving set.11/5.
81646	10-26	Colon	Reports receipt of one 1-p-76 receiving set from Panama Govn. W.
81654	10-25	M.Is 1194	Reqt. print of 25 h.p. engines, and 10 and 5 kw sets for Alaskan Radio Exp. W. TO NY asks be forwarded. 11-4 NY fwds copy of order sending prints to M.Is.12-16

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APPARATUS. 1912

Number.	Date.	From or To—	Subject.
77022	8/29	NY	Radio telegraph apparatus; fwds prints and photographs.W
77374	9/5	To S&A	Bidders, C & C Elec.Mfr Co. to be substituted for Garwood Elec. Co.
77451	9/5	Wireless Imp.Co.	Requests vouchers covering payment for wireless apparatus purchased from Panama Govt be held up until authority to make payment to Company direct is received.W TO -- payment held up. 9-6
77546	9-7	Wireless Imp.Co.	Apparatus purchased from Panama; fwds letter from Pananian Minister reqting he act as intermediary for payment. W. Fwd Nav Intel for translation.9-9 TO -- payment to Panaman Consul. 9-18
77960	9-12	Wireless Imp.Co.	2 kw, 500 cycle, quenched gap set; ready for shipment and reqt. inspector examination before shipping.W To-NY. directs 'Hill' inspect 9/13
77964	9-9	NY 855-70 (Also see cont.123)	Submits recommendations for protective appliances while using resistance rod to radio set; fwds plan.W. To-Telefunken Co. 9/16 To--NY Willing to accept Telefunken protection appliance at reduction, also reqt detailed information on appliances 9/16
78071	9-14	Telefunken Co	John Engar no longer employed by company. W
78183	9-14	NY 585-262	Radio specns. 16-P-5; recommends revision of as none of the sets purchased have complied with all sections. W. TO NY NY Yd. to prepare.revised.9-17

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APPARATUS 876

Number.	Date.	From or To—	Subject.	
78200	9/17	NY	ARKANSAS: set assigned from LOWENSTEIN still unsatisfactory.	121--6
123	9/17	Telefunken Co.	Will supply regular carbon rod appliances at reduction of $40. per set	629
78392	9-17	Telefunken Co	Fwds booklet on their installations. W To--Ack. 9/19	
78405	9-16 9-18	State Dept Dept 12479-207-14	Fwds corres. from Panaman Minister re payment for sets purchased from Panama Govn. W Fwd S&A 9-20	
78807	9-20	NY 8557705-672	Reports inspection of 2 kw panel set submitted by Wireless Imp.Co. W. To Wireless Imp.Co. Bu returns description. 10/10. To Wireless Imp.Co. Fwds copy of report. 11/15.	
78754	9-12	Colon To Colon directs fwd bill to Bu. 10/5	States receiving set wasnot delivered with apparatus purchased from Panaman Govn. W. To--Wireless Spec.Co. re-whereabouts of set 9/25 Company state receiving set now in store Panama. 10-3 ToWireless Sp.Ap.Co.10/5	
78981	9/27	Telefunken Co. T	Will make partial delivery Oct. 3rd, balance October 12th; delay due to changes required to bring up to make best ever delivered.W.	
79013	9/27	Wireless Specialty Receiving Co.	1-P-76 receiving set sold to Panama Govt. states inspector of telegraphs, Panama Govt. will be in New York the 28th and will ascertain why complete apparatus was not delivered.W	
78894	9/25	To Beach Thompson	ARLINGTON, grants permission to make experiment test of his apparatus. W To--test granted and gives instruction 9/26 Asks when towers will be completed.10-5 To C.F.Elwell, Fed.Tel--Towers completed 10/1	

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APPARATUS.

Number.	Date.	From or To—	Subject.	
75844	8/15	Telefunken Co.	Reports failure of Bureau to return circuit breakers and power factor meters under contract 12899, 1910, for which $451 was deducted from contract price.W To---Reqst quote price.8/16. Fwd NY. request present whereabouts.8/16. RB 8-27	
75817	8/15	To Marconi Wireless Co.	Reqn 69, fwds specfs.	876
76033	8/16	NY 855-926-17	Fwds A sheets covering Marconi's apparatus and distance control oil engine.W	
76055	8/16	NY 855-926-	Radio telegraph photographs; fwds for Bureau's binders.W	
76128	8/19	Wireless Improvement Co.	1/4-kw radio set. Will ship within ten days, and quotes price.W	
76156	8/20	Hill T	PATAPSCO: recommends shipment of 5 Kw Mass. Wireless Co's set to Norf. for installation during time that Inspr. Clark is at Yd.	334-6
76339	8/8	Colon Makes report	on the radio set offered by the Govt of Panama for sale. Recommends purchase and erection near Balboa.W To--Bu. has prepared reqn to cover & reqt est. of cost to install,etc. 8/29	
76211	8/10	Pac. Flt	Pacific Flt. recommends vessels of Fleet be fitted with more powerful radio apparatus	494

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APPARATUS. 876 1912

Number.	Date.	From or To—	Subject.	
76423	8/19	CO	MISSISSIPPI: Requests authority to turn in parts of old Stone wireless set.	291-6
76519	8/27	Clapp-Eastham Co.	Quotes price on seven 1-kw. radio sets. W	
76692	8/22 8/24	College of the City of NY NY 930-749	Requests to be furnished with photographs and prints of Poulsen set recently purchased by College. W ret-appd. 8/27	
76773	8/23	B.M.Whitlock	Calls attention to the superiority of the radio apparatus manufactured by the Garwood Elec.Co. Also states will be in position to furnish solid petroleum and coal briquetts in short time. W-F	
76829	8/28	To Telefunken	2-5 K.W. sets - asks if competion price will hold for purchase without comp. W	
76875	8/29	Telefunken W.T.Co. T	Will accept order for two or more 5-kw sets on same terms of delivery as quoted in formal proposal. W	
77061	8/29	Wireless ImprovementCo	Set purchased from Panama Govt. Requests payment for transmitting panel be made to Wireless Co. direct, as Panama Govt has not yet paid for same. W To---re procedure. 9/3.	
77053	8/29 9/5	Wireless Spe.App.Co. do.	Requests payment be made to Company for set recently purchased by Panama Govt. W To Colon. Asks if has been del. to Panama Govt. 9/3. To---advises of action taken. 9/3. Rec. and sending set was shipped 24th of Apr. and should have been included in apparatus sold navy. W	

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APPARATUS. 1912

Number.	Date.	From or To—	Subject.	
74557	7/25	Chas. GSK	Fwds blanks to be signed by G.H.Clark covering boxes of electrical instruments shipped from Jupiter to Charleston yard.W To---Returns certificates.1/11.	
74144	7/29	TO VESSELS	New form, "Description of Radio Plant" will be furnished, to be filled out and returned.W To Washn.directs supply copies to list of vessels attached.7/31.	
74980	8/3	Clapp-Eastham Co.	Quotes price on experimental set.W (T)to---Reqst ship to Washn of parts.8/7. To---Reqn will be submitted for.8/7.	
	8/8	do.	Corrects quotation.W TO- Reqn will be prepared 8/10	
74983	8/3	Nat.El.Sig.Co.	5-kw quench spark sets; will take four months to deliver. Can supply 2-kw in 30 or 40 days.W To-A reqn for 2 5Kw sets has been prepared 8/5	
75042	8/5	Wireless Improvement co.	1/4 KW generator radio set; fwds report of test on merchant steamer "ALMIRANTE" together with photographs. W To--Ack.8/7. To--Desires test at Wash.Yd and reqt price 8/14	
74727	8/2	TO STATIONS.	Quarterly inspection of radio stations; when forwarded to Bureau, directs be accompanied by statement as to what action has been taken in the more important deficiencies.W BLRB 8-12	
75168	8/2	NY 855-705-661	Fwds report of test of wireless app. delivered by Marconi, Telefunken, Garwood, Wireless Improvement Co., and Lowenstein, and makes recommendations for requirements for apparatus on future contracts. w	

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APPARATUS. 876

Number.	Date.	From or To—	Subject.	
74728	8/3	TO SHIPS & FLEETS.	Semi-annual report of radio installation; Form NSE 25 not received for period ending June 30th. W MARS 8/6. KEARSARGE 8/6. No radio plant installed. Ret MARS, Reqst furnish when next placed in service. 8/8. To Pac. Res. Flt. Reqst form N. Eq. 123, or NSE 25; also other information. 8/26. To--Pug. Sd. re Chas. semi-annual report	9/11
75448	8/8	Marconi W.T.Co.	States have submitted proposals for two 5-kw sets July 29th. Requests consideration. W To-should comply to specfs 16-T-5 8/10	
75594	8/10	NY 2290	Reports on wireless sets in store; reports that assignments under contract 14811 have all been supplied with sets from other sources with exception of sets for JUPITER. W To---Directs 2 be assigned to HENLEY and JARVIS; directs set in store be shipped to Phila. for JARVIS. 8/13	
75676	8/12	NY 855-926-16	Radio telegraph A sheets; fwds. W	

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APPARATUS: 1912

Number.	Date.	From or To—	Subject.
73064	7-9	Clapp Eastham Co	Gives information regarding 1 kw sets. W
73150	7-9	Telefunken Co	5 kw set; gives range transmitters and submits list of apparatus comprising set.W.
73198	7-10	NY 855-705-	Replies to complains of giving information against Wireless Spec. quenched gap sets.W
73305	7-10 7-12	State Dept Dept 12479-407	Have instructed Minister Panama purchase radio apparatus now in use National Theatre for Navy. W To-Colon Purchase of set from Panama.7/17 Ret-Dept 7/17
73342	7/2 7/9	Francis R.Wheeler Commerce & Labor	Data on wireless telegraph systems for publishing in "Fact Book." W TO -- gives information. 7-16
73501	7/13	NY 855-926	Radio telegraph A sheets; fwds.W
73859	7/18	Clapp Eastham Co· T	Quotes price on set, including repairs.L To Wash. Radio set to be returned to Contrs. for repairs, 7/20 To-S&A reqt shipment 7/20
73823	7/18	Clapp Eastham Co·	Confirms price for experimental set now at Washnington yard.W To-Instrument to be returned for repairs, 7/22 From Co.7/25.Quotes price to include gen.W To---Will prepare reqn for.7/31.
74120	7/22	NY 926-337	Radio sets; plans and data sheets; fwds.W

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
73716	7-18	TO Clapp Eastham Co T	Bu desires to purchase set; quote price. W	
74278	7/24	NY 855-926-14	Radio outfits; fwds sheets showing requisitions and distribution.W	
74293	7/24	NY 855-926-15	Radio telegraph apparatus; fwds blueprints and photos.W	
74069	7/23	To M.Is.	CLEVELAND & DENVER, directs old radio set which are being replaced, be not turned into store except by specific directions of Bu.	162--6
74067	7/23	To NY	NEW HAMPSHIRE, do	312--6
74068	7/23	To Pug. Sd	RALEIGH, PENNA, WEST VIR. Galveston & Chattanooga, (same as above) To Pug.Sd.directs transfer of W.VA's.	368-6 12/10.
74070	7/23	To Phila	Disposition of old sets.	
74406	7/26	Wireless Spe.App.Co.	Are in position to deliver# 10 to 15 1-P-76 sets within two weeks; quotes price.W	
74402	7/26	Wireless Improvement Co.	1/4 kw set; explains make-up of and quotes price.W To---desires further report.8/2.	
74253	7/25	To Nat. El.Sig.Co. Marconi W.T.Co.	Two 5-kw high-frequency quenched gap spark radio sets, complete; request price and time for delivery.W Marconi Co.7/26. Will submit estimates later.W Marconi Co. 7/29. Quotes prices and gives two alternative propositions.W To Marconi Co.Valve tuner not satisfactory; Asks type of receivers can furnish 7/27.	

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APPARATUS: 1912

Number.	Date.	From or To—	Subject.	
71228	6-13	Lamson Con.Store Serv.Co	On ships; suggests use of pneumatic tube for transmitting messages to Captain. W To---Solicits information re.6/15. Fwds catalog. 6-18 To---Ack.6/20.	
71393	6-12	International W.Sig.Co	Fwds prints and description of wireless apparatus for transmitting musical notes. W To---Prints lack explanatory detail.6/18.	
71425	6-18	Schroeder, Rear Adm	Reqt. list of wireless systems, terms, etc. for use in revising general signal book. W	
71403	6-17	Cramps 426-201	Insulators; bushings,etc. Reqt. price.W Fwd NY for compliance.6/18 RB 6-20	
71438	6-13 6-15	General Board Dept 12479-535	Reqt. matter of increasing radius of radio-capacity of various auxiliaries be taken up. W Fwd.C&R.information will be obtained as rapidly aspossible.6/19. RBT 15 Fwd To Genl Board gives information.7-25	
71344	6-13	Exp.Sta 259 File 187	Reports on test in connection with developing apparatus for use on aeroplanes. W	
71625	6-18	NY 855-926-10	Fwds prints and photos.W	
71855	6-18 6-22	University Mich. Dept	Reqt. abandoned Stone set. W	
71888	6/20	Norf.	ALLOWANCE: Asks whether radio sets are under title "A" or "B".	603

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APPARATUS: 876

Number.	Date.	From or To—	Subject.	
72014	6-22	Rave, E.M.	Has patented apparatus sending out waves at regular intervals. W To---ack.6/26.	
72075	6-25	International W.Sig.Co	Fwds phtors of their system musical notes; also are manufacturers of condensers and ~~air~~ spark gaps. W To---Unable to test.6/27.	
72213	6-26	NY	Fwds table showing delivery, location and issue of wireless apparatus for delivery at NY. under various con racts.W	
72338	6-27	Wireless Spec.A p.Co	Makes objection to unofficial reports from Navy officers that their quenched gap sets are not up to standard. W To---Ack with comment.6/29. To NY. instructions.6/29.	
72391	6/29	To Clapp-Eastham Co.	1-kw radio sets with turbo alternators for power supply; if can supply, requests price.W	
72488	6-28	Marine Radio Equipt.Co	Reqt. opportunity to supply high frequency equipment for new stations.W To---Fwds spcfns 16-1-5. 7/3.	
72649	7-2	NY 855-926	Fwds sheets "A". W	
72736	7-2 7-3	College,City of New York Dept	Reqt. gift of Paulsen set from NY. W To---(For Secy's sig)No authority for.7/9.	
72895	7-2	Pug.Sd	Reqt. complete set plans & vandykes. W To NY.,---. requests NY supply.7/9.	

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APPARATUS: 1912

Number.	Date.	From or To—	Subject.	
69436	5-14	Wireless Spec.Ap.Co	Relative to test of Pickard latest spark gap set; will have 5 kw set ready for test June 15th. W	
69435	5-16	Wireless Imp.Co	Reports on test of 10 kw quenched spark with resonance transformer.W	
69416	5-19	C&L	Marconi wireless; reports stock exchange failures etc.W	
69743	5-25	Telefunken Co	Have 3 5kw sets in stock and quotes price of $5,000. each.W Ref. to 3kw sets error, 5-28 To---reqst more information with view to purchase.7/2.	
69821	5-27	Marconi W.T.Co	Asks if Bureau requires any of their commercial sets for emergency orders; for fleet going to Cuba.W To---Ack.5/28.	
69743	5-28 See above.	Telefunken Co	Reference to 3 kw evidently error. To---Ack.5/27.	
69956	5/29	To NY yard	Various contracts and reqns; requests information of delivery, inspection and present location of radio apparatus.W	
69968	5/29	To NY	Twenty 2-KW turbo-gen.radio sets, purchased from Nat.El.Sig.Co. under contract 12874; requests information as to disposition.W	

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APPARATUS: 876 1912

Number.	Date.	From or To—	Subject.
70192	5-4 5-31	Panzer, H.R. NY 936-855-62	Reqt. certain material for use in testing apparatus; NY reqt. certified check be deposited to cover.W Ret NY.disappr issue of material; comments.6/4.
70326	6-1	NY 936-855-63	Status of test of Panzer's apparatus.W
70064	6/3	TO YARDS & STATIONS.	Request information as to radio apparatus, including oil engines, held in store on June 1st; all changes occurring during June should be reported on July 1st.W
BELOW		BELOW	Nav.Acad.6-7 none. Pensacola.6-6 Newport Torp. 6-7 New Orleans.5-4 Ports 6-8 Key West 6-8 Norf.6-7
70413	6/4	NY GSK	Gives disposition of International Elec. Sig.Co's 2-kw.sets on contract 12874.W
70514	6-6	Grace? W.R.Co	Asks what wireless system is considered best; on behalf of Venezueland Government. W To---States from whom purchases are made. 6/10. Reqt. additional copies.6-14 To---Fwds specfns and list of installatns.6/17
70624	6-7	College Institute of NY	Asks any possibility purchase Paulson set in store at NY. W To---Fwd NY for comment and rec.6/8. R B 6-18 Fwd Dept.rec purchase.6/19. R B 6-20 Appd To---directs communicate with S&A re bidding on.6/29. Fwd S&A.6/29.
70064		ABOVE	Chasn. 6-10 Pug.Sd.6-7 Phila 6-12 NY, 6-12 Boston 6-14 To Norf.Directs De Forest radio telephone set be retained in store.6/12. Guantanamo 6-19 Phula 6-29 M.Is.6-24 Colon 7 Porto Bello 6-22 Chasn 7-1 7-5 NY amends. Hawaii 6-21 Bost 7-8 Pug.Sd.7/9. TO Clapp Eastham Co. Will for.copy of test Mater.7-13 Cavite 7/18. Olongapo 7/18. NY 9-9 Guam 8-6

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APPARATUS: GENERAL

Number.	Date.	From or To—	Subject.	
67325	4-3 4-26	CO At.Flt	Fwds suggestions covering improvements in wireless installations.W.	465-6
68246	5/8	To NY	Bu regn.189: requests copy of description and directions issued with radio sets purchased from Telefunken W.T.Co. W	
68538	5/10	Telefunken Co.	Requests further information before quoting on 5-kw set.W To---Instructions.5/13.	
68425	5/9	M.Is.	RALEIGH: states has one Telefunken set in store for. Asks if shall be shipped to Pug. Sd. or held for Denver or Cleveland.	368--6
68343	5/2	NY Elec. School	Reqt loan of 2 telefunken radio sets for instruction purpose.	707--3
68571	5-9	Gresham, E.T.	Asks what system gives best results in Navy.W To---Bu has no data to issue.5/14.	
15232	5/8	S&A	CONT: fwds telegram from M.Is. re provisional acceptance of 2-Kw sets. States cannot be inspected prior to sailing of Nero.	629
68653	5-13	Lenike T	Reqt. interview morning May 14th for Prof. Goldschmidt,Berlin. W	
68678	5-11	NY	Reports receipt of 2 2kw and 2 1 kw Marconi sets. W	

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APPARATUS: GENERAL:876

Number.	Date.	From or To—	Subject.	
68758	5-14	Pug.Sd T	Reports wireless apparatus on hand.W (T)to---Directs del.motor gen.etc.to Capt.Dunwoody.5/15.	
68803	5-13	NY 855-926-9	Fwds description of wireless apparatus furnished by National Elec.Sig.Co. for FLORIDA and UTAH: ETC. W	
68840	5-14	Edwards, Reqr Adm. T	Mr. Bottomly, Marconi Co. reqt interview Phila or New York; will try arrange Phila.W	
69062	5-13	Stalnaker,E.	Has device for calling operator to his post in time of disaster.W To---solicits prints and description.5/20.	
69113	5-17	Edwards, Admiral T	Reqt. Telefunken, Massie, National, be invited to Tuesday conference. W (T)to National, Massie, and Telefunken Cos advising.5/18.	
68954	5/15	Phila	TBDS: have j.o. open covering installation wireless sets, asks if vessels will visit yard in near future or shall J.O. be cancelled	496
68257	5-20	Wireless Spec.App.Co	Reqt. authority to submit new quenched gap set to New York or Washn for test.W To---Willing to test at NY. 5/21.	
69400	5-21	Panzer, H.R.	Fwds description of his apparatus for secret transmission of messages. W O -- Will await report from NY Yd.5-23 TO NY desires report.5-23	

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APPARATUS: GENERAL.

Number.	Date.	From or To—	Subject.	
66430	4/16	To Telefunken W.T.Co.	Request price for one 5-kw quenched gap and one set variometers for 5-kw radio set.W	
66749	4-17	NY	Fwds prints. W	
66781	4-20	Dept	Directs wireless sets for GALVESTON: CELVELAND: DENVER: CHATTANOOGA be expedited.W To NY.directs expedite delivery.4/20.	
67042	4-23	Telefunken	Quotes price for 5 kw quenched spark wireless set and time of delivery. W	
66979	4/23	To Wash	Inspn. call 2986, Reqn 228 NSA, reqt articles be held in store. W RB 5-8 Ret---via S&A.5/18.	
67177	4/24	Radio Laboratory, Bu of Standards.	Design of revolving brake submitted by H.J.Meneratti.W To Washn.Reqst estimates for constrn.4/26.	
67242	4/24	Marconi Co.	2-kw quenched spark set supplied on Bu's reqn. Protests against comparing this with other apparatus furnished under spcfns 16-T-5, on account of urgent need of order.W	
67345	4/25	Telefunken Co.	Fwds two photographs of their 2-kw set with paper condenser.W To---Ack.receipt.4/29.	

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APPARATUS. 876

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Number.	Date.	From or To—	Subject.	
67522	4/25	C&L	Report of Wireless Ship Inspector New York on steamers Hamburg-American Line, Makes suggestions for 2 generators, 3 operators, additional receiving set on merchant ships due to large part of time sending on long wave in order to get press reports, this is reason TITANIC help call not received by certain vessels.	891
67659	4-30	NY	Reports disposition of sets under contracts, 14747, 14344, 13525, 12874. W To---sets for GALVESTON, CHATTANOOGA, CLEVELAND and DENVER should be shipped by May.6th.5/3.	
67871	5-1	Milwaukee W.T.Co	Reqt. Bureau test their wireless apparatus from time to time; have new type of buzzer for fleet work ready.W To---Will test if fwd to Bu.Standards.5/6.	
67991	5-3	Wash'n	Submits estimate for manufacturing revolving brake or interrupter. W To---Directs mfr of.5/7.	
67956	5-3	Alvin W.T.Co	Reqt. opportunity to bid on wireless goods for Submarines.W To---Fwd S&A.Rec be placed on list of bidders.5/14.	
67895	5/4	To NY.	Radio apparatus designed by HUGO R.PANZER; directs that Electrical Officer at yard confer with Panzer re test of his app.W Rep. W.M.Calder 5-10 reqt. test of To W.M.Calder(For Secy Sig)5/17.	
68360	5-30	M.Is 4319	Wireless sets for aeroplanes; fwds recom of board with print.W	
15391	5/3	To NY	CONT. oil engines and radio apparatus under NSA regns Bu. 2 & 3, fwds contract, with Fairbanks Morse Co. and Telefunken Co	629

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APPARATUS: GENERAL. 1912

Number.	Date.	From or To—	Subject.	
✓ 64493	3/25	To Wireless Improvement Co.	Quenched gap units#: request quotation on eight spare.W	
✓ 64494	3/25	To Telefunken W.T.Co.T	One kw.set complete: request estimate least weight.W	
✓ 64308	3/22	Marconi Co.	Mails additional valve: complains sets are being compared with much higher priced ones.W To---Ack.receipt of.3/26.	
63516		SEE CARD #24	To Wireless Imp.Co.Comments on report from NY. 3/27.	
64844	3/28	NY	NEPTUNE: reports receipt of 2 Kw Telefunken set purchased on cont 256. States will be prepared for shipment, and reqts that Garwood set on reqn 206 for, be cancelled	309--6
✓ 65022	3-29	NY 855-905	Reports on test radio sets in connection schedule 4250. W	
✓ 64915	3/29	To NY	Request state of deliveries of radio sets under Bu.reqn.#2; also what shipments have been made.W	
✓ 65201	3-30	Wireless Spec.AppCo	Compalins of lax method of inspection and payment of bills by Ny.Yd. W Fwd S&A.4/4.	
✓ 65363	4-2	NY 855-926-4	Fwds prints.W	

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APPARATUS:GENERAL: 876

Number.	Date.	From or To—	Subject.	
65817	4-8	Henry, Ira W	Garwood Elec.Co. Claims share of wireless Business based on result recent test NY Yd.W To Garwood El.Co.will be given consideration under sched.4250. 4/9.	
65842	4-6	NY 855-926-5	Fwds prints miscellaneous. W	
65834	4-8	NY	Reports receipt and preparation for shipment of sets on contract 14344 to CONNECTICUT:SALEM: NEW JERSEY: MISSOURI: MAINE.W To---Directs be held in store.4/11.	
65877	4/9	To Brook.	Request tracings of New York prints 28515-H, 28516-H, 28520-P, 28521-AA.W	
66275	4-11	Marconi W.T.Co	Fwds newspaper article on experiments with aeroplanes near London.W TO---Ack.4/18.	
65555	4/12	To Asiatic Flt & S&A.	Radio sets; request shipment of six 2-kw sets New York yard to Olongapo.	604
66379	4-15	NY	Reports shipment 2 10 kw sets on reqn.2 to M.Is. 2 5 Kw sets delivered and ready for inspection. W	
66547	4-16	NY 855-705-619	Asks if test 2 kw Marconi apparatus was satisfactory; acceptance awaiting report.W To---Test proved satisfactory.5/1.	

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APPARATUS: GENERAL:

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Number.	Date.	From or To—	Subject.	
62571	3-1	Marconi W.T.Co	Fwds prints of Cabinet set.W. To---Fwd NY for consideration under schedule 4250. 3/4. R.B.S-8	
62628	3-4	Henry, Ira W	Apparatus supplied by Garwood Elec.Co. has not yet been tested; reqt. particular consideration of bids of this Company on account of being an American Company and every part of its apparatus manufactured here.W To---NY. New York directed to test, cont.14811.#3/9	
62635	2-28	Tate, N.M.	Reqt. diagram connections for 5 kw Telefunken set.W To---cannot furnish.3/5.	
62660	3-4	Nat.Elec.Sig.Co	States can supply any size wireless set; also telephones operating 12 miles. W To---When any purchase is made,will be given opportunity to bid.3/16.	
63421	3-11	NY 855-60	Inspection of at Yard; takes exeeption to Clark's report and reqt. that he be censured for derogatory statements which are not based on fact or investigation.W	
62628	3/9	To NY	Cont 14811 & 876, set delivered by GARWOOD Elec.Co. directs be tested when practicalbe 629	
63516	3-13	Wireless Imp.Co	Reqt. return of wireless set, panel, under test at NY Yd, Complains that former employee was allowed to examine and make sketch of.W To---Letter has been fwd to NY/3/15. Fwd NY.for information 3/16. R.B.S-26	CARD #25
63634	3-12	NY 936-855-52	Reports on test wireless sets; Garwood, Wireless Improvement, Telefunken, Marconi.W suggests scope of.W To---instructions for taking measurements of intensity of signals.3/16.	

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APPARATUS: GENERAL: 876

Number.	Date.	From or To—	Subject.	
63811	3-16	Telefunken Co.	Connections for 5 kw sets; Neat reqt. diagram; reqt. instructions re sending.W To - Reqt. thru Dept.3-19	
63851	3-18	NY T	Test of Telefunken wireless at #. 3.00 and 3.15. W	
63882	3-16	NY	Reports shipment of 2 kw set to Washn contract 251. no spare detectors delivered.W To Marconi W.T.Co.Cont.251. Asks when remaining detector will be delivered.3/20 To---Marconi Co.will supply 12 spare.3/26. To Washn.Fwds extra detector.3/26.	
64283	3/21	NY	SALEM: fwds result of test of 5-kw quenched spark set, N.E.S.Co	384--6
64473	3-23	NY 855-705-657	Fwds reports on wireless sets delivered on reqns. 88, 889 and 26 by Telefunken and National Elec.Signalling Co.W	
64435	3-22	NY	Reports on test of Marconi 2kw set.W	
64492	3-23	NY	Wireless set received 27th will submit report soon; on reqns. 88,89 and 26.W	
64513	3-25	Telefunken Co. T	Gives weight of 1 kw set including parts.W To---Ack.3/26.	
64647	3-26	Wireless Imp.Co	Quenched spark gap set; quotes price spare parts.W To---Reqn submitted for eight extra units.3/28.	
59936	3/12	NY 855-705-593	sched. recommendation of award and changes inspecifications	706

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APPARATUS: GENERAL: 1912

Number.	Date.	From or To—	Subject.
60386	2-26	NY 926-241	Fwds print showing remote control panel for furnished by Garwood Elec.Co. W To---Amendment of contract was recommended to S&A Feb.1st. 2/7.
60597	2/7	To Washn.	Fessenden compressed air condenser: Directs be delivered to Bureau of Standards, for purpose of experiments.W
61055	2-1	Goldhorn, Dr. L.P.	Reqt. Navy representative visit his house at Mt.Vernon, N.Y. to examine his wireless apparatus; with aerial only 80' receives regularly from all stations on east coast, Panama, and Mare Island; offers improvements freeof cost. W To---Invites further information.2/13.
61223	2-6	Wilson Apparatus Co	States have taken over patents issued to Prof. Wilson on; at present time not able to quote on apparatus giving more than 300 discharges per second. W To---Ack. Gives data.2/15.
61195	2-13	Lowenstein, F.	Reports result obtained from test 5kw set; W To---Reqst addtl information. 2/15. Will send Monday Morning; 2-23 Gives data re test. 2-25
61337	2-15	Henry, I.W.	Reports one of his sets ready for inspection and asks that NY be directed to test.W To---Directs delivery,NY yard.2/19.
61410	11-6	Clark, Geo.H.	Recommendations foradapting commercial sets for Navy purposes. W

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APPARATUS: GENERAL. 876

Number.	Date.	From or To—	Subject.	
61489	2/17	To S&A	Contracts 12899, 12874 and 12930; Status of issuance; requests steps be taken that credits to offset these charges against "Eq. of Vessels" be made. A	
61673	2/20	To NY	Motor generators and transformers, NSA reqn. 260, Bu; requests information concerning disposition. W	
61674	2/20	To NY	Asks what 2-K.W. quenched gap wireless sets have been delivered practically complete but have not yet been tested. W	
61683	2/20	To NY T	Test of Wireless Improvement Co's 5-K.W. set authorized if suitable generator on hand. W	
59936	2/20	To NY	Sched. 4250; request report on set offered by Fritz Lowenstein.	706
62086	2-26	Lowenstein, F. T	Re result of test of apparatus at NY in connection with schedule 4250. W Fwd NY. in conn. 59936-706, Feb. 19th. m2/26. To---Letter has been fwd to NY for consideration. 2/27.	RB 3-9
62210	2-26	NY 855-705-583	Reports on status of delivery of 2-kw set, quenched spark, from Telefunken, Marconi, National Elec. and Garwood: To---Washn. S&A. Regst shipment Marconi set, NY to Washn. 2/28.	
62217	2-27	NY 10171	Reports distribution 2-kw motor generators and transformers furnished under reqn. 260; 2 outfits remain in store. W	

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APPARATUS. GENERAL: 1912

Number.	Date.	From or To—	Subject.	
58137	1/9	Nav.Intel 11525	Reqt. report as to kinds of apparatus, number of stations and receivers on board ship, complement of operators, rules for communication between vessels of fleet,etc.W To---Submits information.1/16.	
58160	1/9	Marconi W.T.Co	Reqt. authity to change capacity of sets on contract 221, from .012 to .006. W Fwd NY. for rec.1/13. RB 1-25 To---Bu.agrees to change.1/26.	
58440	1/12	To S&A	Schedule 4250; requests be amended.W	
58804	1/13	Wireless Spec.Co	Explains proposition for furnishing transmitting set in conjunctionwith Diehl Motors on schedule 4250. W To NY.Directs test.1/18. To---Will test at NY. 1/18. To NY.Desire transmitter tested under working conditions.2/1. To NY.Asks if letter has been received.2/9.	
59116	1/16	Stretch, Raymond	Reqt. information re construction of apparatus.W To---No pamphlets for distribution.1/24.	
59130	1/19	To N.Acad. W	Wireless aeroplane set; directs prepare for shipment to W.T.Station, Point Loma, San Diego, Cal.W To S&A. Request shipment.1/20	
59195	1/20	Blood, J.B.	Reqt. power required,etc. to operate 500 cycle plant.W To---Not prepared to take up matter of prime over sets.1/23. Reqt.further.1/24	OVER
59266	1/19	Marconi W.T.Co	10 kw quenched spark gap set; states have built for .006 M.F. W Fwd NY.1/23. RB 2-5	
59237	1/11	M.Is.	Raleigh; 2 kw set, reqt auth. to retain in laboratory.	368--6

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APPARATUS: GENERAL 876

Number.	Date.	From or To—	Subject.	
59278	1/20	S'A	Schedule 4250; fwds copy of circular letter to firms giving amendments under.W-R	
59477	1/24	Henry, I.W.	Garwood Elec.Co. Asks if Bureau will consider bid from receiver to apply on schedule 4250. W To---Bid will be considered.1/26. To NY.Fwds copies of correspondence.2/19.	
59195		SEE OTHER SIDE	To J.B.Blood;Furnishes information.1/26.	
59776	1/27	Henry, I.W.	Garwood Elec.Co. Fwds print showing remote control panel, proposed for 2 Kw sets. W To Garwood Elec.Co., Fwd S&A.rec contract be amended to permit use of remote panel. 2/1.	
59863	1/27	NY 855-705-546	Fwds quotation on 4, 2kw motor generator wireless outfits,Garwood Elec.Co.spares for motor generators.W To---Directs submit recn.for spares: transmitters to be turned into store when complete.1/30.	
59932	1/30	S&A	Cont.15294: asks if 90% is in order	629
59965	1/29	NY	Reports receipt of 5 kw Telefunken set under contract 12899; reqt. instructions re shipment to North Head and Table Bluff; will be short buzzer,etc.W Fwd W.Is.Fwds copy of 59660-830-Feb.2d. 2/2. RB 2-26	
60216	2/2	To NY	L.V. KUKUI: directs furnish light-house Inspector, Honolulu, with plansa and instructions for installation of 2-k.W	678

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APPARATUS: GENERAL.

Number.	Date.	From or To—	Subject.
55783	12/9	NY 855-705-500	Rel to wireless outfits under cont.12874, turbo generators for, etc. States with these quench spark gap outfits best results cannot be obtained with turbo generators and other parts delivered under contract. Rec that sets be operated at 1-6/10 K.W. in lieu of 2. W Fwds C.O.'s DOLPHIN, STRINGHAM and BAILEY: Reqt report.12/12.
56139	12/12	Bost. 9588 OVER	Re-assignment of wireless sets for TBDS: states no wireless apparatus was received prior to sailing of TRIPPE, AMMEN, WALKE, and PATTERSON. States what work was completed.W To Chasn-Has directed shipment of sets for TRIPPE, AMMEN & PATTERSON to.12/16. To S&A-Reqt shipment of.12/16.
56262	12/14	Telefunken W.T.Co.	Requests payments under contracts 12899, 456, 15294, 101 and 144. States all apparatus has been delivered.W Fwd S&A-Reqt return with note of action taken.12/26. To--Advises of action.12/26.
56618	12/20	To NY	Cont.14811, Bu.Recn.206; fwds print of remote control panel which Garwood Elec. Co. propose to furnish. W
No #	12/21	To S&A	Recn.#174, two 2-k.w. and three 1-K.W. sets: states contract with add. specfns. quoted, will be satisfactory to Marconi W.T.Co. and Bureau. W-R
56989	12/26	To S&A	Contract 15232; assignment of 2 10-k.w. for Stations, Unalga Island and North Head approved, reqt shipment to M.Is.for test; 2 5-k.w. sets auth. for Jupiter and Tatoosh Island, reqt shipment to NY for test when requested by Bu. W To Pug.Sd.Installation of new set at Tatoosh Island to be delayed until after July 1st.1/23.

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N.S.E. Form 134.

APPARATUS 876

Number.	Date.	From or To—	Subject.	
57078	12/5	Asiatic Flt	Wireless sets purchased at SHANGHAI: quotes quarantee given by the Telefunken Co	495
56139		SEE OTHER SIDE.	To Chas.Rel to delivery of wireless sets for Destroyers.12/29.	
			1912	
57716	1/4	Marconi W.T.Co	Objects to signing contract 221 for stock with 30 days delivery unless contract is re-dated.W (T)to---Directs ret.cont.220 to NPO for redating.1/6.	
57703	?	Wilson, Dr.E.	Fwds article on his new induction coil.W To---Ack.1/16.	
57513	12/5	Asiatic Fleet	ASIATIC: states have made arrgt for purchase of two sets:	495
57591	12/30	2d Sub. Div	SUBMARINES WT. submits reqn 61 for 9 battle wireless sets, suit case type furnished by National Elec: Sup.Co.	907
57598	12/26	NY	SCHOOLS: reqt auth. to use old apparatus in store.	707--3
57862	1/5	Marconi W.T.Co	Reqt. authority to use .006 MF in quenched spark sets under contract.W To---Bu considers will be satisfactory.1/6. Enc.with 58160 to NY 1/13.	
58124	1/8	Washn 294-27	Reports Paulsen in store; reqt. disposition.W To---Directs be kept in store until inspected by Bu's expert.1/11.	

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APPARATUS: GENERAL.

Number.	Date.	From or To—	Subject.	
✓ 54304	11/23	To S&A & Washn	Reqt shipment to Washn from NY Yd., one 1-k.w. set complete for test. Reqn.#82. W In lieu of test intended for NY Yd. W To NY-Informs of actions.11/24.	
✓ 54467	10/25	Hugo Roger Penzer	Invites attention to his. Has discovered that undamp waves may be used for signal transmission of messages; submits diagram. W To--Reqt further information.11/27.	
✓ 54526	11/23	NY 855-705-490	(Henry set) Garwood Electrical Co. reports on inspection of sets offered for sale. States one can be adapted for use on HANNIBAL. W	
✓ 54584	11/25	S&A 117194	W.T.Sets, contract 15294, and Bu.reqn 174; re-assignment of: have directed New York to s ship Boston sets for TRIPPE: AMMEN: WALKE: PATTERSON, and to Chas.Yard for MONAGHAN. Reqst instructions re point of delivery for remaining 5 sets on reqn.174.W To--Reqt place of del. be changed from NY & Bost to NY Yd for test.11/28.	
✓ 54299		From Card #19. OVER.	To S&A--Reqt shipment four sets to Boston, one set to Chasn., for AMMEN & Class.11/24. Fwd NY-Advises.11/27. To Chasn-Proceed with installation on MONAGHAN when recd.11/27. To Chasn-- If frequency meter not delivered, report to Bu.11/28. R.B 12-29 - from N.Y.	OVER.
✓ 54408	11/24	To NY	Reqt blueprints of wireless apparatus. W	
✓ 54724	11/27	NY 925-855	Fwds prints.W To--Reqt report re necessity for long delay in making test of 1-k.w. Clapp-Eastham transmitting set.	

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APPARATUS: GENERAL. p 876

Number.	Date.	From or To—	Subject.
54299		See Other Side.	To At.Tor.Flt-Fwds copy of letter to Boston.11/28. To Bost-Proceed with installation on TRIPPE, AMMEN, WALKE and PATTERSON.11/28. To Dept-Reqt auth. to assign sixth 2-kw set on Recn.323 to the HANNIBAL.11/28. BLRB12-2 Fwd S&A-Reqt shipment of set to HANNIBAL.12/4.
54854	11/29	NY GSK	Reports receipt of two wireless sets, National Electric Sig.Co., contract 13525. Will ship one to Frying Pan Shoals Light Ship.W To S&A-Reqt shipt from NY to Colon of one sending, and from Norf to Colon, two 6-H.P. gasoline engines with 500-cycle generators.12/19. To NY--Advises.12/19.
55114	12/4	To Dept	Reqt auth. to submit recn. for 15 5-kw quenched gap sets, and ten 2-kw similar sets, for stock. W BLRB12-7 a ppd
55429	12/7	To Ernest Wilson, London	Hightension discharge apparatus to w.t. transmitters; reqt inf as to present application of, what can be furnished and price. W
55545	12/8	Henry, Ira W.	Requests to be favored with order covering quench spark sets recently tested at NY Yd. Recommends sending to New York yard for final inspection before acceptance.W
55725	12/4	Federal Telegraph Co.	Requests to be put on list of bidders for wireless apparatus.W Fwd S&A.12/15.
55698	12/6	NY 936-855-42	Test of ~~Platt~~ Clapp Eastham set; reasons for delay in.W

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APPARATUS: GENERAL:

Number.	Date.	From or To—	Subject.	
51226	10/16	NY 67-269	Garwood Elec. Co. Fwds corres. re status of company; claim will be able to deliver materl on contract 14811, but not before Jan. 1st.W	
51508	10/6 10/13	Nat.Elec.Sig.Co NY 855-705-446	Enters protest against rough manner in which wireless apparatus is handled while under going test at Yard; Yard states apparatus is poorly packed, of poor workmanship and design and recommends discontinuance of purchasing from this firm. W To Co.Quotes NY's letter.11/4.	
51616	9/30	Dept	Special Order 110: transfers elec.appratus, gen.set, etc to title "A".	603
51682	10/9	AMMEN	Re installation of wireless and Ardois sets.	115-3
51896	10/25	Falk McMahon W.T.Co	Reqt. authority to install apparatus on vessel at own expense; especially improvement for cutting out interference and increased range.W Fwd Expr.Sta.for comment.11/2. To---Will be pleased to test on STRINGHAM and BAILEY. 11/4. RB 11-29 Ready for test.	
51889	10/24	Clark, G.H.	Makes adverse report on method of testing at NY Yd. and recommends matter be investigated.W Fwd NY For comment.12/4. BB 3-13 Reqt. copy of Clark's orders. 1/11	BELOW
51984	10/16	C.Lorenz,Aktiengesellschaft	Invites attention to difficulty of Turkish Govn. with Marconi. Offers to sell outright, their systems. W To-Reqt further information.11/29.	
51889		SEE ABOVE	To NY. Fwds copies of all orders issued to Mr.Clark.1/29.	

N.S.E. Form 134.

APPARATUS: GENERAL: 876

Number.	Date.	From or To—	Subject.	
52071	10/28	To Telefunken Co.	Asks if immediate shipment can be made of two 2-KW sets, 125 volts, cont.14747, for Asiatic Fleet.	495
52138	10/28	Telefunken Co. T	Can ship 2 complete 2 kw sets by Nov.15.	495
63127	10/27 11/7	Garwood Elec.Co. S&A	Apparatus due on contract 14811; forwards application of Charles N. Fowler, receiver, to proceed with completion of apparatus due.W Fwd Dept-All sets on this cont. will be needed.11/29.	
53448	11/11	NY	TESTS: have no wireless apparatus available for experimental work, elec. School has old Slaby Arco Set	903
53307	11/11	To S&A	KANSAS: cont.14747 (Tel.Co.) reqt shipment of one 2-kw set NY to Norf for installation ansd test as soon as one complete set has been delivered.	255--6
54056	11/3	Clark, G?H	Re wireless apparatus for aeroplanes, suggestions for buzzer signals,etc.W	
54142	11/20	NY 855-926-3	Fwds "A" sheets.W.	
54299	11/22	Telefunken W.T.Co. See Card #20.	Status of deliveries on recent contracts.W To Dept-Reqt auth to change assignment of sets for destroyers.11/23. (T)To-Reqt confirm del.11/23. R B 11-24 a'ppd	
54383	11/24	Telefunken W.T.Co.	Contract 15294: everything ready to complete six sets except 3 frequency meters. Expect to complete delivery this afternoon.W	

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N.S.E. Form 134.

APPARATUS: GENERAL:876

Number.	Date.	From or To—	Subject.	
49179	9/21	Henry Ira W.	Asks if Buresu still desires to purchase 2 kw 500 cycle sets. W To - not wanted 9/23	
49485	9/25	Henry, I.W.	Asks if Bureau will purchase sending part of 2 kw sets recently tested.W. TO -- quotes extract from report of test.9/27	
49680	9/21	Telefunken W.T.Co	Proposes to supply standard receivers on reqn.82.W Fwd S&A-Req.delivery of receiver be made within 90 days.9/29.	
49739	9/28	Henry, I.W.	Replies to defects reported in his set; quotes reduced price. W To--reqt itemized list of parts of transmitting apparatus offered.9/30.	
50042	9/27	NY School	Reqt apparatus for use of class	707--3
50357	10/5	Henry, I.W.	Gives parts forming sending set of his 2 2-kw sets.W To NY.Directs further insp.with view to making reqn for at reduced price.10/14. RB 10/19 (enclosures)	
50938	10/12	Garwood Elec.Co	Reports appointment Chas.H.Fowler as receiver; business will continue.W Fwd NY.for his information.10/14. RB 10-21	
50977	10/12	Nat.Elec.Sig.Co	Reqt. corres. be directed to Pittsburg Office. W To---Noted.10/16.	
51050	10/13	United W.T.Co	Fwds bills covering wireless service under reqns. 192 and 193; Ordnance." Fwd Dept.10/16.	

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APPARATUS: GENERAL.

Number.	Date.	From or To—	Subject.	
47376	8/25	NY 3071-4	Gives reasons for rejection of 2 kw sets reqn. 262: Telefunken: originally ordered for Cape Henlopen. W	
47186	8/24	NY 855-41	Standard calling wave length: reports on status of, of vessels at Id. W To---Assignment of wireless sets. Instructions.8/30.	914
47691	9/1	Lowenstein, F.	Cannot change wave lengths on apparatus furnished on contracts 121 and 14746 without damaging efficiency of instruments.W Fwd S&A recom. contracts be amended.9/5 RB 9-20 To - have amended re wave lengths 9/20	
48110	9/5	NY 855-43	Recommends assignment of sets on reqn. 217 be changed to CULGOA: DIXIE: PANTHER: also. STERETT: MCALL MAYRANT: WARRINGTON: Reqt. further instructions re sets for DOLPHIN & MAYFLOWER.W Fwd NY undertake installa. 9/14 RB 9-19 To NY - instrctions re assignment 9/9 To Dept. reqs. author.to assign9/RLRB 9-13 from Dept.	
48218	9/7	NY 2438	Reports assignment of 2-kw wireless sets on contract 12874, Nat. Eled.Sig.Co. to BAINBRIDGE: BARRY: POMPEY: CHAUNCY: DALE: DECATUR. W Ref. N.Y. are sets provided with quenched spark gaps 9/9 RB 10-8 To---Shipmt reqst. 10/30.	
48403	9/9	NY 2504	Reports assignment of sets under Nat.Elec. Sig.Co. contract 12874. W TO -- Set assigned SATURN to DOLPHIN 9/13	
48888	9/15	NY 855-705-413	Reports inspection and test of 4, 2 kw sets furnished by the Garwood Elec.Co. W To N.Y. Investigate status of firm 9/22	
49034	9/20	TO NY	Reqt. appr.shipment to Washn of Clapp-Eastham wireless set as soon as test is completed W.	

Number.	Date.	From or To—	Subject.	
32689		See Cards 6 and 16.	(T)to Pensacola.Further shipmt set shipped from NY July 28th reqste: db not unpack. 8/5. Fwd S&A.Reqst that W.T.set fwd to Pensacola by Telefunken Co. be shipped to Olongapo together with other items.8/7. Fwd S&A.Ref to letter of 7th. 8/9. RB 11-13 Fwd S&A.Noted.11/15.	
45809	8/4 8/8	NY Camera Exchange NY	Apparatus patented by J.H.Andrews not presented for trial.W.	
43279		See card 16	To M.Is. On receipt of apparatus, directs installation on MARYLAND. 8/9.	
45976	8/10	TO NY	Fwds copy of regn. 82 covering sets for EAGLE: LIGHT VESSELS, Etc.W	
46244	8/12	Nat.Elec.Sig.Co	Quotes price on 3 quenched spark gap sets.W To---Bu not prepared to purchase.8/16.	
46275	8/11	NY 936-630-5	Reports test of apparatus recd from Wireless Spec. App.Co., 500 cycle, consisting of generators and transformers.W To Wireless Spe.App.Co.Fwds copy of test report. 8/17.	
46545	8/17	Henry, I.W.	Has 42 kw, 500 cycle quenched spart sets for sale; price $2250. W To---& fwd NY. NY directed to insp.8/18. R.B.Will comply.8/23.	
46581	8/17	Telefunken Co	Acknowledges receipt of orders for 2 sets for shipment to Ports. W RBB 8-31 Enc with 46652.	

N.S.E. Form 134.

APPARATUS: GENERAL: 876

Number.	Date.	From or To—	Subject.
46623	8/18	Telefunken Co T	For delivery at Ports, WHEELING & MARIETTA: unable to obtain motor generators, 80 volts before Sept. 1st; reports status of plans of apparatus. W (T)to Ports.Reqst est.to rewind generator. 8/18. (T)to---Directs retain receivers until further instrns.8/18.
46652	8/18	Telefunken Co	Reports apparatus will be shipped Ports by freight Aug.19; forMARIETTE & WHEELING:W Fwd Ports.Telefunken Co.will rewind WHEELING'S motor generator.8/21 RB 8-31
46685	8/17	Wireless Spec.App.Co	States has two quenched spark gaps for Japan which request tested at Washn or NY Yds. W To---& NY. Bu desires to test gap at NY. 8/21. To Dept.Reqst auth.to purchase 2 sets.8/17
44616		See card 16	To Ports.W.T.sets for WHEELING & MARIETTA: Fwds copy reqn.94, and letter from Telefunken Co. Instructions issued.8/18.RB 8-31 Fwd Ports. 8/19. (T)to Telefunken Co. Purchase two 2-Kw sets auth.8/17. RB 8-28
46713	8/18	United W.T.Co.	Asks if any report has been issued on the pitting of copper pipe, steel hull, and other metal parts by wireless while working.W TO -- non reports on hand. 9/14 Fwd S&A. for information 8/25. Fwd C&R. for any information available.8/25.RB 9-11
46920	8/21	NY 1872	Reports issue and assignment of apparatus under contract 12874 Nat.Elec. Co. and contract 12899, Telefunken Co.W
No #	8/23	To S&A	Portsmouth reqn.94:Two W.T.sets; Reqst one be delivered Bu Standards for test, and other NY for stock, since WHEELING & MARIETTA have suitable receivers of another type. W
No #	8/23	To S&A	Bu reqn.82 for W.T.sets; Requests receivers be delivery at NY. Another type will be furnished the EAGLE. W

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Number.	Date.	From or To—	Subject.	
42521	6/28	Phila	Submits estimate for installation of two-k.w. wireless set at Yard. W Fwd Y&D. 6/30. RB 7-21 Fwd Dept. Rec appr.7/22. RB 8-7 Appd.8/8. Fwd C&R. Noted.8/9.	
40207	3/31/10	Fanning, Walter F.	Fwds suggestions rel improvement of wireless. W	
40207	1/1	Fanning, Walter F.	Writes rel transmission of energy of wireless telegraphy. W	
42656	6/30	VIRGINIA:	Box labeled Wireless Spec.Appa. Co. receiver contained only telephone for same. W	
43279	7/10	L.De Forrest t	Quotes price on 2 kw quenched spark set for delivery M.Is. Asks if interested. W (T)to---M.Is.will insp.7/11. Fwd M.Is.directs inspection.7/11. RB 8-1 Fwd Dept.Reqst auth.to purchase set for MARYLAND. 8/2 Fwd Dept.Reqst auth.to submit reqn for set. 8/3. RB 8-5 a'ppd	See card 17
44110	7/15	L.De Forrest	States apparatus examined by M.Is. is satisfactory; awaits Bu. instructions. W To---Reqn will be submitted for.8/9.	
44258	7/22	TO NY	Directs 2 kw set originally purchased for Cape Henlopen be converted into ships set.W To---Items on reqn.340, purchase of will be held in abeyance.9/1. To--Gives instrns. re complete outfit for C.Henlopen.12/7.	
44265	7/24	TO Firms	Reqt. quotation on quenched spark gap sets.W	

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APPARATUS: GENERAL. 876

Number.	Date.	From or To—	Subject.	
44412	7/8 7/19	Pug.Sd. 2555 NY 6316-855-3	States power factor meter and cirduit breaker and one wave meter missing from 5-k.w. set shipped from NY to Pug.Sd. States one generator transformer and box of spares received for Tatoosh and gives list of parts necessary to complete set. Y Ret Puget. 7/27. RB 9-11 To P. Sd. no suitable type could be del. 9/12	
44576	7/26	Marconi W.T.Co	Quotes price on 2 kw sets; submits photos. W To -- Acknowledges; will be pleased to witness operation. 7/27.	
44581	7/26	Henry, I.W.	Reqt. authority to submit bid on 4, 500 kw quenched spark sets complete. W. To -- Would like to test set at Bu. of Standards. 7/27. To---Asks if sets are still offered for sale. 8/15.	
44616	7/25	Telefunken W.T. Co	Quotes on quenched spark sets. W. To -- Question of purchase is under consideration. 7/27. To Dept. reqst auth. to submit recn for 3 sets apparatus--for PETREL and EAGLE.- To---advising. 8/1. RB 8-8 Appd R.B.Appd	See card 17 8/17
44641	7/27	TO S&A & NY	Directs shipment of sets on contract 12874, Nat. Elec. Sig. Co. for station at ANNapolis and STRINGHAM & BAILEY. W	
44681	7/27	Telefunken Co	Variometer set; will hold for Bureau until reply to proposition is received. W	
45034	7/31	Nat. Elec. Sig. Co.	Quenched spark gap wireless apparatus; asks if Bureau intends requiring formal bids. W To---Purchase contemplated. 8/4.	
45326	8/3	S&A 106962	Order cancelling shipment of Telefunken set to Pensacola received too late. W	

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[OVER.]

APPARATUS: WIRELESS:

Number.	Date.	From or To—	Subject.	
40775	6/9	TO NY	Set originally purchased for Cape Henlopen reqn. 261; reqt: report as to suitability for TBLS. W	
40680	6/8	To NY	BEALE CLASS: fwds copy of reqn 323 covering 2 kw sets to be delivered at NY	134--6
41028	6/10	Nat.Elec.Sig.Co.	Sched.3635: opening June 20th: states should read six 2-k.w. instead of six 3-k.w. Reqt be confirmed officially. W Fwd S&A. 6/13.	
41131	6/12	Clapp Eastham Co	Asks if Bureau will consider bid on schedule 3635 on quenched spark transmitting set operated under 60 cycle motor generator. W To -- Bid will be considered.6/15.	
41220	6/14	Garwood Elec.Co.	Reqt that proposals be sent to them in order that they may bid. W To -- Fwd S&A. Reqst S&A fur.Co.with copies of schedule.6/15.	
41273	6/8	NY 925-855-6	Fwds print showing transmitter inductance, type H with rack for, etc. W	
41451	6/17	To S&A	MARIETTA: Reqst that NY Yd be instructed to ship 60-cycle transformer or induction coil.	278-6
42109	6/10	C.O. VOID.	Induction coil for wireless: reports on. W	

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Apparatus: 876

Number.	Date.	From or To—	Subject.	
41401	6/15	C.O.	N.DAKOTA: fwds prints & explains changes made in TELEFUNKEN Apparatus delivered on cont.13899. re primary re-actance, etc	321--6
41616	6/19	Harris, Sidney.	Appointed receiver for United Wireless Telegraph Co., and United Wireless Telegraph Co. of New York, and reqt that awarding of bids for wireless apparatus under Schedule 3635 be deferred until June 22. W Fwd S&A. Not recommended.6/20.	
41780	6/20	NY 855-585-27	Fwds prints and photos of wireless telegraph apparatus. W	
41658	6/19	To Bu Standards.	Reqst 25 copies of Bu of Standards Reprint No.159, "Some Quantitative Experiments in Long Distance Radiotelegraphy." Received.6/26.	
41680	6/20	TO Nat.Elec.Sig.Co.	Reqt that telegraph sets on Contract 13525 and 13424: reqt to be informed progress being made toward fulfillment of. States sets urgently needed for light vessels. W	
41884	6/22	Garwood Elec.Co.	Quenched spark apparatus on Cont.14811; reqt authority to make certain changes.W Fwd S&A. Deviation from spcfns I6T5 satisfactory.6/24. To -- same.6/24. RB 7-11 Fwd NY.to note and return.7/11. RB 7-18	
42141	6/24	Nat.Elec.Sig.Co.	Reports status of contracts for wireless apparatus. W To -- (2) Rel delivery on contracts 13422 and 13525.- To NY fwds copy of letter.7/1.	

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[over.]

APPARATUS: GENERAL

Number.	Date.	From or To—	Subject.	
38041	5/6	Cram, E.R. T	Reqt. confirmation United Wireless Co. denial did not bid on high powered Washn. W.T. Sta. W (T) & letter to -- advising.5/6.	
38042	5/6	Cram, E.R. T	Reqt. confirmation denial relative to omission of name, United W.T. Co. in 1910 list, re use by companies to help stock sales. W	
38128	5/6	NY 11-761	States have only one Slaby Arco rheostat old type, ready for issue. L To Norf. S&A. Fwd NY. reqst shipmt to Beaufort W.T.Sta. 5/9. RB 5-17 Fwd Norf. Rheostat will be installed.5/18. RB 5-24	
38320	5/4	Standard Wireless Equip. Co.	Reqt. specns. for wireless, mprices, and a chance to bid. W Fwd S&A. Rec blank proposals be sent.5/11. To -- Spcfns fwd.5/11.	
38412	5/5	Pensacola	States motors for driving Telefunken generators on req. 115 have not been recd. W Ret -- Have been shipped; reqst advice when received.5/18. RB 6-8	
38784	5/12	Phila 260	Motor generator for; on regn. 260; Crocker Wheeler; reqt. copy of contract. W Fwd S&A. Rec.compliance.5/18.	
39037	5/16	Dept 3003-4	For Naval Militia in Great Lakes; directs steps be taken to equip with United Wireless Tel.Co. apparatus; on rental basis. W Fwd Ord. Noted.5/20.	
39029	5/16	Dept 3003-4	Directs steps be taken to enter in to contract on rental basis for equipping Naval Militia on At.Coast. W Fwd Ord. Noted. 5/20.	

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APPARATUS: GENERAL: 876

Number.	Date.	From or To—	Subject.	
39056	5/17	NY 12-230	Reports wireless sets received for CINCINNATI: VULCAN. W	
39119	5/19	Telefunken Co	Contract 210; reqn. 260 Transformers; reqt permission to have tested at NY Yd. before shipment o M.Is.W To -- Asks what extension of time would be required, to have test made at NY. 6/23. Ref. NY enc. with 39682-629 5/27 RB 6-2	
39325	5/16	Marconi Co	Fwds 2, 4 volt valves for test.W	
40051	5/31	NY 12830	Reports receipt of, under contract 12874 FOR MARS: HECTOR & YOSEMITE. W	
40084	5/29	NY	cont.12899: fwds corrected tracing of connection diagrams, Telefunken Co.	629
40206	5/22 5/31	Standard Wireless Equipment Co. S&A	Schedule 3571: unable to bid on complete equipment; asks if partial bid on receiving sets will be accepted.W. To -- Probably will not be awarded to separate concerns.6/5.	
40207	5/19 6/1	Fanning, W.N. Navgn	Aks ig his report on "No transmission of energy through space in transmission of wireless messages", was received.W. To SO.DAKOTA thru Pac.Flt.Comments.7/1 RB 7-24	
40289	6/2	United W.T.Co	Reqt. copies of specns. for, under schedule 3571. W Fwd S&A. 6/3.	
40685	6/8	TO Nav.Int.	Gives certain information rel to wireless apparatus and stations for use of Bolivian minister. W	

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FILE No.		From or To— (Dated)	Subject.	
37330	4/28	TO S&A	Asks if wireless apparatus and compressed air condenser now on NEW HAMPSHIRE for test can be used elsewhere without being charged against appropriation.W	
32689c		See Card #6	To NY. reqsts insp.of generators and transformers.4/28. To Telefunken Co. reqst prints of motor generators.4/28. (T)to NY.delay shipmt W.T.set M.Is.4/28. To M.Is.and S&A Instrns for shipmt; reqst shipmt.4/28. To NY. States yards to which shipment will be made.4/28. To S&A Reqst shipmt reqst of Mar.1st & Apr.28(Pensacola) be canceled.7/31	See Card 17. BL RB 6-7
37425	4/29	TO Key West, S&A NY	Shipment wireless articles from Key West for survey and repairs. W	
37426	4/29	TO NY	Fwds copies of Bureau Reqns. 2 and 3, 1912, for wireless sets, oil engines, for Tutuila, Unimac Pass, Cordova & Kodiac. W	
37843	5/3	S&A 99225 p	Stateswireless air compressor on board NEW HAMPSHIRE may be transferred to another ship without charge against Bureau Appropriations but cannot be transferred to a GSK. W Fwd NY Reqst rec as to ship or station which could best use.5/6. RB 5-13	
37807	5/2	NY 926-2-7	Fwds prints of wireless apparatus.W	
37830	5/3	TO NY	Slaby Arco rheostats; asks if any instock. L	
39286	5/20	Cramps	WYOMING: non-installation of: Contractors ask if S.Carolina can be taken for guide in estimating.	488--6

FILE No.		From or To— (Dated)	Subject.	
No #	4/17	To S&A	NSA Bu reqn.261, wireless telegraph sets: Rec. bid of Telefunken W.T.Co.be accepted.W	
36657	4/20	TO Telefunken W.T. Co	Reqt. approx. date of delivery of articles under contract 210, reqn. 260, for M.Is.W (T)to -- Asks if generator or transformer, item 4, cont 210,been shipped to M.Is.4/22.	
36756	4/5 4/17	Andrews, J.H. NY 936-855-16	Reqt. test of a wireless apparatus which entirely does away with interference. W Ret NY apprd. Reqst report after test.4/22. RB 5-2	
36810	4/22	Telefunken Co T	Expect to express generator 26th; transofrmer as promised. W	
36924	4/22	Telefunken Co	Reqn. 260. States will express 5 kw gen. to M.Is. for Unalaska as per reqt. W	
36739	4/2	To C.O.	MARIETTA: reports on efficiency of set	278--6
37084	4/18	NY GSK	Reqt. instructions relative to apparatus on contract 12874, Nat. Elec.Sig. Co. NPO contract 326, F. Lowenstein. W	
37127	4/20	Nat.Elec.Sig.Co	Reports appointment of S.M. Kintner, Genl. Mngr. and technical director. W To -- Acknowledges.4/28.	
37058	4/18	Br Hydro.Off. Phila	Reports on wireless system on BRITISH ships	891
35738	4/21	To M.Is.	STEWART: reqt report on efficiency	413--6
37784	5/3	NY	TORPEDO:B.D. states estimates for installing wireless on did not include cost of aerial: gives same	496

FILE No.		From or To— (Dated)	Subject.	
34944	3/27	NY Yd 855-705-175	Reports on test of, manufactured by United W.T.Co.; recommends be not purchased. W	
35205	3/31	NY	TBDS: 32-36: submits est. for installation of sets on those not now so equipped.	496
35298	4/3	Telefunken Wireless Tel.Co.	Rel to 5 kw generators to go on bed plates of M. & W. oil engines, Reqn.260. W To -- To fur.slide rails; reqst prints.- To A.Mietz. fwds print of generators and reqst quotations.4/20.	
35488	3/24 4/4	WEST VIRGINIA Dept 26983-112	Reports on experiments with wireless telegraphy in connection with aeroplanes. W Fwd Dept. calls attention to 34609 of even date.4/25.	
35615	4/7	TO S&A, Washn. Norf.	Battle wireless telegraph set; shipped to WashingtonYd. for overhauling and test.W. B.L.to Norf. R.B.4/15	
36003	4/10	Lowenstein, F	5kw sets; states expects to deliver by end of May. W	
36290		Nat.Elec.Sig.Co	Reqn. 290; for 5 kw set; and transformers; reqt. additional information.W. To -- Information furnished.4/21.	
36555	4/19	TO NY, S&A, Norf.	Directs shipment of transmitting sets on contract 12874 to Norf. for installation on MARS: HECTOR: VULCAN INGALLS. W	
36406	4/17	To Dept	APPRO. reserve fund, Equipment of Vessels, 1911, Reqt be alloted to SE to cover expenditures for wireless sets and Long Distant Sta.	604

FILE No.		From or To— (Dated)	Subject.	
34376	3/28	Garwood Elec.Co	5 kw sets; states sets are not in stock but guarantee time of delivery, 8 weeks. W	
34497	3/23	Telefunken Co	Quotes price of sets, with belt driven gen. W	
34593	3/22 3/24	North American W.T. Corp. Dept	Writes relative to Dept. considering bids on their apparatus made by the Garwood Elec.Co. W	
34609	3/6	WEST VIRGINIA:	For aeroplanes, devised by Chief Elecn. H.E.Morin, and Elecn. Whitham. W Fwd Dept. Rec test at M.Is Yd or elsewhere. 4/25. RB 5-17 a'ppd Fwd M.Is.for comment and rec. 5/18. RB 7-5 To M.Is. Apprd.7/7.	
34651	3/25	TO N.Y.Yd. & S.&A.	Cont.12899: directs shipment of apparatus to Portsmouth, Philadelphia and Mare Island. W To S&A(2) Rel shipment of detectors.4/15.	
34637	3/23	Marconi W.T.Co.	Reports completion of order for three W.T.sets: and states can deliver 3 addtl sets in two or three days' time. W To -- acknowledges.3/25.	
34772	3/21	NY.	BAILEY: Poulsen set: hot wire ammeter for: states forwarded to Norf. prior to receipt of By's letter directing no part of be disposed of: asks if same shall be returned & new ammeter purchased.	124--6
34777	3/21	J.L.Jones	Reqt addresses of firms manufacturing. W To -- Information furnished 4/1.	
35682	4/6	Mass Nau.Tr.School	RANGER: reqt wireless outfit:	369--6

APPARATUS: GENERAL: WIRELESS:

FILE No.		From or To— (Dated)	Subject.	
34009	3/16	NY Yd 855-705-159	Submits further report on Mr Martins visit to works of Garwook Elec. Co. W.	
34061	3/17	Telefunken W.T.Co	Quotes price for spares for 2 and 5 kw sets. W	
34160	3/17	United W.T. Co	Reports W.T. apparatus ready for immediate delivery. W Fwd NY. Directs insp. and rec.re purchase 3/22. R.E.3/27. To -- Not prepared to purchase.4/8.	
34085	3/18	TO Telefunken W.T.Co	Reports submitting reqn. 260 to cover apparatus to be delivered at NY Yd. and M.Is. for various W.T. Stations.W. To -- Reqst list of spare parts reqns 260 and 261. 3/25.	
34081	3/18	TO NYD	Fwds copies of reqns. 259, 260 and 261 for.	W
34086	3/18	Firth, John	Offers to sell apparatus formerly installed on Evans Bldg. for $2500. W To -- Bu.does not desire to make reqn.3/23.	
34149	3/16	NY	OHIO: states delivery of set on reqn 82 will be too late to install prior to July 1st, reqt auth. to assemble or purchase another set.	323--6
34152	3/7	C.O.	WHIPPLE: reqt installation of new one as entire outfit was transferred to TRUXTUN.	479--6
No #	3/21	To Dept.	NSA reqn.261, wireless telegraph sets,etc. for wireless T.stations. Requests purchase without competition.	

APPARATUS: GENERAL : WIRELESS:

FILE No.		From or To— (Dated)	Subject.	
33757	3/14	Garwood Elec.Co T	States inspectionof Mr. Martin did not give proper information re their wireless work; reqt. he be directed to make new visit. & report. W To -- Bu.satisfied that Co.cannot furnish; will not place reqn with.3/20.	
33756	3/13	Telefunken W.T.Co	Quotes price on motor gen. and transformers for 2 and 5 kw sets. W.	
33580	3/11	To NY Yd	TERRY:DRAYTON & PERKINS: will purchase Marconi apparatus and directs installation at yd.	432--6
33841	3/15	TO Dept	Reqt. auhtority to purchase wireless apparatus for improving Cape Henlopen and Jupiter Inlet Stations on reqn. 261, in connection with law covering all vessels being equipped with.W R.B.3/20	
33841	3/15	TO Dept	Reqt. authority to purchase appara us on reqn. 259 and 260 for improving stations on Atlantic Coast. W	
33971	3/15	NY 926-2-6	Fwds print of wireless apparatus.W.	
33993	3/17	NY T	Garwood Elec.Co. not manufacturing generators or transformers. W.	
33999	3/17	United W.T.Co T	1 - 2 kw set ready for shipment 5 days; 1 -2 1 - 5 kw reqdy in week; can deliver two sets per week; price reduced.W.	

FILE No.		From or To— (Dated)	Subject.	
33159	3/7	Phila 8	Wireless transformer & inductances; reports arr. for shipment to Norf. and Washn. W	
33161	3/6	Phila	AMMEN: asks if set shall be mfgd at Yard	115--6
33279	3/8	United W.T.Co	States will call at Bureau in reference to apparatus in store, which they can deliver promptly. W	
33276	3/8	Marconi W.T.Co	Fwds photograph showing standard ship switchbd for wireless; also cut of motor generators; quotes price. [Photograph not received.] Fwd NY for comment as to purchase 3/13. R.B.3/22. To -- Cannot use.3/22.	
33375	3/8	American Wireless Co	Reports have no transmitting sets in stock; can supply receiving sets. W To -- Acknowledgement 3/10.	
33574	3/11	Garwood Elec. Co T	Quotes price and date can furnish 5 kw generators with exciters for wireless. W (T)to NY. Sent rep.to Co.to inspect 3/11.	
33612	3/10	Nat.Elec.Sig.Co	Stateshave 5 -- 2 kw complete sets, ready for shipment. W. To -- Not prepared to submit reqn.for at present. 3/21.	
33703	3/13	Garwood Elec.Co	Reports visit of inspector to factory to inspect wireless apparatus; have not yet received order for any. S	
33707	3/13	Marconi W.T.Co	States expect to deliver 3 -- 2 kw sets Wednesday or Thursday. W	

FILE No.		From or To— (Dated)	Subject.	
32689	3/1	TO S&A, NY Yd, M.Is. Newport, & Circular to W.T.Sta.	Relative to shipment of 5 kw wireless sets from New York delivered on contract 12899, Telefunken Co. W To NY Reqst information rel receivers shipped to M.Is & Unalaska.4/15. To Ports,Phila, Newpt,Pensa; On receipt,reqst plans and est. for installing.4/28.	See Card 13
32865	3/3	Circular to Wireless Firms	Reqt. quotation on high frequency sets on hand or ready for prompt delivery. W	
32903	3/4	Norf.	TALLAHASSEE: wireless set shipped Wash.Yd.	426--6
32959	3/4	TO Norf. - Washn. - Phila. - & S&A	Shipment of wireless apparatus from Phila. to Norf. and Washn. W	
33018	2/20	Clark, J.P. Hart	Reqt. information re suitable wireless set to install in signal corps. armory, Mo. National Guard. W To -- Gives list of mfrs 3/8.	
33076	3/6	Garwood Elec.Co	Quotes price on high frequency W.T. sets. W To -- Reqst for complete data 3/7.	
33111	3/6	Marconi W.T.Co	Quotes price on wireless apparatus in stock.W To -- Reqst detailed list of instruments 3/7. (T)to.-- Reqn.apprd. Directs del.of three 2 kw ships sets;magnetic detector NY Yd 3/11.	
33119	3/6	Telefunken Co	Will submit quotation in high frequency sets in few days. W	
33152	3/7	Gardiner,Hon.A.P.	Reqt. information re disposition of old wireless apparatus for information of G.D.Morin. W To -- Advertised for sale 3/8.	

FILE No.		From or To— (Dated)	Subject.	
31780	2/15	Nat.E.Sig.Co	2kw sets; contract 13422; suggestions for condenser rack for same; submits prints. W To -- Plan satisfactory 2/17.	
31908	2/16	Norf 976	Reqt. vandykes wireless tel. sets.W	
31927	2/18	To S&A, NY & M.Is.	UNALASKA: shipment of 5 KW Telefunken set delivered under cont.12899: for	845
32084	2/20	Nat.E.Sig.Co	Fwds b/p of condenser rack proposed to be furnished on contracts 13422 and 14441; 2 and 5 kw sets. W To -- Plan satis.3/1. Fwd NY Directions for shipping: reqsts weekly report of number turned into store.5/1. RB 5-17 Reports on.W	
32252	2/23	TO Nat.E.Sig.Co	Fwds list of apparatus belonging to Company at Washn. Yard and reqt. shipping instrtns.W	
32427	2/25	TO Washn.	Fwds copy of reqn. 231 covering wireless transformers and inductances, etc. W	
32427	2/25	TO Washn	Fwds copy of reqns. 226 and 227, covering wireless material to be delivered at Yard for test. W	
32612	2/27	Nat.E.Sig.Co	Reqt. apparatus at Washn.Yd. not required be fwded to Washn Office. W Fwd Washn. Directs delivery of 3/1. R.B.3/6	
32681	2/20 2/28	No.American W.Corp. Dept	Gives reasons why their apparatus should be considered for use in Navy; especially in reference to sets on bids opening Feb.28.W	

APPARATUS: GENERAL: WIRELESS

FILE No.		From or To— (Dated)	Subject.	
31012	2/7	TO. I. Valores	Concerning "Phares Hertzians" for use of wireless telegraphy for vessels navigating in a fog. W	
31161	2/7	Nat.E.Sig.Co.	WASH.L.D.Sta. can ship 100 Kw set at early date but prefer to replace part of apparatus with new units covering improvements recently made	841
31157	2/8	C&R	MCCALL: installation of: after delivery: recommends installation be authorized in advance of estimtes on DESTROYERS 22-36	269--6
31223	1/10	C.O.	N.DAKOTA: reports on 5 KW wireless set furnished cont. 12899: Telefunken:	321--6
31225	2/6	N.Y.	Cont.12899: reqt instruns for making payment Telefunken outfit.	629
31437	2/11	Telefunken	Contract 12899: have made arrangements to replace detectors and fuses, and correct handles on rheostats. W	
31492	2/11	Telefunken	5 kw sets, schedule 3307: reqt. information as to what specns. same shall be furnished under. L To -- Infor.furnished 2/13.	
31481	2/10	NY 926-2-5	Fwds prints of . W	
31463	2/5	At.Torp.Flt	Comparative tests of, on Torp.Dest. Rates them TELEFUNKEN, Fessenden, Marconi. Latter a bad third. W	

APPARATUS: GENERAL: WIRELESS:

FILE No.		From or To— (Dated)	Subject.	
29981	1/25	Telefunken W.T.Co	Contract 12899; states have man at Yard repairing field rheostat.handles.	
30239	1/20	American Elec.Fuse Co.	Are putting out catalog and reqt. mailing lists W To -- States where to send catalogs 1/31.	
30272	1/27	Nat.E.Sig.Co.	Confirms report that Prof. Fessenden and part of technical staff have severed connection with company; will no material delay on outstanding contracts. W	
30393	1/25	Guantanamo	submits report on extimated & feasibility of making changes suggested	814
30797	2/3	TO Telfunken Co	Contract 12899; states detectors furnished with receiving sets are defective and will have to be replaced; also handles on rheostats be replaced on all sets delivered. W	
30816	2/1	American Elec.Fuse Co	Catalog; states desires to send same to enlisted men in charge of stations. W TO -- Apply to Navgn. 2/ 7.	
30759	2/1	Norf.	DUBUQUE: reqt further instructions rel	193--6
30962	1/18	C.O.	HULL: reqt more efficient set	235--6
30914	2/3	C.O.	DUBUQUE: reqt new set be installed on vessel while at Ports	193--6
30878	2/2	C.O.	MICHIGAN: reports working of 5 KW Telefunken set. cont. 12899	286--6

FILE No.		From or To— (Dated)	Subject.	
29387	12/31	At.Flt.	5 kw wireless sets; states have reqt. reports from ships concerned.	
29487	1/18	DELAWARE:	Reports on efficiency of 5 kw Telefunken Wireless set.	
29484	1/9 1/16	TelefunkenWT Co NY 855-705-122	5 and 2 kw sets; under contract 12890(9) states field rheostats become heated under test, causing injury to handles; recommends handles be replaced and insulation be installed from binding post to rheostat. To Tel.W.T.Co. Desire replacement 1/20.	
29510	1/19	United W.T.Co	Requests date of opening of bids on 5 and 2 kw W.T. Sets? To -no date set as yet 1/21	
29538	1/19	National Elec.Sig.Co	Quotes on small dial resistances for taking shunt readings.	
29598	1/19	Rawles Cobb Co.	Fwds catalog, of mnfgd. by W.J.Murdock Co. To - acks. 1/21	
29591	1/20	Clapp & Eastham	Fwds catalog on. To - acks. 1/21	
29553	1/20	To Pug Sd	OREGON: directs low frequency sets be assembled for	323--6
29945	1/25	TO Nat. Elec.Sig.Co	Understands large part of technical staff has severed connection with Company; asks if will affect delivery on outstanding contracts.	

FILE No.		From or To— (Dated)	Subject.	
28105	12/31	No.American.W.T.Corp.	Quotes price on 42 sets To -- Ack.1/6.	
28273	12/27 12/29	C.O. Dept	PATAPSCO: repairs, requests	334--6
28352	1/5	Kullman, PC.	Requests to be informed of total amount expended for year 1910. To. -- $493,000. 1/7.	
28184	12/31	N.Y. GSK6795	Paulsen Singing Arc Sets: reports 4 in store To -- Req.survey.1/7 R.B.1/18	
28612	1/3	NY 855-705-114	Under contracts 12899, 13549, 13525, 12874, 13422, 13551: relative to tests & dels. To -- Requirements 1/10. To--Calls attention to previous letter.12/9.	
28770	1/7	NY 926-2-3	Fwds prints	
28845	1/11	NYS	ARKANSAS: omission of: fwds estimates	121--6
28852	12/29	Norf.	ROE: reports actual cost of installation	381--6
28922	1/12	TO Clapp & Eastman, and Rawles, Cobb Co.	Requests catalog	
28919	1/12	To CO.	ROE: directs description of be filled out and sent to Bureau	381--6
28918	1/12	To C.O.	PAULDING: do	337--6
29014	1/13	NYS	ARKANSAS: omission of: change in cost	121--6
29169	1/16	TO NY	Regn.83; fwds copies covering 2 kw sets for the JUPITER: NEPTUNE: AMMEN: TRIPPE: MONAGHAN: WALKE: PATTERSON:	
29179	1/16	TO NY	Regn. 189; fwds copy covering 2 kw sets for DENV R: GALVESTON: CHATTANOOGA: CLEVELAND: TACOMA: DES MOINES:	
29279	1/16	NY.	KEY WEST STA: rel kind of outfit to be supplied.	817

APPROPRIATION, wireless. (also see Bldgs, W.T.) 1

1912

Number.	Date.	From or To—	Subject.	
48553	9/13	To Dept	APPRO: Reqt addition of $1000,000 E of V. for erection of high powered wireless sta. at various points	604
50311	10/5	Dept	Appro. Bill 1913, returns estimates for revision, cut out $1000000 for shore stations Pacific.	604
60894	2/10	To Dept	Appro. H.P.stations, House Committee on Naval Affairs state extimates should be forwarded through Secy Treasury.	604
62825	3/5	Com. Nav.Affairs	APPRO: specfs of $1000000 for, reqt data on land intended to be purchased, location, and details of expenditures.	604
64239	3/21	House Com. Nav. Aff.	Appro. $1000000 for wireless, reqt itenized estimate be submitted	604
70679	6/8	To S&A	ADMINISTRATION: reqt sufficient information to approx. how much of appro. is expended for radio on coast & ships. etcs.	600--4
			1913.	
110987	11/22	To Dept	Estimates, Bu. equipment-radio stations; requests that "To continue the establishment of HP radio stations as provided and Act appd. Aug.22, 1912, $400,000 to be available until expended"	604
111241	11/25	Dept	Supplementary estimate for HP radio stations, objects to making supplementary estimate $500,000, requests statement of amounts already expended under original appro. of $400,000.	604

NB—0120

N.S.E. Form 134.

APPROPRIATIONS, RADIO.

Number.	Date.	From or To—	Subject.	
113605	12/23	Y&D	Recommends that additional appropriation of $350,000 for work on high powered stations, be included in present bill, summerizes expenditures made under allotment of $1,000,000.	604
		1914		
116022	1/26	Memo to Secretary	High-powered radio stations. Recommends effort be made to secure legislation increasing amount authorized to $1,500,000 also omission of Samoan STATION.	604
		1916		
174957	1/5	To Yards	Outline of radio work, 1917-1918; reqt list of items that will require expenditures of over $500 with estimates for cost and time	604
207964	10/4	Managua	Gasoline for radio plant; asks what appro chargeable	858
441985	8/26	Phila	Recs that Dept issue orders that when vessels placed out of commission that gyro compass instruments, fire control equip and instruments be removed and turned in to store.	774

NB—0120

[OVER.]

ARMATURE see generating sets, MOTORS & GENERATORS.

FILE No.	From or To— (Dated)	Subject.	

NB—0120

AUDIBILITY BOXES.

see RECEIVING & SENDING SETS.

1913

Number.	Date.	From or To—	Subject.	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

1922

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
652646	12/9	To The Wireless Spec.	Co- The radio compassstans of Boston Harbor entrance group are available at any time- if Representatives desires to avail themselves of this previlege W Reqsts inform Wireless Spec.Appr.Co 12/16 W To Boston- gives instrns cc Wireless spec. apparatus Co 12/27 To Wireless Spec Appr Co - gives action taken cc Boston W 12/27
653806	12/15	Baston	Request copy of B.Washington's report on balancing or neutraliging wiring for reducing deviation at Compass Stations W Fwds Boston 1/5/23
654625	11/25 12/18	BROOKS US Fleet	Report on test of sound receiver and radio beacons off New York W

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
652795	12/23	To Washn	Telephone chokes- manufacture of- reqsts job order cc secy navy yard div. W K	
655134	12/30	To Emil J Simon	- Thanks for catalogue describing radio bacon transmitters and radio direction finders W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
645241	10/12	Aircrft Facty	Radiation a mmeters requested by aircraft squadrons not available- ask if can substitute another type. W.	
645412	10/12	Anacostia	Subm data on constance of type SE 4080 radio compass coil. W.	
645397	10/11	Chasn.	Suggest destroyer now en route to New Orln be assigned for calibration of Folly and North Islands compass stations. W.	
645543	10/10	Pug.Sd.	Fwds radio compass coil constance. W. Fwds CO Anacostia 10/27	
645686	8/26 9/7	Destry Sqd. 15 Asiatic Fleet.	Subm table of U.S. and foreign stations kept incconn with times and dates. W. Fwds Dir Commns 11/6 RB 11/25 W	

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DIRECTION FINDERS

1922

Number.	Date.	From or To—	Subject.	
646094	10/18	Naval Intelligence	Submit report from Lt. Comdr Comfort on radio compass installation abroad PW	652
646566	10/16	Pac Fleet	Copy letter to Destroyer Squadron for improvement in radio compass. W	
647420	10/20	Hiram W. Johnson Jr.	Have Kalster Compass and position finder at Federal telegraph Co ready to be turned over for test W To C-i-C Pac. Fleet- Gives Action taken 10/31 To MI- Gives instrns 10/31 To Hiram W Johnson Jr- Reqsts plans 10/31 Pac Fleet 11/7 Copy action M.I. W Pac Fleet 11/7 Copy action CO NEW MEXICO W Federal Telegraph Co 11/10 Rqsts matter be held up temporarily W M.I. 11/16 Copy action to Pac Fleet W To Fed Tel Co- 11/22	

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Number.	Date.	From or To—	Subject.
650224	11/15	Federal Teleg Corpn.	Fwds charts and disposition made covering Dr. Kolstens radio compass and position finder W
649421	11/18	To Washington	Telephone choke coils for radio compass W Wash 12/12 Submits estimate covering cost of frequency transmitter W
650768	11/25	To Comdts Yards listed-Fleets	Fwds plans- radio compasses on both ship and shore stations W
651769	12/2z	To Great Lakes	Radio school- plans for Fwded W

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DIRECTION FINDERS

1922

Number.	Date.	From or To—	Subject.	
			Theodolite	
651770	12/4	To S&A 1644	Reqst shipment of calibration from NY to CO Anacostia W Theodolite RB 1/18/23 W	
			To S&A Reqst shipment of calibration from NY to SOWashn 1643 12/4 Theodolite	
			To S&A Reqst shipment of calibrations from NY To SO MI 1631 12/2	
			To S&A Reqst s ipment of theodolite from NY to SO Norf 1626 12/2 Theodolite	
			To S&A Reqst shipment of calibration from NY to SO Chasn 1627 12/2	
			To S&A Reqst shipment of calibration from NY to SOKey West W 1628	
			To S&A Reqst shipment of theodolite from Y to N O 1629 12/2	
			n	
			To S&A Reqst shipment of theodolite from NY to Great lakes 1630 12/2 RB 1/4/23 W	
			To NY- assignment of theodolite 12/6	
650888	12/6	To Phila	Design problem- design of radio compass for submarines- Fwds sketch W	
652879	12/7	3rd District	Radio compass report for November W	

Number.	Date.	From or To—	Subject.
646907	10/28	To CO Anacostia	Instln aboard LANGLEY- Fwds recomdns W Anacostia 12/11 Fwds special report covering compass instln on board LANGLEY W
646908	10/28	To CO LANGLEY	Radio compass bulletins- Fwds W CO LANGLEY 11/6 Radio compass bulletins received W
648247	11/3	3d Dist.	Fwds radio compass report for October.W.
649328	11/7	12th District	Fwds report for month of October W
649370	11/11	Hydrographic Office	Fwds correspondence in connection with radio compass bearings received by Steam Ship San Pablo W Fwds Navign 11/17

DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
649993	11/16 11/17	War Dept Dept	F ds letter from K.A.Kretschgnar requesting radio compass and invention be tried out on some Naval vessel To K A Kretsch ar- Reqsts description of compass cc Dept 11/25 Fwds Aero. 12/4
650086	11/13	Pac Fleet 132-6 131-6	Copy letter Battleship squadron 4 submits report on radio compasses calling attention of excellent results obtained by TEXAS and poor results of NEW YORK W
650086	11/13	Pac Fleet	Copy letter Air Craft Squadron submitting comments on results and use of radio compasses W
650196	11/17	Naval Intelligence	English publication of technique on direction finding wireless telegraphy 1921 W

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DIRECTION FINDERS

1922

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Number.	Date.	From or To—	Subject.
643277	10/4	To Operns	Research problem , destroyer for work cc Phila W
644287	9/26 10/4	PCCS Dept	Fwds reports and correspondence in conn with inacuracy of compass stations. W. Fwds Operns 10/18
644709	10/6 10/7	Boston Dept	Fwds beneficial suggestion by E. J. Pilkington for reduction of deviation at radio compass stations. W. Fwds Anacostia 10/12 W RB 11/4 W Anacostia- 11/2 W Fwds Dept 11/8 RB 11/18 W
644334	10/6	To Norf	Radio compass USS LANGLEY- If calibration has been unsuccessful, recomdns are desired concerning solution of difficulties W Norf- Gives calibration of radio compass on LANGLEY- 10/10 W Fwds USS LANGLEY 10/14 W RB 10/23 W To Aeronautics- Fwds photographs 10/14 W Bu Aeronautics-Returns photos 10/20 W Fwds C&R 11/7 RB 11/4 R

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[OVER.]

Number.	Date.	From or To—	Subject.	
641985	9/27	To Phila	Destroyer Radio Compass- Ask to be informed when problem will be ready for demonstration W Phila. 10/5 W. To Phila- Rqstd CHILDS be detaildd. 10/12 W Phila. 10/11 W	
643760	9/30	Dept	Copy of letter to PCCS fwding copies of correspondence rel to test of Kolster direction finder- radio beacon - by light house tender SEQUOIA. W.	
643868	10/2	Mine Sqd. 1	Subm chart cov radio compass test. W. Fwds Navign via Dir Comm 1/18 RB 10/27 W	
644045	10/3	Atl.Destry Sqd. 1	Subm report of radio compass test using 500 Watt AC tube set. W.	
645116	10/11	3d Dist	Fwds radio compass report for month of Sept. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
639849	8/29	Phila.	Fwds prints showing manufg tables for 2 types of portable and collapsable compass coil frames. W. To Phila- Fwds print 10/4
639919	9/8	To Navigation (Hydrographic Office)	Reports of Shore Radio Compass Stations as Radio Beacons. W cc Comm Dept of Commerce, Nav.
518313	FROM CARD 143		Atl. Battleship Force- report from CO ROCHESTER 9/5 W Fwds Navign 10/7 RB 10/13 W

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
640969	7/18 7/28	CO BROOKS Sqd. 14	Report on radio compass bearings for month of June. W.	
640963	8/11	Cavite	Request radio compass bulletin issued 7/1 -19 be furn. W. To Cavite- Fwds cc Radio compass bulletin 9/15	
641122	9/7	12th Dist-	Radio compass report for month of August. W	
641631	9/20	To Phila	Radio coil systems- shipment of reqsts Comments cc C-I-C Pac- Atl Fleets- Boston NY- Pug Snd W Phila. 10/9 W.	
643065	9/18 9;25	Atl.Destroyer Atl.Batlshp Force	Subm data on operation of radio compass. W	

DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
626213	FROM CARD 145		Destry Sqd. 15- Fwds data. 7/22 W Europ Forces.8/16 W. Communications- Request copy of data. 9/20 W. Fwds Dir Commns 9/23 RB 9/30 W Fwds Dir Commns 9/27 RB 10/2/22 W To Dir Comm- Fwds cc let from CO 9/28 10/3 CO POPE- Report on test made by Sqd. 15- from Singapore to Chefoo, China. ? W. Fwds Dir Commns 11/7 RB 11/11 W	
637798	8/18	To Washn	Radio compass plans receivers- Reqsts print cc NY W Washington 8/30 W	
638340	7/11 8/9	Destry Sqd. 15 European Forces	Fwds summary of radio compass bearings. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
638523	8/15	Pug.Sd.	Fwds radio compass report from Ocean Park station. W.	
638576	8/16	Pug.Sd.	Fwds calibration curve Ft. Stevens compass station. W.	
638672	8/21	Hydrographic Off.	Fwds copy of letter from FLORIDIAN rel to unusual compass bearing observed. W.	
638329	7/19	War Dept	Claim of Dr. J. Robinson covg use of direction finding sys description in British patent #134560 Request information in conn with W	896-1
639461	8/21	Pug.Sd.	Fwds radio compass calibration curves for EMPIRE STATE. W.	

Number.	Date.	From or To—	Subject.	
636455	8/4	Boston	Request design and specifications of radio frequency filters for radio compas be fwded. W To Boston- design and specons 8/12	
637067	8/10	Communications	FWDS report from CO TOUCEY on radio compass bearings obtained en route to N.Y. W Fwds Dir Commns 8/17	
637187	?	Naval Intelligence	Brief history of early development of radio goneometry or direction finder.	W
637267	7/31	Naval Intelligence	Fwds publication entitled "Der Funker" rel to radio apparatus P	
637344	8/7	12th Dist.	Subm radio compass report for July. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
637781	8/14	Signal Corps	Request of report of results obtained by radio compass installed on destroyers of Pacf Fleet. W	727-1
637625	8/10	Battleship Force	Subm reports on bearings obtained by shore radio compass station. W	919-1
637924	8/16	N. W	Report on inspection of radio compass instlns on destroyers listed. W. To NY-- Standardization of Radio compass equipment on- cc CO's MCFARLAND OVERTON STURTEVANT REUBEN W 8/26	
638125	8/5 8/15	CO WYOMING Atl. Fleet	Report on test with radio beacons located in N.Y. harbor. W. Fwds of rns via Dir Commns 8/25 RB 8/30 W.	
638044	8/11 8/14	H. Woodhouse Dept	Rel to Navy supplying Capt. Amundsen with a radio direction finder. W. (Asst Sec sig To Henry Woodhouse- gives action taken fel direction finder W 8/21	

Number.	Date.	From or To—	Subject.	
634853	7/25	Hydrographic Office	States conference with Bureau at Light Houses will be held re radio fog signals on light vessels. Also use of radio compass on board ship AW	678
635352	7/28	Naval Intelligence	Table for correcting radio bearings by Capt. K. Macdonald- ask if Bureau is interested. W. Memo for Office of Naval Intelligence- Reqsts cc of publication of tables 8/2 Naval Intelligence- Fwds table for correcting radio bearings. 10/2 W Fwds Navign 10/7	
635550	7/28	Phila.	Fwds special report on super range vapor air condenser. W. 882-1 To Phila- Ask cost of manufacture of condenser 8/12 Phila 9/13 W. Phila- Cost of manufg. of condenser. 9/18 W. To Phila- Reqsts print 9/25 Phila- 11/1/22 W	
635582	7/20 7/29	Pacf. Fleet Communications	Fwds correspondence in corn with radio compass bearings recd from shore radio stations. W Fwds Dir Commns 8/3	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
635625	7/31	Hydrographic Off.	Fwds report of operations received by SC NIETO de LARRIAGA W. Fwds Dir commns 8/11
635935	8/2	3d Dist.	Fwds radio compass report for July. W
636107	8/1	Anacostia	Comments on means of reducing capacity effects of operators body on radio compass. W Anacostia 8/16 Will proceed with test W To S&A - gives instrns rel check 5/3/23 To CO Anacostia- Gives Action taken rel reduction of Deviations at Radio Station 9/27 Anacostia 10/25 Fwds sketch and specns covering choke coils W
635165	8/4	To Washn	Radio compass- Model DB equipment. Reqst Phila be furnished with copies of plans listed cc Phila W Washn- Fwds prints of model DB radio compass receiving equipt to Phila. 8/17 W
636337	7/25 8/29	13th Dist. Pacf. Fleet	Comments on unsatisf service furn by RC stations 13th Dist. established by Tatoosh stations due to shortage of personnel. W Fwds Pug Snd 8/12 RB 8/28. W To Pug Snd- Reqsts estimate be submitted 9/20 Pug. Sd./ Subm estimates, cov material and instln at Tatoosh. 10/27 W. To Pug Snd- Recomdns ~~sati~~ not satisfy comments on 11/21

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Number.	Date.	From or To—	Subject.	
621373	From card	143	Fwds S&A rel depart of commerce Request for loan of radio compass receiver W S&A- Copy action to Washington 9/5 W	
634760	7/25	Norfolk	Fwds prints & spec report on radio compass calibration & check cruise W	

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Number.	Date.	From or To—	Subject.	
634794	7/21	Pug Sd	Fwds radio compass report from various destroyers W	
635087	7/27	Exp. Sta.	Fwds sonic range finder specifications. W.	
635053	7/27	Communications	Fwds report from Pacf. Battleship Sqd. 4 rel to radio compass bearings recd from shore stations. W: Fwds Dir comms 8/4	
634829	7/25	Hydragrapher OFFICE	Fwds report of radio compass bearings received by French Steamship Texas from Frisco light ship W	

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DIRECTION FINDER 1922

Number.	Date.	From or To—	Subject.	
628883	6/20	Dept	Copy of letter to Dept of Commerce stating cannot recommend use of bearings obtained by radio compass on board ship for fitting a ships position W	
629352	6/24	To Y&D	Improvement at Radio Compass Stations 13 Nav Dist. WK	
630426	6/28	Norf.	Maximum reading type of radio compass-subm report. W. Fwds CO Anacostia 7/17 RB 7/26 W To Norf- proposed maximum reading type of radio compass 8/5	
630407	6/24	SHAWMUTT	Fwds result of testing bearings from radio compass stations en route Delaware Capes and Rockford. Fwds tracing. W. To CO USS SHAWMUTT- Fwds blprints 7/15 W Fwds Nav Communications 9/6 W	

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Number.	Date.	From or To—	Subject.	
631262	7/5	3d Dist.	Fwds radio compass report for June. W	
631505	7/6	Boston	Bar Harbor, Portland, Surfside- fwds calibration curves. W.	
632202	7/6	12th Dist.	Fwds radio compass report for June. W.	
632545	7/13	Hydrographic Off.	Report from Admiral Evans on accurate bearings recd from Hintchinbrook Comp Sta. W	
632655	7/13	3d Dist.	Fwds correction of radio compass report for May. W.	

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Number.	Date.	From or To—	Subject.
586640	from card 129		To Patent Office Fwds application papers with plans - W G Ellis covering improvements in "Radio recg Systems" W 6/8 To W G Ellis - Fwds instrument 7/12 W To W G Ellis- Fwds instrument 1/6 To Dept J. A. G- Fwds copies of license 1/4/23 RB 1/29 W To W G Ellis - Fwds license 2/2/23
9 614582	From card 140		To Sec of War (Asst Sec Sig) Reqst inform rel instruments W 6/6 War Dept- Theodolites can be transferred to Navy. 7/5 W. (Sec Sig) To Secy War- Rqsts statemt of cost 7/25 W War Dept- Gives packing charges . 8/10 W Fwds S&A cc NY 8/22 RB 8/25 W Fwds S&A 9/8 W N.Y.- 15 theodolites recd.10/31 W To S&A Reqst shipment of calibration from NY to Sc Boston 1510 11/16 RB 1/12/23 W To S&A Reqst shipment of theodolites from NY to SC Phila 1509 11/16

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Number.	Date.	From or To—	Subject.	
628640	6/13	Pac Fleet	Copy of letter to Air Sgn rel to Radio compass monthly report W	
628713	6/14	12th Dist	Radio compass report for month of May W	
628816	6/16	Phila	Fwds comments on report of bearing obtained from shore compass stations by MARYLAND W	
628870	6/16 6/19	Dept Communications	Radio aides to Navigation rel to proper location of radio compasses W	

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DIRECTION FINDER 1922

Number.	Date.	From or To—	Subject.
624985	5/25	To Boston	Radio Compass Information regarding compass bearings used by EAGLE vessel recently grounded on long Island W To NY-- Reqst Inform as to what svc was given EAGLE 5/25 N.Y.- Report on services rendered by Eagle 17. 6/6 W. Boston- 6/2- W.
625870	5/29	Atl·Destry Sqd· 14	Subm report of radio compass bearings recd by KING. W.
625072	5/29	To Navign	sound apparatus information regarding comparative efficiencies of apparatus for aide to navign W To Sub Sig Co comments cc Navign Dir Commn 6/8
625868	6/2	To Warren D Graham Co	neccy for sample to be submitted W
625494	6/2	To Efficiency Trading Co	Dept has no radio compass for sale W

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DIRECTION FINDER 1922

Number.	Date.	From or To—	Subject.	
626768	6;3	3d Dist:	Fwds radio compass report for May. W	
626855	6/5	Atl. Destry	Instrns cov submission of report of checking bearings on radio beacons established by Dept of Commerce off entrance to N.Y. Harbor. W.	
626215	6/6	To NY 772	Radio compass mat for navy exhibit at the Brazilian centennial exposition W	
FWD TO CARD 148			N.Y.- States repairs nec to relief map of N.Y. Harbor. 7/5 W.	
			To CO-- rel shipment of material cc C-1- C Atlantic Fleet- NY- S&A W	
			To New York- Desires work be done at once 7/12 W	
			To New York- T Addtl July allot $300 Eng 7/11 K c	
626032	6/6	To Navign	Use of by vessels in trans-atlantic routes making Grand banks and nantucket lightvessels Gives comments W	
626213	6/7	To Atlantic Fleet 493	Radio compass and sound tests desirable to be undertaken by Destroyers while on route to European and Asiatic Stations cc Atlantic Fleet- Operns W	
TO CARD 152			Atl Des 6/10 Copy of action to Sqn 15 & Div 39 W	
			Des Sqn 15; 6/14 Recommendations covg data for instructing radio personnel W	
			Des Sqn 15; 7/10 W	
			To Des Squad 15- Ack receipt of report cc Dir commn 8/5	
			Fwds dir comm 8/8 RB 9/15 W	

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Number.	Date.	From or To—	Subject.
622223	4/25	Atl·Mine Sqd.	Request radio compass bulletins listed be furn. W. To Pacific Fleet Squad-2 Fwds copies of Bulletins W 5/13
622132	5/9	To CO Anacostia	Assignment of Radio Research Problem Gives inform rel work W
622770	5/5	12th Dist;	Request communication service, radio compass, report forms. W.
623041	5/13	To CO Anacostia	Fwds prints Radio Research Problem N No 98 A Radio compass coil constants W
623765	5 /16	Phila.	Ask if any test made in winding type SE1829 radio compass coil frame with #10 wire. W. Phila Fwds photos of proposed frames recommends use of #12 copper wire. 6/27 W. To Phila- R sts inform 7/3 W Phila 7/12 W To Comdt Phila- After test instrns should be prepared 7/19 W Phola- coils placed in proper cases 11/2 W

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DIRECTION FINDER 1922

Number.	Date.	From or To—	Subject.
624387	5/19	Queen Gray Co.	Request specifications cov remodeling radio compass receivers. W.
		CANCELLED= see 9657-706	
624814	5/22	Inspr Cramps	~~Request copies of radio compass manuals.~~ W. To Inspr machy Cramps Fwds Bulletins 5/31
625072	5/19 5/23	Submarine Signal Co. Hydrographic Off.	Request inform as to accuracy of submarine direction finder device as compared with radio compass. W. Submarine Signal Co 6/9 W
625268	5/23	W. C. Graham & Co.	Request specifications cov remodeling radio compass receivers. W.
625494	5/10 5/25	Efficiency Trading Co. S&A	Ask name of manufacturer of Kolster radio compass and position finder. W.
14780-515	5/19/22	N.Yd N.Y.--Eng	Radio Compass Station Establishment of in outlying possessions.

Number.	Date.	From or To—	Subject.
617586	4/13	To Washn via S&A	Condensers for Radio frequency filters on communication lines- Gives shipping instructions W
617999	4/13	To S&A 36	Reqst shipment of Driver from Washn to SO Anacostia W RB 8/1/22. W
618453	4/14	1st Dist. Copy	Gives dates of completion of calibration of compass stations listed. W.
618313	4/18	To C-I-C Atlantic Fleet	Report of Results obtained in Checking Bearings on Radio Beacons Established by the Dept of Commerce off Entrance to NY Harbor cc Operns- Atlantic W
TO CARD 153			Atl.Fleet- 5/23 W Battleship Force- Copy action to Dept 7/18 W Atlantic Fleet- fwds report from co TOUCEY. 8/8 W To Atl Fleet- Ack receipt of report 8/11
620569	4/19	Pacf.Fleet	Subm report on compass performance by vessels to be placed out of commission. W.

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
621373	4/26	Mare Isl.	Fwds request of Dept of Commerce Frisco a asking if Yard has radio apparatus for sale. W To Phila- Ask if coils available 5/6 Phila- Report on radio material. 5/11 W
	see card	149	To MI- Gives inform rel coils 5/16 Bureau Navgn' Dept Commerce- Request receivers be delivered to Custom House, S.F. 7/6 W Fwds S&A 7/12 W RB 7/15/22. W
621375	4/26	Mare Isl.	Request Bureau publications cov standard radio compass equipt for battle ships be fwded. W. To MI- Gives inform rel equipment 5/13
621397	4/27	Pug. Sd.	Fwds radio compass reports. W.
621416	4/29	Destry Sqd. 15	Sub m status of radio compass equipt. W.
622052	5/4	3d Dist-	Fwds radio compass reprt for April. W.

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Number.	Date.	From or To—	Subject.	
616257	4/5	To Comdts listed cross	Radio Compass-Special Instructions for Calibration- Gives Instrns W To New York- Method of checking accuracy 4/15 W Phila 6/14 Spec radio report Fwds W Boston- Fwds calibration data. 6/26 W.	
615828	4/5	To Dir of Naval Commns	919-55 66 65 Radio Compass Stations- Commissioning of Whitefish Point, Detour Point and Grand Marais Gives Action taken W	
616692	4/5	To CO Anacostia	Radio Compass-Radio Research Problem 124-C Causes of Deviation- gives inform rel work W	
616693	4/6	To CO Anacostia	Destroyer Radio Compass- Problem 116-C Cancellation of -Reqst data W To Phila- Gives Instrns 4/6 Anacostia 4/10 W Phila- Request another receiver be furn.5/9 W Phila- request 6 step amplifier be furn.5/11 W To Phila-- rel shipment of Amplifiers 5/23 To Phila- comments on report 1/20	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
579249	4/3	Washn.	Fwds specifications for radio compass coil - also drawings. W.	898
616685	4/7	To MI	Radio compass-Determination of Cause for changes in Diviations- Reqst data W MI- Copy action to compass stations. 4/17 W.	
616684	4/8	To Dir Comms	Radio compass Stations-Restriction of working Sectors- Gives instrns W. RR 4/13 W. To Dir Comms- submits list of shore stations on Atlantic showing the working sectors to which stations shld be restricted W 12/5	
61 590283	FROM CARD	130	CO CRAVEN9 Returns radio compass bulletins 4/10 W. CO MCKEE 4/20 W.	

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Number.	Date.	From or To—	Subject.	
611203	FROM CARD 139		Phila- project will be completed before 7/1. 3/27 W Phila- Fwds radio compass prints. 4/4 W Phila- Request requisitions be approved at once. 5/8 W. Fwds S&A cc Phila 5/12 To Phila (T) Job order covg manufacture type coils 3/26/23 Phila - (T) - Compass coils manufd under job order Y3375-Z-3;carried in APA at $320.60 3/27 W	
616828 card 142				
615878	3/30	To CO Anacostia	Radio Research Problem No 77 A Investigation of the Effect of Buried Conductors on Calibration of Radio Compass Stations- -Reqst same be stricken from list W	
615879	3/30	To CO Anacostia	Radio Research Prob No 104A- Investigation of Ground system for Radio Compass Station -Reqst same be stricken from list W	
616557	3/24	Pensacola	Comments of Lt. Cdr. H. Dodd and Cdr. H. W. McCormack rel to use of direction finders in Grand Fleet W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
601559	fwd from card 134		To Washn- Auth manu of listed items. 4/4 W Washn- Gives job order numbers. 4/6 W. Washn- Gives date of completion of job orders. 4/19 W. Washn- Reqsts estimate be submitted 8/5 Washington 8/24 W To Comdt Washn- Changes to be made without addtl expense 8/31 W Washington- Request authority to draw 10 condenser units from store. 11/1 W To Washn- method appvd 11/23	
616254	4/4	To Comdr Wash	Radio compass tuning units estimates cov cost of manu of Radio Tele W	
616692 card 142				
617120	4/5	Phila.	Fwds bulletin #2 on radio compass theory W.	
617168	4/5	3d Dist.	Fwds radio compass report for March. W.	

DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
613488	3/13	c CO KENNEDY Copy	Completed calibration 11thdist, compass stations. W.
613478	2/27 3/13	Boston Dept	Correspondence and notes on calibrations of radio compass in first dist. fwds. W. To Boston- Gives Action taken 4/19
613566	3/9	Pug Sd.	Compilation of calibration data for compass station - recommends obly one curve be required. W. To Pug Snd Gives instrns4/7 Pug Sd. Fwds calibration curves of Soap Stone Point. 58/1 W. s
614244	3/13	MI	Request radio compass bulletins be fwded. W. To MI Fwds cc Bulletins 3/23
614508	3/15	MI	Fwds deviation curves for radio compass on GAMBLE RAMSEY BREEZE & GILLIS. W.

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
615078	3/23	Communications 610	Fwds samples of proposed form for radio compass reports- request be printed. W.
615271	3/23	Dept	Copy of telegram to Atl. Destry detailing FLUSSER & CASE for radio compass calibration. W
614582 SEE CARD 146	3/23	To War Dept (Asst Sec Sig) Cross	U S Naval Radio Compass Stations, Calibration of-Transfer of Transits from War Department for- use of Navy Dept Gives instrns W War Dept- 10 theodolites available at Norf. Army Base for transfer to Navy. 3/31 W To Norf- Gives Instrns rel instruments 4/11 To Norf- 5/11 RB 5/16 W Norf 5/15 Recommends Theodolites be not used for radio compass calibration W
615021	3/27	To Washington	Radio Compass tuning condenser and compensating loading condenser-Appvl of plans W

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DIRECTION FINDERS . SHIPS 1922

Number.	Date.	From or To—	Subject.
610310	2/10 2/13	M. wB West 9th Dist.	Suggestions for elimination of use of compensating condenser nd effects caused by changes in capacity of coil system at radio compass stations. W. Fwd CO Anacostia 3/4 RB 3/20 with recommendations. W. Fwds Phila 3/29 RB 4/11 W F ds 9th Nav Dist 4/15 W RB 5/8/22. W. ~~Na 9th Dist-~~ Copy action to Great Lakes 4/26 W. To 9 Dist- Fwds extract on Radio Compass Theory W 5/16
611203 CARD 141	2/21	Phila.	Design problem 169-A cov battleship radio compass-fwds prints. W. To Phila plans and specens appvd with comments 3/10 To Phila- allotment made 3/15
610898	2;23	To Boston Yd SO	#9747 - reqt shipment of receivers from Boston to S.O.Washn-W RB 5/26/22. W.
611532	2/23	Pug.Sd.	Fwds radio compass reports, Destrys 302-307- inclusive. W.
611886	2/24	MI	DENT & RADFORD - fwds radio compass deviation curves. W

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Number.	Date.	From or To—	Subject.	
612021	3/2	N.Y.	Radio compass bulletins have not yet been recd by Yard fwding from Virgin Island.	W
611744	3/4	To C. Anacostia	Fwds for comment article on "An Automatic Re-tuning Condenser" W RB 3/23 W. Anacostia- 3/16 Fwds special report on automatic retubing condensers. 3/16 W. Fwds Phila 3/30 RB 4/14 W. RB 5/6. W. To Norf- Automatic Retuning Condenser- cc CO Anacostia- Phila 5/13	
612736	3/7	N.Y.	Request true geographical location of compass stations be furn. W.	
611746	3/4	To S&A 9809	Reqst shipment of Receiver from Washn to Bu Standards W To S&A Reqst shipment of Receiver from SO Washn SO Anacostia 9807 3/4 RB 4/13/23 W	
612852	3/7	Anacostia	Request all shore stations be equipt with equipment for bonding continuous waves.	W.

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
609002	2/11	To Dir Communications	Reqst reports be submittedW	
609004	2/11	To Washington 704	Reqsts 100 copies of form be furnished to Coast Guard, Washington for distribution cc Washington W M	
609528	2/9	Mare Isl.	Fwds report on calibration of radio compass on TATTNALL & JACOB JONES. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
609587	2/13	Boston	Request auth to ship compass receiver type SE 1440-A to Washington,-unsuitable. W. will issue shipment orders-will be necessary to remodel receivers now in service-2;24-W	
609005	2/11	To CO Anacostia	~~Reqsts D H Shallcross be permitted to take radio compass receivers from compass station - to Phila for experimental work W~~	
607440	2/9	Anacostia	Comments on redesign of 1440 radio compass receiver. W	909
610194	2/17	C&R	~~Radio compass house for battleships battle cruisers and large vessels- fwds prints with comments on. D.~~ To C&R-submits comments itemized-2;28-W	

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Number.	Date.	From or To—	Subject.	
608180	1/31	Pug. Snd.	Location of batteries for radio compass instlns on destrys- request instrns cov. W. To Pug Snd- instrn authd 2/16	
607500	2/4	To Norf	Reqst latest revision of plans W Norf- Subm report on check cruise with recommendations of compass stations in 5th Dist. 2/17 W	
608470	2/6	3 Dist.	Fwds monthly report of compass activities. W	
608630	2/6	5th Dist.	Fwds radio compass report month ending 1/31. W	
608612	2/4	Anacostia	Test of remodeled type SE 1440 radio compass receiver- report cov. W.	

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DIRECTION FINDERS ,1922

Number.	Date.	From or To—	Subject.
608819	2/7	Anacostia	Instrns for measurement of coils constance- calls attn to ambiguity in. W.
608342	2/10	To Dir Intelligence	Reqst inform re use of radio compasses or direction finders W Naval Intelligence No radio compass installed on ~~yard~~ aircrft in Italy.3/31 W. Naval Intelligence- Radio compass staion in Italy- report on. 3/31. W. Naval Intelligence- experiments on radio compass still being tried out in British Navy. 7/8 W. Naval Intelligence- report from Naval attache Rome: 7/13 W.
TO CARD 148			
609362	2/7	MI	Naval Intelligence-Was copy filed from Report on calibration of radio compass on TWIGGS BABBITT and BADGER. W
609003	2/14	To Ordn	Submarine Communication cable- Ask if can return amount listed W Ordn- Ask what appropriation is chargeable. 3/2 W Ordn- 4/8 W To Ordn- Gives Inform 4/11 Ordn- 4/25 W. To O-I-C Alexandria Gives inform rel cable cc Washn- Ordn 4/29 To Ordn- Allotment made 5/13

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
605881	1/4 1/17	Mine Sqd. 2 Pacf.Fleet	Subm monthly report on radio compass installed on destroyers listed.W. To C-I-C Pacific Fleet- Gives inform rel in stallation cc Comdr Squad 2 2/2
604898	1/25	Fwd Washington	Radio compass reports W
607111	1/20 1/30	CO KANAWHA Communications	Subm report on radio compass bearings recd.W
605191	1/27	To C-I-C Atl -Pacific-Fleets- Comdts Yards-Dir Comms Hydrographic Office	Radio Compass and Sound Test Frds report W
607500 card 137			
606541	2/1	To CO Anacostia	Compass for small planes-Reqst design of be completedand plans and estimates be submitted W
605001??			Phila 4/19 W To Phila- Allotment made 5/2

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
595663	FROM CARD 132		Phila. 2/1 W/ Boston- Comments on. 2/6 W. MI- Fwds report 2/14 W. Phila- Fwds report on investigation of cost for changes in deviation curves at radio compass station. 3/8 W. Phila- Fwds report on investigation of causes for changes in deviation curves at compass stations. 3/21 W Phila- Fwds sketch with comments and estimates cov instln of radio frequency traps. 6/1 W To Phila- projects listed authd cc CO 8/18
607579	1/26 2/1	Phila. Dept Recorded	Fwds beneficial suggestions of W. D. Loghlin cov device for marking true bearing. W Fwds Dept 5/6 RB 5/15 approving payment of $100. award. W
608144	1/20	14th Dist.	Request complete radio compass instlns plans be fwded. D.
608147	1/31	CO BRIDGE	Request set of radio compass bulletins be furn. W. To CO Fwds Bulletins 2/10

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Number.	Date.	From or To—	Subject.	
602581	12/3 12/30	5th Dist. Communications	Fwds comments of 1st, 3d and 4th Dist rel to accuracy of bearings furn to battle-ships during November. W.	
602752	12/29	Pug. Sd.	Fwds calibration data Destrys 266-7-8	W
603121	12/31	CO MAURY	Report on radio compass equipt. W.	
603543	1/6	Communications	Fwds report of compass bearings furn by Steamship NEW YORK. W	
603910	1/6	Pug. Sd.	Fwds radio compass report on. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
603673	1/11	To Norf	Improved type of Indicator for Radio Compass Scale W	
604160	1/11	Boston	Effect of cables from deviation of radio compass - fwds curves and chart with comments on. W	
604201	1/12	Communications	Fwds report of radio compass bearings furn by WEST HARMONA. W.	
605075	1/16	Communications	Reprt on radio compass bearings furn DELONG by various stations. W.	
605312	1/18	Washn.	Fwds vandyke showing wiring diagram of radio compass receiver. W.	

DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
601038	12/13	Pug. Sd.	radio room on destroyers - request instrns cov. W. To Pug Snd- instln will be authd at time material is available 12/31	
600785	12/21	To Phila	Reqst Radio Compass Bulletins be forwarded W Phila- Fwds radio compass bulletin. 12/27 W	
601768	12/22	Anacostia	Suggestions cov changes in prints of SE-41080, radio compass. W.	
601757	12/19	MIsl.	Fwds report of calibration of radio compass on board RAPAHANNOCK. W	
600368	12/23	To Pug Snd	Reqst be furnished with v ndyke Semi Portable Radio Compass ouse W. Pug. Sd.-3Semi-portable radio compass house for NEW MEXICO- fwds print. 1/12 W 554-6	

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
601978	12/19	C. O. Wood	Fwds copy of radio compass detection curve. W To Washn Reqst WOOD be supplied copies of Form 1/6	
602136	12/27	Phila.	Fwds special report cov long wave shore radio compass. W. To Phila- Reqst complete data 3/31 Phila- Lists reports fwded 4/18 W.	
601558	12/27	To Washington	Radio Compass Design Problem No 153-A SE 1440 Receiver-- comments on W Washn- Subm estimates. 2/1 W Washn- Fwds drawings and instrns on receivers. 4/7 W.	
601559 TO CARD 141	12/27	To Washington	Reqst inform regarding estimated date of completion of problem and an estimated covering the cost of manufacturing fifty of each of the units Fwds sketch W Fwd Director Commns 1/7/22 Washn. 2/3 W. Washn-Subm estimates. 2/28 W. To Washn- Estimates authd 3/21 Washn- Fwds drawing of radio compass tuning unit 3/22W	
602555	12/22 12/30	Pacf. Fleet Communications	Subm report on radio compass bearings obtained by NEW MEXICO from San Francisco and San Pedro. W To C-1-C Pacific Fleet- report forwarded describing results obtained cc Dir Commns 1/6/22	

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DIRECTION FINDERS 1922 1922

Number.	Date.	From or To—	Subject.	
593902	FROM CARD 133		Phila- Request prints listed be fwded. 2/10W To Phila- Gives Inform 2/15 To Phila-2;21-W Phila- Subm estimates with recommendations. 4/6 W. To Phila- Standardization of Radio compass instln cc CO's ECLEISH SIMPSON MCCORMICK BULMER 4/12 N.Y.- Subm report with recommendations. 5/2 W To NY- neccy repairs authd cc CO'sREID OSBORNE BILLINGSLEY 5/6 N.Y.- Subm report and recommendations. 5/9 To NY- repairs and alterations cc CO's W HOPKINS LAWRENCE HULBERT PREBLE SICARD FRUITT 5/17 N.Y. Subm estimates. 5/26 W. To NY estimate appvd cc CO's SICARD LAWRENCE PREBLE HULBERT FRUITT HOPKINS N.Y.- Subm report on compass instln on HatFIELD & GILMER. 6/5/22/W.	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
596000	11/19	To Phila	Reqsts no further work be undertaken on problem listed and that it be stricken from list of problems assgd to Phila Yard W	
596651	11/4	Subm Div. 14	Recommends pamphlet cov theory, constructing, instln, and calbration of ship and shore compass equipment. W. To Div 14 Fwds Bulletins 12/13	
596892	11/18	Mare Isl.	Calibration of radio compass on CHEW WILLIAMS & HAZLEWOOD - fwds forms. W.	
597021	11/17	Pug.Sd.	Subm report on radio compass equipment installed on vessels listed. W.	
578779	11/17	Pug.Sd.	Recommendations rel tocalibration of cmpass on destroyers.	914
599344	11/22 12/5	AtlBatlshp Force Atl.Fleet	Fwds report on compass bearings taken by WYOMING & ARKANSAS. W. To C-in-C Atl Fleet - Submrts recomdn 12/13	

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
599352	11/25	R. Keen	Request copy of photo of illustration in journal of Institution of Radio Engineers to be inserted in book he is publishing. To-- Gives instrns rel photograph 12/21 KL Keen. 1/19 W. R Keen- Fwds publications. 10/22 W Marconi Works 2/20 Returns photographs. W To R Keen- gives inform rel box 3/20/23	W.
599644	11/18	Key West	Fwds reports from CO CALDWELL on checking of compass stations Jupiter and Key West. W. To Key West reqst condition of ground system be investigated and improved prior to next calibration 12/13 Key West- Fwds Key West and Jupiter calibration curves. 1/6 W	
599930	12/6	Pug. Sd.	Fwds radio aompass reports, various destroyers W	
599936	12/7	Pug. Sd.	Fwds compass reports on various destroyers. W	
593902	FROM CARD 132		Norf- subm estimates. 12/12 W Atl. Destry- Fwds reports. ~~W~~ 12/10 W. Atl. Destry- 12/12 W Atl. Fleet- Report from CO HALE 12/29. W Fwd C&R 12/31 RB 1/23 W To Atl Fleet- Gives Action 12/31 To Norf- Gives Action 1/4/22 To Operns- Reqst Action 1/5/22 Norf- Subm estimates. 1/11 W To Norf Estimate appvd 1/17 C&R 1/28 W. Pug. Sd.- Request supply radio aprs for compass equipt on board destroys. 1/26 W Phila. 2/2 W Dept Circ. 2/2 W To Pug Snd Estimate appvd 2/8 Phila- subm estimates 2/10 W	

CARD 133- A

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
593378	10/29	A. P. Brigham	Rqst info as to number of coast station called by a vessel desiring compass info W To Colgate University A P Brigham- Gives detld inform A. P. Brigham 11/14 W
593993	10;21	14th Dist.	Request copies of Bureau form rel to radio compass calibration. W. Fwd Washn 11/5
594004	11/2	Ship Board	Fwds radio compass bearings recd by LAKE ELLERSLIE W Fwd Dir commns 11/8
594217	11/3	Bur Stand.	Request copy of reports of test conducted on light vessels using Naval ship equipt with a direction finder. W To Director of Bu of Standards- Fwds cc of report of test 12/23
591994	11/3	To Fed Tel Co	thanks for inform describing the Kolster Radio Compass and position finder W
594660	11/1	Mare Isl.	Fwds calibration curves of radio compass on various destroyers. W.
593663 CARD 136	11/8 Boston- Fwds copies report from Bar harbor. 12/5 W. To Boston Gives instrns 12/22	To Phila	Determination of Causes for Change in Deviations observed at Radio Compass Stations WReqst Reqst report W ToBoston- MI- Reqst inform rel change 11/8 MI 11/23 W MI 1/9 W
593902 CARD 133	11/9 CO BELL 11/29 W N Y.-Lists compass apprs installed on board NOA & HULBERT 12/1 W Atl. Destry- Report on radio compass equipt on various destrys.12/2 W Atl. Destry- 12/7 W.	To Comdt's- Destrs	-Gives Radio compass equipment on destroyers and light mine layers Gives policy outlined and effective for all destroyers W To Des Squad Atl- Pacific- Asiatic Fleets- Gives inform- instrns rel 11/12 CO ISHERWOOD 11/22 W Atl Destry-fwds reports on vessels listed 12/5 W

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
595028	11/7	Phila.	Fwds special report on consideration pertinent to operating of radio compass equipt on large metal hull vessel. W.	876
594484	11/10	To Operns	improved design of type SE 1440 Radio compass Receiver Reqst detail of Destroyer for Test W	
595825	11/9	Mare Isl.	Calibration of radio compass on board SCHLEY & CHAMPLAIN - reports cov W.	
596472	11/12 11/18	Atl. Battleship Force Communications	Fwds reports from CO WYOMING rel to radio compass bearings. W. Fwd Dir Communications 11/30	
596501	11/10	MI	Request supply of compass forms be furn	W.
596001	11/19	To Phila RB 1/20/22—	Long Wave shore Radio compass Reqst inform rel W To PhilaReqst estimate be furnished 3/31	
595996	11/19	To Phila	Development of model radio compass turning unit- Reqst no further work be undertaken W	

Number.	Date.	From or To—	Subject.
591341	10/22	To Annapolis	Fwds cc Radio compass Bulletins W
			To 9 Dist. Fwds bulletins 10/22
		To Phila- Gives instns rel bulletins cc O-I- c Radio school Great lakes 10/25	
			9th Dist- 10/31 W
590281	FROM CARD 130		Washm. 10/24 W.
	Folly Island-10:26-W		6th Dist. 10/24 W.
	Cape Elizabeth-10;25-W		1st Dist. 10/24 W.
	Pensacola-10;27-W		6th Dist- 10/24 W.
	CO LANGLEY-10;28-W		4th Dist. 10/24 W.
	Ham Rds-10;27-W		Morehead City 10/24 W.
	Cape Hatteras-10;25-W		1st Dist 10/25 W.
	Pointers Hill-10;26-W		5th Dist/ 10/24 W.
	9th Dis-10;24-W		Manatoloking 10/25 W.
	Ports-10;25-W		7th Dist. 10/24 W.
	Norf-10;27 W		Key West 10/24 (2) W
	Grand Isl. -Comp Sta. 10/24W		Phila- 10/26 W.
	Cape Henlopen 8/27 W		Anacostia 10/25 W
	Atl Control Force-10;29-W		Fire Isl. 10/25 W
	CO MASON-10;29-		Key West 10/25 W
	CO PREBLE-10;29		Cape Lookout 10/22 W
	12th Dis-10;29		8th Dist. 10/24 W.
	CO TILGHMAN-10;29		9th Dist- 10/25 W.
	DCS 12th Dis-10;25-W OVER		Price's Neck Comp Sta. 10/24 W
	Fwds Washm 1/27 W		Fourth Cliff Comp Sta. 10/26 W.
592491	10/21	Mare Isl.	Calibration of radio compass on RAMSEY LAMBERTON WALKER & HAMILTON-Fwds forms. W.
591547	10/25	To Wireless improvement Co Reqst inform as to whether or not Yr company manfactured Radio compass equipment for a foreign govt - W S	
	To-- Reqsts cooperation 11/2		
	Wireless Imprvt Co. 11/5 W		Wireless Imprvt Co.- Inform rel to compass systems manufd. 10/26 W
			To Wireless Impvd Co- Mails rqstd letter 11/1 W
593601	10;31	Phila	Fwds special report relative to operation of radio compass equipment on large metal hull vessel.W

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919-DIRECTION FINDERS: 1921

Number.	Date.	From or To—	Subject.
593694	10;27	Pug Sd	Calibration of radio compass Des Div 23 fwds reports.W
590281	fwded	from otherside	CO OHIO-10;31-W
82		CO SAN FRANCISCO 11/1	CO PROMETHEUS-10;28-W
83		CO BRIDGEPORT 10/31	CO WRIGHT-10;31-W
		CO BALCH 10/31	CO WRIGHT-10;31-W
		CO ERICSSON 10/31 W.	Pac Trn-10;26-W
		CO BRANCH 10/31 W.	Pt Fermin Compass Station-10;26-W
		CO J. K. PAULDING 10/31 W	CO LEONADIS-10;31-W
		Atlantic Destry 10/31 W	CO HULBERT-10;29-W
		CO CASSIN 11/1 W	Highland Light Compass Station-10;27-W
		CO KALK 10/31 W	Deer Island Compass Station-10;28-W
		CO HOPEWELL 10/31 W	Point Reyes Compass Station-10;26-W
		CO PORTER 10/31 W.	CO STRINGHAM-10;31-W
		CO DIXIE 11/2 W	CO PARKER-10;29-W
		New Orleans. 10/27 W.	Fort Barry Compass Station-10;27-W
		CO STEWART 11/2 W.	Pensacola-10;28-W
		CO BLAKELY 10/31 W.	CO MANLY 10/29 W.
		CO KANSAS 11/1 W	Chasn. 10/26 W.
		CO BARRY 11/1 W	CO POPE 10/28 W.
		CO MCCOOK 11/1 W	CO NOA 10/29 W.
		CO NICHOLSON 10/31 W	CO SHAWMUTT 10/29 W
		CO LITTLE 10/31 W	CO HOPKINS 10/28 W.
		To Pensacola- Reqst inform as to Addnl copies will be put as the number available is limited 11/17	CO J.F TAIBOT 10/29 W.
		m Pacf.Destry. 12/10 W.	CO PAUL JONES 10/29 W
		Nav.Academy- 12/16 W.	13th Dist. 10/26 W.
		To Annapolis 12/21	Bar Harbor 10/27 W.
		9th Dist- 12/28 Rqst publications listed be furn	Point Hueneme Comp Sta 10/27 W
		To 9 Dist- 2/11 W.	Pug.Sd. 10/28 W.
		To Guantanamo Fwds Bulletins 2/14	CO BAGLEY 10/31 W.
		CO TREVER 3/3 W.	CO STEVENS 11/1 W.
		CO CRAVEN 4/10 Fwds radio compass bulletins W	CO MICHIGAN 11/1 W.
			11th Dist. 10/27 W.
			CO PUTNAM 11/1 W.
			TO TOUCEY 10/31 W
			CO PEARY 10/31 W.
			Atl. Air Squad. 11/1 W.
			CO TRUXTON 10/31 W.
			CO WADSWORTH 10/31 W
			CO UPSHER 11/2 W

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Number.	Date.	From or To—	Subject.	
540515	9/10	Phone to Phila	Rel Calibration of compasses duty in connection with W To Phila (T) Gives instrns 9/10	
584875	9/14	To Phila	Reqst be furnished with 25 folders and 10 copied of Radio Bulletin W RB 9/22 W	
585169	9/15	To Comdts Phila Boston NY Norf & MI	Bu shipping receivers for Radio compass- W To S&A Reqst shipmt of receivers from Washnto Boston W 9/20 RB 10/13 W.	
OVER RB 2/27----		To S&A Reqst shipmt of Receivers from Washn to SO NY 8803 W 9/20 To S&A Reqst shipmt of Receiver fromWashn to Norf 8804 9/20 To S&A Reqst shipmt of Receivers from Washn to SO MI 8805 9/20 To Phila 8801 9/20 RB 1/18 W. To S&A Reqst shipmt of Receivers from Washn to SO Phila-Gives Instrns rel test 9 /24		
584449	8/31	Atl Air Force	Reports on test of radio compass on airplane W	918
585797	9/9	MI	Fwds calibration reports on various destroyers.W	
586155	9/15	MI	Fwds radio compass calibration for 5 Dist.W	
586400	9/16	D.B.McGown	Asks to purchase radio compass received W To-- Gives Instrns 9/23	

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Number.	Date.	From or To—	Subject.
586640	9/20	Phila SEE CARD 146	Fwds beneficial suggestion of W.G.Ellis covering method for obtaining complete signal extinction W. cross— To W G Ellis- Fwds a smooth draft of speech for improvements in radio rect systems 5/16 To S&A- Gives instns ref check 6/6
587585	9/27	Bur Stand Labr. n	Comments on possible reduction of resistance on radio compass coils. W.
587223	9/29	To Anacostia	Assignment of Radio Research problem- Gives instrns W
587830	9/15	Perl Harbor	Rqst set of standard plans of radio compass instln on Destrv. W. To P H- Gives Action 11/5
588122	m 9/26	MI	Fwds calibration reports on radio compass installed on destroyers listed. W.
585169	FROM OVER		Boston- 9/28 Receiver recd. W. Phila- Request shipt order number be furn. 10/3 W To Phila Gives nform 10/7 Norf-Recommends SE 1440 receivers in compass stations be replaced with SE 1440-B 10/10 W. N.Y.- Recommends re-design of 1440-A receiver be adopted as a standard for compass receivers. 10/14- W. 898 To Boston- Quotes from report received from norf 10/20 To Boston- 1/21 Boston- Report on further test. 1/23W To MI- comments 1/26

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Number.	Date.	From or To—	Subject.
577426	7-29	To S&A	Reqst shipmt of radio spares from Phila to Great Lakes W 8322 RB 9/15 W Shipt from Phila to N.O. 8320 7/29 RB 9/19 W Shpt from Phila to Norf 7/29 8310 RB 9/21 W Shipt from Ph to M.I. 7/29 8323 RB 10/3 W Shipt from Phila to Pensa 7/29 8321 RB 3/11/22 " Shipt from Phila to Key West 7/29 8312 Shipt from Ph to Boston 7/29 8308 Shipt from Ph to Pug Sd 7/29 8324 Shipt from Ph to Chasn 7/29 8311 Shipt from Phila to N.Y. 7/29 8309 RB 8/24 Pug Sd. 8/12 W Pug Sd.-(T)- Rqst express del of 2 sets of spares. 8/29 W To Pug Snd (T) Shipmt being expedited 8/30 Grt Lakes- Ask probable dates of shipt 8/26 W To S&A Reqst shipmt of spares from Phila to Pug Snd 8783 9/2
	To 9 Dist- will not ship radio equipment 9/15 9th Dist- Work will be completed by 10/25 W. To Chasn- Gives instrns 1/20/22 Chasn 3/3 W,		
578419	7/26	Pacf·Flt.	Copy of letter to Force commanders giving policy rel to use of radio compass on board ship. W. To Pac Fleet 8/13
580158	8-12	To Comdt Mare Island	Reqst info rel grounding of ALASKA near station EUREKA W MI- Steam ship PULASKI not furn bearings 8/29 W
573434	8-16	To Comdt Boston	Radio compass station SURFSIDE transfer of bldg to Navy W
580497	8-17	To Comdts	Fwds bulletin W MI- 8/29 W Pug Sd 8/15 W To Pug Snd- Fwds copies of Bulletins 6/28

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
580498	8-17	To Operations	Assignment of two destroyers for calibration on Atlantic Coast W To Operns Gives Action- 9/1 cc Dir Comm Operations- Copy letter to Atl.Fleet rel to assigning Destrys to calibrating compass station. 9/2 W. 919- 1. Operations- BRECK & ISHERWOOD designated.	9/12 W
581749	8/20	D.N.C.	Radio compass- specfns drawn up by Bur Standards- fwds. W. To Bureau of Standards- 8/22 acknowledges	W
583443	8/30	Phila.	Fwds special report on design of radio compass equipt for battle ship service. W.	
583412	9/7	To Phila	Rel report of tests and calibrations aboard OHIO AND PENNSYLVANIA W Phila- Fwds special report on calibration of compass instln on board PENNA. 9/30 W Phila-- Fwds report on battleship radio compass. 10/24 W	
583413	9/7	To Atlantic Fleet	Calibration of and instrn bulletins for	W
583414	9/7	To Boston	Reqst progress of radio work	W
584286	9/6	D.NC.	Fwds pamphlet on automatic recording of radio compass bearings designed by Hydrographic office. W. Fwd Hydrographic officer Washn- 9/29	

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D RECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
571252	6/22	N.Y.	Progress report on instln of coast guard control lines. W.
571725	6/27	Dept	Fwds beneficial suggestions from W. G. Ellis Radio Labortn. at Phila. cov method for obtaining complete single extinction at two minimu points in radio compass operations.W fwd Sec 7/12 RB 7/14 Fwds Dept 5/5 RB 5/9/22 .W.
571989	6/27	Phila.	Fwds radio compass bulletin cov instrns for calibration of Naval radio compass ship stations. W.
576775	7-5	To Phila	Radio compass- radio resch problem 40 A battleship radio compass. W
To Phila 7/27			To Phila 7/7
OHIO Calibration of compass completed 8/22		W	To C CO OHIO 7/7
573278	6;23	Commander A.B.Clements	Fwds removal pamphlet relative to securing line of position of azimuth observations in lieu of depending on radio compass.W
573668	7;1	Pug Sd	Fwds radio compass reports Des Div 31.W
574389	7;9	5th Dis	Suggests co-operate with Bache in off shore hydrography in vicinity of Chesapeake Bay enterance- also calibration of compass stations.W

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
573287	7-12	To Comdts	In re measurements of radio compass coil constants,- fwds bprint. W Chasn. Print recd. 7/26 W
573842	7-13	To S&A	R qst shipmt of coil system from Phila to Amagansett W 8114
573849	7-14	To Comdts NY- No type 515 compass in store 8/25 W. Boston- Ask if parts should have been invoiced at low cost. 10/31 W To Boston, modification of compass 11/10	Special instructions for modification of type SE 515 compasses W Norfolk-Gives diameter of shaft. 7/27 W Chasn. 7/25 W. Chasn. 7/26 W. Key West 7/27 W. Norf- Rqst prints. 8/3 W To Norf-8/9 W To Key West 8/16 To Norf 8/16
575855	7/23	To M.I. Tel	Asks rel insulatos for shipment to Annapolis Darien W MI- (T) 100 porcelain rods in stock. 7/27 W
576685	7-26	To CO PENNSYLVANIA	Radio compass inspection and test of radio compass equipmey by Mr Shalcross W copy Atl Flt and Destroyer Force Newport ROCHESTER
577339	7/26	Phila.	Fwds special report cov measurement of electrical constance of radio compass coil system in 4th Dist- also report on details of undampt driver in use at Phila. Radio Labr. W

DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
559845	4/19	Pug. Sd.	Reqst 12 descriptive booklets cov Navy radio receiver be furn. W. Washington 5/13 W.
13910-195	3/31/21	Eng Comdr. N.Y. Phila	Radio Compass-nSubmarine bell- Receipt of signals from by Radio Compass
13904-195	3/30/21	Eng-C-in-C Asia	Radio Compass Equipment.
562316	5-9	To Norfolk T	When will destroyer complete radio calibration compass stations and proceed next district R W
563282	5-13	To Phila	Fwds galley proof of bulletin 3b W Phila- Fwds galley proof of radio compass bulletin. 5/26 Y
564567	5/17	Phila.	Radio compass defect and remedies- fwds bulletin covering. W.
564876	5/20	To Anacostia	Lists research problems- priority of radio compass. W
565345	5/14	Pacf. Fleet	Circular; ship radio compass operation Instructions covering. W.

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
565816	5/21	Chasn.	Request instrns cov instln and wiring of compass coil and switch W. To Chasn- 5-31	
565795	5-26	To Washington	Reqst for vandykes and copies of drawing W Washn- Vandykes fwded to Bureau. 6/7 W	
566130	5-31	To Comdt Phila	Fwds bulletin, radio compass- W Phila- Fwds page proof of radio compass bulletin 5-B. 6/21 W To Phila rel publication of bulletins 2/4/22 Phila- 2/26 W	
569377	6/11	E. N. Jenckes Jr.	Request reports on recent instlns of radio compass. W. To Springfield Republican- fwds copy- 6/24	
570000	6/15	Boston	Request inform rel to policy of bureau regarding radio compass calibration on board ships. W. To Boston 7/19	
569585	6-15	To Naval Academy	Fwds copies of radio compass bulletin W	
569598	6-17	To S&A	Reqst shipmt of radio compass equipment from Phila to Puget Sd W.7854 S&A-copy of action to Phila-7,15-W	24
569991	6-21	To Comdt Boston	Reqst info rel method of screening W RB 6/29 W	
569990	6-21 To Comdt Boston- 8/17	To Atlantic Flt	Calibration of vessels of destroyer force W Atl Fleet- report of destry force 8/8 W To C-I-C Atl Fleet Gives Action 9/23	

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[OVER.]

DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
554566	3/29	??	Copy of letter to Hydrographic Office in conn with amending paragraph published on North Atlantic and Pacific Coast pilot charts. W
555862	3/15 3/31	CO BUFFALO MI	Rel to report of radio compass equipt and calibration of. W. To MI Gives Instrns re metal ic loops cc CO 4/20 MI- No drawings on hand. 5/14 W To CO BUFFALO - rel operation of radio clmpas 5-26
C-13904-195	4/8	To Comdr-In-Chief U.S.Asiatic Fleet	Radio compass equipment. W
554122	4/8	To S&A	Reqst shipment of amplfier from Washn to Phila 6877 W RB 7/20 Phila- Request expedite shpt of instruments. 6/7 W. To Phila 6/20
5 56202	4/9	To Phila	Reqst two copies of radio compass bulletin be fwded Dist Comm Supt 9 Dist W cc 9 Dist W
557266	4/8	Pug.Sd.	Fwds calibration data, ORLOLAN IROQUOIS and Eagle 57. W.
557678	4/5	Radio Labr Phila.	Instln of radio equipt on Naval vessels- Subm bulletin covering. W.
556839	4/16	To Phila	Fwds Radio compass data W Phila- Returns report. 5/25 W

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Number.	Date.	From or To—	Subject.	
558364	4/12	Pug.Sd.	Fwds radio compass reports, Destry Div.22 W	
557889	4/18	To CO Pensacola- IM NY Comdt Key West-Chasn	Reqst longitude and latitude of Radio Compass Stations at Folly Island be fwded W RB 5/2 W Key West 4/22 W. Chasn-gives location of coil house at Folly Island-7;9-W To Communications 7/25	
559610			Chasn-geographic location of Tybee and Folly Island compass stations-4;25-W To Commun- gives location 5-5	
			Fwd S&A re Fibre Gaskets W 4/25	
560592	4;18 4;25	H.B.Joy Dept	Request information as to who mfgd radio compass equipment.C	
531589	4/28	To Comdts Navy Yards	Rqsts measurements of radio compass coils be measured. W	
560080 4	4/29	To Phila	Reqst that page proof of bulletin be proof read :Gives instns W C&R- Copy action to Phila. 5/10 W. Phila-Fwds proofs and bulletin with illustration.5/11	
559845	5/2	To Washn	Pug Snd reqstd cc of descriptive booklet W	

DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
550513	3/8	Nav. Intelligence	Brazilian Naval Attache rqst bulletins prepared at Phila. Id rel to radio compass, etc W. To Dir Intelligence pub will not be delivered for months 3/18
550755	3/9	Dept	Subm report on results obtained with radio compass on board UTAH. W. To Operns Reqsts of test 3/23
550288	3-11	To Phila	Remodeling to SE 1440 A receivers SE 1440 W Shipt order from Washn to Phila sound 3/12 6568 RB 5/17 W.
550986	3/10	Bur Stand. Labr.	Subm report on composition of radio compass. W To Phila Fwds report 3/22
550895	3/10	Boston	Request blank forms cov plotting sheets radio Compass Division. W.
551981	3/11 3/17	Frisco Com. Supt. Communications	Fwds graph showing radio compass bearings of static for month of February. W.
552340	3/17 3/18	Boston 1st Dist.	Use of Appledore Station -reserve problem 103 cov Bellini Tosi experiments and assignment of GREBE for proof work. W.
552378	3/3	Pearl Harbor	Reqyest standard plans cov relocation of radio compass on destroyers. W. To P H Fwds print 3/25

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
551208	3/19	To S&A	R eqst shipmt of app from San Diego to SO MI 6669 W RB 6/20 W MI- 3/28 W To MI Gives Inform 4/8 Fwd S&A 6/22 RB 7/15
552501	3/21 To Wash 5-18	To Washn	Reqst further comment and recomdn for improvement be submitted re defects in receiver W To Phila Reqst commend & Recomdn 3/21 Washn- Comments on defects- 3/29 W. ~~Inform~~ing material. 2/28W Phila- Subm comments requested. 4/6 W Fwd Washn 4/15 RB 5/12 W Phila. 3/22 W.
512012	FROM CARD 118		To Phila. Reqst form 3/26 Phila. 4/11 W.
553540	3/24	Boston	Proposed corrections to radio compass inform published on pilot charts- recommendations covering. W. To Boston Gives inform 3/26 Fwd Comm cc Boston 3/29
552416	3/15	Atl Des	Copy of telegram to Des Squadron 14 and 496 15 directing des engage in calibrating compass station be relieved when they have been on duty one month. W
554116 Boston-submits suggestions-4;7-W To Anacostia 5/20	3/29	To Boston	re investigation of the improvement of Des radio compass; Reqst inform W To Boston Reqst dup cc of let be fwded 9/21 RB 9/24 W

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[OVER.]

DIRECTION FINDERS: 1921

Number.	Date.	From or To—	Subject.
543988	2-4	To Intelligence	Fwds data in compliance with reqst for info to be furnished Spanish Government W
		652	
544611	2-5	To Boston	Assignment of radio research problem 103 "Investigation of method of reducing deviations as encountered at radio compass stations" W To Anacostia 5/20
544626	2/4	Naval Academy	Request pamphlet cov theory of contstruction and calibration of radio compass. W. To Naval Acad. - will be furnished when completed. 2/8
544622	2-10	To Boston	Assignment of problem 104- W To Anacostia 5/20 To Boston 6-17
546393	2/12	Communications Publicity	Fwds article on radio compass by Lt. Cdr. F. Luckel - ask if any objection to publishing. W. fwd Intl 2/21
547094	2/8 2/14	Pensacola 8th Dist.	Reports on radio compass calibration by means of a dirigible. W. To Pensacola 2-26
547028	2-19	To N.Y.	Calibration of MADDOX- radio compass W 652-2 6
547039	2-21 To Nav- 6-24	To Y&D	Radio compass calibration surveys transits for W To S&A 2/21 To Nav 2/21 Navigation- 10 transits in store. 2/28 W. Y&D- No transits in stock. 3/3 W. S&A- 3/16 W Navigh- Fwds one Gurley transit 6/30 W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
547909	2/17 2/21	Chf. Electrician L Manuel 1st Dist.	Fwds copy of drawing giving suggestions to obviate usual collector erections on radio compass. W. ToComdt 1st Dist 3-11
548712	2/25	J. MJ. Pollard	Request inform rel to theory construction of radio compass during war. W. To J J Pollard 3-3
540375	FR OM CARD 122 CO ALDEN 4/16 W. CO JASON 4/1 W Pacf Destry 5/27 W. CO ZANE 5/24 W CO R. L. BARNES 3/29 W Pacf Destry 5/31 W DPacf Destry 6/29 Atl Des Squad 7-7;8-W Pug Sd-fwds report of radio compass equipment-7;2-W Atl. Destry-Fwds report from CO PILLSBURY 7/15 W		Pacf. Train 2/17 W. RB BALTO 3-5 CO ARIZONA 2/24 W. CO DELAWARE 3/3 W. Shipping Board 3/10 W. CO SCHENCK 3/7 W. CO MAURY 3/15 W CO ST LOUIS 2/19 W CO ROPER 5/15 W. CO HART 3/10m W. CO POMPEII 3/18 W. CO AJAX. 4/15 W To Pac Fleet 5-6 To Atl Fl et 5-6 Atl. Destry. Rqst addtl copies of form. 5/13 W CO EDSALL 5/15 W. CO KENNISON 5/17. W. Pacf. Air Force-Rqst forms be furn. 5/16 W. CO BOGGS 5/16 W. CO WARD 5/16 W. CO BURNS Rqst report forms be furn. 5/17 W. CO PERCIVAL 5/21 W CO WELLES 5/25 W.
550367	3/8	Radio Corps America	Fwds papers in case of Clark & Allen on radio compass correcting devices. W. 896.

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.
537047	12/27	Norf.	Request radio compass bulletins compiled by Phila. Labr. be furn. W. To N.Y. 1/3/21 RB 1/6
537984	12/21 12/30	Wireless Spec. Appr. Co. Navigation	Can furn direction finding equipt. W. To 1-12
538201	12/30	Pug.Sd.	Fwds radio compass calibration sheets for WATERS BORSEY AND DENT. W.
537702	1-6	To Operations	Assignment of two destroyers for calibration duty on Atlantic Coast. W
538791	1/6 Phila. 6/18	Phila. W	Copy of telephone conversation in conn with status of radio compass project Morehead tubes for amplifiers, radio compass bulletins, etc. Y To Phila 6-8
539308	1-11	To Comdt Wash Yd	Reqst subm estimates covering repairs to be made relief map elec and mech apparatus W Washington- Subm estimates 2/1 W. To Comdt Washn 2-4-21 auth sum of 300 42 W
539443	1/3	Mare Island	Copy of letter to Pacf Fleet requesting services of Destry for calibration of compass stations. W.
540013	1/7	Secvg.Ship Frisco	Request one copy of radio and compass bulletin #1 be furn. W. To Rec Ship Frisco- fwds 1-18

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
540320	1/13	Phila.	Copy of telephone conversation in conn with measurement of accoustical lengths, quarters for Bethany Beach, compass station transmitters at Mantoloking, etc. W.
541482	1/14	PCCS	Fwds chart showing radio compass bearings and static for month of December in 12th Dist. W
541937	1/20	Anacostia	Research Problem 76-B- aircrft, radio compass for model seaplanes- comments on. W.
13769-195	1/12/20	O.N.I.	Method of Directinn finding by W. T.
540375	1-25	To Comdts IM's Inspr CO's Ships.	Reqst enclosed form be filled out in detl for all vessels equipped with radio compass W
TO CARD 123		Key West 2/11 W. New Orln. 2/10 W. CO HANCOCK 2/8 W. To MAURY Chasn 2-14 Mare Isl. 2/10 W. Ports- Report on compass equipt on board RAPPAHANNOCK 2/15 W. To M.I. 2-21 San Pedro Sub Base- 2/11 W Guantanamo- 2/14 W. Chasn. 2/17 W	BAGADUCE NY RB 2-2 RB Orion 2-28 CO CHILDS 1/31 W. CO RINGOLD 2/2 W. Inspr FR 2/3 W. Inspr Cramps 2/4 W. To Inspr Cramps 2-8 RB Chasn 2-7 Washington 2/9 W. Nof RB Norf 2-11 RB KALK 170 CHASN 2-17
543461	1/27	Boston	Suggested modifications to type plan of radio compass house. W.
543214	1/26	Nav Int	Japanese have secured large order of direction finders thru Wireless Imp Co NY F&W.

540 515 Card 129

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[OVER.]

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
532163	11;30	Nav Int	Fwdsmanuscript on article "Test of Radio Compass Shore Stations" by Lieut. H.C'D. Hunter-ask if any objections to publishing.W To Nav Intelligence 12/6
532162	11;30	Nav Int	Wireless Improvement Co have just completed large orders wireless compasses for Japanese Navy.W
531589	12-1	To Phila	Radio compass; constants of radio compass coils determination of W To M.IL 12/1 To Boston 12/1
		Phia- Fwds print showing measurements of electrical constance compass coil system at Cape May. 2/7 W To Anacostia 5/20	
532099	12-2	To Washn Coast Guard	Fwds copy of cal curves as installed on SENECA W
532353	12-4	To Comdt Phila	Fwds bprint, radio compass W
533255	12/6	CO OHIO	Subm report on problem 9 cov battleship radio compass. W.
533274	12-9	To Codtts Y&D IM's	Radio compass type plan for all shore radio compass stations fwds vandyke copy of drawing W Chasn. 12/14 W Key West- 12/15 W
		Y&D- fwds report from Chasn. with print giving details of screened grounding. 12/21/ W Pug. Sd.- 1/4 W To Puget Sd 1-18	
532597	12-9	To Comdt Phila	Reqst for vandykes and bprints W Phila- Fwds various prints. 12/16 W
533604	12-10	To Comdts IM's	Fwds drawings, showing deisgn of SE 515A radio compass W Key West 12/15 W Chasn. 12/17 W 9th Dist 1/5 W. To 9th Dist 1-25
		Pug.Sd.-Copy- Rqst compass dials and compensating condensers. 5/23 D To Comdt Puget Sd 5-28	

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~~N-Bng.484~~ DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
534510	12/7	Mare Island	Copy of letter to Dominion Meterological Service Stating no Instln of radio compass apprs has been made on West coast. W.
534816 see	919-1		
534844	12/14	Phila.	Copy of telephone conversation in conn with Yard furnishing shore radio station, compass unit. W.
535170	?	?	Copy of instrns rel to radio compass calibration. W.
535215	12/16	Y&D	Copy of endorsement to Phila. in conn with completion of work by 1/1/21 and submission of weekly progress reports. W
535527	12/11 12/17	CO PADUCAH Navigation	Subm results of radio compass bearings from Ports. to Norf. W. Fwd Comm 12/21
535379	12-18	To S&A	Reqst shipmt of trans and rec equipments from GE to San Domingo City W. RB 1-10 To - Reqst amendment of shipt order of 12/18 12/20 To S&A Reqst shipmt of Tubes from Washn to Hamp Rds 5675 12-27 RB 1-13
536687	12/23 Inspr FR- 1/20 W	Boston	Recommends shock absorbers be installed on amplifiers, on board. Destroyers. W. To IM's Comdts Insprs 1-17-21
536686 m	12/24	Boston	Recommendations rel to changes in radio comp nform shown on hydrographic bulletins. W. Fwd Comm 12-29 RB 7/26/21. W.

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DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
521636	10/7	C&R	Copy of endorsement to Phila. approving modification proposed for radio compass house, for Destroyers. W.	
522015	10-11	To Desty Flotilla B At1 Flt Hamp Rds T Destry Flot-10/11 (T) W. CO- Coby- Vessel will report to 1st Dist. 10/16 10/15 W	Instructions for calibration radio comp stations to be obtained at yards upon reporting to Comdt Dists, what date will WM B PRESTON report Comdt 1st Dist W Destroyer Flot- B- (T) Request mail instrns to CO WM B PRESTON for calibration of in Atlantic Districts. 10/ 10 W.	
522222	10/12	To Boston T	Fwds data necessary for calibration of destroyers W. To Chasn T rel action taken 10/12	
520026	10-1	To Comdts IM's	Submits minutes of radio compass conference held on Aug 19th and 20th. W	
522994	10/12	Phila.	Subm minuts of radio compass conference. W.	
522887	10-16	To Dir Commun	Determination of the direction of origin of static by radio compass stations W Communications- Fwds copy of circular letter in conn with. 10/21 W. To Norf 6-3	
523991	10/18	Forts C&R- Fwds prints showing method inst in rigging insulators. 11/11 W	Request instrns rel to insulation of rigging of radio compasses for Destroyers. W. Fwd C&R 10/20	
520972	10/4	Sturtevant and Mason	Are willing to disclose subject matter of letters, patent of Cpt. J. Robinson, impovement in radio direction finder. W	396 cov

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DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
~~525443~~	~~10-28~~	To Phila	Reqst inform re radio research problem ; radio compass W. Phila.- Fwds special report. 11/5 W.	
525732	11-1	To Lt. Russell, via Comdt 3rd Dist	Comments on letter rel patent application on radio compass having direct reading scale and other features.	W
527206	10/16	Boston Copy	W. B. PRESTON will assist in calibration of radio compass stations in 1st Dist. W.	
528266	11-11	To Comdt Boston Tel	Advise if practicable to calibrate stations 1st Dist and other districts with GREBE thereby making PRESTON available for other duty W Boston- Copy- Request PRESTON be turned over to 1st Dist. for calibration work. 11/12 W.	
528253	11-12	To Washington	Reqst mfg of condenser for use of station JUPITER.	W
455622	11-16	To Anadostia	Reqst specfns and drawings for radio compass coil, for bearings on battleship up to 150 miles distance. W	918
531236	11;23	6th Dis	Report with print of radio compass bearings of static. W cross to 908	
531307	~~10/30~~ 11/28	Ports. C&R	Request inform rel to practice of Boston Yard in insulating lagging in vicinity of radio compasses or destroyers fitted with stub masts. W. fwd C&R 12/30	

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DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.
518011	9-21	To Operations	Radio compass stations Atlantic Gulf and Pacific Coasts, calibration of- reqstg destroyers for this duty W Dept- Destroyer will be detailed. 9/27 W
518150	9/18	Boston	Request 8 new coil frames of standard design be authorized for instln at radio compass stations in this Dist. W. To Boston 9/29 914-1
518431	9-24	To Washington Signal Corps. To Chief Sig Officer- Will fwd results of exp work 10-28 Shipment order 10-22, RB 10-27; W To Anacos 6-17	Reqst all info covering experiments with Cohen type of compass be furnished in order to avoid duplication of research work on this problem. W War Dept- Request report of test/ 10/12 W. To Anacostia 10/22
286224	FROM CARD 105		Phila. 9/25 W. Phila. 10/1 W. Phila- Weekly report. 10/8 W. Phila. 10/16 W. Phila; 10-30; W Phila- Statis of radio compass material. 11/5 W Phila 11/15 W. Phila. 11/19 W. Phila. 11/24 W. Phila. 12/4 W Phila. 12/11 W Phila- 12/21 W. Phila. 12/27 W. Phila. 1/6 W. Phila- 1/12 W. Phila. 1/17 W. Phila- Weekly report. 1/22 W Phila- 2/4 W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
520529	9/30	Phila.	Confirms telep. ons conversation in conn with status of printing radio compass bulletins and appointments of radio aid at compass stations. W.
520656	9/20	Airship Detch. England 736-3	Request $2,000 be allotted for carrying out experiments in conn with development of radio compass direction finder for R-38 W. To Yorkshire T 10/7 Balloon Div. England- Subm report of expenditures under allotment Aviation 1921 D. 7/5 918- - 604-21.
520755	10/1	Anacostia	Fwds radio and magnetic compass calibration curves on board aircrft. W.
520827	9/21	Pensacola Pensacola- Suggested method rel to plotting position by radio compass. 10/11 W. To CO ANACOSTIA 11-10 RB 11/15 W To Pensa comments 11-10 fwd Anacostia 12/21 RB 12/29 W	Fwds photos of Fleet balloon basket equipt with radio compass coil, with comments on test. W To operations via Nav 10/6 fwd Anacostia 10/6 RB 10/9 W. fwd Pensa 10/12 RB 12/17 W To CO PENSACOLA- acknow 11-18
521206	10/7	To S&A	Reqst shipmt of radio compass type from Washington to Annapolis W ; RB 10-28; W RB 10-29; W
521213	10 -8	8 To Phila	Reqst fwd vandykes of radio compass house assemble be fwded to Norfolk W Phila 10/16 Sample of radio compass house- fwds drawings. 10/16 W.

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[OVER.]

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
512012 TO CARD 124	8-21	To Anacostia Rad Lbty Anacostia- Report on method for utilizing standard aircrft radio compass coil.11/11. W. To CO Fwds report f2-11 To Phila 2-10-21	Reqst undertake development of radio compass designed exclusively for use on dirigibles and giant seaplanes. Problem 81-A assigned covering Phila- Fwds list. 9/3 W	W
511027	8-21	To Comdt Boston via Y&D	Fwds prints and photostats covering reconstruction of buildings to be turned over to Dept by Coast Guard, in conn with Watch Hill and bldg to be used for station at Narragansett. W copy Norf.	
513918	8/26	Europ Forces	Gives results British test of radio compass in rigid air ships; complete failure; further experiments. W. To Europ Fcs(T) 8-28	
514795	8/26	Mare Island	Rqst instrns rel to use of form 29. W. To MI Gives explanations 11-27	
514862	9-2	To Boston	Radio compass- instructions for calibration on ships. Boston; fwds special reports; 11-1;W	W
514935	8/30	Ports	Rqst instrns for instln relay with compass equipt on Destroyers. W. To Ports. 9/24	
514936	8/31	Y&D	Radio Compass house- have issued instrns, 15th Dist/ to eliminate metal roofing. W.	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
515552	9:3	SWALLOW copy	Ed. Forsea on radio compass expedition.	W.
515954	9/4 Pug.Sd.- (T) No record of shipt order. 10/18 W. To Pug Sd T 10/21	Pug.Sd.	Ask when compass will be shipt; no record of telegram of the 8/25. W. Pug.Sd.- (T)- States compasses and amplifiers not available at Yard. W. 9/10 To Puget Sd (T) 9/9	
516234	9/8	Phila.	To Puget Sd (T) 9-27 Recommends change in plans for radio comp Houses. W. To Phila via C&R recs 9/20	
516273	8/28 9/8	Radio Corpn. N.Y.	Request loan of rotory tone condenser from compass outfit. W. fwd S&A 9/16	
515835	9/13	To Norfolk	A paratus listed in change of material sheet of 8/27 should be surveyed as obsolete W	
517154	9-14	JUPITER (copy)	Sub chaser indequate; request destroyer tug from Charleston for calibrating compass stations; W To Key West and Jupiter (T) 9/15	
517440	9-17	To Bur Standards	Problem 8 B completed. W	
515827	9-10 To Phila 10/4	To Phila	Reqst report on radio compass research problems 909 Phila; can submit report by Oct 15; 9-15; W Phila; fwds special radio report on underground radio compass; W 9-24;	

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[OVER.]

Number.	Date.	From or To—	Subject.	
508274	7-29	To Director Nav Int	Reqst translation of report RB 9/9 W.	W
508395	7/27	Ports.	Alterations to antenna lead in screens radio compass on Destroyers listed- subm estimates. W To IM Ports Gives list of work appvd with comment 8-5 Ports 8/16 W	
508359	7/28	Post Off. Dept	Rqst information rel to errors found in use of radio direction finding in Navigation. W	
508289	7-31	To S&A	Reqst shipmt of 2 gas engine units from Norf to Chasn. serial 3968 RB 9/11 W. Norf- Request letter of 8/11 be disregarded. 8/13 W	W
508934	7/24	Anacostia	Possibilities of long range radio compass- Fwds corrected curves on Annapolis and New Brunswick with detailed reports comments Anacostia- Supplementary report. 8/10 W.	cov. W
509967	8/3	Nav Intelligence	Fwds copy of article rel to wireless direction finding apparatus appearing in "Engineer". W	918
510433	8-11	To Comt Phila	Radio compass instlln on destroyers. Reqs info covering. W Phila- Report on issue. 8/20 W	
512022	8-19	To Phila	Assignment of compass coil systems for destroyer ~~xxxxxxx~~ instalation. Reqst subm list	W

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DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.
510428	8-10	To Comdt Boston	Comm lines for radio compass station. Reqst report covering cost of leasing from Coast Guard 13 to Ports. etc. W Boston- Subm recommendations. 8/31 W. To Communications 5/20 copy Bostn and Ports.
510432	8-11	To Comdt Boston	Reqst info rel type of radio compass instaln on destoyers listed S Boston- Gives type of radio compasses installed on various destroyers. 8/25 W.
511600	8-17 Dept of Commerce 10/11 W. Y&D- Copy of action to Bost. 10/19 W	To Dept Commerce	Reqst permission to build radio compass buildings at lighthouse reservation at No Truro Mass and Capt Elizabeth Me. W Dept of Commerce-, Will advise later date. 8/23 W Dept of commerce- Authorizes constrn of stations, North Truro and Cape Elizabeth. Fwds prints. 9/28 W. To Comdt Boston 10/14
511028	8-18	To Norf via Y&D	Reconstruction of Coast Guard building at Poyners Hill and Cape Lookout. Fwds spcfns and drawings covering. W
505029	FROM CARD 116		Y&D- Copy of action to Norf. 8/19 W. Norf 8/19 Recommendations. 8/19 W Y&D-Copy of action to Norf. 8/21 W
512803	8/14	Phila	Confirms telephone conversation in conn with range of radio compass condensers. W.

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[OVER.]

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
504022	7-12	To Comdt Phila	Radio compass stations 4th Dist. Authorized projects in conn with for fiscal year 1921 copy Comm and Y&D Y&D- Copy of action to Phila. 7/20 W. Y&D- Copy of action to Norf. 7/20 W.	W
504741	7/7 7/12	3d Dist. Communications	Direct reaching scale developed by Lt. W. J. Russell for radio compasses; gives description of. W.	
499565	FROM CARD 115		Mare Island 7/3 W. fwd Washn 7/14 15th Dist 7/16 W Pug. Sd. 9/7 W. New Orln 9/9 W. New Orleans; fwds for Grand Isle; 9-10; W	
503447	7-13	Fwded Comdt Puget Sd	Radio compass stations 13th Dist- gives criticisms on installn at. W RB 9-18; W	
505029 TO CARD 117	7-15 To Norf via Y&D 7/29 To Norf via Y&D- reqst action 8-2 To Norf via Y&D 8/16	To Norfolk	Reqst compass stations 5th Dist authorized projects in conn with for year 1921/ W Y&D- Copy of action to Norf. 7/30 W Norf- Recommends allotment of $1,575 coy charging house at Roynors Hill Comp Sta. 7/28 W	
506368	7-26	To Comdt Boston	Comments in conn with radio compass. Letter Lt Colwell of 7/19 to Capt Yarnall. W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
500883	FROM CARD 115		Chasn- (T)- Reply mailed 7/7 W. 7/10 W. Communications- No gunner available at present. 7/14 W. To Operations. rel calibration of 7/16 copy Com
505494	7/12	Pensacola	Fwds report covering first operations of NC-2 in using radio compasses. W. fwd Comm 7/21
505245	7-16	To Phila	Radio compass design of model radio comp unit. Reqst undertake for use shore stations and destroyers W Phila: submits recommendations covering new unit; 11-1; W To Phila 11/6
506074	7-20	To Operations via Communications	Radio compass stations permanent assignment of destroyer in conn with. W
506975	7-26 To Comdt Washn. 12/1 W.	To Comdt Washn appvl 11/23	Radio telegraph problem 107 class C improvements in design of type SE 1515 radio compass coil systems. Reqst subm W To Washn. amendme/t of instructions 8-9 Washington-, Fwds print showing improvts to radio compass, 11/15 W.
507782	7;9	Pensacola	Communication report. W

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DIRECTION FINDERS

[OVER.] 1921 130

Number.	Date.	From or To—	Subject.
587696	10/1	To Norf	Description of Receivers- Gives inform rel W
587698	9/30	To Chasn	Rel calibration of destroyers- Gives instrns W
588422	9/28	MI	Fwds report on calibration of compasses on KILTY BURNS SHIK & TATNALL. W. 137-2 111.2 318-2 121-2 -6
588566	8/17 10/3	5th Dist/ Communications	Fwds table of comparisons, radio directions, with true directions. W. 919-1
588164	10/5	To Communications	Reports of poor bearings Stations in First and Third Dists- W
	N.Y. 12/9 W		To NY Boston- rel reports of bearings 10/5
	Recommends arc trans Attes along Coast be inspected. 12/16 W		Comm-fwds copies of replies from 1st and 3rd dis-10;29-W
	To Boston- WTI issue instrns 1/6/22		
586663	10/7	To Phila	Conference will be held in Bu eng- The rel the A Mnual radio compass Reqsts radio lab oratorian W G Ellis be directed to report- W
578779	10/5	Pug. Sd.	Rqst instrns rel to calibration of compass on vessels prior to departure from yard. 914

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
590008	10/11	Ports	Request copies of radio compass bulletins be furnished. W.
590147	10/7 10/13	Atl. Battleship Force Communications.	In conn with vessels & force using radio compass bearings. W.
590276	10/11	Chasn.	Request copies of radio compass bulletins be furn. W.
590567	10/12	MI	Fwds report on clibration of compass on PALMER WARD CLAXTON & THATCHER. W.
590281 CARD 131	10/20	To Comdts- Naval Districts- Stations Co's Air Stations Annagansett 10/22 W	Fwds cc of Radio compass bulletins W Washn. 10/21 W. 3d Dist. 10/24 W. 4th Dist. 10/24 W. Phila. 10/24 W.
590282	10/20	To Fleets-	Fwds cc Radio compass bulletins W Fwd Washn 12/10 Europ Forces- 11/24 W
590283 TO CARD 142	10/20	To Cofs CO BABBITT- 11/8 W. To CO BALCH- gives inform rel bulletin 12/10 Europ Forces-Acknowledges receipt 11/29 W	Fwds cc Radio compass bulletins W CO SICARD 10/31 W Atl/Destry 11/1 W CO TAYLOR 11/1 CO NORTH DAKOTA 11/1 W CO KANE 11/1 W
591994	10 17	Fed. Tele. Co.	Fwds circular describing a Kolster radio compass and position finder. W.

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
496107	5/24	Ports.	Details of instln of radio compasses - request instrns covering	W
496641	5/27	Akron 736-2	Goodyear Co. request inform rel to radio telegraph set suitable for use in a small airship.	W.
497070	5/28	Phila	Proposed alteration in coil system of radio compass. Fwds prints. To Phila apprl 9/8 fwd S&A 10/18 ~~RB 11/4 from C&R~~ W.(RB canc) S&A- Phila. rqst manufg rqst be issued. 9/29	W W
497104	5/26	Boston	Recommends suitable standard form for plotting of radio compass curves be issued.	W
497855 see 919-1				
500853	6/19	Dept	Request comments on calibration of radio compasses on board Destroyers at Chasn. To Charleston. Reqst info if present radio material forces of Yard capable of handling work. 6/25 Dept-, Request action 7/8	W. W
TO CARD 116	Chasn. 7/7 To Chasn(T) 7/9 mChasn. 7/7 W. Fwd Washn 8-4 To Com. advise action taken 7/13			
498486	6-21	To Operations	Swinging ship for deviations of radio compass on airc (heavier than air and lighter than air- Reqst suggestions as given be inc.	918

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N.S.E. Form 134.

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
499565	6-18	To Navgn Fleets Comdts 1M'S	Deviation curve form 29- radio compass. These forms now available for distribution and all vessels under battleship, cruiser and destroyer classes to be equipped with radio ccompass, whould apply for supply of same	
TO CARD 116	Chasn. 6/28 W		N.Y. - 6/28 W	W
	fwd Washington 7/2 W.		New Or n. 6/28 W.	
	Ports 7/1			
501291	fwd Wash 7/8 See 919-1	fwd Wash 7/7		
501299	See 919-1			
502423	7/2	To S&A	Reqst shipmt from Wash to Norfolk condensers	W
502422	7/2	To S&A	Reqst shipmt from Wash to Phila condensers RB 9-18; W	W
502424	7/2	To S&A	Reqst shipmt from Wash to Chas condensers RB 8/13 W.	W
503275	7/2	CO OHIO	Long range compass- report covering.	W.
503447	7/1	13th Dist.	Subm suggestions and criticisms rel to building future radio compass stations. fwd Com 9/25 RB 9/29 W.	W.
503154	7/3	C&R	Proposed direction finder installation of envelope using bevel gears- fwds prints. To Aircn 8/21 RW, copy, 8/26 W	918
502991	7-7	To Comdt 9th-10th11th	Radio compass station sites outlined in letter of June 21st authorized. W	
	fwd Sec 7/15 To Operations. rel vessel for 7/23 copy Comdt		9th Dist- Gives reasons why travel orders for P. A. Greenleaf, Asst Inspr, necessary. 7/10 635- 4 W	
	Dept- Copy of action to 9th Dist. 7/20		9th Dist- Subm information rel to radio compass projects on Great Lakes. 7/12 W	

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[OVER.]

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
491262	4/3	New Orln	Obsolete radio compass material at Pensacola-request authority to ship to New Orln. To Pensa reqst shipt to N O. 5/7 copy Im	W. N.O.
491430	5/5	To Norf. (T)	Bur representatives will be in Norf. 5/10 to inspect radio compass stations. Desire to have Hog Island inspected first.	W
492065 see 919-1				
493380	5/11	Phila	Request radio compass receiver be assigned to radio compass labr. To Ph. auth 5/14	W.
494625	5/20	To S&A	Reqst shipmt from Phila to Norfolk back coupling condenser radio compass compensators S&A 7/6 W. Canc of shipt order 7/10	W
494183	5-21	To Co McKEAN(90) via Comdt Dest Divn 7	Reqst detailed report of calibration when working in conjunction with McDERMUTT- RB 6/28 W fwd MCKEAN 7/3 RB 8/9 W.	W
494628	5-21	To S&A	Reqst shipmt from Phila to Charleston 2 back coupling condenser radio compass compensators Phila 6/28 W RB 8/13 W S&A 7/6 W. Canc of shipt order 7/10	W

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N.S.E. Form 134.

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
494920	5-22	To Chasn (T)	Representatives will be in Chasn Monday to inspect compass stations 6th Dist.	W
494922	5-22	To Comdt 9th Dist	D.H. Shallcross, radio compass engineer will represent Bur and make survey of locations in 9th Dist, in re to establishing ~~of~~ radio compass stations. W copy Direc Naval Comm.	
494919	5-24	To J.H.Hammond 1200	Reference recent phone convsn, shipping order on G.E. for generator to be used in conn with oscillators on OHIO cancelled. Appr now on board, will fill requirements.	W
495494	5/21	Anacostia 918	Elimination of ignition disturbances on radio compass - fwds photos of apprs with comments on.	W
			To Operations- Gives detail comment on proposed change in instruments in Aircraft. 5-29 fwd C&R 6/25	RB 6/12 W
495599	5/21	Bur Light Houses	Fwds copy of letter to Canadian Pacf. Ocean Service, in conn with radio compass stations on Atlantic and Pacf. Coast of U.S. to facilitate operation of ocean vessel. fwd Dirdc Naval Comm 6-3	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
486594	4/8	Phila	Preliminary instrns for instln of model T radio compass - fwds.	W.
486996	4/12	Bost T	Reqst temporary assignment of amplifier for Bellini Tosi compass experiments - W To Boston 4-13 (T) 1605-B at Boston will suffice for test with compass W	
486098	4-10	To Nav	Fwds article on radio compass W	
487139	4/7 4/12	3rd Dist Communications	Research problem No. 41 - wave front variations radio compass bearings - submits reports covering - W	
487384	4/13	Independant Wireless	Telegraph Co. Fwds copy of circular which English Marconi Co. is mailing to Steamship companies in N.Y. in conn with wireless direction finding stations. To Independent Wireless Telegraph Co. ack ow receipt 4-17	W.
487168	4-15	To Mare Island (T)	Advise action taken rel housing of compass operators. PT REYES-Sussist at Coast Guard until permanent arrangements. W Mare Islan - Fwds map of point Rayes. 4/15	W.
477315	4/15	Ham.Rds.	Subm information rel to proposed instln of compass coils on air ships.	918

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
488451	4/17	N.Y	Wave front variations- radio compass bearings taken in conn with study of; subm. W.	
384765	FROM 55		To Im Ports- Relocation of A and B batteries- letter of 10-24-19 W 4-21	
489487	4/23	Naval Intelligence	Fwds French paper on study of field defracted by a cylinder. W.	
489160	4-26	~~To Comdt Phila~~	~~Reqst copy of instructions for installn care and maintenance of radio compass be fwded. W~~ Phila- Fwds instrn for instln and care of radio compass. 5/1 W	

Number.	Date.	From or To—	Subject.	
483193	3/9	Memo for Capt., Craven	Outlines special achievements in re to aviation in America, with detailed comments in re to award.	W
484425	3/29	Boston Copy	DALE can be released 4/1; recalibration of compass stations in first district completed. W Boston- Copy- Vessel left to calibrate Coast radio stations. W 2/29	
484767	4-3	To Intelligence	Radio compass bulletin 1- issuance to Chilean Naval Inspr. Fwds	
485506	4/1	Boston	Request 30 vacuum tubes be furn in conn with loop antenna and Nellini Tosi radio compass experimental work. W	898
470836	FROM CARD 108		Phila- Will conduct tests at Cape May. 4/8 W. Phila- Subm report on Experimental works. 4/16/W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
485475	3/17 4/3	N.Y. S&A	Request authority to transfer to Fleet Sup Base, 6 radio compass houses. fwd S&A 4-12 RB 4/23 W fwd S&A 6/25	W.
485497	4-7	To IM NY	Fwds copy of "Direction Finding Tests Conducted on Hills", by Rene Mesny, Prof. of Hydrography, Toulon. W To Comdt N.I. fwds 4-7 To Comdt Wash fwd 4-7 To Comdt Boston fwds 4-7 To Co Anacostia fwds 4-7 To Bur Stds fwds 4-7 To Comdt Phila- fwds 4-7	
486352	4/8	Phila. (T)	Prints and vandykes of preliminary instrns instln of radio comp mailed 4/7.	W.
486492	4/7 4/9	13th Dist- Communications	Quarterly inspection report. W.	
486100	4-9	To S&A	Reqst shipment from Washn to Phila radio receivers. W (2115)	
486103	4-9	To Comdt Phila	Will fwd forms later for use in plotting compass deviations.- pending recpt instructns on calibration now being compiled are not to include other forms for this purpose. W	

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[OVER.]

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
479867	3/5	Washington	Request instructions be furnished for operation of receiver and associated compass equipment. To Cdt Phila-reqst pamphlets be shipt to Washn by March 15th. 3/6 To Cdt Washn 3/18 Phila 3/11	W.
479245	3/4	To Secty 772	Radio comp- model for display showing ability of Navy to accurately determine position of ships entering harbors by means of radio comp. Reqst authorization for expenditure. To Im Ny-Reqst take steps to have map made for Marine exposition . W 3/5 N.Y.; 3-15;	W
479453	3/5	To Cdts IM's	Calibration of radio compass stations to 600 and 800 meter wave length. Have reqstd assignment of destroyers to various districts.	W
479250	3/5	To Inspr NN	Radio compass installns on destroyers bldg at NN. Calls attention to unsatisfactory methods see 477743-187-Q-6	W
480536	3/6	Speyry Gyro.Co.	Request authority to publish article on dealing with the radio compass. To Sperry Gy Co 3/9 Sperry Co. 3/11	W
480707 9	3/9	Phila.	Fwds detailed correspondence in conn with shipt of radio compasses to Base #6 for MELVILLE, requesting instrns as to accounting. Fwd S&A. 3-12 Phila- Request action/ 4/1 W.	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
480808	3/4	Pug. Sd.	Request authority to obtain graduated dials for radio compass stations, for Mare Island.	W
481054	3/9	A. N. Johnson	Request inform rel to radio; request pamphlet on gyro-compass. To A.N.Johnson 3/15	W.
481458	3/12	Boston	Quarterly inspection report.	W
480753	3-12	To Pensacola (T)	Information reqted on progress of radio compass installation at Air Base Pensacola. Expedite report covering this work. W Pensacola (T) recommendations fwd 3/11 - 3/13	
481512	3-17	To Im Norfolk	Reqst reports with recommendations be made covering radio compass stations 5th District central control of, communication line for. W	
482428	3/19	To Pensacola (T)	Advise status of work rel installn of compass appr. W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
9				
470848	FROM CARD 108		C&R- Copy of action to Inspr N.Y.Ship 2/9 C&R- Circular - Copy of letter to Yards fwding prints of coal house 2/10 Norf - Fwds prints 2/16 NYS - reqst working instrns for installation of radio compass be furnished - 3/3 To IN Norf 3/8 To Comdt Phila- instructions for installn and opr of type SE 1512 radio compass 3/8 copy Inspr NYS Phila.- Instrns will be fwded about 4/1.3/27 W To Phila. reqst NYS be supplied wi h copy- also expd 4-12 copy NYS	
475625	1/20	Europ Forces	Fwds paper read before Institute of Elec Engineers on direction and position finding by radio.	W.
475887	2/13	Nav.Intelligence 652	Fwds report on direction finding test, submitted by Naval Attache, Paris. fwd Intell 4/5	W.
469440	FROM CARD 108		Inspr FR- Copy of letter to Inspr Squantum 2/11 S&A 2/16 Boston 2/19 Fwd S&A 2/24 To S&A cancellation shipt ord 1/31 2/26/20 Squantum - 2/21 FR - reqst disposition of compass - 4/10 - W To Inspr F.R. (T) complete installn radio compass on destroyer 295 before delivery not desired this work be done Boston yard. 4/15 245	

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N.S.E. Form 134.

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
476408	2/17	To Firms	Fwds prints, airc radio compass coil for use reqn 334- W To Gas Accumulator Co. fwds 2/28 K&C Co.- Fwds prints showing aircrft radio compass coil 3/24 W. Martini Kuhn Corpn- Returns drawings. 5/5 W	
477198	2/18	Anacostia	Apparatus for measurment of antenna constance- fwds photos with report covering.	W.
477475	2/20	Boston Copy Bost-T- Impracticable to use North Truro for calibration. 2/26 To Opr 2/28 RB 3/15	Request suitable vessel be furnished for calibration of compass on GOLDSBORO To Cdt Boston (T) 2/25 Boston- Copy- Recommends early action towards providing vessel. 2/25.	AW
474983	2/18	Bost	Recommends main stays of Destrs having radio compass equipment be broken by suitable strain insulators.	Q-6
478295	2/26	Norf	Request prints pertaining to radio compass house and instln of apparatus therein, be furnished	W.
478224	2/27	To Bur Standards	Fwds translation article by Rene Mesny on "Theory and install of radio compasses on board ship W To Cdt Phila ditto 2/27 To Anacostia 2/27 To Cdt Wash 2/27 To Cdt Bost 2/27 To IM N.Y. 2/27	

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N.S.E. Form 134.

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.
472227	1/28	To Comdt Phila	Reqst copies of bulletin be mailed to Puget Sound W Phila 2/28
473058	1:30	C mm 919-4	Report on oscillating tubes and straight detection method for radio compass at Bethany Beach compass station.W
472345	1/29	To Bur Standards	Fwds copy of article by Rene Mesny on Theory and installn of radio compasses on board Ship. W To IM N.Y. fwds copy 1/29 To Cdt Phila 1/29 To Boston 1/29 To Anacostia 1/29 To Cdt Washington 1/29
470501	1/19	C&R	Copy of telegram to Pug. Sd. approving alterations to upper deck radio houses for radio compass on ARKANSAS, NEW YORK & TENN. W 6 6 6
471522	2/2	To Comdt Phila Phila- Fwds radio compass bulletin 1/21 W To Phila 2-19 Phila. 2/28/21 W Phila- Fwds prrof of instrn bulletins 3/14 W. Phila- Fwds manuscript of radio compass bulletin 4/15 W. Phila 5/9 W.	Radio compass bulletins. Suggestions. W Phila- Subm estimates. 2/11 To Cdt Phila- allotment of 750.00 made. 2/19 Phila- Subm changed estimates for radio compass bulletins. 8/24 W Phila; 9-16: W To Phila- 1-13 allotment of 300 1/13 W 1921 Phila- Fwds radio compass bulletins 1/20 W Phila-fwds corrected proof-4:28-W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
473521	2/4	To Naval Intelligence	Reqst for copies of Bulletin Tech du Bureau Veritas. W	
474427	2/4 2/4	Communications Naval Intelligence	Fwds request of American Photo Service for picture film showing work of radio compass fwd Intell 2/9	W
474020	2/7	To Cdt M.I.	Auth purchase of plot of ground vicinity of Eureka California for station W Mare Island- Asks action. 8/25 W	
474029	2/7	To Cdt Washington	Asks expedite furnishing of items reqstd reqn enclosed. W	
474027	2/6	To IM Norf	Reqst info rel Delco lighting units for radio compass 3/4 KW. W Norf- Fwds special report on Delco Lighting units. 5/1 W	
475263	2/6	Pug.Sd.	Subm report on remodeling of upper deck radio house on ARKANSAS, NEW YORK, & TEXAS & WYOMING.	W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
469411	1/14	Hydrographic Off.	Fwds postal card from M. Fargusson asking if radio compass are for sale.	W.
469440	1-16	To S&A	Reqt shipment radio compasses from Norf to FR. W RB 3/10	
TO CARD		To S&A shipmt from Fleet Base to Quincy 1/29 RB 2/11	To Inspr FR-Advise names and numbers of destroyers to receive equipment. 1-20	
RB 119/8--		To S&A shipt from Boston to Quincy radio appr 1/31 To Inspr Quincy Inspr FR 2/3 2/9	To S&A amendment 1/29 To Inspr Quincy via Cdt Boston 1/30 Inspr FR-1;22	
469443	1-16	To Phila	Radio compass coil model 1512. Reqts fwd prints of. W	
469970	1/17	Operations	Directs radio compass be installed at Pensacola and San Diego Air Sta for obtaining compass bearing aircrft fitted with radio X 918	W
470029	1/16	S&A	Fwds printed matter rel to direction finders for ships, prepared by L. E. Read, American Concul at London.	W.
469444	1-17	To Phila	Radio compass coil. Defects in. Gives detail comment dna fwds prints. 1-17	
470871	1;21	Norf T	Only one radio compass type SE 995 on hand. W cross to 689-12	

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N.S.E. Form 134.

919 DIRECTION FINDERS: 1920

Number.	Date.	From or To—	Subject.
470009	1-20	To M. Fergusson	Suggests apply to commercial firms for radio compass coil and accessories. W
470453	1-21	To S&A	Reqt shipment radio compass coils from Phila to M Is. W
470836	1-22	To Phila	Radio Research problem #26 - Radio compass Determination of relative merits of Damped and undamped Wave Signals using Oscillating and non-oscillating Vacuum tube detector. W
		Phila - submits weekly report-3/12	To Cdt Phila 3/1
TO CARD		Phila- Weekly experimental report. 3/24	Phila- Subm estimate covering work. 3/8
112		Phila- Allotment of $500 sufficient. 3/21. W.	To Cdt Phila 3/11
		To Comdt Phila allotment of $500 4/5	To Cdt Phila 3/12
		Phila-Subm report cov exp work completed. 4/3 W	
450990	1-22	To Wash	Radio Compass. Condensers to be used as compensators for. W
			Washington 1/17
			To- Reqts report of progress of mfg of material.3-10
			Washn-3;15
470848	1-24	To Yards and Insprs	Destroyers. Installation of Radio Compass. W
		Inspr NN-1;29	Inspr NYS-in connection with radio compass installation on destroyers 241 and 250.1;28
		Inspr FR-1;28	Cross to 241-Q-6
		Inspr Cramps-1.29	To Inspr NN 2/6
		To Inspr Phila 2/3	
		To Inspr NYs via C&R 2/2	
471272	1-24	To Phila	Research problem #40- Battleship Radio Compass. Development of. W
			Phila- Ask if should complete Bellini Tossi instln prior to departure of OHIO from Yd. 2/3
			To Cdt Phila 2/6

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[OVER.]

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
464398	12/19	Washington	Radio compass variations under 400 meters; recommendations covering. W. To Bu Standard. Fwds copy of above letter for information and comment. 1-9 To Anacostia. 1-9 Anacostia 1/15 Anacostia 1/15	
464964	12/20	Phila.	Fwds report on method for improving minimum of radio compass apparatus. W.	
465362	12/6	Radio Labr. Bur Stand.	Notes on Radio Triangulation by F. A. Kolster with prints.	W.
465068	12/27	Boston	Fwds special report covering defects in design of model T radio compass. W.	
466071	12/27	Inspr Squantum	Copy of letter to Phila. requesting expedite allowance list in connection with radio telegraph and compass.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
457646	FROM CARD 105		European Forces- Fwds letter from Marconi Co. giving information on loop receivers.	12/1 5
466580	1-3	To Comdt Phila	Radio compass coils, type SE-1512. Fwds special report by Boston. W Phila-fwds prints giving comments on reported defects in model "T" radio compass-1;23	
466822	1-5	To I.M. Ny 704	Radio compass. Repair of/on the U.S.C.G. cutter SENECA. W N.Y.-Submit estimate. 1/19 To Coast Guard. 1-22 Coast Guard-1;24 Fwd S&A 2/2	
467616	12/8	Bureau Stand. Tech. Bulletin	Comments on testand various investigations. X 876. W.	
467781	9/9 1/7	European Forces Fleet Sup Base	Spare parts for radio compass being shipt to U.S. for disposition. W.	787-8
457792	1-8	To 9th Dist	Radion Compass Work -Wave lengths for. W fwds copy of circular letter on.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
457015	11/18	To Cdt Phila	Reqst fwd vandyke prints of drawing listed. W Phila 11-26 Fwds radio compass coil drawings-	
458383	11/19	To S&A	Reqst shipmt from Norfolk to Charleston radio appr for SEMINOLE. W RB-1;23	
458382	11/20	To S&A	Reqst shipmt from South Brooklyn to Boston radio comp equipments. W To Fleet Base asks status of shipt 12/5 copy Bost New York- Gives data on shipt. 12/8	
459871	11-20	Mare Isl.	Submits report of development of radio compass- Makes suggestions re change in design.	W
460003	11-25	F Strattner	Asks if radio compass bulletin #1 can be obtained by one not connected with the Government. To Fred Strattnor c/o Phila Elec Co. non available at present for public issue 12/5	W
459678	11/25	To S&A	Reqst shipmt from Washington to Phila SO radio receivers amplfs. W RB 7/1	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
453853	11/26	Navigation	Fwds reports of NC-4 flotilla on operation of radio compass on.	918
461553	12/4	Washington	Fwds copy of instructions for type SE 1440 radio compass receiver. W.	
461978	11/29	Mare Island	Radio compass test at Point Arquela- fwd reports covering. W	
462478	12-12	To I.M. Yds	Radio Compass - Loading Inductance coil for- Auth to withdraw coils from S.O. and assign to various stations. When withdrawn, chargeable to "Engineering 1920" W	
464348	12/17	Anacostia	Design of radio direction finder equipt; fwds photos of coil recommended for large aircrft. W.	

DIRECTION FINDERS

1919

Number.	Date.	From or To—	Subject.	
454998	11/6	To S&A	Reqst shipmt from Washington to Phila radio amplifier W	
456147	11/1	L C F Horle	Directive radio transmitter.	896
456676	11/8	To Phila	Reqst fwd description of method developed at Ph for minimizing antenna effect on radio compass installations W	
457065	11-10	Atlantic Destroyer (copy)	Asks if satisfactory to have Winslow replace Dickerson on radio compass work.	W
457113	10-31	Mare Isl.	Fwds plans covg radio compass installations on destroyers. To MI 11/19	W
457646 TO Card 107	11/13	To European Forces	(T) Reqst British and French radio authorities be asked names and dates of publ in connn with early work on loop rec loop trans and direc finders in general. W	
		Europ Forces-Copy 6865-Rqst repeat telegrm 8352. 11/16 European Forces-Copy 7176- Marconi & Fleming state no articles published prior to 1902. 12/13	European Forces -.copy 7166 - will fwd pamphlets in connection with - 12/15	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
286224	FROM CARD 101	Phila- Status report 4/20 W.	Phila- Fwds report- 11/18	
TO CARD		Phila 4/26 W.	Phila 11-24 Weekly report	
119		Phila 5/4 W	Phila. 12/2 Weekly report.	
		Phila- Status reports 5/10 W	Phila 12/8- Weekly status report.	
		Phila- Weekly reports 5/15 W	Phila. 12/23.	
		hila-Weekly report 6/2 W	Phila. 12/31- Progress report.	
		Phila- Weekly report 6/15 W	Phila. Weekly report 1/5	
		Phila- Fwds report 6/29 W.	Phila 1/12	
		Phila- weeks status report 6/30 W	Phila-1;26	
		Phila 7/8 W.	Phila. 2/2	
		Phila 7/19 W	Phila- Fwds report 2/9	
		Phila 7/28 W	Phila 2/19	
		Phila 7/30 W.	Phila; 2-24;	
		Phila 8/7 W.	Phila. 2/28	
		Phila. 8/13 W.	Phila. 3/10	
		Phila 8/18 W.	Phila 3/22	
		Phila 8/30 W.	Phila. 4/1. W.	
		Phila. 9/3 W.	Phila. Fwds status report. 4/5 W.	
		Phila. 9-13; W	Phila. 4/14 W.	
		Philadelphia 9/20 W.		
457509	11/12	Inspr Cramps	Request copy of radio compass bulletin #1. W To nspr Phila fwd radio comp bulletin 11/17	
457496	11/8 11/12	9th Dist Com	Subm report of radio communications with NC-4.	W
457624	11/7	Mare Island	Copy of letter to Pacific Fleet requesting Destroyer be assigned for radio compass test at Eureka Radio Station.	W.
458520	11/17	Boston	Fwds radio compass calibration curves of Gillis & Aullick	W.

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[OVER.]

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
454022	10/25	Dept.	Fwds invention covering compensators for radio compasses with specifications and prints, by Asst. radio Inspr W.B. Burgess requesting cash reward. W/ X reward
	Boston- Will make recommendations after device has been tested. 11/19		To Anacostia fwds description 10/30.
	To Boston- autn instal in 12/4 fwd Secty 8/21/20 RB 8/25 W		Anacostia-Subm description with compensator for radio compass, subm by Asst Inspr W. B. Burgess. 10/31.
			To Boston- asks value of compenstor for radio comp dev by W B Burgess 11/10
454212	10/24	Phila.	Confirms telephone conversation in conn with assignment of Destroyer for test of model 1512 radio compass and receiver. W.
454368	10/25	Phila.	Confirms telephone conversation asking if supply of radio compass coils on hand at Phila. are sufficient to meet needs, of Yards. W.
454601	10/4 10/20	CO HOPEWELL Atlantic Fleet	Subm report of firing test in connection with radio compass. W.
455051	10/28	To Phila	(T) Bur advised Com Chief has been directed arrange for destroyer report Cdt 4th Dist for radio comp cal duty period arrange with Dis Cdt re use of this vessel upon arrival W
454902	11;1	To Phila	Comments on radio compass system. W R B 11-25

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
455052	10/29	Naval Intelligence	Subm manuscript entitled "Radio Compass" by Lt. J. B. Will; ask if any objections to publication. W.
454512	10/30	To Y&D	Reqst truck be shipt to Montuak Pt. L.I.N.Y. advising date of same. W
455770	11;3	Marine Corps	Merchant vessels not equipped to transmit on wave length of 750 meters when communicating with radio compass station. W
455610	11/4	To S&A	Reqst shipmt from Washington to Boston airc radio comp amplifiers W RB 11/21
456560	11;3	Boston	Fwds radio compass calibration curve for Rogers & Crowinshield. W
451178	11/4	To Professor Fessenden	Letter of 10/9 to Dept, referred for reply Investigation has shown safest method in using short wave lengths on damped waved and is standardizing apparatus. Should it ever appear desirable will consider prop made W copy toAmdrl Smith Inventions

DIRECTION FINDERS RADIO

Number.	Date.	From or To—	Subject.
443718	FROM CARD 101		Inspr NY.S. 10/17. Shipmt Order 10;16 Received back 10;24 To Phila. 9/16 Recd. Back 10/28 Shipt order 9/16 RB 11/1
451178	12;22	RAFessenden	Fwds copy of translation of Fessenden german patent covering pelorus wireless compass.W
450623	10;27	MI	Submits estimate. To MI- allotment of 325.00 made 11/6
452443	10/17	Boston	Insulation of rigging on Destroyers for radio compass- rqst authority to make installation on 259. W. To Boston-Auth insulation ~~and~~ of rigging on destroyer 259 10;21 W. Boston- Fwds test conducted on Bd TURNER. 12/8
446391	10/1	To Comdt Phila.	Designates USS OHIO to be used for installation radio compass for battleships and expr work in conn with. W. Phila- Request information as listed, be furnished. 12/15
452716	10;14	Boston	Fwds radio compass calibration curve for Southard, Bailey and Schubrick

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N.S.E. Form 134.

919

Number.	Date.	From or To—	Subject.	
451973	?	M I	Diagram of radio compass be furnished. To MI fwd copy of dr 10/23	W
452029	10;13	A E Fletcher	Reqst copy of Navy Text book cov operation of radio compass. W To Genl Staff College, Wash.-Fwds bulletin. 10;20	
452617	10/16	Anacostia	Reduction of ignition disturbance on radio compass, fwds photos with report covering W 918	
452463	10;21	To Phila	Reqst hold in store one stant Type SE1512 radio compass coil.	W
453456	10;22	Boston	Fwds radio compass calibration curve for destroyers Babley and Delong.	W
453715	10/23	Phila. To Cdt Ph rel to inspec 10/25 Inspr Brook- Ask if inspection of balance of material is to be made prior to inspection. 10/27 To Inspr Brook- req detail of rep note date of del of compass coils 10/29	Subm list of mechanical defects found in model key radio compass subm by Wireless Imprvt Co. W To Inspr Brooklyn- reqst of 10/18- not approve will not taken advantage of liquid damage cl if comp within time limits 10/25 cc to Wireless Impr Co. W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
446391	10/1	To Cdt Phila	Designates USS OHIO to be used for instaln radio compass for battleships and expr work in connection with W To Comdt Phila. 1-8	896
449651	10/9	To Cdt Phila	Asks info re feasibility of using underground radio compass- Assigns number- Research Prob 24- W	
~~450781x~~	~~10;9x~~	Anacostia VOID	Reqst material and inventory at Miami be shipped to Reed Flying Field, Reed, Va.	
450781	10;9	Anacostia	Fwds photos and prints of directional field receiver, adapted for airplane reception. W	
451178	Oct	R A Fessenden	Reqst dept obtain refraction cov form of Fessenden Pelorus, wireless compass, by which correction reading can be obtained, fwds copy of patent and specifications. W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

N.S.E. Form 134.

DIRECTION FINDERS: RADIO.

Number.	Date.	From or To—	Subject.	
308529	FROM CARD 24		Shpmt order 3/29 R B 9-12	
445461	9-12	Boston	Submits curves of calibration radio compass on torpedo boats.	W
446015	10;4	M I	Copy of let to Pacific Fleet reqst destroyers be assigned for test. W	
445247	9/15	To Phila	Reqst 12 copies of Radio Compass Bulletin No 1 be fwd Norfolk W	
446210	9/16 9/18	Cmdr. S. Stanworth D. N C	Fwds claim of Earl C. Hanson, priority claim, for Navigating vessels, thru chanels by electric as soon as by cable lead in Fairway. Writer claims plan originated with him, in 1895 at War College. LW	674
447165	9;22	CO PROMETHEUS	Asks if orders issued discontinuing use of vertical antenna in con with compass destroyers. W To- re installns 9/29	
445910 (Old No)	10;1	M I	Fwd	

446391 - CARD 103

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[OVER.]

DIRECTION FINDERS; RADIO

Number.	Date.	From or To—	Subject.
447702	9;25	Wireless Imp Co	Asks if Bu has any objection to furnish Japanese Gov data regarding radio compass equip. W To no objection- provided no details are given out 9/27
447109	9/25	To Boston	Reqst tests be made Bellini Tosi and single coil- showing merits of each type of compass for use battleships. W
448419	9;29	Boston Q-6	Fwds radio compass calibration for destroyers listed.
448036	9/30	To Atlantic Fleet (T)	Reqst reports tests receiving equipment HOPEWELL and THOMAS- W
448998	10/4	To Cdt Phila	Reqst representative investigate and correct errors due to installn Cape May, if found necessary recalibrate compass. W Phila 10;9
449000	10/4	To DNC	Submits summary of radio compass station activities on Pacific Coast to date. W

DIRECTION FINDERS: RADIO

Number.	Date.	From or To—	Subject.
442367	8;26 8;27	Wash Test Shop Washington	Sub report on use of circuit for reception of sigs at Cape May. W To Anacostia- fwds copy of letr of 8/26 9/8 To Radio Lab Bur Stds- fwd copy of letr of 8/26- 9/8 Anacostia 9-12 Comments on criticims of Bur. Bur Standards 9-12 Comments on Bur criticisms To Navy Yrd-Washington-Fwds comment on radio compass signals. 1018
442467	8;29	C C Huey Tel	Reqst auth to write and publish descrip photos of Navy radio compasses. W To CC Henry- sub to Naval Intel 9/4
443111	8;30	Bu Stand	Sub report on radio research propelling #6 compass Galvanometer method. W
443126 Old No.	9;27	Norf	Reqst vandykes. To Norf- fwds prints 9/30
443267	9-2	Boston	Fwds calibration curves for Radio Compass installation BANCROFT, MORRIS and TWIGGS. W
443511	9-3	Boston	Submits print showing calibration curves for radio compass installation for destroyers. W
444181	9/8	To	

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Number.	Date.	From or To—	Subject.	
443718 SEE CARD 103.	9-3	Phila. To S&A ship from Ph to MI 37 radio comp houses 9/16 To S&A ship from Ph to NYS Camden 6 radio comp houses 9/16 To S&A ship from Ph to NN 10 radio comp houses 9/16 RB 9;23 To S&A ship from Ph to Bath 3 houses 9/16	Rqst 200 radio compass houses now stored at Yd be moved- no storage space. Phila 9-11 Rqst shipping instructions be expedited. To S&A req ship from Phila to Cramps Ph 11 radio comp houses 9/16 To S&A req ship from Ph to Norf three radio comp houses 9/16	W
444181	9-2	Everyday Engineering Magazine	Radio compass- Article on- Fwds for inspec. To- suggests sub sketches 9/8	W
443686	9/5	To Phila (T)	Bureau requests that report on radio compass test be expedited No report recd this Bureau this date W	
444776	9-9	Boston	Fwds special report on direction finders.	W
444885	9-4	Mare Isl	Rec transf of skilled radio compass operator for duty at 12th Dist.	W F
286224 SEE CARD105 445205	FROM CARD 18 9-14	Phila. Weekly report 10/25 Phila-Sub report 11;3 ?	Phila 9-10- Weekly report. Phila 11/11 Phila 9-17 Phila-Weekly status report 10;14 Memo of telephone conversation between NY and Operations regarding calibration of radio compass on torpedo boats AYW 496	

DIRECTION FINDERS: RADIO

Number.	Date.	From or To—	Subject.	
440208	8;18	Cape May Tel	Test records on bearings, no variation. To(T)-Radio compass test will be continued for two more schedules on mornings of 19th and 20th. 8-18	W
440207	8-18	To Phila (T)	Attnetion Radio Aid Ballantine. Radio compass test will be continued for two more schedules on mornings of 19th and 20th. W	
440886	8;20 8;21	Nav Naval Intel	Fwds article cov latest radio compass work by John W Kean, asks if sat to publish.	
400558	FROM CARD 75	To Cdt Bost n	Confirms phone conv on 8/19- 8/21 To Boston Tel 8/18 To Y&D- sum of $200.00 allotted, station Damsicove Is. extension of quarters 9/12 TO Y&D-Reqst additional allotment of $1,000 RB 10;14	10;11
	All entries should be on 400558 - 919 - 1			
		See Card 38 of 919-1		

919
DIRECTION FINDERS RADIO

Number.	Date.	From or To—	Subject.
440209	8/21	To IM's Cdts	Rel to adjustment of trans on vessels of Shipping Board for radio compass work on 750 meters W 9th Dist - 8;25 Gr Lakes 9-2 Rqst drawings of transmitters for Shipping Board vessels. (cross 771-2) To GL antenna shortenintg ~~condensers may~~ be obtained on forms S&A 220 9/12 Phila 9-12 Rqst vandykes To Phila 9/18 To Gr Lakes 9/18 Gr Lakes 9-15 Canc rqst for short wave condensers
441153	8;21	Com	Kaiserin Augusta Victorian -cov disturbances. Cross to vessels. W 416
441812	8;22 8;22	Anacostia Airc Radio Lab	Radio compass station under 4,000" submits report coering. W
441847	8;23	Phila ~~-Tel-~~	Fwds drawings. W

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DIRECTION FINDERS: RADIO.

Number.	Date.	From or To—	Subject.	
439061	8;11	Cape May Tel	Rec conditions uncertain, reqst Ensign Crossley bring arc radio ~~set~~ compass. To Cape May Tel 8/12	W
439527	(Old Number)		Copy of tel conv between Comnt 3rd Naval Dist and Lt Wild regarding radio compass work on destroyers. W	
439311	8;2 8;11	O E Curtiss Nav	Asks if Bu can furnish pamphlet. W	
439349	8;12	Phila	Preliminary report on method of improvement of maxima radio app, submits report. W	
439551	8;12	Phila	Fwds preliminary report on method of improving maxima of radio compass app. W	
440015	8/15	Wash	Instruc covering radio compass for standard spark transm W 898	

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Number.	Date.	From or To—	Subject.	
439741	8;13	Washington 654	French method for compensating effect ground filiment battery for radio compass instal, report cov.	
45712	8/12	To Wash.	Reqst fwd revised specifications cov manuf of radio compass receiver in order that contr may be amended to provide for same. W-S	629
439870	8;15	Phila Tel	Radio compass test fairly sat. sug use of larger antenna. W Cross to 903 To Ph Tel 8/15 To Cape May Tel 8/15	
440107	8;16	Cape May Tel	Report of test. W Cross to 903	
440175	8;15	Bu Stand	Special radio report cov method of improvement to maxima of radio. W	

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[OVER.]

1919

DIRECTION FINDERS: RADIO

Number.	Date.	From or To—	Subject.
436079	7/30	To Comdt., Phila	Reqst be furnished with brief report on comparative accuracy and range of radio compass coils on 450 and 750 meters wave lengths. W Phila 9-18
436371	7;15	Norf	Fwds news paper clippings and various comments on direction finder instal at Hog Isl and Cape Henry. W
436392	8/1	To Phila	Has assigned investigation of relative merits of "Arc" and "Spark" Reception in conn W Radio Direction Finding to Bureau of Standards, known as Problem 25- Radio Compass.
437088	8;2	Boston	Fwds radio compass callibration curve for destroyers listed. W
435029	8/2	To S&A	Reqst shipmt from Phila to Boston radio comp coils and houses. W RB 8;14

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N.S.E. Form 134.

DIRECTION FINDERS: RADIO

Number.	Date.	From or To—	Subject.	
434116	7/18	J.L.Bernard Jr	Req chart showing orig radio compass expr To fwds copies of charts tested by CHICAGO 8/5	919-1
435158	7/28	To NY	Sec of navy establishing wave length of 750 meters for all radio comp work req stations 3rd Dist be calibrated W	919-1
437665	8;2	Boston	Radio compass and destroyer, fwds spec report. W Cross to 496	
437600	8/7	To Inspr Cramps 496	Quotes from letter from Radio material officer calling attention to instances in which contractor failed to comply with spec, destroyer installn W	
437601	8/7	To I spr NYS	Quotes from letter from radio material off rel to faults in destroyer compass inst alln W	
	To Insr NYS- gives number of spec asks greater card in installn of radio compasses at contractors yd 9/2		Inspr NYS- 8.19 To Phila-Faults in radio comp instal. 8;28	
	Inspr NYS	9-4 Acknowledges		
416876	4/15	To Phila	Info reqstd possible date which instrucn pamphlets for operation of radio compass will be sub to Bureau for approval W:	919-1

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[OVER.]

Number.	Date.	From or To—	Subject.	
~~434592~~	~~7/22~~	~~Bijur Motor Appliance Co~~	~~Asks if have any information concerning electric starters on Sunbeam engines installed in H-64. DA~~	~~736-19~~
432564	7/18	To Secretary Navy (Oper)	Re failure of radio compass on the NC-3. States facts ascertained after investigation into all circumstances. DA.	736-19
435029	7;23	Boston	Reqst radio compass complete be furn for use in radio lab for demonstration purposes. W	
			To S&A req shipmt from Washn to Boston radio apparatus 8/5	
			Phila 9-13 Status of shipment	
431377	7/26	To Comdt Wash Yd Rad Research Lab Bu Std Airc Lab Bu Std	Gives report made to Bu of SE on method empl by French Govg to compensate capacity effect of filament battery to ground in their radio compass installn crss to 919 and FG also Circular letters W	896
399233	7/28	To Comdt 7th Dist	Not contemplated start erection of proposed radio compass stations at Key West until after other stations on Gulf and Pacific Cost completed W	604

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N.S.E. Form 134.

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
435568	7/28	To Everday Engr Magazine	Permission granted to publish photos and descriptions req letter of 7/22. W
SEE BELOW		publicity	**Everyday Engineering Magazine 9-9 Fwds clipping from magazine on article concerning direction finders.**
			Wireless Improvement Co 11/21 Rqst auth to supply Everyday Engr. Magazine with photo of radio compass coils.
			Wireless Improvement Co 11-26
435443	7;26	MI	**Tel-Sub final estimate radio compass station San Francisco. W**
		(Every-day Engineering Magazine)	
435568	7;22	Ever Ready Engr Magazine	Rqst permission to publish article on International Radio Co editorial and Western Elec Co Tel sets on which one can transmit and rec with one anterma. Cross to Laf.
SEE ABOVE		see above 920-1	To Wireless Impr Co-Permission granted if photo labeled "By Courtesy of Dept" when produced in Every-day Engr Magazine 11/25
434015	7/29	To Sec of Agriculture	Desirous of locating radio compass station on Ozette Island near Cape Alva, Washington; Auth req to occupy this land. W.
			Dept of Agri. 8;7

1919

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
430509	7/10	To S&A	Req shipt from Phila to N.Y. radio compass coil and compass house W for installn COLUMBIA RB 12/1
432175	7;11	Boston	Conf tel conv in con with transf of Marconi goniometer from Gloucester to Co Birmingham. W To Boston- reqst info re appr on hand Boston 7/25 Boston-Report on app transf from Birmingham. 7;30 To Boston- assigns problem to Boston Yard No 1. 8/7
432687	7;7 7;15	Naval Academy Naval Intel	Reqst of Holland to publish text for use of Midshipmen in con with operation of radio compass, fwd. Fwd D.N.I. 7-16
432696	7;9	Atl Destroyer	Reqst disposition of pamphlets on instrus of radio equip compass. W
433128	7;16	Com	In con with future use of direction finder brought out at meeting of Marconi Co in London on 6;20 W To European Forces- quotes from memo, in re to future of direc finder 7/24 European Force 9-3 Comments on Marconi direction finder.

DIRECTION FINDERS. 1919

Number.	Date.	From or To—	Subject.	
432967	7-15	Boston	Method of calibration of radio compasses on shore. Report covering.	W
434119	8;15	Inspr Newport News	Fwds plans of auxiliary radio room.	W
434118	7;18	Boston	Report of volts in radio compass instal on destroyers. W To Inspr NN- quotes from letter from radio material officer, rel to faults in destroyer compass installn 8/7 cc to Norf	
434411	7; 3	Bu Stand	Research propelling number #9 under direction finder report cov. W	
434721	7/24	To Comdt Wash	Req yd assist in conducting tests upon receipt of info covering. W Wash Yd 9-2 Gives schedule for test of radio compass.	
434722	7/24	To Comdt Ph	Desires info re variations in radio compass readings on wave lengths below 4000 meters. W To Phila Tel 8/8 To Phila Tel 8/12 To Phila asks re tests 8/29 Phila 9-8 Fwds plans Phila 9-8 Letter of 8/29 was answered letter of even date.	

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N.S.E. Form 134.
DIRECTION FINDERS

1919

Number.	Date.	From or To—	Subject.	
428055	6/25	To Comdt Phila	Acknow receipt of drawing marked for estimating purposes only, reqst fwd vandyke prints of drawing for mfg purposes W	
428550	6;24	Cape May	Sub report on radio comp test.	W
428464	6;19 6;25	N O Y&D	Bu type plan number 1 for radio compass house, fwds prints with comments as to correction of Grand Isle and Pass A Loutre compass stations be erected in accordance with station plans. W Cross to 919-1 and 924 fwd Y&D ,6/30	
429216	6;26	Y&D 919-1	Reqst allotment cov over expenditures at Cross Isl. Damiscove Isl. and Appledore Isl. W	
428982	6/28 Phila- 7;30 Phila 7;30	To Comdt Phila	Desires use number of cuts shown in bulletin one, asks fwd. W To Phila- info req date of fwd cuts 7/3 To Comdt Phila- reqst info who has possession of cuts, and what action be takne to obtain loan of same 7/8 Ph-7;3-Fwds phtooes. Ph-7;2-Fwds photoes. Ph-Fwds radio compass cuts. 7;11 To Phila- asks use of cuts ,7/18 To Phila- info req action taken 7/24	

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[OVER.]

Number.	Date.	From or To—	Subject.	
429489	6;24 6;28	Cape May Cape May	Radio compass test, report cov, reqst GE U tube transm be furnished.	W
429633	6;27	CO REC SHIP ERISCO	Sub comments for use of radio telegraphy for determination of proper course for vessels to steer when entering port. To E W Stone- acknow receipt of suggestions 7/12	W
429921	6;26 None	C Gibbons Jr/ Naval Consulting Brd 896	Radio direction finder designed for purpose locating direction Hertzen or submarines, asks who is responsible for invention.	W
430724	7;1	Cuyanel Fruit Co	Instal of wireless plant at Puerto Cortez, asks if Bu interested in. Cuyamel Fruit Co-Sub comments, 7;16 fwd Commun 7/22 To Cuyamen Fruit Co- refer to Commun 7/22	
430508	7/8	To Comdt Washn	Req fwd to Wireless Imp Co vandyke print of drawing R W 61A 116- also three copies to Bureau W. ; Wash-Fwds vandykes of insulated post. 7;16	

DIRECTION FINDER:

Number.	Date.	From or To—	Subject.	
425145	6;10	Post Office Dept	Reqst price of transm set complete in lots of one and five sets.	W
425357	6-11	Destroyer Force #2	Submits report of calibration of radio compass station on destroyers listed. Destroyer Force-Report on radio comp work aboard destroyers. W 6;26 fwd Destroyer Force 6/28	W
425613	6;14	Boston	Radio compass calibration curves fwd.	
425895	6;16	Ph	Set of prints of compass coil, name plates, etc. furnished to mfgs listed, also report of conference held at Germantown.	W
426125	6;17	Price Bros	Reqst fwd spec for radio comp.	W
36124	6/7 6/12	Sperry Co. S & A	Rel to price for changes in design of radio compass. S. Fwd S&A 6/12	629

Number.	Date.	From or To—	Subject.	
426244	6:6 6;17	Ensign G E Berghardt Com	Fwds copy of radio compass manual reqst be returned. Fwd Com 7/29	
422101	6-21	To New Orleans	Advises charging unit for station Grand Is being shipt. W To NO Tel: 14119 allotment made K 6-20 To CG- sum of 300 alloted 7/1 To NO- summary of corresp charging unit ship to NO for instal Grand Is 7/1 cc to Radio Mat Or NO Coast Grd- 7;5	
427391	6-21	To Communications	Confirms del of prints to rep of Director of Communications W	
422109	6-20	To NO	Advises two steel tubular one hundred foot masts shipt NO from Chasn for installn Grand Is .	
427731	6:21 To Phila- asks fwd detailed estimate be fwd 7/17 Phila- Sub report on expenditures completed. 7;22 To Ph- approve research work no spec alow be made 7/29	Ph	Reqst auth for additional allotment of $10,000 for radio Research. W Cross to Allot and Apropriation. To Phila- info req re amt of 10,000 should be in addt to all sums auth 6/30 Phila - 7;11	
431588	6/16	European Forces	Submits report of visit to British Exp Radio Sta and status of investigation. W.	652

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
420680	5-26	To Phila Yd Tel	Req expert radio aid C S Ballentine and Radio draftsman N S Fogg, report navy yard Wash May 28th for radio compass conference W	
419289	5/27	To Bur Standards	Interference with radio compass of ignition system on NC planes- Submits report of tests covg - W.	736-19
45009	5/26	To Mazer Acoustile Co	Fwds blueprint copy of details for radio compass houses. W.	629
421560	5-29	To S&A	Req ship from Norfolk to New Orleans three kw 32 volt Genco gas eng gen units. W for instalin Pass A Loutre, Grand Is Bruwood. N O-Reqst allotment be made cov radio equip. N O- Tel-Reqst action 6;17 To NO Tel 6-19 N O- $800. K 6;20	RB 6;24 6;11
421526	5;26	Boston	Fwds radio compass calibration curve for destroyers listed.	W
421992	5;24	Pg Sd	Fwds copy of paper prepared by R Marriott entitled "Elec Sig Method for Guiding Vessels" reqst authority to present before Inst of Radio Engrs. To R H Marriott- no object to publ	6W6
421561	5-31	To S&A	Req ship from Phila to New Orleans radio comp coils for station Pass a Loutre G Is CG 214 and Burrwood La W To S&A req ship from Washn to NO radio rec and other material W 5-31	RB 7;24 RB 6;19
422109	6;18	New Orleans	Asks who will furn towers for for erection Ground Isl. Tel N O-Reqst infor the type of shore unit which will be furnished. 6;26	

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Number.	Date.	From or To—	Subject.	
422725	5;29	Boston	Fwds copy of report of use of radio compass during voyage in con with Trans-Atlantic flight.	W
423329	6;4	Boston stationery	Blotting paper for radio compass calibration fwds proposed sample with comments on. To Boston- reqst sufficient diagram be purchase take care of requirements for next three months 7/9 Boston 12/3	W
423424	6;3	Destroyer Force	Sub data on radio compass during voyage in con with transatlantic flight, on Ward. fwd Commun 6-21	W
422494	6-4	To S&A	Req ship from Phila to Mare Is, one radio compass complete type SE-995-	W
423986	6;5	Bu Stand Lab	Modulation test of airc radio transm, fwds oscilliogram with report cov.	W
424997	6;12	Natl Elec Sup Co	Returns spec for radio direction finder coil.	

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Number.	Date.	From or To—	Subject.	
417515	5-19	To American Radio & R Co	Permission to visit radio station in vicinity of Boston granted. suggests location in vicinity of Glouchester. W	
418826	5-19	To Boston	R eqst radio compass personnel of Yard Boston be instruc to oversee installn of radio comp on PITTSBURG. W Ports Equip installed comp on Pitts	6;14
419294	5-20	To Boston	Instructions rel to installn of radio compass shore stations. W	
420190	5;19	Ph	Conf tel conv in con mod drawings of new radio compass, same to be furnished Bu 22nd. W	
420270	5;21	Boston	Maintenance of condition existing on after deck house of destroyers during calibration, comments on necessity for. W	
419659	5;22	Charleston Tel	Wrok held up awaiting arrival of masts. To Chash Tel 5-21	

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Number.	Date.	From or To—	Subject.	
420535	5;22	Boston	Radio compass instal on destroyers, effect metal object on, when attempt to calibrate was made.	W
356428	5-22	ToComdts, Insprs,	Advises unilateral features is to eliminated on all radio compass installns on board ships. W	
420694	5-22	Bur of Standards Lab.	Nocturnal variations of radio direction finder- Submits report covg - W	
[illegible]	5-24	To Norfolk		
421049	5;23	Boston	Radio compass instal on destroyers, effects sound screen on auxiliary antenna rat-tail, submits report.	W
	To Ports- fwds copy of letr of 8/22 instructions to Yds 9/30		To Inspr-s- Instruc re install of radio compasses on destroyers 6-18	
	Inspr Union- 4/7 W.		MI 7;18	
	To Inspr Union, under cognizance C&R for mfg and installn 4-17		To MI-Asks that instruc be modified. 8;22	
419656	copy C&R 5-26	To S&A	C&R-Copy of instruc to Navy Yrd. 9;3 Reqst ship from Washn to Phila radio material for stock yd Phila. W	

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DIRECTION FINDER:

Number.	Date.	From or To—	Subject.	
417267	5;8	Destroyers Forde Sq 2	Reqst that all navy yards be given infor as to wire instal of radio compasses.	W
NSA 1313	5-9	To Firms listed	fwds copy of drawing radio direction finder coils W-R	
417539	5/10	Boston	Submits statement showing maintenance allow- ance necessary during the fiscal year 1920 for radio and compass shore stations. W.	914
417620	5;3	War Dept	Data on direction measurments of radio tel sig, fwd. To War Dept- asks further info results of test 5-14	W
418125	5;12	Phila	Asks if instruc contained in pamphlet issued by Ph Yrd are not explicit enough to permit instal of radio compass by ship yrd force, if not will prepare another bul- letin.	W
418087	5;9	Bu Stand	Reqst infor concerning direction finder to be taken on Arlington.	W

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Number.	Date.	From or To—	Subject.	
418206	5;7 5;13	CO CUYOMA Com	Fwds report of bearings received from various shore stations. CO CONN-Fwds report of bearings received from various shore radio compass stations. CO VONSTEUBEN-Fwds report of bearings rec from various shore radio stations. 5;13 CO ARGONQUIN-Fwds report of bearings rec from various shore radio compass stations.	W 5;13 5;13
418145	5-15	To Bureau of Standards	Fwds data on radio direction finders exprs which fwded from Signal Corps. W	
417457	5-16	To Y&D	Reqst construction of one story house near Damiscove Is CG 18 for shelter of trans set. W	
419896	5;15 5;16 To Bu 7/23	Lt T Appleby Com Standards- req data be fwd	Calls attention to under gr shore radio compass experiments in 1916 with Prof. L M Coll of Central High School, Ph. To Bu Std- cop y of letr fwd f ro ro info 7/12 Bu Stand-Reqst under gr radio comp method be thoroughly tried out. 7;18 7;18	W
34429	5/12	Phila.	Radio compass- Internatl R/T/Co. states expert radio aide Sharples assigned to duty in place of Forbes. W.	629

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
413505	4;24	C&R	Copy of letter to B E Jarvis stating no schedule prepared covering radio compass house.	W
413344	6;30	Charleston	(Old Number)	
>414373	4;23	CO Sup	Submits report of radio compass bearings from Gauntanamo to New York.	W
413980	4;28	To Boston	Effect of arc magnetic field on ship's compass.	W
414139	4/25	Phila	Conf tel conb in con with radio instal and radio compass pamphlets. Ill. Ohio, Blackely, Biddle, Borney and Dupont. W.	876
415395	4;29 4;30	CO CHAMPLAIN Destroyer Force	Submits report of cruise ex German sub in con with radio compass. W	
>414577	5;1	To Boston	Assignment of radio storage batteries to Cross Isl, Damiscove and Appledore Isl. W To S&A-Regst ship from Va. to Charleston of radio storage batteries. 5;1 RB 6;3 S&A-Copy of shipmt order cov radio storage batteries from Boston to Damiscove Isl. 5;3	

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[OVER.]

Number.	Date.	From or To—	Subject.	
415719	5;2	Bu Stand	Fwds copy of letter to Hampton Roads reqst infor in con with direction finder on Arlington.	W
415126	5;2	To Phila	Windings for radio compass coils. Phila 5/14	W
416229	5;5	C&R	Radio compass house, req infor listed in con with preparation of plans. C&R-Reqst action 6;19 C&R 7;25 C&R 9/4 Request action. W.	W
416712	5;6	Akron	Reqst information re radio equip for derigible.	W
415682	4/30	Hampton Roads	Fwds copy on constancy of direction of spark set sig received on direction finders.	918 W.
417075	None "	G E Reid Dept	Reqst descrip of naval device used to indicate direction of wireless messages. To- has no publ of this kind info may be obtained from Bu Std. 5-13	W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
412214	4;17	Airc Factory	Confirms tel conversation rec authority to locate generator for transm between after starboard engine braces on F-5 boat.	W
412055	5;3	Airc Factory	Status report.	
412380	4;18	Phila	Conf tel conv asking if suf space on M-9 seaplane for instal of ammeter and rec in front of dummy tank.	W
412612	6;25	Charleston	(Old Number)	
412567	4;16	BU STAND	Fwds report of radio compass variation on continuance wave.	W
411468	4-15	COM	Fwds copy of letter from USS WILKES reports on radio compass bearings W	919-1
411926	4-17	Commun	Shore radio compass opr fwds report from PITTSBURG	919-1
412587	4;19	Com	Shore radio compass operation, report of bearings furnished El Sud.	
13959-595	4/27	ComdtM I Eng	Radio Telegraph- Radio Compass- Reception of Submarine bell signals.	

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Number.	Date.	From or To—	Subject.	
412636	4;21	B E Jarvis	Req schedule number of 200 radio compass houses.	W
412517	6;2	TO S&A	Received back 6;6	
413083	4;22	Norf	Fwds calibration record of radio compass instal at Yrd. req 500 copies of stand form. To Norfolk- fwds form for radio compass calibration, 5-21	W
409442	4-22	To Boston	Reqst all compass coils at compass stations in 1st Dist be checked, W	
413270	4;17	CO SANTA TERESA	Submits report on test of radio compass installation.	W
412464	4/19	NY	Fwds report on radio compass calibration-W.	496-771
412467	4/19	NY	W. Fwds report on radio compass calibration	516-771
412463	3/19	NY	Fwds report on radio compass calibration. W.	816-771

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
408640	4-12	To Boston	Asks special attention be given to keeping radio compass stations in efficient condition W
409424	4-14	To N.Y.	Asks special attention be given to keeping stations in efficient condition/ W
409426	4-14	To Phila	Asks special attention be given to keeping stations in efficient conditon W
410176	4-14 TO S&A- 10;10 Fwd	To Comdt Boston	Gives allowance of tools and equipment for each radio comp sta in 1st Dist. W To NY- allowance of tools and equip will be as listed 4-16 To Phila allow of tools 4-16 To Boston allow of tools 4-16 To Norf- allowance for tools and equip for stations 5th Dist 4-17 To Chasn ditto 4-17 Norf 10;8
410400	4-14	To Naval Comm. R Bennett	Asks detail to each District one man, instruc radio compass operators. W
410698	4-14	To Norf	Asks special attention be given to keeping radio comp stations in efficient conditon W Norf 4;24

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DIRECTIONS FINDERS

Number.	Date.	From or To—	Subject.	
410699	4-14	To Chasn	Asks special attention be given to keeping station in efficient conditon W	
411681	4;15	Inspr Keyport	Shipment order be issued covering radio app listed.	
411232	4-16	To Phila	Reqs representative bring with him sample coil, constructed at Phila Yd. W.	
410685	4-17	To Y&D	Reqst furnish estimates in conn w pruchase of six 100' steel masts, tubular, W Y&D- 4;23 To Y&D-Makes allotment. 4-26 W Y&D - 5;5 To Y&D addtl allotment of 10,440.00 made 6/25 To Y&D- addtl allotment 6/28	
412023	4;18	CO DESTROYER FORCES	Req permission to permit unilateral on radio compass destroyer force, and to use only bilateral. W To Flotilla Two dest force. author granted to dismount unilateral antenna 4-19	
410693	4/15	To Phila	Reqst fwd two vandyke copies of RL 9A 101A and RL 69F 180, 30 inch radio compass coil W.	898
410241	4-19	To C&R	Sum of $100 allotted to cover cost of removal and reinstalln. rW TOPEKA to SP EDWARDS. W C&R- Copy of let to Boston authorizing work 3;21	

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DIRECTION FINDERS 1919

Number.	Date.	From or To—	Subject.	
409428	4-9	To Bo ston	Installn Watch Hill being accomplished by Yard N.Y. W	
409431	4-9	To Phila	Instruc to prevent , re changes affecting operation stations 4th Dist. W	
410155	4;4	USS FLEET	Req services of men listed attached to radio compass office Boston for over hauling of radio compass of Fleet. To PENNSYL- men for radia duty ordered to report- 4-12 ToNY- reqst orders be issued men listed 4-12	W
410241	4;10	Boston	Req authority and allotment to cover removal radio compass house USS TOPEKA and installation on EDWARDS.	W
409064	4-10	To Chasn	Authorizes installn Georgetown Lighthouse radio storage battery. W To Chasn- reqst expedite installn 4-22 Charleston 4;28	
409423	4-10	To Norf	No changes be made in wiring o r arrangement of appara us, as metallic objects remain in same position as when station calibrated. W	
409426	4;18	Phila	Radio gunner or ensign be detailed. TO PHILA-Detail of Chief Elec. sat to BU	W 4;25

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
409427	4-10	To NY	Reqst report be submitted installn CG 58 at Watch Hill- W To NY- reqst confirmation of info recd 5-15 NY-Fwds report 5;20 NY-Calibration curve Watch Hill Comp Sta	5;27
409604	4-10	To Chasn	Instruc to prevent error in radio compass readings, no changes be made in ar angement W	
410177	4-11	To Commissioner Lighthouse Dept Com	Reqst prints of property owned or leased by Bureau L.H. on Pacific Coast be submitted with data W	
410179	4-12	To Inspr Brooklyn	Reqst inspection plant and factory, fwdg report covering re factory Dilwood Mfg. Co. W Inspr Brook-Sub report on Dillwood Mfg Co. 4;16 To Brook- fwds plan 4-23. Inspr Brook-Reports plans on investigation of Dillwood Mfg Co. 4;24 To S&A- report of inspr 5-6	
410532	4;11	Norf	Req fwd instruction book for radio compass. fwd Phila 4-14	
410590	4;12	Dept	Copy of tel to 5th Dist directing detailed chaser equipped with radio to report to Newport for duty in connection with calibration of radio compass.	W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
408627	4-7	To Boston	Reqst list of apparatus be fwd, station Surfside Nantucket Mass, inventory W Boston - 4;17
408628	4-7	To Boston	Reqst list of apparatus be fwd, station Price's Neck, Newport, inventory W Boston-Lists app installation at compass station Proces Neck. 4;21
408637	4-7	To Boston via S&A	Reqst typewriter for Bar Harbor, approval in advance, reqst expedite W
408638	4-7	To Boston via S&A	Reqn approved in advance for typewriter Damiscove Island, reqst e xpedite W
408639	4-7	To Boston via S&A	Reqst approved in advance, typewriter for Appledore, Is. reqst expedite W
408642	4-7	To Boston via S&A	Reqn approved in advance, typewriter for Glouchester, expedite W
408641	4-8	To Boston	I nstructions to prevent, affecting operations radio telg stations 1st Dist. W
408640 see card 88			

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
408842	4-8	To Boston	Fwds copy of instructions W	
408843	4-8	To Boston	Reqst approved typewriter for Fourth Cliff Sta. W	
408844	4-8	To Boston	Reqn approved typewriter, North Truro sta W	
408841	4-9	To Boston	Reqst approved typewriter Deer Is. W	
409061	4-9	To S&A	Reqst shipment from Chincoteague, Va. CG. Station 150 to Norf, for dispostion by Officer Smith Is. W RB 5;19	
409062	4-9	To S&A	Confirms phone conversation, re three radio compasses shipt to Quincy for destroyers 252 253 254 April 15th- W	
409425	4-9	To N.Y.	Reqst make no changes affecting operation, W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
407715	4-5	To Y&D	Reqst constructionof house for trans station Georgetown Lighthouse North Island, S. C., sum of $400 allotted W	
407717	4-5	To S&A	Req shipment frm Fleet Base to Chasn radio trans set, W	
407964	4-4	To S&A	Req shipment from Washn to Chasn, wavemeter fot installn Georgetown LH North Is W RB 5;29	
407980	4-5	To Boston	Reqst list of appr installed at C. G. 2 Cross Is similar to condensed inventory compiled at end of quarterly inspections be fwd W Boston- List app installed Cross Isl. 4;12	
408422	4-5	To Comdt Boston	Reqst list of appr, re Bar Harbor be fwded W Boston-List app installed Har Harbor. 4;12	
408439	4-5	To Chasn	Instructions re installn of apparatus at Georgetown Lighthouse W	
408444	4-5	To Boston	Reqst list of appr be fwd, re Damiscover Is similar to inventory W	

Boston-List app instal at Damiscove. 4;12

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
408445	4-5	To Bostn	Reqst fwd list of appr installed at Appledore Is, similar to condensed inventory compiled at end of quarterly inspec, W	
408455	4;12	Boston	List app installed at Appledon Isl.	W
408648	4-4	To Chasn	Author to installn, one Lalley engine, Georgetown Lighthouse Sta. W	
409111	4;4	Phila	Conf tel conv in con with checking over radio compass coils data.	W
407188	4-7	To C&R	Reqst make arrangements del 200 radio compass houses navy type SE 1513, Phila for installn vessels, fwd drawing W C&R - 4;24 fwd C&R 5-28	
408446	4-7	To Boston	Reqst list of appr ins alled at Glouchester be compiled inventory. W Boston-List app installed Gloucester. 4;12	
408452	4-7	To Boston	Reqst list of apparatus instaled at Deer Is be fwd, inventory W Boston-List app instal at Dere Isl. 4-12 To Boston- reqst locate batteries 4- 17	
408453	4-7	To Boston	Reqst list of apparatus be fwd, inventory Humarock Mass stations W	

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.
407177 See Card 82	4-2	To C.G. Coast Guard- 10/22/21. W.	Re letter 3-31 to Secty Agriculture, establish of direct telg and telp commun between plotting room CG 161 Cape Henry and Virginia Beach sum of $400.00 allotted cost of- W To CG- re establishment of- instruc 4-11 Coast Guard-Work completed - request transfer of money. 5/29 W
407181	4-2	To CG	Reqst telg and telp cable be shifted, re improvement of operation of rad comp CG 155 Hog Island W Coast Grd-Issue instructions. W 4;5 Coast Grd - 4;30
407277	4-2	To S&A	Req shipment from Phila to Otter Cliffs portable Weston voltmeter. W Received back 4;21
407408	4-2	To Communications	Correction sheets for Cape Hatteras W
407276	4-2	To S&A	Req shipment from Phila to Boston Weston voltmeter for Cross I s. CG 2 W RB 4;24 Phila 4;12
408215	4;3	Deforest Co	Req place name on mailing list in con with bids on compass receivers. W To- advises will do so 4-7
408377	4;3	Boston	Req airplane rec and control panel be shipped to Boston for use in test on Cromwell. W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
407418	4-4	To Norf	Fwds corrected sheets for Cape Henry, 600 and 952 meters W	
407712	4-4	To Communications	Fwds corrections sheets, for Cape Henry. W	
407698	4-3	To Comm	Reqst stepa be taken to simplex existing tel line between Chasn and Morris Is W allote of $100	
407714	4-4	To Chasn	Reqst stations be erected at Georgetown LH, W	
407776	4-4	To Boston	Reqst report be sub, re status of CG 58 Watch Hill W Boston-Fwds description. 4;10	
408859	3;3	Boston	Radio compass station instructions fwd. 12, copy.	W
407353	5;2	To S&A	Received back 5;24 Shpmt order 4/2 R B 5/31	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
407182	4-1	To Phila	Reqst fwd two sets of prints of drawing 69F 103B radio direction finder. W Phila-Fwds prints 4;8	RL
402523	3-31	To Comdt, Washn.,	Authorizes mfg of three amplifiers similar to French type L-3, sum of $300.00 allotted, for use installn trials -	
407736	2;26 3;2	CO HENDERSON COM	Sub report on radio compass bearings.	W
407923	3;28	Pg Sd	Fwds prints of special radio report with radio compass chart with possible location at mouth of Col River.	W
407961	4;1	Bu Stand	Radio compass variation, submits report on observation taken at New Brunswick on long continuous wave. To Western Elec- fwds copy of report 7/17	
407188 Old No.	5;6	C&R	Fwd. C&R-Reqst issue instruc for shipmt.	5;21

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
406243	4-1	To S&A	Reqst shipment from Washn to R ockaway Beach telephones W
406244	4-1	To S&A	Req shipment from Washn to Sandy Hook, telephone equipment W
406245	4-1	To S&A	Req shipment from Washn to Mantoloking telephone equipment W Com Super NY - 4;30
406246	4-1	To S&A	Req shipment from Washn to Cape May, telephone equipment W
406247	4-1	To S&A	Req shipment from Washn to Cape Henlopen, Lewes Del, tel equipment W
406248	4-1	To S&A	Req shipment from Washn to Norfolk tel equipment W
406249	4-1	To S&A	Req shipment from Washn to Charleston, tel equipment W
406250	4-1	To S&A	Req ship from Washn to Charleston, tel equip for Cahrleston Lighthouse Morris Is W RB 5;19
406233 Old No.	3;29	TO S&A	Received back 5;9

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
406240	3-31	To S&A	Reqst shipment from Washn to Newport R.I. radio apparatus for Prices Neck CG 53- RB 5;5
406241	3-31	To S&A	Reqst shipment from Washn to Montauk Pt radio appr for
406242	3-31	To S&A	Reqst shipment from Washn to Fire Is. radio appr for. RB 4;22
406491	3-31	To N.Y.	Reqst installn 3/4 KW gasoline engine charging unit CG 97 Sandy Hook in bldg/ sum of $50.00 allotted to cover work To Y&D- sum of $250.00 allotted 4-1 Phila-Submits recommendations. 4;21
406497	3-31	To Phila	Reqst recom be submitted embodying material within reason necessary to oper ate, comfort personnel of radio compass stat dist.
406680	3-31	To Secty Agriculture	Advises steps taken establishment of direct telegrphic and telephonic commun between CG 161 Cape Henry and Virginia Beach necess installn of metallic circuit, ask formal permission-
407177	4;8	Coast Grd	Req cable be shipped to Coast Grd Station 161. Coast Grd-Estimated cost cov additional wire. 4;8 W To CG- re shipment from Newport 4-12

See Card 84

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
406681	3-31	To N.Y.	Reqst recom be submitted embodying material necessary for comfort personnel stations within dist., N Y 6/13. Montauk. Makes rec for. W	
406682	3-31	To Norfolk	Reqst recom be sub embodying material necess for comfort personnel stations within dist.,	
407353	3;25 3;27	Coast Grd Com	Req cable for Coast Grd line, Grays Harbor, Col. River and radio compass station at Coast Grd 309 and North-head, Wash., recs approval. 704 W To S&A req ship from Boston to CG 309, cable for Grays Harbor 4-2	
406690	4-1	To Charleston	Reqst recommendations be submitted embodying material for operating personnel of compass stations in first naval dist. W	
407178	4-1	To Norfolk	Reqst 140 sq ft of linoleum be shipped to CG 155 Hog Island, for flooring purposes-	
407179	4-1	To Y&D	Reqst walls of CG 157 Smith Is be lined with beaver board, and floor be covered with linoleum- sum of $100 allotted for cost of-	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
406880	3;29	Boston	Fwds radio compass calibration curves for McKean and Barney.	W
406232	4;3	Boston, Fwd	(Old Number)	
405679	3-28	To Phila Tel	For Dist Radio Material Off SE 1012 receiver expressed from Washn March 25th lading one two nine eight three W	
406251	3-29	To Phila	Reqst fwd two sets of vandyke prints of instrucn booklet for type SE 995 radio comp Phila-Fwds radio compass instruction pamphlet. 4;8	
406815	3;29	Boston	Fwds compass calibration curve for Damiscove Isl and Dere Isl.	W
407134	3;31	Com	Recs radio compass station authority for Ground Isl be located in vicinity of Timbalier Bay.	W
406348	5;1	TO S&A	Received back 5;6	

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Number.	Date.	From or To—	Subject.
407231	3;28 3;31	1st Dist Com	Humorock Compass Station, quarterly inspec report of. To Boston-, reqst estimate be sub 4-4 R B 4;25 with prints.
406233	3-29	To S&A	Reqst shipt from Washn to Boston radio apparatus for station Cross I sland-
406234	3-29	To S&A	Reqst shipment from Washn to Bar Harbor Otter Cliffs, radio apparatus for- RB 5;2
406235	3-29	To S&A	Reqst shipment from Washn to Bostn for Damiscover Is, radio appr- RB 5;9
406236	3-29	To S&A	Reqst shipment from Washn to Boston radio appr for Appledore Is.
406237	3-29	To S&A	Reqst shipment from Washn to Gloucester apparatus for C. G. 23-
406238	3-29	To S&A	Reqst shipment from Washn to Boston, appr for Deer Island Shipment order of 3;31 RB 5;1
406239	3-31	To S&A	Reqst shipment from Was n to 4th Cliff, Humarock Mass via Sea View, appr for

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.
405327	3-26	To Operations see 406768-9.9	Asks that cruiser or larger vessel be assigned for purpose of making complete and exhaustive test of stations listed, now in operative condition and ready for service-
405663	3-24	To Phila	Reqst five copies of radio compass instruc pamphlet RL 69A 171-
406108	3;26	Ph	States Cape May, Cape Henlopen and Bethany Beach radio stations ready for operation. W
400569	3-27	To N.Y.	Comments on reports recd operation of radio compass installn on ships and stations of 3rd Naval Dist-
405740	3-27	To M.Island	Report reqstd on status of compass shore stations at Farallon Is, and Pt Arguello Cal. MI - 4;26
4D5741	3-27	To Puget Sound	Reqst report status of stations Tatoosh Is Washn and N. Head Washn. Pg Sd-Fwds special report. 4;15

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Number.	Date.	From or To—	Subject.	
406570	3;20 3;28	1st Dist Com	Reports interference with radio compass calibration at Newport. fwd Boston 4-4 To Naval Operations-Calibration of radio compasses on vessels. 4;26 Boston--Reqst calibration location on destroyers. 8;13	W
406571	3;22 3;28	3rd Dist Com	Radio compass station at Montawk, reports errors confiscation. To NY- sum of $ 100 allotted 4-2	W
406574	3;22 3;27	1st Dist Com	Quarterly inspection report of radio compass station at Maine. To Boston- reqst estimate stat Cross Is 4-2 Boston 4;5 To Boston- sum of $300 allotted 4-12	W
405685	3-28 To Cdt Boston- issue of oil skins to station at N Truro 9/8	To Comdt Boston	Reqst recom be submitted embodying material necessary for operating personnel of radio stations in first dist- Boston 5;27 Boston-Recs oil cloth be added to equip. 8;16 To Boston-Gives equip to added to other equip ord. 8;22	
406738	3;29	Dept see 405227.919	Copy of despatch to USS PENNA and USS WIS. directing conduct test with radio compass sta.	W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
404775	3-24	To Communications	Stations, Georgetown Lighthouse, Charleston Lighthouse, ready for service-
405632	3;25	Boston Tel	Damiscove calibration of radio comp station comp W To Commun- compl of 3-28
No No	3-24	To Phila	Reqst Bu be supplied with five copies of radio compass instruc pamphlets RL 69a 1-21.
404768	3-25	To Comdt Boston	Info reqstd re progress made on station C.G. 2 Cross Island Me.,
404769	3-25	To Boston	Info reqst progress station report CG 14 Appledore Island Boston - 3;27
404770	3-25	To Boston	Info reqst as to progress being made on report on location for radio transmitting station to be used in conn with CG 8 Damiscover Is. Boston -327

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
404782	3-25	To Phila	Reqst two prnts of sheets three and four of radio compass instruction pamphlet RL 69A 171 Phila-Fwds photostats. 4;7	
405887	3;21 3;25	4th Dist Phila	Recs gas driven gen be instal at Cape Henlopen. To Phila- sum of 150 author to cover 4-18	Q
405843	3;26	Ph	Req authority for radio comp instructions. To Phila- asks prepare and sub to Bu recm, for 400 addtl copies of instucns 4-21	W
405968	3;21	H W McCormick	Report of visit to Pacific Coast also in con with recs of MI radio comp station.	W
406008	3;11	1st Dist	Adv to cont operation of compass station office Newport .	W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
404397	3;18	Ph	Conf tel conv concerning instal req on design on marble radio compass. To Phila- asks report 3-28 ~~Phil~~ 4;3 ? Phila 4-2 To Phila- reqst report 5-12
404568	3-20	Communications Supt CM	Copy. Submits report of location of MELROSE as reported to Compass Station
404935	3-19	U.S.S.ROPER	Request be furnished with a list of all radio director firing station. To CO- fwds list of stations 4-1
405077	3-21	Boston	Fwds radio compass callibration grooves for survey surfside station.
405115	3-22	Y&D	Request additional allotment covering alterations to radio compass station building at Light house. To Y&D- allotment of $54.40 made 3-26
404098	3/14	Anacostia	Sub report on exp to dist ehat deviation of airplane compass is caudsed by radio app in its proximity W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
403107	3/;6	Hamp Rds Tel	Direction finfer test set must have bat and new tubes for cont of test W	918
403692	3-21	To Comdt Washn	Reqst type SE 1440 receiver be provided with secondard load coils spaeced 2" apart-	
404763	3-24	To Comdt Boston	Re installn on McKEAN amplifier taken from POTTER, balance of receiving equip to be withdrawn from store at yard, also advises steps taken to supp yd Boston with two radio compasses to take care of emergencies of this nature- W	
404772	3-24	To Communications	Advises radio compass stations at Boston Harbor are ready for operation, Gloucester Deer Island, Fourth Cliff, North Truro, calibrated and ready to furnish ships entering harbor with bearings-	
404773	3-24	To Communications	Stations, Cape May, Cape Henelopen Bethany Beach, ready for service-	
404774	3-24	To Communications	Stations Hog I s, Smith Is, Cape Henry Cape Hatteras, ready for service-	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
403249	3;15	Boston	Fwds prints and radio compass curves destroyers listed.	W
403253	3;14	Boston	Conf tel coy asking if test of dist radio compass stat has been postponed.	
403578	3;15	New York	Radio comp instal, fwds rep on status of work at Yrd.	
403785	3;18	Mazer Acoustile Co	Req app to bid on additional radio compass houses.	W
403916	3;19 MI-List stations which will req sets with estimate cov. 5;23 Pg Sd-T-Reqst traveling orders for W E White and RJ Griscol. 8;23 To Pg Sd- Instruc no cancel. 8;28	Dept	Author instal of shore radio comp on points listed. Dept-Authorizes instal of compass in vicinity of points listed. 3;13 Com-4;2-Sub tentitive program for Pac Coast Radio Compass Organ. To Puget Sd T 8/28	W
403913	3;15 3;18	CO BUSH New York	Sub report on radio compass bearing.	W

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Number.	Date.	From or To—	Subject.	
403052	3;17	To Com Wash	Method sug by NY for mod rec to inc sharpness of radio comp.	
403411	3-18	To Y & D	Additional allotment for teleg for Radio Comp Station W	
403412	3-18	To Phila To Phila- report of shipt Phila- 5;5 of radio mcompasses desirable 5-8 To Phila- reqst appr be shipt to Receiving Ship San Frisco 6-10	Shipments of radio teleg compass W To Phila- asks report dates of shipmen 4-14 Phila-Reports on shipment of compass material. 4;16 To Phila- asks weekly reports be continued Phila- Conf tel conversation. W 4;14-19 Phila- 4;25 Ph-Weekly report 5;12	
404004	3;19	S&A	Fwds req of Sandyhook sta. fwd NY 3-29 Received back 4;9	
404042	3;15	Boston	Status of compass stations, Cross Isl, Bar Harbor, Damiscave, Appledoor, Gloucester, Dere, Fourthcliff and North Truro. Isls.	
403618	3/17	Bostom	Req typewriter br sup to radio comp stations listed.	722

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
401308	3;9	2nd Dist	Req authority in regard to space radio comp app at Coast Grd Sta 46. To S & A 3-15 recu shpmt radio comp coils fm Nantucket Mass to Sup Off Phila To Mass 3-15 Issues shpg instrns...	
400033	3-5	Boston (T)	Submits status of radio compass stations in district - W	
402194	3;15	To S&A	Req one radio comp coil be shipped from Ph to Norf. To S&A with installn 5-29	
401639	3;10	Phila	Conf tel conv rel to ship of radio compass to Norf for stock.	W
401999	3;4	TO S&A	Received back 4;25	
400423	3-10	To NY	Sum of $500.00 allotted- CG Sta 107 Mantoloking- W	
402368	3;12	Phila	Conf tel conv rel 6 ft coil system being shipped to Norf for stock.	W
402348	3;12	Boston	Fwds radio calibration curve, sta listed. To Comm 3-17 receipt of W	W
374684	3-13	To Cherrystone Is	Reqst acknow receipt of shipment 2-6th	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
401246	3-13	To S&A	Req shipment from Norfolk to NY radio motor generator- RB 4;30 To NY- advises to turn into store NY 3-24	
401251	3-13	To S&A	Req shipment from NY to Newport radio teleph set- To S&A req canc 3-27	
401478	3-13	To S&A	Req shipment from Phila to Nantucket Weston voltmeter-	
402327	3;13	Marine Corps	Req authority for Marine Officers to witness test at Compass Sta and operation for New York. To Co. U S Marine Corp To Marine Corp 3-17 New York 4;25	W
402522	3-15	To Director Naval Communications/	Fwds letter giving latitude and longitude for Radio Compass Station Va.	
402523 see card 83				
402352	2;21	Com	Fwds copy of correspondence on prop tel line con compass stations at Hog Isl, Fishermans Isl.	
402612	3;8	Ph	Radio compass, req instruc in con with storage, shipment etc.	W
403105	3;15	Cape May	Compass Sta at Cape May Lewis and Bithony Beach ready for operation.	W

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.	
400189	3-8	To Norfolk	Info reqst re correct address, Radio Compass Stations, in 5th Naval Dist	
400186	3;15	New York	Powahattan.	
400190	3-8	To Chasn	Info reqstd correct address Radio Compass Stations in 6th Naval Dist Charleston - 3;11	
400418	3-8	To Boston	Reqst ship radio compass es be calibrated for 952 meters as well as 600 meters-	
400419	3-8	To NY	Reqst ship radio compasses be claibrated for 952 meters as well as 600 meters- New York 4;12	
400420	3-8	To Phila	R eqst ship radio compasses be calibrated for 952 meters as well as 600 meters	
400421	3-8	To Norfolk	Reqst ship radio compasses be calibrated for 952 meters as well as 600 meters	

DIR ECTION FINDERS

Number.	Date.	From or To—	Subject.
400187	3-10	To NY	Info reqst correct address when supplying material for compass stations 3rd Dist-
400410	3-8	To S&A	Req shipment from Washington to Westerly R.I. C. G. Station 58 radio head telephones Received back 4;14
400569 see card 80			
400422	3-10	To NY	Sum of $500.00 allotted maintenance of stations Montauk-
400657	3-10	To Boston	Reqs report on location of station CG 2 Cross Island Me.,
400558	3-10	To Boston	Reqst report location of station CG 8 Damiscove Island Me. Boston-Req allot $200. 8;16
SEE 100	To Boston- rel to operation of station 5-22 To Boston- lease should contain clause making subject to can & providing option for purchase by Navy 6-25		Boston-Fwds prints rec rel to estab of transm station, at Damiscove Osl. W 4;4 To Boston- space available 4-10 RB 4;24
400659	3-10	To Boston	Y&D-Reqst allotment of $200 8;26 Reqst report location of statio CG 14 Appledore Is M e. Boston-Fwds prints with estimate. 4;4
	To Boston- space avialable 4-10 Boston 4;15 To Boston- asks estimate of cost be fwd 4-21		To Boston- asks estimate be sub 4-8
401329	3;10	Phila	Asks if radio comp inf shall still be consid confidential. To Comdt Phila- info req answer by circular letter of 3-24th, 3-24

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.	
399614	3-7	To Comdt 2nd Dist	Gives summary of correspondence on establish of station Watch Hill,	
399615	3-7	To Comdt 2nd Dist	Reqst calibrations be made without delay re operation of radio compass stations-	
399616	3-7	To Comdt Phila	Reqst calibrations be made without delay-	
399617	3-7	To NY	Reqst calibration be made without delay- New York 4;15	
399618	3-7	To Norfolk	Reqst calibrations be made without delay- Norf 3;17	
400033	3-7	To Nav Communications	Fwds copy of despatch 17405, re compl of CC 2 Cross Is Me, calibrated and ready for operations To Boston T 3-7	
400130	3;10	Boston	Give correct address of sup material to radio compass station	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
400178	3-7	To Chasn	In order to calibrate all radio compass stations, for 922 meters, necess to calibrat same, reqst expedite-
400180	3-7	To Boston	Info reqstd re correct address whould be used when supply material to Radio Compass Sts in 1st Naval Dist-
400183	3-7	To Director Commun.	Fwds copy of B ost n despatch 17405 re CG Sta 28 4th Cliff Humarock Mass
400184	3-7	To Communications	Fwds copy of Bost n Despatch 17405 re compl of CG 36 North Truro Mass
400185	3-7	To Communications	Fwds copy of Bostn despatch 17405 re compl of CG 53 prices Neck Newport
400186	3-7	To NY	Confirms phone conversation- reqst install of radio compass be made on POWHATAN
400188	3-8	To Comdt Phila	Info reqstd as to correct address radio compass sta in 4th Nav Dist

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
399231	3-5	To Y&D	Re alteration of rooms in CG bldg 58 Watch Hill- New London Base 5;2 To NLondon- Info rec that Genco battery for Watch Hi ll C 58 recd, reqst verific 5-6 Y&D- 5;16	
399232	3-5	To 2nd Dist	Reqst installn of radio compass coil and receiving apparatus in CG bldg Watch Hill-	
399485	3-5	To Y&D	Sum of $50.00 alloted cost of installn radio apparatus Watch Hill-	
		To Comm- fwds coy of Sub Base lettr 4-5 4-11 Y&D-Fwds prints of Watch Hill Compass Station. 4;25 W	Y&D-Copy of letter to Sub base. W 4;5 Y&D-Reports on latitude and longitude Watch Hall Compass Station. 4;10	
399486	3-5	To 2nd Dist	Sum of $600.00 allotted for yearly maintenance of Radio Compass Sta CG 58 Watch Hill-	
399487	3-5	To 2nd Dist	Reqns are approved re equipment for CG station 58 Watch Hill, office equipment and personnel-	
399833	3-4	Boston	Radio compass calibration curves for destroyers listed - fwds - W	

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Number.	Date.	From or To—	Subject.	
400333	3;5	Boston	Fwds radio compass calibration curve ships listed.	
400300	3;6	Com	Recs shore radio comp sta at Assatengua Isl be abandoned. To Commun-advises steps have been taken to abandon station 3-26	W
400568	2;17	NY	Radio comp instal on ships and stations, detailed comments in con with operation of.	
400603	3;7	Com	Req radio transm formerly at section base 2 be instal on North Isl.	
400954	2;19 3;7	Charleston 6th Dist	Proposed radio comp station on Isl of Palms recs in con with, estimate cov.	
401037	None	Boston	Fwds radio compass and calibration curve.	

Number.	Date.	From or To—	Subject.
398799	3-3	To Norfolk	Asks status of each Harbor Station in fifth dist re progess
	Norf 3/5	(T) Gives dates stations will be in operation -	T o Norf T 3-7 Norf-Tel-Additional men and material being sent to Smith Isl Comp Sta. W 3;11
398800	3-3	To Phila	Reqst 1st Dist be supplied with 2 copies pamphlets R L 69A 171 covering descrip and instruc opr and calibration of radio compass type SE 995- Phila 3;14
398803	3-3	To 1st Dist	Phila has been reqst to supply two copies of inruc re operation and calibration of type SE995 radio compass-
398804	3-3	To MERCURY	Fwds instruc pamphlets reqstd
398805	3-3	To O E Campbell	Advises has taken up with CG question of using telp service over its lines author granted-
382601	FROM CARD 53 Norf- Submits corrections on POCAHANTUS. 6;13		Norfolk 3/3 Norfolk 3/3 Norf-Lists transf of equip with radio comp. 3;6 Norf-Instal of radio compass on Huron comp 7th. 3;11 W Norf 3-21 Norf - 4;26 Norf-Status of radio compass instal ships listed. 5;12

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
397612	3-5	To Comdt 2nd Dist	Fwds report on location of radio compass stati n CG 58 Watch Hill RI-	
397964	3-5	To NY	Reqst prints showing location and surro surroundings of CG 107 Mantoloking be fwd Bu-	
398300	3-5	To Comdt Boston	Fwds print shoiwng bldg erected Fourth Cliff Mass- reqst wires be replaced by ropes in order to avoid possible inter ference with-	
399229	3-5 Coast Grd 5;8	To Coast Guard	Reqst permission re use of C oast Guard bldg Watch Hill for establishment of radio compass station at this point- To Coast G- author sum of $250.00 3-5 fwded S&A 5-10	
399228	3-5	To Comdt Boston	Fwds print showing b l g erect ed at at Glouchester , reqst station be securely anchored with Manillla rope-	
399230	3-5	To Coast Guard	Sums of $600 alloted re cbst of w o rk CG sta 58 Watch Hill- Coast Grd-Recs in con with laying sub cable between Narragansett and Coast Grd Sta 58. To Nav Comm 3-18 requ recommendations W Com 4;7	3; 15

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
398685	2;26	1st Dist	Req drawings cov descrip and instruc of operation and calibration of radio comp.	W
398749	2;21 3;1	Charleston Y&D	Sub report of estab of lat and long Georgetown Compass Station. To Commun- fwds copy of P Works Off letr 3-7	
398750	2;21 3;1	Charleston Y&D	Sub report of establ of lat and long for Charleston Light House. To Commun- fwds copy of P,W ks letr 3-7	
398714	2;28	1st Dist	Fwds req of Coast Guard Sta 23 on typewriter machine.	
397971	3-1	T o CG	Fwds prints of drawings RE 69A 135A RE 69AA 124A RE 6A 122 RE 69A 116A RE 6A RE 6A 119 A Re 69AA 127 RE 69AA 126-	
398797	3-3	To Boston	Asks statns of each Harbor stations in First D ist info re progress To Phila ditto 3-3	

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DIRECTIONS FINDERS

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Number.	Date.	From or To—	Subject.
397616	3-1	To Coast Guard	allotment of $800.00 made cost of commun work between CG 155 Hog Island and CG 161 Cape Henry
398582	3-1	To Coast Guard	Re cable for use in conn with radio comp stations at Cape Henry Fishermans Is and Hog Island, advises removal of Fishermans Is to CG 157 arrangemnet made to furnish this place with commun
397615	2-28	To 5th Dist	Reqst is reqstd furnishing date of comp of alterations CG 183 Cape Hatteras install of 6 ft coil
397613	2-28	To Norfolk	Reqst expedite work and report weekly re instaln on vessels of transport force
398581	3-1	To Boston	Author to del to CG ships PALMER sixteen miles of four conductor rubber insulated submarine cable for use in connecting Radio Compass Sta with Cape Henry- **To CG- asks be notified of progress of 3-26** Coast Grd-Progress of laying cable at entrance of Chesapeake Bay w 3-28
397762	3-1	Fwd C&R	Re instaln of radio compass house and auxiliary rooms destroyers 22-74

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Number.	Date.	From or To—	Subject.
396312	2-24	To Comdt 5th Dist	Fwds report on location of radio compass stations CG 157 Smith I sland-
396313	2-24	To Comdt 5th Dist	Allotment of $500.00 made for maintenance of stations Smith Island-s------land---
396314	2-24	To 5th Dist	Re change of location of stations CG 157 on Smith Island
396322	2-24	To Y&D	Allotment of $50.00 made for work CG 157 Smith Island-
396466	2-24	To 5th Dist	Summary of correspondence on establishment of CG station 157 Smith Island
396916	2-24	To S&A	Reqst shipment from Phila to Bostn radio amplifiet and radio stor batteris Received back 4;9
396918	2-24	To 5th Dist	Reqst unused portion of yearly maintenance allotment letter J an 15th be canc

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
396045	2-25	To Y&D	Allotment of $500.00 made to cover cost of changes location of CG 157 Smith Island	
398131	1;30	USS Calamores	Reports ob bearings furnished by NY Radio Comp Sta.	W
398342	2;26	Ph	Conf tel conv in con with prog of radio comp instal at Bethany Beach, Del	
398375	2;26	Boston	Fwds prints of radio com calibration curves, vessels listed.	W
398300	2;27	Com	Fwds prints showing radio comp station at Gloucester at Fourthcliff.	W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
397318	2;20	Com	Fwds inspec report of Dere Isl Comp Station.	
397471	2;19	Boston	Radio booklets, fwds copy instruc and radio compass primer. To boston- reqst fwds copy of 1 struc books 3-8 Boston 2/19 Fwds booklets of instructions covering - Boston 3-22 Fwds print.	
397762	2;12 2;25	Destroyer Force C&R	Instal of radio compass house and radio room on destroyer 22-74, recs for suitable location to be found.	W
39				
397502	2;24	Phila	Radio compass assembly and house.	
397339	2-26	To 2nd D ist	Reqst report present status of radio compass stations CG 53 Brentons Point-	

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Number.	Date.	From or To—	Subject.	
397341	2-26	To Comdt Phila	Reqst all future radio co pass shipment of instructions for operations be included-	copy
397614	2-26	To 5th Dist-	Report reqstd furnishing date of completion alterations to CG 161 Cape Henry- 5th Dist 3/3	
391887	2-24	To Comdt 5th Dist	Fwds report on calibration of radio compass stations Fishermans Island Va- re removal to Smith Island-	
396046	2-24	To Y&D	Reqst after changes in letter 2-20 have been accomplished and stations established on new location Fishermans Is reqs work as listed be performed-	
396047	2-24	To 5th Dist	Reqst work as listed be performed after establishement of station on Smith Is	
396311	2-24	To CG	Re location of stations on Smith Island and permissions reqsted to quarter six men in old CG bldg dormitory-	CG 157

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
396600	2;10 2;19	2nd Dist Com	Fwds prints shwoing genl lay out Coast Grd Sta 58 with recs. Dept-Author instal radio compass batteries listed. W 2;13	W
396706	2;18	Phila	Recs change in spec for radio compass parts.	W
396731	2;14	1st Dist	Rel to comp of instal for com wires with radio compass station at Bar Harbor.	W
396802	2;19	Phila	Fwds drawings cov test of radio compass instal at Cape May and Cape Henlopen.	W
395425	None	Phila	Conf tel conv in conn w nec to comp cont units started at Wash Yd for radio compass apparratus	918

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Number.	Date.	From or To—	Subject.	
396741	2;20	Com	Lt Appleby report on inspec compass station at 4th Cliff, Mass.	
396941	2;20	Boston	Req ship of spare radio compass to Newport for install on newbrd vessel which may need same.	
397022	2;20	2nd Dist	Req compass station 53 be granted appropriation for gasoline house. To 2nd Dist- allotments of $100.00 2-26	W
397023	2;20	2nd Dist	Req station 46 be given appropriation $141. cov purchase of nails and storm windows. To 2nd D ist allotment made 2-26	W
397305	2;20	2nd Dist	Recs comp radio compass with list of spares be shipped to Sup Of for stock.	W
397694	4;18	New York	Fwds prints showing compass house Coast Grd 10	W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
395136	2;14	NY	Status report of compass instal on various ships. To---States that material has been supplied Nor. Navy Yd. 2/19	
395663	2;11	Atl Fleet	Recs establishment of a base at Boston Yrd for instruc of personnel in con with instal and maintenance of radio compasses.	
395301	2-18	To Cdt 2nd Dist	Rqst report on present status of Radio Compass Sta CG #46 Surfside, Nantucket, Mass- W To 2nd Dist- re shipment of material 3-5	
395892	2;14 2;18	Norf Y&D	Fwds computation showing lat and longitude of compass station 5th Dist.	
396084	2;15	Hampton Roads	Theoretical curves for radio compass boilers, fwds prints of. To---States that B. will continue its present policy. 2124	W
396272	3;29	Fwd Barharbor	(Old Number)	

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Number.	Date.	From or To—	Subject.	
396283	2;6	G E Gas Co	Fwds copy of let to Coast Grd Sta. 23 req report on instal at plant.	W
396515	2;19	Com	Recs radio compass instal Fisherman's Isl to be located Coast Grd Station on Smiths Isl.	
396516	2;19	Com	Fwds copy of circular let Feb 1 rel to naval vessels using their 756 meter tuned for own direction determination when work with radio station be calibrated. To Boston- reqst calibrations be made 3-6	
395208	2/20	To Co. 1st. Nav. Dist.	Reqst. B. be notified if any other equip. is necessary for operation.	
396044	2/19	To Co. Bost.	States that authority is granted to install equipment. Boston-App asigned Drayton had been instal USS HARDING. 2;25	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
394377	2-13	To S&A	Rqst shpmt from Wash Yd to SO Phila Radio Material listed - W	
394378	2-13	To 4th Dist	Bur authorizes Comdt 4th Dist to install 1 radio compass coil at Radio Compass Sta Bethany Beach CG #143, Del. W	
394474	2-13	To 4th Dist	$600. is allotted for yearly maintenance of Radio Compass Sta CG #143, Bethany Beach,	W
394614	2-14	To 4th District	Notification of establishment of a Radio Compass Sta CG #143 Bethany Beach, Del.	W
394615	2-14	To 3d District	Apparatus nec to complete radio compass installation on USS MONGOLIA has been shipt to Navy Yd N Y - W	
394999	2;14	Com	Fwds inspec report of Gloucester station.	

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Number.	Date.	From or To—	Subject.	
395018	2;12	2nd Dist	Req prints and data to be used for instruc. purposes by Engr force on radio compass instal.	
395017	2;8 2;13	1st Dist Com	Compass station at Appledore Domino comp. Fwd C. 1st. Nav. Dist. 2/24	
395019	2;10	2nd Dist WRONG ENTRY	Compass station at Woods Hall dismantled and apparatus listed returned to Dist radio sup officer.	W
395089	2;13	Bu Standard	Radio director finder, sub report of between New Brunswick and Annapolis.	
395208	2;13 Fwds	Boston 1st Dist 2;20 R B 2;28	List radio apparatus which has been rec for North Truro Station. To S&A - Rqst shpmt from Wash to Boston, radio app listed- 2/18 Reqst. shipt. of material from Wash. to N. Truro for Nav. Radio Sta. 2/19 To S&A req shipment from Wash to Phila radio amplified and abatteris 2-24	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
393859	2-11	To Comdt 4th Dist.	Re establishment of Radio Compass Station at Betheny Beach, Del., CG #143- W	
393174	None	European Force	Radio tel and caompass, submits reports on. W	902
394083	2-12	To 1st District	Rqst weekly report progress Radio Compass Station - W	
394597	2;11	1st Dist	Submits status of radio compass station. W	
394707	2;13	4th Dist Com Super	Compass Station Cape Henlopen placed in operation. T	
394098	2-13	To Commodore Comdt CG	Rqst authority for establishment of a radio Compass Sta at CG #143, Bethany Beach, Del- W Coast Guard-Authority to estab compass station at Coast Guard Station #143. 2;15	
394369	2-13	To Y&D	Rqst 1 portable wooden house be provided for purpose of establishing Radio Compass Sta at C G 143, Bethany Beach, Del. W	

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Number.	Date.	From or To—	Subject.	
394370	2-13	To Y&D	Rqst concrete foundation be provided for gas engine charging unit to be installed at Radio Compass Sta CG #143 Bethany Beach, Del. W	
394371	2-13	To 4th Dist	Fwds report on location of Radio Compass Sta CG #143, Bethany Beach, Del. W	
394372	2-13	To 4th Dist	Rqst 6 ft. coil, Type SE 515 and receiving app be installed in house provided, $600. is allotted to cover cost of above- W	
394373	2-13	To 4th Dist	Rqsns are approved for 1 stove, chairs, bunks, bedding, etc. for 5 men at Radio Compass Sta also typewriter and supplies nec for oper- W	
394374	2-13	To 4th Dist	$350. allotted to provide telegraphic commun between Radio Compass Sta CG #143 Bethany Beach and Radio Compass Sta at Cape Henlopen- W	
394375	2-13	To Y&D	Rqst engineer from Phila Yd be sent to sta to establish true north and south line thru center of shaft of radio compass coil. $50. is allotted for this purpose- W	
394376	2-13	To S&A	Rqst shpmt from NY Yd to Phila 1 3/4 KW 32 volt Genco gas engine- W RB 3;25	

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Number.	Date.	From or To—	Subject.	
392112	2-6	To Comdt 5th Dist	Gives summary of work to be accomplished at CG 155 Hog Island Va	
393579	2;10	Cape May T	Radio compass out of commission due to instal new table. Cape May-T-Station again in commission.. W 2;8	W
390485	2-8	To Dir Nav Commun.	Fwds copy of Bu Y&D ltr 1/30 for info- W	
390605	2-8	To Dir Nav Commun.	The radio Compass Sta Coast Guard #38 Fourth Cliff Mass is ready for operation as soon as personnel is supplied - W	
391499	2-7	To Comdt Phila.	Rqst Bur be furnished 5 copies of radio compass pamphlet RL 69A 171 - W	
~~391740~~	~~2-8~~	~~To Sec~~	~~Rqst submit from Wash~~	
392116	2-7	To Dir Naval Commun.	Radio Compass Sta CG #155 Hog Isl, Va. is ready for operation as soon as personnel is supplied - W	

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Number.	Date.	From or To—	Subject.
392609	2-8	To S&A	Rqst shpmt from Phila to Assaeteague Isl Va 1 radio compass coil type SE-515- W
392736	2-8	To Comdt Wash	Rqst Navy Yd Wash manf radio apparatus listed and make shpmt to Navy Yd Phila- W To S&A req ship from Wash to Phila three switches and three controls 8/9 RB 9;30
392835	2-10	To Comdt 3d Dist	Rqst future reports status of transports AMERICA and NORTHERN PACIFIC be included and ST. PAUL eliminated - W
393011	2-8	To S&A	Rqst shpmt from Wash to Assateague Island 1 pair standard radio head telephones, syringe hydrometer, etc. W
393325	2-11	To 3d District	Rqst expedite installation of apparatus at Montauk station- W
393649	2-11	To 5th District	Rqst expedite installn of apparatus at Cape Henry Sta- W
393665	2-11	To Internatl RT Co	Rqst approx price on 50 sets of coils as described- W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
392001	2;5	Y&D	Fwds prints showing latitude and longitude of Rockaway, Fire Isl and Sandy Hook compass stations.	
392143	2;5	Phila	Fwds descrip and instructions for operation of radio compass.	W
391284	2/3	Dept Copy	DRAYTON;JENKINS;TRIPPE & PAULDING auth to remain at Bost to callibrate radio compass W	498
391282	2/3	Dept Copy	STEVEN;CASSIN;CUNNINGHAM;PORTER;WAINRIGHT; BELL STRINGHAM; & KIMBERLY authorized to remain at Bost to callibrate radio compass W	496
√392794	2-9	Euro Forces	Fwds prints showing construction of radio inst on 750 W	
392106	2-6	To Y&D	Re letter January 18th- reqst work be accomplished soon possible, radio co pass stations GEORGETOWNS.C.	
392107	2-6	To Y&D	Asks expedite work re Charleston Lighthouse Morris Island, S. C.- To Y&D- reqst report of work 3-6	

919 DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
392110	2-7	To 5th Dist	Radio compass station, Coast Guard #161 Cape Henry Va. Summary of work to be accomplished at this station.	
392115	2-7	To S&A	Reqt shipt batteries head phones hydrometer from Wash to Hog Island.	
392121	2-7	To S&A	Reqt shipt radio compass coil with control and switches complete from Phila to Cape Hatteras. W	
392123	2-7	To S&A	Reqt shipt head phones, hydrometer, vacuum tubes, storage batteries, radio. from Wash to Cape Hatteras. W	
392167	2;6		Detailed report on status of comapss station at Rockaway Beach.	
391119	2-6	To Coast Guard	Reqst permission be granted to make slight alteration to roof of CG Sta 161 Cape Henry, asks co-operations with- W	
392111	2-6	To 5th Dist	Gives summary of work to be accomplished at Sta, CG 183 Cape Hatteras- N.C. W	

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.
391487	2/5	To Y&D	Reqs t. that work be expedited at the Radio Compass Sta.
391497	2/5	To Y&D	Re qst. that concrete foundation be constructed to support the Genco Gas Engine
391883	2/5	To C. 5th Naval Dist.	States that encl. (A) is fwd. for information
391884	2/5	To C. 5th Nav. Dist.	States that Encl. (A) is fwd. for information
391885	2/5	To C. 5th NavL. Dist.	States that Encl. is fwd. for information
391887	see card 69		

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DIRECTION FINDERS:

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Number.	Date.	From or To—	Subject.	
~~391483~~	2/5	To S&A	Reqst. shipt. of material from Wash. to ~~Montoloking for Naval Radio compass Sta.~~	
391491	2;5	Shipment Order Fwd	Received back 2;8	
391488	2/5	To C. 5th Nav. Dist.	Reqst. that work be accomplished without delay in order to render the Radoo Compass Sta. ready for operation.	
391484	2/5	To C. 5th Naval Dist.	Reqst. that a six foot coil be substituted for the present twenty inch coil at the radio Compass Sta.	
391485	2/5	To C. 5th Dist.	Reqst. that a six foot coil be substituted for the present twenty inch coil at the Radio Conpass Sta.	
391486	2/5	To Y&D	Due to the importance of this Sta. it is reqst. that alterations be accom-lished without delay.	
392835	2-4	New York	List changes in radio compass instltns week ending Feb 1 W	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
391048	1;31	Com	Fwds copy of inspec report Cape Henlopen Station.	
391049	1;31	Com	Fwds copy of inspec report Cape May	W
391084	2;1	Com	Copy of procedure used in con with radio compass operation; fwds.	W
391738	2-3	To S&A	Reqts shipmt from Phila to Montauk Pt 1 radio compass coil	W
391740	2-3	To S&A	Reqts shipmt from Wash to Montauk Pt 1 short wave radio receiver To S&A Rqst above be canc as matrl has been supplied - W 2/8 To M ntauk- reqst acknow receipt shipmen 3-10	W
391742	2-3	To S&A	Reqts shipmt from Phila to Montoloking Nd 1 radio compass coil To S&A 3-15 Radio Apparatus shipped RB 4;8	
391749	2-3	To 3rd Dist	Reqts installn of radio compass at Mantoloking be expedited To L.Y.- Reqst info re del of material for ~~Mantoloking CG 107- 3-3~~	W

DIRECTION DINERS:

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Number.	Date.	From or To—	Subject.	
391727	2;4	Com	Fwds report of inspec of Cape Henlopen radio compass station by Lt Appleby. To 4th Dist- Fwdg Inspec report Cape Henlopen. Rqst verify advice that sta is now ready for operation- 2/11 To Commun- Radio Compass Sta Cape Henlopen ready for oper as soon as personnel supplied- 2/18	W
391723	2;3	New London Exp Sta	Fwds detailed report on Radio Direction Finder.	W
391120	2/5	To Y&D	Reqst. that the roof of the Coast Guard bldg. be altered in order to house this coil.	
391119	2;9	Coast Guard	Old Number	
391113	2/4	To C. N6th Naval Dist.	States that north & south lines should pass through the center of the shaft of the radio compass coil. Charleston-Report being fwd to Y&D 2;21	
391114	2/4	To C. 6th Naval Dist.	States that north & south lines should pass through the center of the shaft of the radio compass coil. Charleston-Have sub report on Y&D 2;21	
391121	2/5	To Y&D	Reqst. that a consrete foundation be providied for the Genco gas engine	

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.	
387711	1-30	To 1st Dist	Radio compass coil system for Damiscove shipped from Phila 1-23rd	Is Me W
389373	1-30	To 1st Dist	Radio compass coil system shipped from Phila 1-23rd flr Cross Island Me	W
389384	1-30	To NY	Asks app necessary to compaete installn of radio compas aboard NICHOLSON	W
389684	1-30	To 1st Dist	Radio compass coil system shipped from Phila 1-23rd for Appledore Is Maine	W
389685	1-30	To 1st Dist	Radio compass Coil system shipped from Phila 1-23rd for North Truro	W
389686	1-30	To Y&D	Allots $87.36 to est a tue No and South line at Fire Island Radio Compass Station	W
389687	1-30	To Y&D	Allots $138.38 to est a true No and South line at Rockaway Beach radio compass station	W
389690	1-30	To Y&D	Alltos $150.00 to est a true No and south line at radio compass station at Montoloking	W

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DIRECTION FINDERS:

Number.	Date.	From or To—		Subject.	
390485	1;30	Y&D		Gives longitude and latitude of Humarock Moss	W
390279	1;30	Bu Stand		Lt C A H Taylor-req authority to publish "Variations for Direction of long Elec Magnetic Wave"	W
390605 See 390065 918-	1;31	Boston	Tel	Radio compass station Coast Guard 28 completed. To S&A Reqts shipmt from Bu Standards-GE avi material for research lab 1-31 Com Service-Regarding report of Coast Guard Station 28, radio compass work. To 1st Dist- Rqst prog report in conn w above- 2/12	W W
390613	1;31	D C S	Tel	Radio compass station at Fire Isl, Rockaway, Sandy Hook, Montoloking ready to give service.	
390069	1-31	To Y&D		~~Auth to remodel and equip radio room with booths~~ plotting table etc at Dist Comm Supt office	W
390879	2;1	Boston	Tel	Applebore & Damiscave Isl, radio compass instal completed.	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
42979	1/25	NY	Gives disposition of miscellaneous radio apparratus including directing findersW	629
387708	1-28	To Dept OP	Reqts that Destroyers listed by held at Boston until radio compass is calibrated	W
390083	1;25	Boston	Submits report on radio compass instal on destroyers listed. To- Lists vessel not intended to equip with radio compasses at this time. 2-7 copy to 1st Dist and Rad Mat Off Boston.	W
389833	1;28	Boston	Asks if Hoosatonic, Canandagna and Cammicus will be equipped with radio Compass.	W
389756	1;29	Y&D	Instructions nec for instal radio compass station Daniscave Isl com 1;27	W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
389758	1;29	Y&D	Instruc nec for instal for compass station completed at points listed on 23.	W
389764	1;29	Y&D	Give longitude and latitude of Gloucester Compass Station. To Dir Nav Commun. Copy of By Y&D ltr 780-1 1/29 fwd for info- 2/8	W
386493	1-27	To S&A	Reqts. shipmt from Phila. to Rockaway Beach 1 radio compass coil-switch-control	W
388746	1-29	To Boston	Lists radio material shipped for troop transport MT VERNON	W
390279	1;30	Bu Standard	Lt Co A H Taylor req authority to publish "Variation in Elec Magnetic Waive" Fwd Dir of Nav Intell 2/8.	W

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
387201	1-22	To S&A	Reqts shipmt from Wash to Rockaway 1 short wave receiver Received back 2;10	W
387455	1-23	To S&A	Reqts shipmt from Phila to Bost for Radio compass stations listed 4 radio compass coils To Bost n ackno receipt shipment 2-28 RB 3;8	W
387456	1-23	To S&A	Reqts shipmt from Wash to Bost for radio compass stations listed 4 short wave receivers RB 3;19 Ship order of 3;13	W
387696	1-23	To 3rd Dist	Reqts that amplifier be installed on arrival to port Received back 2;8	W
388122	1-24	To 3rd Dist	Asks for copies of sketches of drawings listed New York-Fwds prints 1;31	W
388635	1;24	Y&D	Radio compass station 3rd dist, estab of north and south line, sub estimate, req quotations to cov. To Y&D- Allots $110.04 for above 1-30	
388310	1;24	DSS NY Tel	Compass station Montoloking out of commission due to location of same.	W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
388746	1;25	Boston	Radio compass and material for Mt Vernon not received.	W
388703	1;25	DCS NY Tel	Unable to complete calibration Fire Isl Station due to heavy weather, will rush Montawk on completion of Montoloking station.	
386492	1-19	To S&A	Reqst shipment from Phila to Rockaway Beach radio material	
387709	1-25	To 4th Dist	Re report of results of laboratory test for securing absolute minimum with radio compass coil Bu Standards by Lt Comdr A Hoyt Taylor was del to Radio Aid Ballantine of Phila Yard by representative of Bureau- Phila-Fwds report on practicability of Taylors method for improving radio compass.	W 4;10
389186	1;27	DCS Tel	Radio compass station Fire Isl calibration, will calibrate Montoloking 28th	
389379	1;28	Y&D	Gives latitude and longitude of Dere Isl. radio compass station. To Dir Nav Commun, Copy of Bu Y&D ltr 730-1 Deer Isl fwd for info- 2/8 Com-Gives position of Derehead Compass Sta. 2;20	

Number.	Date.	From or To—	Subject.	
385886	1/18	To 3rd Naval District	$950 hereby allotted for engineering work Mantoloking Coast Guard one hundred and seven account remival radio compass station new location To 3rd Dist-auth above 1-21	W
386507	1/20	To Dept Commerce 678	Confrims verba arrangrmnet between Rep of Bu Comm of Light Houses. Re meeting to be held Wednesday January 22 Room 2527 Navy Bldg	W
387669	1;22	Y&D	Req allotment be made for $100 cov work radio compass station 6th Dist. To--- Above allotment made 1-24	
387920	1;16	MI	Submits report with prints of radio compass, Pacific Coast. W	
386840	1;27	Chatham	Drawings sub sat.	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
257570	SEE CARD 15		To NY - Auth instalin of radio equipmt as listed on SAMPSON ~~To NY Auth to install radio app as listed on above 1-23~~ To Ch Nav Oper-Re above- 2/11	W
386502	1-21	To 5th Dist VOID	RE radio compass installn on NN Div Trans force To NY-Auth to install radio app as listed	W
386505	1-21	To 1st Dist	Reqts bprint of plans for housing ~~of~~ Radio Compass Sta Cross Is Me 1st Dist-Fwds prints. 1;28 ~~1st Dist-Conf tel conv relative to 126~~ 1st Dist-Fwds drawings. 1;29	W
386841	1-21	To Director Nav Comm	- Rec that personnel be supplied for operation of radio station at Dear Is	W
386854	1-21	To 4th Dist- Reqts pamphlet for MONTGOMERY Phila- Copy of letter to CO Montgomery, fwds pamphlets. 1;25	Operation and Calibration of Radio Compass	W
357014	SEE CARD 38		To 3rd Dist-Auth granted for installn of radio compasses aboard mine sweepers as listed ~~To S&A req shipment from Washn to ships listed~~ radio appr for install Mine Sw 1-25 To Comdt 3d Dist. Above matrl shipt to NY Yd-2/10 To A1- reqst material shipt be returned to store NY until Bu assignment 3-3 New York 5;9 To S&A req ship from Boston to Westerly radio appr for CG Sta 58 3-7 RB 3;31 To S&A- reqst del be shown advising action taken 4-17	W

To S&A req ship from Phil to Westerly radio material 3-8
To S&A req shipment from NY to CG Station one 3/4 KW 2 volt Genco gas eng 3-14
S&A -Copy of let to Ny giv instruc of delivery. 3;15
To NY- asks inventory of ma erial 3-28
TO- S&A 3;25 Received back 4;10
To Boston- confirms phone conversat 4-10

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
386474	1;17	Phila	Fwds radio compass calibration curve of Henley Lea & Rathburn.
386495	1;19	Atl Fleet	All battle ships equip with radio compasses. W To Atl Flt. Is old requirement radio compasses on flagships sufficent or should all battleships have compasses urgent 1/18
386621	1;15	3rd Dist	Req authority to expend $1,000 cov instal of radio compass control station.
386595	1;18	Boston Tel	Radio compass station , coast guard 23 and Dere Isl ready for operation. W To Director Nav Comm- Radio compass Station above ready for op-reqts personnell 1-21 Direct Com Serv-Coast Guard Station 23 is not ready for operation. 1;20
	To 1st Dist- Rqst progress report not later than 2-18- 2/12		
385853	1;16	To 3rd Naval Dist Tel.	Authorizes installation Fire Island Compass station compass coil complete. To 3rd Dist-Installn of 6' coil authorized 1-21

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
385872	1;17	To 1st Naval Dist	Sum allotted for yearly maintenance supercedes the allotment of Deer Isl, and Boston Harbor.	
385885	1-19	To Y&D	Allotment sum of $250.00 for purpose of moving Radio Compass House-	
386744	1;17	Phila	Conf tel conv ~~relative~~ asking, if coils etc had been shipped to compass station Nantucket. Phila-Weekly report 7;8	
387035	1;20	First Dist Tel	Aztex sails with radio equip. W	
387036	1;20	First Dist	Heron sailed with radio compass equip.	W
387125	1;19	Phila	Conf tel conv relative to having complete set of compass apparatus to destroyers 630 NY.	W
385880	1/18	To 3rd Naval Dis t	Req complete set ra io compass with coil beinstalled NY- Instal radio compass comp at Fire Isl.	1;30

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DIRECTION FINDERS 1919

Number.	Date.	From or To—	Subject.	
384101	1-10	To 3rd Dist-	Rects that radio compass material for NORTHERN PACIFIC be installed on the ST PAUL	W
384110	1-11	To 2nd Dist 704	Re extension of phone line into Coast Guard building to Coast Guard ~~RXXXXX~~ radio operating room	W
384554	1;11	CO Chicago	Copy of radio compass test comp. Co Chicago-Ship left to sea for radio compass test W 1;11	
385475	1;14	Com	Contract for radio house at Sandy Hook awarded R Rothschild.	
385638	1;15	Com	Report of test of radio compass at Cape May. W	
385594	1;15	Norf	List radio compass apparatus instal at Fishermans Isl. W	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
385892	1;13	Norf	List radio apparatus instal at Hog Isl	
384765	1-15	To Yds and Dists-	Reqts fwd plans showing the exact location of the radio comp ass house on all destrys previous to #74	W
	Ph-Fwds	prints. 4;30		
	To Cdts IM's- instruc re installn of radio compass on destroyers 9/24		Portsmouth - 1;25	
113	To Ins prs-		Norf- Fwds print of radio comp instal. W 3;11	
	Cramps Co- 9;29		New York-Fwds prints. 4;15	
	Ports- 4/13	W.	Phila-Fwds prints. 4;30	
385231	1-15	To 2nd Dist	Reqts that Radio Compass Officer at Bost be notified when JOUETT arrives that t may calibrate radio compass	W
385249	1-16	To 5th Dist	Allots $600.00 for maintanance of Radio Compass Sta at Fishermans Is	W
385248	1;16	To Com 3rd Naval Dist	Authorizes $1,000 for instal of new cont station. Tel.	
			Com-3rd Dist asks status of app 6;25	
			fwd S&A 7/2	
386375	1;16	Dept	Fwds copy of report of ~~brdte~~ Board to conduct test on radion compass instal at entrance of New York harbor.	
386431	1;14	CO HUNTINGTON		
	1;17	Com	Shore radio direction finder station, sub report cov and recs station be estab at Statan Isl.	

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
383297	1;4	Inspr Phila	Status of radio compass instal at Cape May and Lewes.
384026	1;8	Newport News	Req publication on operation of radio compass. W To Inspr NN- Fwds drawings to install radio compasses aboard troopships 1-13
380761	1/9	To 5th Dist.	Rqstd that yearly cost of maintenance of $800.00 for Radio sta at Coast Guard #155 Hog Is. be itmeized to give a more detailed conception of proposed disbursement for this station. W
380762	1/8	To 5th Dist	Rqst yearly cost of maintenance of $800.00 for Radio Sta at Fisherman's Is be itemized to give more detailed conceptioh of proposed dusbursement for this stat. W.
380966	1/8	To Comm 6th Dist.	Allots $250.00 for maintenance of Rad Sta at Geotown lighthouse, Geotown S C W.
380967	1/8	To 6th Nav Dist	Allots sum of $250.00 for maintenance of radio sta at Charleston Lighthouse Morris Is S C W

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Number.	Date.	From or To—	Subject.	
383131	1/8	To Com 1st Dis t	Info rqsted in ref stated, has not reached Bu. Rqst info be furnsihed without delay. W. Received back 1;20	
383562	1/8	To Com 3rd Dist.	Rqst Bu be furnished with copy of drawing # X2278 3rd Dist-Fwds prints showing location Fire Isl Station. 1;25	
5 383563	1/9	To Comm 3rd Nav Dist	Rqst estimae of maintance cost of sta at Sandy Hook. W. To NY- sum of 500 allotment maintenance Sandy Hook 3-10	
384208	1;9	Boston	Shaft extension and land for use radio compass, states ready to commence work. W	
384224	1;10	Fourth Dist Tel	Gives position of compass station. W	
382187	1/7	Cape May	Report on radio compass being out of commission. W	864

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
382188	12/4	To 1st Nav Dist.	$600.00 allotted for maintenance of radio sta at Coast Guard #28 4th Dliff Mass. W	
383065	1;4	Boston	Radio compass, report of trouble experienced with slip rings. W To 4th Naval Dist-Consid to be given in designing new radio compass, coil. 1;17	
383060	1;6	Bureau Standard	Req arrangements for conference in con with radio direction finder as aide. W To Bu of Stds, Reeconfernece held at Room 2527 3 PM Wednesday. Navy Bldg 1/20	
377155	SEE CARD 47		To 6th Dist-Auth maintenance allowances for radio stations within 6th Dist as listed	W
383151	1;4	Boston	Radio compass review for compensating errors, gives reasons why believes same will be unsat. W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
381942	1-6	To 2nd Dist	Auth est of radio compass station at Cutty hunk- Asks report of location and sketch of surroundings Received back 1;29	W
383166	1;4	5th Dist	Report of trouble with gas engine at compass station Assateague, req that same be repaired or replaced. W To S&A Reqts shipmt from NY to Radio Compass Sta Assateague Va 1 Genco 3/4 KW battery c charging panel 1-14 To 5th Dist- reqst install Genco bat 1-25 Shipment order of 1;14 back 2;5	
		To—Reqst. return of papers showing action taken. 2/5 To—Reqst. tat all installation work be discontinued. 2/21 To S&A req ship from CG Sta 150 to Norfolk gas eng battery 3-22		
382592	1-7	To 3rd Dist	Lists vessels of NY division equipped with radio compasses To 3rd Naval Dist-Req progress of instal. 1;18 NY-Submits report on compass instal. 1;29 ~~Insp Erie Status report 2;8~~	W
382593	1-7	To 1st Dist	Asks bprints showing all alterations to be made to existing buildings at Radio Compass Station at No Truro Received back 1;14	W
382601	1-7 Norf-Status report 4;2 Norfolk 2-7	To 5th Dist	Lists vessels in NN division equipped with radio compasses To 5th Dist- reqst report- 1-18 Norfolk - 1;28	W
TO 72	To Comdt 5th Dist-Rqst expedite installn on remaining transports-2/8			
382603	1-7	To 5th Dist	Auth to install on troop transports listed 1 radio compass coil house	W

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
381031	12-30	To 5th Dist	Fwds list of radio compass operators	W
381784	1;2	Inspr Phila	Gives location of radio compass station at Cape Henlopen. Tel	
376397	12/12	To S&A	Reqts shipt from Wash to Akron IO air plane compass receivers	W
377882	12/13	Hampton Rds	Shows characteristics of radio compass boiler for f-5 boats	918 W
382105	12;30	Y&D	Houses for radio compassstations at Hog Isl and Fisherman's Isl will be completed within about a week. W	
382152	1;2	Boston	Req Phila Yrd fwd copy of calibration of radio compass. W	

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1919

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
381370	1-3	To 3rd Dist	Asks date Sandy Hook Station available for furnishing accurate bearings to ships entering NY 3rd Dist-Report of completion of compass station Sandy Hook. W 1;14 NY-Sub status for various compass stations. 1;25	W
381371	1-3	To 3rd Dist	Asks date Fire Is station available for furnishing accurate bearings to ships entering NY	W
381928	1-3 NY-Fwds report.	To 3rd Dist	Asks date Rockaway station available for furnishing accurate bearings to ships entering NY 3rd Dist-Report of completion of compass station Rockaway Beach. 1;14 3rd Dist-Report of completion of compass station Fire Island. W 1;14 NY-Fwds calibration curve with report on Sandy Hook. 2;11 NY-Reports on Montoloking. - 2;11	W
382315	1;3	Phila	Conf tel conv rel to dials in radio compass.	W
382424	12;18	Phila	Conf tel conv rel to radio compass station ~~on~~ at Lewes.	
382184	12/4	To 5th Nav "ist.	Bu advised that battery has been ordered shipt to radio stations at Cape Henry, Cape Hatteras, and Assateagus. W To 5th Dist-ditto 1-4	
382187	12/4	To 1st Nav Dist	$600.00 allotted for maintenance of Radio Co, mass Sta at Coa t Guard #23 at Glou.	W.

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
4 288033	7/27	To Brest See Card 19	Asks if radio apparatus rec'd. W Gib. Sept. 16 Apparatus received 7/15 Fwd S&A 11-27 To S&A- Reqts cancellation of shipt reqt of May 5th 1918. 10-2 (510-6)	
288034	7/27	To Gibraltar	Asks if radio apparatus rec'd. W Shipment order of 12th received back 11;30	
329245	7;28	Sims Copy 1899	Radio comments for sufficient data for definite answer, receommends investigation of British airplane.type. W	
331981	7;26	Naval Communication	Fwds report of Lt Appleby on Shore Radio station at Montawk. W Fwd. 3rd. Dist. via NY 8/1 Referred to NY back Oct. 15	
331980	7;26	Naval Communication	Fwds report of Lt Appleby on Curtiss High School.	
331979	7;27	Naval Communication	Fwds report on Shore Radio Station, Curtiss High School. St Ca cannot be set true north by sighting Statue of Liberty W Fwd. 3rd. Dist. via NY 8/1	
331977	7;26	Naval Communication	Fwds report on Fire Island. To 3d Dist 8/2 - Fore River 8/20	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
318951		See CARD 27	To Newport (T) Authorized relocate radio compass at Coast Guard Breton Pt. W Phila - Fwds prints for Cape May 8;9 Phila - Fwds prints for Assatagne. To Phila. Allots amt. for installation of radio compass. 8/14 Y&D 8/16 - Makes allotment
332927	8;1	Naval Communication	Fwds report of Lt Appleby covering improval of radio compass. from Newport to Brenton Point W Fwd. 2nd Dist. 8/5 To 2nd Dist. Allots. amt. for maint. of radsta at Brenton Pt. 8/26
331979	8/2	Fwd. 3rd. Dist. via NY	For comment on recommendations. Ret. of papers rqtd. W
319141	8/3	To Rad. Sta. Montoloking	Asks if rad. apparatus rec'd. W
334116	7;22	Mare Island	Leveling rings for radio compass supplied destroyer, fwds prints. W Fwd. Phila 8/14 To Mare Is. Re laveling rings for rad. compasses installed on TBDs. 9/18 Mare Island Sept. 30
334734	8;1 8;4	Lt Appleby Naval Communication	Sub report of visit to Shore station for first dist. W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
380572	12-30	To 5th Dist	Asks present status of Radio Compass sta 183 Cape Hatteras	W
380758	12-28	To 1st Dist	Asks estimate of maintenance cost of C G Sta 23 Gloucester	W
380 759	12-28	To 1st Dist- larger amt 1-6 Boston- $1,200 required 1;13 To 1st Dist-Allots $1200 for maintenance of Deer Is Radio Compass Station 1-16	Asks est of maintenance cost of Radio Compass station at Deer Island 1st Dist-To maintain Deer Isl Station. 12;31 To----- Above estimate excessive of stations of this class- asks necessity for reqt for Inspr Wil-Fwds copy Falk Co order. ARA 1;8	W
380760	12-28	To 1st Dist	Asks est of maintence cost of Radio Compas Sta C.G.Sta 28 4th Cliff Mass Boston 1;3	W
8				
380761	12-28	To 4th Dist	Asks estimate of maintenance cost of Radio compass Station at Cape Henlopen Del To 5th Dist ditto C.G.Sta 155 Hog Is 12-28 To 4th Dist-$600 alloted for maintence of radio sta Cape Henlopen 1-3	W
380762	12-28	To 6th Dist To 5th Dist-Allots $600.00 for maintenance of Radio Compass Sta 115 at Hog Is 1-16	Asks estimate of maintenance cost of R.Compass Station Fisherman' Is for 1919 5th Dist-$800 necessary for maintenance of Fisherman's Isl. 1;2 3rd Dist-Fwds estimate. 1;13 W	W
380966	12-28	To 6th Dist	Asks est of maintenance cost of Radio compass Station for 1918 at Georgetown Lighthouse	W
380967	12-28	To 6th Dist	ditto Morris Is-Chasn Lighthouse	W

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
380754	12-27	To 3rd Dist	Reqts status of radio compass sta Montauk Pt LI	W
380755	12-27	To 1st Dist	Reqts status of radio compas Sta Coast Guard #36 No Truro Mass To 1st Dist Asks status of radio compass stations listedvv 1-6 **Boston- Report fwd tom bureau. 1;10**	W
380756	12-27	To 1st Dist	Reqts status of Radio Compass Sta Appledore Is Maine	W
380757	12-27	To 1st Dist	Asks status of radio compass Sta Coast Guard #8 Damiscove Is Maine **Boston 1;3**	W
381197	12;23 12;28 of above	3rd Dist Com 1-16	Recs radio compass station at Staten Isl be dismantled. W Fwd 3rd Dist-via Directo Nav Comm 1-3 **Received back 1;10** To 3rd Dist allots $250.00 for dismattling	
377688	12-30	To S&A	Reqts shipmt from Wash to C.G.Sta 183 Cape Hatteras	W
380573	**1;3**	**First Dist**	**Recs.**	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
380630	12;26	DiC S Phila	Compass station at Cape May out of operation owing to leaking room. W	
372769	SEE CARD 43		Fwd 5th Dist 12-24 Y&D-Req allotment $100 cov work. 1;18 To Y&D-- $100.00 alloted to est true North & South line etc at radio compass station 1-21 Y&D-Gives position of Cape May & Cape Henlopen 1;22	
378844	12-26	To Wash	Apprs in advance manf of 2 models of radio compass automatic correction device for use with gyro repeater W Com-Station to be located at Bethony Beach. 1;17 To Washn- can of reqst 6-13	
379445	12-26	To SAN FRANCISCO	Asks what radio compas app and equipmt is at present installed W CO SAN FRANCISCO-No radio compass apparatus installed. 1;6	
379672	12-26	To 1st Dist	Additiona $500.00 for housing of radio compass at Coast Gtrar #28 authorized W	
379936	12-26	To 1st Dist	Additional sum $300.00 authorized for housing of radio compass at Coast Guard #23 W	
379940	12-26	To Hamp Rds Asks 4	prints showing drawing RD 10F 103B showing location or radio compas hous on fishermans Is Hampton Roads-Fwds prints showing location of compass station at Fisherman's Isl. 12;31	
380759	1/8	To 1st Nav Dist.	Allots sum of $400.00 for maintenance of Compass Sta on Deer Island. W	

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DIRECTION FINDERS A

Number.	Date.	From or To—	Subject.	
379944	12-26	To Chasn	Advises of shipmt of battery charging set for installn at Sullivan Is - now for Georgetown Lighthouse	W
380557	12-27	To 5th Dist Assateague Is Cape Henry and Hatteras as 1-6 To S&A Reqts shipmt from Norf to Cape Henry radio app -charging unit 1-10	Asks present status of Radio Compass Sta Coast Guard Sta 161 Cape Henry 5th Dist-Tel-Report in con with Cape Henry. 1;7 To 5th Dist- (T) Reqt replies to Busenglets 12-27th on progress radio compass stations Norfolk 1:21	W
380563	12-27	To 2nd Dist	Ships radio app to increase ~~XXXXXX~~ range and efficiency of station at Surfside Nantucket To 2nd Dist- App as listed shipped Coast Guard 46 for installn 1-21	12-27
380568	12-27	To 5th Dist	Asks status of radio compass sta Coast Guard #150 at Assateague Is VA 5th Dist-Installation completed at Assateague Isl. 1;3	W
380523	12-27	To 1st Dist	Asks status of radio compass sta at Bar Harbor	W
380751	12-27	To 1st Dist	Asks sstatus of radio compass Sta Coast Guard #2 Cross Is Maine	W
380752	12-27	To 3rd Dist	Asks status of radio compass Sta Coast Guard #107 Montoloking N.J. To 3rd Dist- (T) Asks reply to above 1-6	W
380753	12-27	To 2nd Dist Second Dist- Fwds copy of correspondence 1;6 To 2nd Dist- Approves in advance reqtn for oil heaters 1-10	Asks status of radio compas Sta Coast Guard #53 Brenton Point Newport RI Received back 1;6 To 2nd dist (T) Asks reply to above 1-6	W

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
380356	12;26	Charleston Tel	Compass Station at Morris Isl and Georgetown, instal cannot go on without authority from dept of Commerce. W	
3694745	SEE CARD 42		To Phial Asks that duplicates of "Instructions for installn, Calibration and operation of the Kolstermeter" be fwded	W
		To Comd 1st Dist-Rqst status of radio compass installn on MT VERNON- 2/11	To 1st Dist- Shipmt of app being expedited 1-10	
		1st Dist - 2;14	To 1st Dist-All material necessary for radio compass installn as listed has been shipped to Bost for MOUNT VERNON 1-15	
		To--- Information is reqd. if material cannot be located. 2/21	NY-Asks when material will be shipped. 2;15	
378500	12223	To 1st Dist-	Reqts that contemplated installn of radio compass at Shelbourne NS be abandoned	W
			Boston 1;12	
			Boston - 7;21- 1st Naval Dist 4;9-Radio compass house not nec, asks what disposition Bu wishes to make. W 7;21	
3979421	12-23	To 1st Dist	Gives instrns for winding 6' coil for max efficiency at a wave length of 600 meters - info for installing shore stations radio compasses	W
			To 6th Dist ditto 12-23	
			To 3rd Dist ditto 12-23	
379661	12-23	To 4th Dist	Asks that radio transmitting set at Quarantine Sta be removed to 500' from Radio compass Sta, Cape Henlopen	W
378688	12-23	To SANTA TERESA	Asks report of radio compas recently installed	
			Co SANTA TERESA - 1;7	
			To 3rd Dist- Reqts that above radio compass be calibrated 1-24	
			New York-RADIO COMPASS AT Santa Teresa will be calibrated. 2;1	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
378847	12/19	To Nav NY (T)	Authorization granted E,ploy necessary labor Sunday Dec.22 to complete radio compass installation Sandy Hook NY	W
378858	12/20	Operations	Req that destroyer USS JOUETT put in at Newport R.I. in order that radio compass may be calibrated W Received back from Dpt 1;11	
379919	12;19	Bu Standard	Method of getting absolute minimum from direction finders, fwds sketch with comments on. W	
379205	12/20	5th District	Impossible to comp radio compass station house before Jan7 unless overtime is allowed W	864
379928	12;21 To 4th Dist-Allots $400 for above trans of supplies and mail to Cape Henlopen 1-3	4th Dist Super	Fwds report on radio compass station at Cape Henlopen. To---- Asks what additional allotment nec to continue contract for team to furnish transportation L2-27 4th Dist-Allow $200 per month Tel	12;31
379229	12/2	European Forces	Fwds copy of report of destroyers cov radio tel and radio compasses	903

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
377693	12/17	To S&A	Rqst 1 radio storage battery type CU-887 from Wash to Assateague Va. W.
378505	12;6	G H Clark Co Clarke Reports	Report on sharpness of direction indicator with radio compass. W
378520	12;17	Wireless Imp Co	Submits report on progress of assembly radio compass receiver. W
377689	12/18	To S&A	Rqst 1 radio storage battery be shipt to Cape Henry Va from Wash. W
378018	12/18	To S&A	Rqst radio apparatus as listed be shipt from Wash to NY. W. To NY- reqst acknow receipt of apparatus shipt to NY for ships as listed 2-6
378028	12/18	To S&A	Rqst that radio apparatus as listed be shipt from Phila to NY. RWF 3;11;19 To NY asks acknow receipt 3-4

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Number.	Date.	From or To—	Subject.
378488	12/19	To Wash.	Rqsts Wash Yd proceed with manufacture of radio compass control panels. W
378495	12/19	To Phila To S&A-Radio apparatus ship Sup Officer Phila. 1;15	Gives order in which Type SE 995 radio compasses are to be shipped. W. To Phila- Gives sequence of shipmts of radio compass material 12-27 None-Copy of let to Inspr FR stating radio comp being shipped. 1.14
378498	12/19	To CharL	In re to compass house at Morris Island. W
378848	12/19	To 3rd Nav Dist.	Bu allots $80.00 for making necessary wire connections between Radio Compass Sta and Radio Sta at Rockaway Beach NY. W (T) To 3rd Dist NY Allotement $80 authorized Connection between Radio Sta & Radio Compass House Rockaway Beach NY 12/23
379118	12;20	Y&D	Compass installation at Cape Henlopen comp.
378499	12/20	To 1st Dist.	Rqst copies of all destroyer radio compass calibration curves be fwded to Bu without delay after calibtation has been completed. W

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
377017	12-14	To S&A	Reqts shipmt from N Y to Phila 1 Geneo 3/4KW Gas engine generating unit	W
377155	12-14	To 6th Dist	Allots $400. for est of radio compass station on Morriss Is	W
SEE CARD 53		To Chasn--Compass house authorized for Morris Island .12/19 Charleston 12;27	Charleston-Building available at Morriss Island not suitable. 12;17	
377160	12-14	To 5th Dist	Material for est of Radio compass Station at Hog Is am Fishermans Is will be shipped to Norf	W
377173	12-14	To 3rd Dist	Material for est of radio compass station at Sandy Hook will be shipped to Brook New York 12;30	W
377367	12-14	To Y&D	Allots 1200 for erection of portable house for radio compass Sta at Sandy Hook	W
327152	SEE CARD	30	To Phila-Asks that they ack receipt of radio appon shipmt order of 7-17th radio compasses from Wash	W
377157	12-16	To Y&D	Reqts that necessary alterations to buildings at Georgetown Lighthouse for radio compass station	W
377158	12-16	To 6th Dist	Allots $500.00 for in talling radio compass at Georgetwon Lighouse To 6th Dist-Gives direction re installn of above 12-16 Charleston 12;21	W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
377362	12-16	To Y&D	Reqts that wooden house dimensions given, be constructed at Georgetown Lighthouse for charging purposes	W
369746	12/17	See Card 43 To Phila Yd.	Recoms rqsted in ref(a) will be fwded to Bu not later than 12/7. Rqst duplicates be fwded in case original copies were lost. W	
370324	12/10	To Y&D	Gives location of compass house at Morris Island. W.	
371297	12/17	See Card 44	Rqst rprt not later than 12/23 on progress of work in conn w radio compass installn at Coast Guard # 23, Gloucester Mass. W. Back from 5th Dist 12:20 War Dept- No objection to the estab of compass station at Port Hancock.	
377690	12/16	To 6th Dist.	Authorizes constrn of house to shelter coil and receiving apparatus of radio compass being installed on M rris Is. W To--Rqst rprt on progress of work in conn w radio compass installn at Morris Is not later than 12/23. 12/18 Charleston 12:21	
377692	12/17	To S&A	Rqst 1 radio storage battery 6 volt type CU-119 be shipped from Assateague Va to Wash. W. ~~Rqst 1 radio storage battery type CU-887 be shipped from Wash to Norf. W.~~	

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
376104	11;18	European Force	Fwds report of CO Benham of use of radio compass. W
375812	12-10	To Nort. To 5th Dist.—Rqst rprt on progress of wk in conn w radio compass installn at Hog Id Va not later than 12/23 12/18	Allots amt. for install. radio compass at Hog Is,Va. To___ Allots further amt. 12-10 To 5th Dist-I re above 12-14 Fishermans Is To 5th Dist- ditto Hog Is 12-14 Received back from 5th dist 12;26
375813	12-10	To Wash.	Encl. copy of report on test of new type destroyer compass.
375816	12-10	To Y&D	Reqtd. that 1 portable wooden house be provided for Hog Island,Va. To Y&D- Gives exact loaction of above 12-13
375818	12-10	To Y&D	Reqts. to provide portable houses for gas eng. charging units.
376154	12-11	To 5th Dist.	States that a radio compass station is being established at Hog Is.Va, & gives instruct. re furnishings.
376156	12-11	To Y&D	Reqts. portable wooden house for Cape Henlopen,Del.
376157	12-11	To Y&D	Reqts. that alterations be made to bldg. at Cape Henlopen,Del.
377158	12/18	To 6th Dist.	Rqst rprt not later than 12/23 on progress of all work in conn w radio compass installn at George twon S.C. W

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
376911	12;10	5th Dist 864	Report on storage batteries at radio compass station Cape Hatteras and Cape Henry.	
3 277122	12;11	Phila 864	Com between radio compass station and Cape May and Lewes , detailed comment on recs in con with. W Fwd Director Nav Comm 12-27 Fwd " " " 2-10	
3703/24	12-13	To Y&D	RE exact location of Radio compass house on Fisherman's Is To Y&D Radio compass Station will be est at Chasn Lighthouse Morris Island 12-13 To 6th Dist-Material has been shipped to Chasn for erection of various compasssta tions in that Dist 12-13	W
374684	12-13	To CherryStone Nav Base	-Returns receipt for to be held until receipt of all material for readio compass House To Norf-Asks info re batteries used at Fisherman's Is radio compass sta 12-31 R B 3.20	W
376844	12-13	To S&A	Reqts shipmt from Phila to Wm Cramps 4 radio compasses for destrys as listed Received back 2;3 Ph-6;28	W
376161	12-14	To 4th Dist	Material for est of radio compass stations as listed will be shipped to Phila	W
376646	12-14	To Comm	Georgetwon Lighthouse on North Is for site of station to use in conjunction with Morriss Island to give bearings to ships bound for Chasn	W

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
374195	11/30	Dept.	Copy of telegram to 2nd dist authorizing test of radio compass on.	161-0-6
375352	12;2	Shipment order fwd	Received back 1;28	
374519	None	4th Dist	Recs instal of radio compass in bldg formerly used old navy radio Cape Henlopen.	
371376	12/5	To 1st Dist.	Re furnishings for radio compass shore station. Rqst rprt not later than 12/23 on progress of work in conn w radio compass installn at Deer Is, Bost Harbor, Bost Mass. 12/17 First Dist 12;21	
371377	12/5	To Coast Guard 704	Authorization is requested for the use & alteration of Sta. #155 at Hog Island.	
373550	12/5	To Wash.	Re defects reported in receivers.	
371855	11-6	To Chasn.	Asks probable date of compl. of install. of radio compass.	
373769	12-6	To Nav.Comm	Re install. of Rad.Compass Sta. at Deer Is.	
373905	12-6	To Phila.	Confirms verbal instruct. for overtime labor.	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
374340	12-4	To S&A	Reqts. shipt. of radio apparatus from Wash. to Boston.	
374341	12/5	To S&A	Reqts. shipt. of radio apparatus from Wash. to NY **T o NY- reqt acknow receipt 3-13 RB 4;29**	
374332	12/5	To Norf.	Allots amt. for install. a radio compass at Fishermen's Is.	
374585	12/5	To S&A	Reqts. shipt. of radio apparatus from Wash. to Chasn.	
374684 see	**card 76**			
374686	12/5	To S&A	Reqts. shipt. of radio apparatus from Wash. to Chasn. To Chasn- Shipmt or above material will be made when available at Wash 12-23	
374693	12/7	To Appledore Is, Me.	Re use of antenna in conjunction with the operation of shore radio comp. stations. To 1st Dist. Same as above 12/7	
374337	12;7	Boston Tel	Req fwd yards & docks drawings. Tel	

DIRECTION FINDERS:

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Number.	Date.	From or To—	Subject.	
374024	12;2	4th Dist	Aviation radio compass, radio traffic, comparison of spark and arc transm, sub report of. W	
374072	11:27 12;2	5th Dist Com	Report on progress of radio compass instal at Cape Henry and Hatteras. W	
370715	12-2	To Phila	Reqts that vandykes of instrns for wiring of radio compass aboard destroyers be fwded	W
373543	12-2	To S&A	Reqts shipmt from Phila to Bost for Coast guard station 23 1 readio compass coil Received back 1;24	W
373552	12-2	To S&A	Reqts shipmt from Phila to Bost for C.G.Sta 28 1 radio compass coil To S&A Reqts shipmt from Phila to NY for C.G.Sta 97 1 radio compass coil 12-2 Shipment order 12;18	W
373554	12/2	To S&A	Reqts. shipt. of radio compass coil from Phila. to Cherrystone Is.	
373555	12/2	To S&A	Reqts. shipt. of radio compass coil from Phila. to Sullivan Is land. Charleston - 4;2	
373904	12/2	To S&A	Reqts. shipt. of radio compass coil from Phila. to Chasn.	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
374151	12/3	To Y&D To ---Authorize additional sum of $300.00 for remodeling of bukldings at Sta #23. 12/20	Reqts. alterations to buildings at stations listed. To---Authorize $500.00 for remodeling of buildings for radio equipment at station #28 12/20
370724	12/4	To Y&D	Allots amt. for the purpose of establishing portable houses
371297	12/4	See Card 47 To Coms.	Re furnishings for radio compass shore stations to be established
		Rqst rprt not later than 12/23 in conn w radio compass installn at Cape Henlopen. 12/17 Rqst rprt not later than 12/23 on progress of wk in conn w radio compass installn at Coast Guard #28 at Fourth Cliff Mass. 12/17	Rqst detailed rprt to reach office not later than 12/23 in conn w radio compass installn at Sandy Hook. 12/17 New York 12;21
373906	12/4	To Phila.	Author. given to do nec. over-time work in compl. installation.
374329	12/4	To Phila.	Re establist. of rad.compass station Cape Henlopen. To 4th Dist-Transmitting equipmt for above will be fwded without delay 12-9
374330	12/4	To Boston.	Re establisht. of Rad.Compass Stations Gloucester & No. Cliff. Boston-Req additional allotment of $300. 12;19
374331	12/4	To Brook.	Re establisht. of Rad.Compass Stat. at Sandy Hook.
374336	12/4	To Boston	Re establist. of Rad.Compass Stat. at Deer Is.
374337	12/4	To Y&D	Reqts. to provide one wooden portable house.
		To ~~---~~ allots 500 for ~~the~~ completion of radio compass house ~~at~~ Deer is ~~12-4~~	To Bost. (T) Asks if drawing rec'd. 12-9

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[OVER.]

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
370963	11;20	Cutting & Washington	Special transm built on instruc of Lt LeClair, req payment of invoice cov. W To--,has no record of invoice,11-26. Cur & Wash-Fwds duplicate invoice. 11;27	
368670	11-20	To Communications	re operation of shore radio compass stas W	
369734	11-21	To Wash	Fwds report on the most desirable position for install of 20" radio compasses on Destroyers W To Phila, fwds same information 11-22 To Sims fwds same information 11-22	
369746	11-21	To Phila	re recommendation re radio compass install on Navy Bldgs at 17th & B Sts, Wash W Phila-Report will be fwd not later than 7th To ----Encl. typewritten copy of unofficial recommendations 12-11	
370065	11-21	To Norf	See Card 47 Fwds B/P of protective relay for radio compass, W	
371877	11;24	Radio Compass Officer Boston.	Sub visit to various compass stations. W	
371870	10/28	Gibralter Force.	Sub recs of improvement for Marconi set radio compass receiver and radio compass apparatus. W.	876
371726	11/25	To Dept.	Comments re range of radio compass on aircraft. W.	918

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
373254	None	G H Clark	Report of inspec of direction finder instal on Bergufsjord. W
372548	11-27	To S&A	Rqst shipmt one Bellini radio direction finder Phila to Boston. W
372769	11-29 to Bost 12-14	To Commodore Coast Guard	Authorization rqst for use and alterations of Coast Guard stations and buildings. W
		To Naval Comm, comments re above, 11-29	
SEE CABLE 50		To Y&D--Rqsts engineer be detailed to establish a true North & South line for use in conn with Radio Compass Stations - Rqst Longitude and Latitude of stations as well as rprt upon method location obtained 12/7	Com-Recs for operation of radio comp station. W 12;3
			Com 12;11-Recs sig tower be installed at Lewes.
			To 1st Dist-Material for est of radio compass stations as listed has been shipped Com - 2;10
373367	11;7	European Force	Birmingham Radio compass antenna, experiments conducted on and comparison of two step amplifier with type SE. W
373354	11;21	Boston	Installation on calibration of radio compass, have suf trained personnel to handle. Fwds NY-Yd. 12/20
373331	11-30	To Nav Comm-	Cdore Cdt reqts that each coast guard station lend all possible asistance in establishing radio compass stations as points given W

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[OVER.]

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
366325	11-14	To CO COLHOUN	Rqst for inform re radio telegraph W	
367936	11-13	To 3d Dist	Points to be noted in instructing Radio Compass Operators, W	
367937	11-14	To Boston	Re shipt of radio compass amplifier for Breton Point W ~~To Dept, comments re above~~	
367939	11-14	To Dept	Rqst for authority to carry out test on radio compass, W To Dept, comments re above, 11-29 back 12;2	
368644	11;9	4th Dist	Fwds report shore radio compass stations, To 4th Dist., Comments re above report, 11-27	
367934	11-14	To Boston	report to Capt Pringle on the operation of radio Compass, Fwds copy of report; comments W	
368660	11-15	To Sims	Fwds report of test on USS MAHAN on the most most desirable location of the radio compass equipment, comments W	
368690	11-16	To Phila	Rqst for compass instructions for type SE 995 Radio Compasses, comments W	

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Number.	Date.	From or To—	Subject.	
369560	11;19	Radio Compass Officer	Fwds summary report received from chief elec Henry on radio compass station. W	
365920	11/13	To Navgn	Rqst Comdt NY Boston be author to permit Ensign Bowden Washn radio compass officer to take passage on vesls equipped with radio compasses during time in which vesls reamin off Atl coast of US for insp ec.	632
369746	12;18	Phila	Recs relative to radio compass instal on navy bldg at 17th & B St. Cross to bldgs State War & Navy.	
366604	11/2 11/6	Com Coast Guard.	Proposed instal of underground cable in vicinity of Coast Guard station 46 for the alteration of radio compass interfrence. W To Coast Guard Wahsn-author exp of 294.00 for furniture and laying underground cable 11/8	704
369745 SEE CARD 49	11-19 JAN 8 '26	To Phila Req 18 radio compasses be ship Phila-Fwds vandykes cov inst and instal calibration and oper. of meters. W 12;5 Phila-Fwds vandykes copy of instruc for instal and operat.	Rqst set of vandykes on booklet for type SE 74 radio compass. W Ph-6 sets nec to equip ves. 12;6 To Comm, re install of radio compass 11-22 To NY & PHILA authorizing the install of radio compasses on vessels listed 11-22 C&R-Copy of letter to NY, Norfolk and Phila authorizing work in con with instal of radio comp 11;2	
370600	11;19	Boston	Amplifier for radio compass at Boston point received. W	

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
365654	10;28	Rieber Lab	Req report of operation of instal on Fairfax. To—comments on above 11-14	
365917	11-8	To Boston	Design of Radio compasses for radio comments W	
366928	11;3	Hampton Roads	Test of West Elec phones set between places. W Cross to phones.	
367787	11;9	Boston	Descrip and instruc on radio compass req.	
366998	?	?	Gibralter recs all radio operations on new vessles be given special instructions covg theory and operation of radio compass, and radio tel before leaving home waters. W	894

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
368025	11;9	Boston	Radio compass outfit instal at Shellbourne N S req infor in con with ship order cov. W	
361200	11/12	To Boston	Reqts. invest. of merits of Bellini T.type of direction finder/ Boston-Fwds report of comparative test Bellini-Tosi Direction finder and stand type. 4;15 To BOSTON-Authorizes cont invest. 4;25 Boston 5;7	W
367192	11/12	To Wash.	Defects noted in the type rec'r supplied for use with Rad.Compass aboard USS MAHAN Received back 12;14	
361202	11-13	To Sims	Report on the influence of paint on the radio compass house W	
361207	11-13	To E J Simons	Comments on bids and awards of contracts under schedule 6515-1/2 W	
365918	11-13	To Phila	Re design of radio compasses comments W	
367765	11-12	To Washington	report on test of elastic mounting for type audio frequency amplifier W	
To Washn- reqst mfg be- info completion		of 6 shock prood mounting of 2-24	Wash - Fwds sketch showing mounting of apparatus. W 2;10	
368935	11-13	To Wash	Extracts from report to Capt. Pringle coming from abroad on the operation of the radio Comp W	

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
360009	10-25	To Wash	Fwds copy CO Nav Air St a Hamp Rds- let 40-2 10-16th	W
363333	10;26	S&A	Fwds bill of J L Heebner cov radio booths, asks if same have been received. K Fwd S&A 10-31	
361963v	10-26	To Phila	Reqts 2 sets of vandykes and 3 sets bprints of RL 69A 1717 description and instrn for ~~xxxx~~operation and calibration of SE-995 radio compass To Phila Rqst when vandykes can be expected To---- Asks if instruct. books rec'd. 11-16	W
362784	10-30	To Director Nav Comm	RE giving vessel her position by radio -suggests that some conventional signal be issued to service-radio compass shore stations	W
363218	10-30	To S&A	Reqts shipmt from Wash to Phila 50 sets complete receiving equipment	W
365583	11;4	NY Tel	Proposed site for radio compass station at Rockaway sat.	
365008	11-16	To Boston	Fwds duplicate esracts from report of Lt RA Laird re the radio compass W	

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Number.	Date.	From or To—	Subject.	
349547	SEE CARD	36	To Phila- Reqts that instruction sets for type SE995 and 1012 be expedited 10-31 To Phila, re instruction book, 11-29	W
361882	10-30	To S&A	Reqts shipmt from Phila to Base 27 6 radio compasses for vessels of Mine force	W
364213	11-2	To Director Nav Comm	Radio stations at Bar Harbor and Cape Henry are ready for operation and are awaiting personnel	W
364731	11-2	To S&A	Reqts shipmt from NY to Appledore Is Me radio app Received back 1;23	W
364733	11-2	To S&A T O—	Reqts shipmt from NY to Cape May Radio app Fwds S&A 12/17	W
365169	11;1	Phila	Fwds report of radio compass variation	
353772	SEE CARD	36	To Phila. On Bu list of compasses to be fwde without receiving equipmt the compass for dest 262 repeated in error	W

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[OVER.]

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
358496	10/12	Communications	Submits report on side of radio compass building at Cape May	
6 358496	10/14	Communications	Fwds report of inspection of Cape May radio compass station by Lieut. Appleby Fwd Phila, 10-19 Received back 11;7	
358722	10/15	Sims Copy 7029	Request fire amplifiers be shipped to Pauilaac for use with radio compass W	
340451	SEE CARD 33		To Bost (T) DNC reports radio compass Cape Henry does not function reqt report	W
348794	10-17	Fwd Dept	RE installn of Gyro compass repeater in Radio Compass Room on Destrs Fwd. Bu. of NAV. 11/9	W
359401	10/19	To Comdt C.G. Washn	Approves tele communication by underground cable to US Naval Radio Compass Sta. W	707
359872	12-6	To NavComms.	Re difficulties in tests with antenna.	

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Number.	Date.	From or To—	Subject.	
361247			Report of installation of radio compass of vessels listed W	
360758	1;3	Boston	Old Number	
361489	10;21	Boston	Sug report be made by each ship in con with dif in operating radios compasses.	W
330806	SEE CARD 31		3rd Dist-10-22 Rec changes in location of radio compass rockaway beach To Bost (T) Reqts Ens. Washington recs re estab radio compass station roof offiers quarters Rockaway 10-26 To 3rd Dist- In re above 10-29 FWD Y&D 11-6	W
361822	10;24 To Phila- RE priorotu of 6 radio compasses 10-28	Sims Comy 7779	Req six destroyers type radio compasses be shipped to base 27 for instal on vessels of mine force. W To Sims(T) 7779 Radio Compasses type SE 995 for Mine SWEEX Forces Base 27 ordered shipped 10-28	
319243	SEE CARD 27 To Y&D re establishment of radio at Dumiscove is 11-21 To Y&D re establishment of sta at cross is 11-21		To Ports-Bost- Authorizes Emergency fund $500.00 to each of radio compass stations listed To Bost- Additional funds for housing of personnel at radio stations listed not a proved 10-24 Boston - 11;2 Boston-Req increase of appropriation. 11;9	W
361200		See CARD 41		
361207 on card 918		#91		

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[OVER.]

Number.	Date.	From or To—	Subject.
355901	None	Boston	Rec provision be made for proper tel lines coming to radio stations. W
356099	10;5 To Ports- approve estimate of 160 acn action taken PITTS SD San Francisco 6/25	Boston	Comments on precaution to be taken on ship equip with radio material. W To C&R- RE grounding of rigging to prevent variation in radio compass adjustments-10-17 Ports-Sub estimate. 6;6
355764 To S&A- Reqt cancel shipt order. 7-15	10/7	To S&A	Reqts. shipt. of radio apparatus from Phila. to Cross Is. Me, for Rad. Compass Sta. Phila 7;11 To Ph- Bu reqst canc of shipt of type SE 995 radio compass 7/15
355284	10/8	To Insp. Keyport (T)	Calls attent. to let. stating planes may be shipped withoutbatteroes
352626	10-9	To Boston	Re test to determine best location for radio compasses aboard destroyers, W
356484	10-9	To Director Naval Com	Rqst method of operation of shore radio compass stations, W
334098	10/9	To 3rd. Dist. (T) 707	Author. ~~xxxxxx~~. allot. for rad.compass school Pelham Bay.

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
353773	10/10	To Mare Is.	Gives instruct. for shipt. of radio compesses.	
356428 see 92				
354732	10-11	To Marconi Wireless	Rqst inform re an apparent necessity for a device for dividing angles. W	
356482	10-11	To Comdts and Yds,	Elimination of rotary tone condenser W	
357014 SEE CARD 57	10-11	To Directr Naval Comm To Sec Navy--Recs that above mine sweepers be equipped with radio compass, and men be placed aboard for training. W	instruction of radio compass operators W To Comm- Asks action taken on suggestion of patrol boat at Pelham bay for instruction of radio compass operators 11-20 Rec back from Co 11:20 Ship Ord 12;9 back 2;8 To Dept 12;18 received back 1;13	
357411	10-11	To Dept,	Test to determine best location of Radio compass aboard W To Dept. 10/11 R. B/ 16 Fwd Bost 10-23	
357303	10-14	To Dept	Rec that all destrys hav their compasses -Radio- calibrated when they put in a t Newport W	
358246	10/9	N. C.	Changes in type 74 radio compass W	
357214	12-9	To S&A	Reqts. shipt. of radio material from Wash. to Bu. of Stand., Wash.	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
351058	9;20	Coast Guard	Radio compass station Appledor Isl will shortly be completed, req alotment. Fwd Coast Guard 10-1 received back 10;7
350099	9/20	To Insp. Machinery.	Re installation o radio compasses. W Mare Island Oct. 14
351541	9;20	Second Dist	Req material listed be authorized for Coast Guard compass Station 53 and 46 W
350651	9/23	To Phila.	Reqts. report on status of Models A&B Radio Compasses W
316596	9/21	To Phila.	Author. install. of a protective relay equipt. for radio compasses. W
353299	9;27	Sims Copy 5697	Advises to have available direction finder apparatus in seaplane for locating convoys. W To Sims (T) Will supply above as soon as possible, 10-3

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
353655	9:25	2nd Dist	R q new equip for radio coast guard compass station 53 and 46 To----Gives instruct. for clothes lockers.	10/4
352626	9/27	To Operations	Reqtd. that authority be granted to make a temp. install. of a compass amidships as explained. W Boston. Oct. 10 ~~Inspr. G. E. Oct. 16~~ Boston Oct. 17	
354733	10;2	Com	Fwds report of Lt Appleby and investigation of errors made at shore radio compass station, and reports on use of angle div. W	
354780	10;1	Experiment Station	Asks result of test radio compass station W. To New London---Test completed and found satisfactory. Desires compass remain on sub-chaser. W2/20 Rec back New London 12;30	
354098	9;26	3rd Dist 707	Req allotment for radio comp school.	
354952 To Sims (T) re delay in radio compass equipment 11-12 To	10/4	To Sims (T)	What wave length range desired on new design of TED rad. compasses. Sims - Copy 6538-Great amplification of radio compass essential. 10;9 Sims-Copy6538-Condensers not essential.	

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
346472	9/11	To S&A	Reqts. shipt. of rad. apparatus from Wash. to Smyths Pt.Cross Is.Me. for Rad.Com.Sta W
346823	9/11	To S&A	Reqts. shipt. of radio apparatus from Wash. to St.Georges for Rad. Com. Sta. W
347533 Old No.	1;2	TO S&A	Received back 5;9
346471	9/11	To S&A	Reqts . shipt. of rad . apparatus from Wash. toMontoloking for Rad.Compass Sta. W
347332	9/13	To S&A	Reqts. shipt. of rad. apparatus from Phila. to Boston for stock. W
	To Bost-	Fwds copy of shipmt order of Sept 13th 11-9	Boston-Radio compass rec. W 10;24 Boston 10;30
To S&A Rqst shipt radio apparatus Boston to Charleston. 11-23			
347571	9/13	To 3rd. Dist.	Gives instruct. for removal compass sta.& school from NY to Pelham. W
295395		See CARD 21	To Boston. 2 compasses will be shipped from Phila. to Boston. 9/14 To Bost- Radio compasses for WALKE AND JOUETT will be fwded Oct 17th 10-31
347853	9/14	To Phila.	Author. installation of rad.compass equipt. on TARBELL. W
349037	9;12	Fwd Norfolk	Fwd. C&R 9/19
348744	9/17	To S&A	Reqts. shipt. of radio apparatus from Wash. to Phila.for Paulliac. W received back 10;24

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
349879	9;17	Wireless Imp Co	Fwds copy of proposed agreement sent by Sperry Co covering assembly of 150 radio compasses receivers, protest against signing.
349547	SEE CARD	40	To Sperry. Ack. rect. of copy of terms submitted to Wireless I.Co. & commenting on same. 9/26 Phila-Fwds vandykes. 11;16
349012	9;13 To S&A req radio variable condenser 6-12	Boston ship from Washn to Newport	Req audion control box and air condenser be shipped to superintendent Newport. To S&A Reqts. shipt. of rad. apparatus from Wash to 2nd Dist. for Rad.Compass Sta. W 9/19 Boston Oct 28. To S&A req can SO 9-19-18 5-29-19 S&A 6;7
349299	9/18	To Phila.	Reqt. that requis. be made out for printing Rad.Compass Instr. W
349649	9/18	To S&A	Reqts. shipt. of radio apparatus from Wash. to Appledore Is.Me, for Rad.Compass Sta. W Received back 12;23
349298	9/19	To S&A	Reqts. shipt. of radio apparatus from Wash. for & to Phila. To Phila- ~~XXXXXXXXXXX~~ Asks that they ack receipt of above app 10-29
350710	9;22	2nd Dist	Req instruc for operation of compass.
349657	9/20	To Phila.	Reqt. for Instruction Books on Rad.Compass. W
353772	10-2	To Inspr FR SEE CARD 40	Re shipmt of radio compasses for destroyers W
34429	10/11	To Internat. Tele Co.	It is hoped that compasses lost will be found before needed.

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[OVER.]

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
343086	8;29	Marconi Co	Fwds instructions covering flying boat radio transmitter for J F Donohye, 2nd C Elec.
343570	8;27	R S 60	Have purchased a carload of plain red oak from Williams, Varis Lumber Co, acknowledges with thanks authority of bureau to fwd. W
312449	8:21	Navigation	Fire Room Unit for training firemen operation of same depends upon delivery of reducing valve ordered from Ashton Valve Co. Feg. Bur. expedite delivery of R.
fr.cd 25	trans.fr. 340156-615-7 To Mare Is. (T) Gives shipping instruct. for radio compasses 9/30		To M. Is. (T)-16015 - Nav. Ashton Valve Co. have no record order wire number 8/27 RB from S&A 6;9 Mare Island T. Ask probable date of radio compasses for destroyers building 9/3 To Mare Is. (T) Gives position rad. compasses for TBDs. 9/9 Inspr Boston-Order cancelled S F Bailey R 8/30 MI- Tel- Req authority to mfg radio compass house for destroyers listed W 9/7
	To Boston, Re rqst for dwgs on receiver transfer switch, 10-2		
344779	6;11	Ammonia Constr Co	Quotes prices for receiving booths. W
344886	9;4	Com	Variations for bearings taken by radio compass, fwds report on experiment conducted at Belmar. W Fwd. Phila. 9/10 received back 9;28

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
345603	9;4	Phila	Radio booth, conf tel cov rel to, erection of	
345823	9;5	Boston	Fwds radio compass calibration for three vessels. W	
345502	9/7	To Phila. To---	Allots amt. for developt. work rad. compasses. W Bu authorizes Phila Yd to carry on necessary research work to improve sharpness of minimum ~~of~~ in setting compass. 12/17	
342570	9/6	To Russell-Sc. Co.	Reqts. information as to contract referred to. W	
345501	9/9	To 2nd. Dist.	Re calibration of Radio Compasses. W Fwd Dept, 10-9	
346345	9;3 To Phila. of 9/23. Fwd	Boston Reqts. reply to let. 10/8 R. B. Oct. 10 Coast Guard 10-14	Radio compass station at Damiscove Isl. Me req instrd be given to have door omitted. W Fwd. Wash. 9/12 ~~Fwd. Phila. 9/23~~	
34429	9/9	Inter R T Co	Status of shipmts of Radio compass coils	629
346167	9/10	To Phila. 898 x	Gives shipt. instructions for receivers. W	
348794	12/18	To Nav.	Bu rqsts to be informed when deliveries of repeaters can be expected from Sperry Gyroscope Co. fwd Navgn 5-8 rec back 5;16 W	

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
312449	10/11	Mare Island	Asks probable date of shipment radio compasses for destroyer 136 W Mare island Oct. 14 Telegram information of radio compass holding up work W To M Is (T) 13011 radio compass coil and house destr one thirty-six shipped from Phila Oct 11th Am Railway Express lading thirteen oen forty three 1-0-19 To Phila- confirms phone- Radio compass coil and house for Dest 136 shipped 10-11th Am RR Exp lading 13 143- W 10-21 Boston Oct. 19 - Fwds vandykes Shipment order 11:4 received back 11:29 **Shipment Order 6;4 received back 1;23** **Shipmt Ord of 6;3;18 RB 5;12;19**	
359618	10/17	Communications	Reports inability to make radio compass at Cape Henry work W	
359872	10/17	Communications	Fwds report of Lieut. Appleby in connection with certain distortions at Bay Shore radio compass station W	
360011	10/15	Hampton Roads	Direction finder coils - fwds report of tests of detail comment	
360009	10/16	Hampton Roads	Direction finder coils for planes - comments on trouble experienced	W

308838

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Number.	Date.	From or To—	Subject.	
308839		FROM CARD 25	Phila Oct. 14 Phila-Special report on shipment of radio compass 12;26	
348941	11;12	To Dept	Old Number Received back approving alteration, 11;21	

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[OVER.]

DIRECTIOM FINDERS:

Number.	Date.	From or To—	Subject.	
8 339350	8;17	Naval Com	Fwds copy of authority for use of Coast Guard Station 13 and 36 for shore radio compass. Fwd 1st Dist Via Boston 8-27	
339278	8;20	Y&D	Make additional allotment covering cost of billets at radio station.	
340264	8;22	Sims Copy 3389	Asks when radio compass will be shipped. W	
341195	8;23	Dept	Copy of letter to 1st dist giving correct position of shore radio station 1st dist.	
341194	8;23	Dept	Copy of letter to 1st dist giving correct position of shore radio compass station for 3rd dist.	
341193	8;23	Dept	Copy of letter to 1st dist giving correct position of shore radio compass station 4th dist. W	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
341924	8;22 8;26 Fwd. Wash. 9/14	Naval Com Coast Guard	TEL: Reqst arrangements with New Eng T & T Co be made in connec with radio compass station at station 46. Fwd. S&A 8/29 received back 9;12
341500	8/27	To Boston	Reqtd. that Ensign Washington report to SE Tuesd. morning 9/3. W
341576	8/27	To Phila.	Reqtd. that Ex. Rad. Forbes be ord. to report SE 9/3. W
341577	8/27	To Seenav.	Reqtd. tht Rad. Elec. Ballentine be ord. to report to SE 9/3. W
342268	8;27	Naval Com	Fwds copy of letter from Coast Guard authorizing use of coast guard reservation #8 for radio compass station. W Fwd. 1st Dist. 8/29
342681	8;29	Marconi Co	TEL: Reqst expedite delivery of short bulletins for test flying boat transm.
339706	8/28	To Phila.	Reqtd. that Coms. be supplied with instruct. for Compasses. W
342020	8/29	To S&A	Reqts. shipt. of Radio apparatus from Phila. to Wash for Rad. Test Shop. W
345339	9/9	Sims 4248	No definite practical results yet obtained with radio compasses 82-Q-6

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
336665	8;5	Naval Com	Fwds report of Lt Appleby in connection with shore radio compass station of Cape May W Fwd. 4th Dist. 8/15	
336757	8;1	Phila	Confirms tel conversation reqst purpose auxiliary audion controll box, received.	W
337168	8;10	Hampton Roads	Submits report of British method of determining direction of sig, using maximum method. W	
335396	8/14	To Boston	If impossible to locate shipt. of compasses reqd. that B. be notified immedeately. W	
337982	8;13	2nd Dist	Reqst all available infor in con with operation of type 995 radio compass W To--- Re instruct. for rad. compasses	
337521	8;13	Washington Yrd	Protection of radio compass received, fwds report on. W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
337527	8;7 8;13	Super Boston Communication	Relative to radio direction at Portland Radio Station.	
340086	8;27	Fwd 2nd Dist	Old Number New York - Material to be purchased. W S&A Oct. 8 Request recommendation in connection with assignment Fwd S&A 10-15 To S&A Rqst info re shipt of radio 11-19	9;10
338690	8/16	9th Dist	~~Fwds list from the aid for inf 9th dist rqstd.~~	
337537	8/20	To 1st Dist.	Allots amts. for purpose of establishing rad. compass stations at Appledore Island & No. Truro. WK Y&D - Makes allotment 8;27 To Y&D. Reqts. building be constructed as early as possible. 9/16	
340329	8;22	Communication	Gives position of shore radio compass station Newport.	
340423	8;21	Boston	Improvement of radio compass which will shortly be needed by oversea forces in large numbers, reqst Mr Bulletine be authorized to look into. W	
340451	8;22	Communication	Gives correct position of shore radio compass station Cape Hatteras and Henry and Assatrague Isl. SEE CARD 39	
340264	8/28	To SimP (T)	Estimate ship 12 radio compasses. W	

To Norf. Re Establisht. of Rad. Compass stas. Cape Hatteras & Cape Henry. 9/6

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[OVER.]

Number.	Date.	From or To—	Subject.
334829	8;4	Naval Communication	Fwds report of Lt Appleby in connection with shore radio compass station for Ports contract. W Fwd. 1st Dist. 8/16 received back 9;14
334830	8;4	Naval Communication	Submits report of Lt Appleby on shore radio station at Booth Bay Coast Guard Station #8 W Fwd. 1st. Dist. 8/12 received back 9;21 Boston - 8;21
334833	84	Naval Com	Submits report of Lt Appleby on radio station at Otters Cliffs W Fwd. 1st. Dist. 8/13 received back 9;23
334832	8;4 Communications Oct. 17	Naval Com	Submits report of Lt Appleby on radio station and recommends that all tel and other lines leading to shore radio station at Besheathen be under the ground or as near as possible. Fwd. Comm. 8/10 To Boston. Fwds. encl. for Ensign E. Washington. 8/10
335192	8;7	Communication	Copy of letter from Coast Guard authorizing use of coast guard station #2 for radio compass station. Fwd. 1st Dist. 8/10 Received back 9;23
335573	8;7	Inspr Newport News	Reqst prints and instruction radio compass and tel installation on destroyer be supplied W To—— Fwds. 1 copy of booklet instructions for installation rad. compasses. 8/15
334098		See CARD 38	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
330380	8/8	To Phila.	Re model letter assignment for Radio Compasses. W
334580	8/8	To Phila.	Rqetd. that you fwd. 3 copies of instruct. booklets re Rad. Compass. W
334737	8/8	Fwd. 1st Dist.	Encl. fwd. for comment & recommendation. W Fwd. 1st Dist. 8/8 received back 9;28
336230	8;10	Communication	Fwds report from Lt Appleby on radio compass station North Truro Fwd. 1st. Dist. 8/15 received back 9;13 Fwd. 1st Dist. 8/15
335404	8/10	To S&A	Reqts. shipt. of rad. apparatus from Wash. to Newport for Rad.Comp.Sta. W To Bost- Amplifier will be shipped Nov 1st- audion control box not available 10-31
~~336857~~	8;12	Y&D WROND ENTRY	E H Freeman Elec Co - Fwds samples of sockets, also catalogue, reqst be considered in placing future contracts. L
336857	8;13	Y&D	Make allotment covering construction of radio compassstation at Cape Henry & Hatteras.
336488	8/13	To Phila.	6 rec'g equipts. compl. were turned over to Wash. on 8/9 for shipt.to Phila. W

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
329245	7/23	To Sims (T)	Do results obtained from Radio Compass Type SE 995 merit cont. manf. that type compass. W
329249	7/25	To Boston	Reqtd. that Off. in Charge of Rad. Compass installations be directed to expedite installations on Stations. W7/25
329775	7/16	Boston	Confirms tel conversn in conn w numbers and names of destroyers eqpt w radio compasses 79-Q-6
330155	7;24	Sperry Co	Reqst instructions as to further shipment of radio compass. W To---- All rec'rs. are to be del. to Wash. 7/30
330414	7;25	Naval Com	Fwds copy of correspondence authorizing instal of radio compass stations at Cost Guard station #107, 150, 161 and 183. W To Coms.1,2,3,4,5. Dists. Fwds. copy of Capt. Co.US Coast Guard let. 7/23. 7/30
330638	7;26	West Elec Co	TEL: Reqst two copies drawings covering radio compass receiver. West Elec Co 8;1
330806	7;22	3rd Dist	Fwds sketch of New York City vicinity showing location of proposed radio compass station. W Fwd. SecNav. 8/2 received back 8;12
331012	7/30	To Inter.R.T.Co.	Y&D - Makes allotment 8;26 No name plate is to appear on starting panel of Transmitter. W

CARD 39

To 3rd. Dist. Re Establsht. of Rad. Compass Sta. 8/15(2 letters).
(3rd Dist-10-22-Rec changes in location)

704 rev and

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
331848	7;25	Phila	Confirms tel conversation in connection with method of protection of radio compasses. W	
332423	7;30	Naval Communication	Fwds report of Lt. T Appleby on Shore radio compass station Newport R. I. Fwd. 2nd Dist. 8/3	
330380	12/3	To Phila.	Asks what material comprised a Type SE 515 compass coil.	
332286	7;29	Naval Communication	Fwds report of Lt T Appleby on Shore Radio compass station Rockaway. W	
332426	7;29	Naval Communication	Instruct set true north shore radio station Coast Guard Station #46 W Fwd. 2nd Dist. 8/2 To Newport (T) Amt. author. establish rad. compass sta. Brenton Pt. 8/9 Y&D - Allotment made - 8;13	
332427	7;29	Naval Communication	Bill for Coast Guard Station 53 Fwd. 2nd Dist. 8/2 received back 8;16	
332425	7;31	Naval Communication	Rec radio compass station be established on Coast Guard reservation #36 Fwd. 2nd Dist. via Newport. 8/2 received back 8;16	

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
326390	7;12	Naval Communication	Radio compass at Coast Guard Station 107 can be set true north by line marked on top of north and south rails. W
324764	7/13	To Phila.	Quotes long distance tel.convesration requesting that Expert Radio Aid Ballantine be sent to Boston and then to Wash. to take up matters of the Radio Compass. W
326896	7;12	Department	Reqst disposition of radio compass at Madrid. W To Nav. Intell. Reqtd. that rad. compass unsuitable at Madrid be turned over to Com. Gibraltar. 7/22
327152	SEE CARD	47	
328045	7;18 Fwd. Boston	Communication 8/21	Shore radio compass station, makes report on finding and recommendation for instal. W To Coms. Fwds. copy of let. of Thos. Appleby 7/18 re instruct.transfer rec'g instruments. 7/25 Fwd. Comm. 8/13 Boston 8;4 To Naval Communications 8/13 RB 8/17
327818	7;17	Boston	Recommends installation on audion deduction, to eliminate vibration. received back 8;11 Fwd. Wash. 7/25 To Boston. Re difficulty experienced in operation of radio compass. 7/25
328573	7/23	To S&A	Reqts. shipt. of radio apparatus from Wash. to & for Phila. W To Phila. Gives list of rad. material expressed 7/17. 8/12
328978	7/23	To Phila.	Author. to install 1 type rad. compass on PATTERSON. W

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Number.	Date.	From or To—	Subject.	
316979		See Card 26	To S&A. Reqts. shipt. of radio apparatus from Phila. to Queenstown for MELVILLE.	
		To MELVILLE- Asks they ack receipt of 6 radio compasses 10-15	To S&A Reqts. shipt. of radio apparatus from Phila. to Brest for Destroyers.	
Phila. 10/19		Submits report Sh Order 1;3	Phila - Report on shipment of radio compasses.	8;20
		To S&A- Reqst shipt from Phil to Pauillac France four type SE 598 radio compasses be canc. 11-24	To Brest Fransce- Acks that they ack receipt of above material 10-15	
			Rqst shpmnt from Phila to Brest F. be canc.	12/16
328321	7/19	To Wash.	Fwds. copy of Report on protect. of Rad. Compass Apparatus during Transmission. W	
327535	7/19	To Inter.Tel.Co.	Desires that they ship 4 type rad.Compass Coils & 4 swicthes to Phila.	
327902	7/19	To Wash.	Reqts. to modify 4 rec'rs making them suitable for use with "O" rad.compass. Washington 8;28	
		To Wash. Reqts. Wash. to modify 4 rec'rs.	~~To Wash. Reqts. to modify 4 rec'rs. 8/~~ To Phila. Shipt. of amplifiers & rec'rs to Phila.	9/14
328518	7/22	To Inter.Rad.Tel.Co.	Reqts. to investigate shipt. of hand wheel for rad.compass for NEW MEXICO. W International R T Co - 7;24	
328305	7;19	Naval Communication	Fwds letter from Lt Appleby sub report of visit to various shore radio compass stations. W ~~Fwd. 3rd. Dist. 7/23~~	
328518	7;19	International R T Co	Hand wheel of radio compass will be shipped to New York. 7;18	
329039	7;2	Simms	Copy of letter to France directing careful record be kept of alterations of radio compass.	

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Number.	Date.	From or To—	Subject.
323788	7;3	Signal Corps	Reqst Lieut Blatterman be given authority to visit Phila in connection with direction finders.
322470	7/9	To Phila.	Reqts. report & recom. on design of radio compass. W
323856	7/9	To Phila.	Gives tel. conversation re tracing shipt. of compass coils. W
324036	7;8	Naval Communication	Shore radio campass station #183 and Cape Hatteras Light House, can be set True North by NS line of main building. W Fifth Dist - 7;12
325010	7;8	Naval Communication	Radio compass at Coast Guard Station #150 can be set True North by N-S line of main bldg. W Fwd. 4th Dist. via Com.4th Dist. 7/12
325009	7;8	Naval Communication	Compass at Cape May base can be set true North by sighting at Cape May Light House. W Fwd. 4th Dist. via 4th.Dist. 7/12

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
	7/10	To Phila.	Reqts. wave length range of radio compass. W	
325151	7;2	E J Hantsche & Co.	Are in position to mfg at once sound proof receiving booths, factory not busy. W Are in position to mfg. 7;2	
325478	7;10	Naval Communication	Submits report of Lt. Appleby to Shore radio compass station at Assateagae Isl. Fwd. Phila. 7/16	
325477	7;10	Naval Communication	Submits report of Lt. Appleby to Shore radio compass station at Cape Hatteras. W Fwd. 5th Dist. 7/16	
326391	7;12	Naval Communication	Radio compass at City College New York can be set true north by line marked at top of railing around tower. W To Phila. Re installation of radio compasses at Mantoloking & City College. 7/17	

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
322369	6;28	Mazer Acoustile Co.	Asks action taken in connection with bid of sound proof booth. W	
322471	7/2	To Boston (T)	Houses & coils shipped from Phila. Sat. night Adams Express B/L. W	
322323	6;28	N L	TEL. They have lost everything here, proceding to Boston. Washington - List apparatus shipped to	New York 7;1
322605	7;1	Communication	Fwds copy report Lieut Appleby on visit to Norfolk in connection with establishing finding station to be located at Cape Henry. To Communicat. Will ship small lalley engine bat. charging unit. 7/5 Fwd. 5th Dist. 7/16	
318648	7-3	TO S&A	Rqst shiment from NY to Bost-Radio Lab-Vacuum tubes- W	

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DIRECTION FINDERS 919

Number.	Date.	From or To—	Subject.
322474	7-3	To NY	In re to delivery of radio compass for U.S.S. MEXICO- W-
		International R T Co. 7;15	To US.S.MEXICO- ditto- 7-3
		Washington 7;5 received back 7;15	To Phila- ditto- 7-3
			To Wash - ditto- 7-3
		Philadelphia 7;16	To Phila. Reqts. that 1 compass be shipped NY for NEW MEXICO. 7/5
			TO NY. Re above. 7/5
			To Wash. Reqts. shipt. of rec'ng equipt. 7/5
			International R T Co 7;5
			To Inter.R.T.Co. States one set of switches will also be needed. 7/9 received back 7;15
322878	6;28	Communication	Instal. of radio compas. True north can be obtained at Coast Guard Station 161 at Cape Henry. W
223393	7;3	E J Jarvis	Present radio contract covering radio compass will shortly be completed, asks information future requirements. W
			To------ No further needs at present. 7/10
322472	7/6	To Phila.	Confirmation of tel.call re shipt. of radio compasses. W
			Phila - 7;15
322824	7/5	To Boston	Re shipt. of 2 rad.compasses for installation. W
324748	7/11	To NL 1-2-6	Reqts. report re installation of radio compasses on S.C. W
324749	7/11	To Inter.R.Tel.Co.	Believes that overtime work was nec. W

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
318145	6/21	To S&A	Reqts. shipt. of radio apparatus from Phila. for Coast Guard Station at Cape Hatteras. W To Gd. Sta. Cape Hatteras. Asks if rad. apparatus rec'd. 9/3 Shipment order 6;21 received back 9;16 To S&A Rqst shipt radio apparatus Wash to Cape Henry, 11-5	
318198	6/21	To S&A	Reqts. shipt. of radio apparatus from Phila. to Shelburne for Floating Base. W	
318199	6/21	To S&A	Reqts. shipt. of radio apparatus from Phila. to Machias for Naval Base. W	
318667	6/21	To S&A	Reqts. shipt. of radio apparatus from Phila. to Bar Harbor for Radio Station. W	
318669	6/21	To S&A	Reqts. shipt. of radio apparatus from Phila. to NY for NY.W	
318416	6/22	To S&A	Reqts. shipt. of radio apparatus from Phila. to Sisconsett for Radio Station. W To R.sta. Sisconsetts Asks if rad. apparatus rec'd. 6/26	
318675	6/22	To S&A	Reqts. shipt. of radio apparatus from Phila. to NY for NY RB 1/3/20	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
CARD 39 319243	6/22	To S&A	Reqts. shipt. of radio apparatus from Phila. to Boothbay for Radio Station. To S&A Reqts. shipt. of rad. apparatus from Phila. to Boothbay Damis Cove Is, Me, for Coast Gd. Sta. W 8/13	
To Radsta, Boothbay. Rad. material to be shipped to Damis Cove Is. 8/22 Coast Guard-Material for Coast Guard Station #6 8;26. To Com, Bost. & Port. Re establishment of Sta. at Damiscove Is. Me 10/5			Shipment ordered 8/13 - RB 8/17	
318951	6/24	To Boston	Gives list of Stations to which Radio Compasses will be shipped & with instruct. re same. W Y&D 7;17	
To 5th Nav. Dist. Reqts. that radio compasses be shipped to points listed. 6/26 First Dist 6;24 received back 7;2 To 1st. Dist. Sum allotted for purpose of providing suitable bldgs for radio compasses. 7/8. To 2nd Dist. Reqt. that rad. compass be shipped to Siasconsett for installation. 7/8 Naval Communication - Fwds sketch showing transmitter and radio campass station. W 7;8 Fifth Dist - Submits report 7;10 W. To 3rd. Dist. via Com NY. Reqts. tobe advised when station is completed & equipped for			To 1st. Dist. Gives list of Bases to to which Radio Compasses will be shipped and gives instruct. re same. W To Phila. Gives list of points to which radio compasses have been shipped. 6/25 To 3rd. Dist. Gives list of points in Dist to which radio compasses have been shipped. 6/25 To 4th Dist. Reqts. that radio compasses be shipped to points listed. 6/26	See CARD Dup.31
~~320516~~	6;2	W Burke	Will recommend improvement in 24 inch searchlight. L	
		WRONG ENTRY		
320516	6;18	Phila	Personal - Relative to securing shipping instructions for house. W	
319440	6/27	To Inter. Rad. Tel/Co.	States have decided to use 20" coil. W6/27 To Phila. Gives tel. conversation re 6 ft. compass coil ordered from I.R.T.Co. for Col. of C. of NY. 7/2	
258582	6/27	See card 7	To S&A Rqts shipt from Phila to NY for Radio Listening-in Sta Radio Compass for 707	
320708	6/28	To Boston	Author. Ensign Bowdin, Washington to obtain 2 radio com-	
Boston - Sub estimate of radio compasses from NL form TBDs. W Boston - Fwds prints. 7;25 Boston 8;5 compass required. 8/5 Boston - Fwds vandykes 8;14 Boston - Report of installation of compass on destroyers listed, fwds vandykes. 8;1				

[over.]

Number.	Date.	From or To—	Subject.	
310145	6-12	To Sperry Gyroscope Co.	Asks date on which drawings were mailed. W	
315869	6/11	Signal Corps	Fwds vdk prints of radio compass. W	
316979	6/15	Sims Copy 9650	Radio compass houses recd at Queenstown unsuitable for dests-apparently for battleships-will returned to you. S	
See CARD 30		SIMS: Copy 1221 Reports on assignment of radio compass W SIMS - Copy 1220 Report on status of 7 SE 995 radio compass received today. W 7;15 To Sims. radio compasses will be shipped MELVILLE. 7/17	To Sims (T) Lt. Forbes enroute for conferences re compass houses. 6/27 Sims - Copy 968 - Installation of radio gap being made on gun boat, scout cruisers etc. W 7;10 To Sims (T) Gives instruct. for install. of radio compasses. 7/12	
317077	?	?	Rqst for instn book coverg operation and maintenance of radio compass. W To Special Bd; Dept. Fwds 2 sets instruction booklet. W 6/20	
316548	6/12	Atlantic Flt	Fwds print showg suggested method for remedy of mechanical defects in radio compass.	918
		To Phila. Asks when reply to let. of 6/19 may be expected. 6/13	To Phila. Re correction of above. 6/19 Phila. - Sub report covering mechanical defects of radio compass. 7;15	
318600	6;19	Boston	Philadelphia 8;3 received back 16th Regarding radio compass. W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
283144	6/20	To S&A	Reqts. shipt. of radio apparatus for Radio Station from Phila. to Cape May. W
318141	6/20	To S&A	Reqts. shipt. of radio apparatus for Radio Station from Phila. to Mantoloking. W
318142	6/20	To S&A	Reqts. shipt. of radio apparatus for Coast Guard Station from Phila. to Assateague Is., Va. W Phila - No source of power available for shore storage battery at Coast Guard Station #150 W 7;10
318143	6/20	To S&A	Reqts. shipt. of radio apparatus for Coast Guard Station from Phila. to Cape Henry, Va. W To Cape Henry. Asks if rad. apparatus rec'd. 10/4
318788	6;9	Boston	No radio compass for Walke, Jouette and Stringham. W
317383	6/21	To Com., Ind. Mgrs., Com. in Chief, Insp.	To call on officer in Boston for calibration of Radio Compasses on Vessels. W

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DIRECTION FINDERS DUPLICATE

Number.	Date.	From or To—	Subject.
308839	6-1	To Phila-	Radio compasses- order of shipment-W
To Phila. Gives schedule for shipts. of radio compass. 8/21			To Bost- In re shipment radio transmitting sets--6-6 Phila 11;4
To Phila. Gives ship. directions for rad. compass for TBD 106. 9/11			Phila - 7;27
To Phila. Change in position for compasses for Base 25.9/25 SEE DUP. 35			To---- Reqts. that all reports in future show #s dates & other data. 7/31
313033	6-3	To NI	Fwd to Boston 8;22
			Type SE 74 Radio Compass-Fwds drawing and instructions for operation covering same-W
312449	6-4	TO S&A	Rqst shipment from Phila to Cramps for Destroyer 142- radio compass-7
S&A - Fwds copy of report on shipment, and asks if progress sat. 8;8 Fwd. S&A 8/15			TO S&A- Rqst shipment from Phila to Beth Ship Co- for Destroyers 261 and 262- 2 radio compasses- 6-3
to cd 35		Mare Island 8/15 -(T) - Asks when shipment of compass for destroyer No/139 will be made. W	TO S&A-Rqst shipment from Phila to FR- for Destroyer 161- radio compass-6-5
		M I - TEL: Equip can be shipped at once and instal prior to sale of vessel or can use equip for Robinson. W 8;24	TO S&A-Rqst shipment from Phila to Mare Island for Destroyers 136-137-138- radio compasses-6-3
		To Mare Is. (T) Rad.compasses for TBDs 89 &92 have priority order.8/27	TO S&A-Rqst shipment from Phila to Union Iron Works- for Destroyers 171-172-173- 2 radio compasses--6-3 (with Ashton Co-No prices und. $500
		To Mare Is. (T) If Compass not rec'd use 88 8/28. Fwd.S&A 9/5	TO S&A-Rqst shipment from Phila-to Mare Island for Destroyer 139- radio compasses- 6-4
312727	6-4	To Bost	MI - TEL: Reqst reshipment of radio compass from destroyer 89 to 92 and 104 to 112 W 7;30
			Installation of radio compasses- preparing calibration curves-Comment on-W
313030	6-5	TO Bost	Radio- T 1- Calibration of radio compasses on U S S SEVENS- Phone Call-in re to above-W

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DIRECTION FINDERS) 919

Number.	Date.	From or To—	Subject.
312646	5/31	Mazer Acoustile Co	Submits estimate covering sun proof booths-W
313885	6-7	To NY (T)	Auth expenditure 250 dollars installation radio compass Montauk Naval Emergency app.W Y&D - 8;5 Fwd. 3rd. dist. 8/10 Received back 8;28 To Y&D. Allots amt. for install. rad.compass. 8/30
314062	6/7	Naval Communications	Reqst copies of instructions for installation of radio compass - W
315249	6/7	Ward Leonard Elec Co	C B French Cabinet Co highly recommended as mfe of sound proof booths. W
315375	6/7	Phila	Confirms T conversation asking if yards shall undertake mfe of ten foot coil system. W To Phila. Approves reqt. W 6/13
316596	10/1	Mare Island	Fwds prints requests telegraphic action W Phila-Relays not in stock at Phila. 10;31 To Phila. Author. manf. of 300 Prot. Relays11/12 Ph-Tel-45 relay shipped tp M I. 3;21 To Phila Tel 3-14 To M Island Tel 3-27

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
301751	4-30	To Phila	Radio Tel. Shipment of 20" radio compass receiving equipment from Washington to Phila-W
302357	5-2	To N Lon	Rqst every effort be made to install three radio compasses on submarine chasers W TO S&A-- Rqst shipment from Phila to N Lon 3 radio compasses--
304492	5/6	K & B Co.	Ask for additl order for radio compass house.W . To--- Cannot give no of radio compas houses to be ordered in future but what already delivered are satisfactory 5-9
283317	5-8	See Card 17	To Int Radio Tel Co- Fwds one vandyke of each of llisted drawings--W
305742	5-13	To S&A	Re shipmt from Washington to Phila of 2 type SE-712 radio receivers, W Shipment order 5;13 received back 5;24
307174	5-17	To New London	Fwding report on test of short wave radio compass, W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
307797	5-20	To Bost (T)	Install future radio compasses on destroyers in auxiliary radio room after deck house Separate compass room over engine hatch disapproved	W
308529	5-22	To S&A	Reqts shipmt from Phila to Bost for ships - radio compasses	W
ToS&Ship from Phil		to MI amend of 3-20	Reqts shipmt from Phila to M Is for ships - radio compasses 5-22	
		To---	To--- Reqts shipmt to Ports ditto. 5-22	
TO CARD 102		Shipment ordered 5/22, RB 8/19	To--- Reqts shipmt to Norf ditto 5-22	
		To Phila. Re priority of shipt. of radio compasses to Boston 9/14 received back 11;/1	To--- Reqts shipmt to NY ditto 5-22	
		To S & A requ shpmt radio apparatus from New York to Phila -	Received back 7;22	
		To S& A requ shp radio apparatus Norf to Phila	Mare Island: Reqst status of radio compass shipped. W 7;29 Ship Ord of 5;22 RB 8;22	
		To S&A amend of SO 5-22 3-29	To Mare Is. (T) Rad. Compass not yet available you will be informed shipping date when shipt. made. 8/5	
309145	5;22	Sperry Company	Drawings listed of radio campus. W	
310799	5/9	PearlHarbor	Recommends installation of radio compass Cavita, Pearl Harbor, Pago Pago & SanDiego or Darian for use in detecting enemy wireless plants in Pacific Ocean - W	
			Fwd Dept 5-31	
			To S&A Reqts. shipt. of radio apparatus from Phila to & for Pearl Harbor 8/29	
			TO S&A-Req ship from Phila to Pearl Harbor be of radio compass be canceled. 1;17	
311641	5/28	Mazer Acoustile Co	Request instrns re submitting specifications for single and double type of sound proof booths-W	
			To (T) Mazer Acoustic Co- Fwd preliminary estimate despatch or letter urgent- quantities you mention are correct- Give estimated time required for deliveries- 6-3	
310494	5-29	TO S&A	Rqst shipment From Pjila To Liverpool for subchasers - radio compasses-	
	Phila-Material shipped to NY 12;15		To S&A Reqts cancellation of above 1 2-12	

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DIRECTION FINDERS--

Number.	Date.	From or To—	Subject.
298797	4-23	To Phila	Radio Tel-Supply of receiving equipment to complete the lot of 25-30" compasses- Will be informed of delivery dates- W
298798	4-23	To Phila	Radio Tel/ Supply of receivng equipment to complete lot of 25-30" compasses-
	To Phila-- Phone conversation in re to above and shipmentof compasses--4-24		Phone conversation in re to same-- W To Phila-In re above-4-24
	To Inter.Radio Co-in re above--4-25		
298799	4-23	To ~~Phila~~ International	Radio Co-- In re above-- W
299871	4-23	TO S&A	~~Rqst shipment from Wash to Sims radio compass-W~~
301083	4-25	Sims copy 7023 IL 6970	Recommends radio compass on new destroyers be callibrated for error on 600 meters.W
298860	4-24	To NavRadio School N.Y.	Radio shaft will be replaced as soon as possible W
		707-N.Y.	
301587	4-26	Internatl R T Co	Test of sample airplane transmitting sets being built for Signal Corps - requests arrangements for. W

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
298795	4-25	Void To International Radio	Tel.Co- Radio Tel- shipping of compasses Log distanc e phone conversation with Mr Hogan- W-	
301692	4-27	International R T Co	Cannot make shipment of 2 coil transfer switches and control switches for radio compass today - gives reasons why. W ~~To International Radio Tel Co-Fwd~~	
301804	4-26	Internat'l Radio Tel Co	Request drawings covering details radio compass. W. To Int Radio Tel Co-Will fwd drawing--5-1	
302301	4/25 4/29	Phila S&A	Submiss report on shipment of radio compass - W TO S&A- Understaning correct--5-4	

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
296130	4/12	To Prof Robinson	Re progress of instructing men for operation of radio compasses. Re add'l apparatus, more complete training, etc. W College of the City of NY--4/15	
296596	4/12	To Phila	Reqt Expert Aid B allantine be assigned to no other work than development, and work on radio compasses. W	
298072	4-12	Phila	Radio compass - boxing of material for shipment - forwards print and requests that Internatl Radio Tel Co be authorized to pack houses in crates. W To -- Next order of 225 will be shipped by suggested method of boxing 4-24	
298126	4/13	Inspr Allis Chalmers VOID	Asks what routine reports Inspr Machy is supposed to make.SG	
298124	4/12	NY	Radio compass boxing material for shipment copy of letter to International Radio Tel Co.W	
298337	4-16	Decker Co T	Reports receipt of audion amplifiers for compass. Compass too large. Request small portable. W To Decker Madrid (T) No portable instruments available. Offers substitute. W 6/11	
296159	4/11	To Dept via Nav Intell	Fwds prints showing radio compasses. W	876

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
298192	4/17	To Harvard Radio School.	Quotes from letter of Dr. Goldsmith re fitness of men transferred from Harvard to Columbia College, to undergo further training in radio compass operation. W
298934	4/16	GE Co	300 audio frequency amplifiers for radio compasses-reqt action on their quotation of March 28th.W To GE Co- Contract amended to call for 200- GE Co - Submits quotation on am 4-27 plifier. W 4-29
298961	4/16	Phila	Radio compass house-recommends those being mfgd by B.E.Jarvis be shippedPhila -fwds prints.W To BeE.Jarvis--Directs pack compass houses in extra heavy box. 4/20
		GE Co - T - Request wire J J Kline whether or not additional 100 amplifiers are to be duplicates of those already furnished. W 5-3 To J JKline (T)Ignore Tel May 6th Defer Mfcr 100 additional amplifiers redsn NSA50048 until receipt of new drawings will be fwded Friday P (T) 5-7	To J J Kline- GE Co- 100 additional amplifiers are to be duplicates of reqn NSA 548 with modification stated by Was-Yard-5-6
299460	4-18	Internatl Radio Tel Co	Re-inforced strap for radio compass house - error in drawing. W To Phila--Rqst drawings corrected and fwd To Int Radio Tel Co--4-26
298984	4/18	To Phila	Development work on 20" radio compasses. Directs undertake. W
299325	none	Phila	Radio compass-confirms telephone conversation.W
298780	4-23	TO B E Jarvis	desired that you box houses as shown on drawing RL 69F 164A -inform Bu cost of increase--4-23 W B E Jarvis - Submits quotation on new style of crating. W 5/4 To S&A- in re above--5-11
		To B E Jarvis Inc- 5-16	

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[OVER.]

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
294169	4/4	To Inter'l Radio Tele Co	Reqt stencil designation "SE 995" on all boxes containing radio compass coils or houses. W Phila - Copy of letter to Internatl RT Co, relative to name plates. W 4-?	
294170	4/4	To Phila	Shipt of 20" compass coils and houses by Inter'l Radio Tele Co. Submits report of. W	
294168	4/5	To B. F. Jarvis	Contr for radio compass houses awarded. Detailed instrns in connection with. W To Phila--Reqt send inspr to Jarvis works.4/20	
295395	4/2 Boston 8:23	Dept	Radio compasses on destroyers gives procedure to be followed.W To Bost-(JOINT) installation radio compasses on Destroyers- Det info in re to-6-4 4 To NY- Ditto- 6-4-- To Norf- Ditto--6-4	
		To Boston, asks if 2 receivers are the only parts lacking. of equipt. 8/29		
	Boston - 9:5	See CARD ~~XXXXX~~ 36		
295603	4/4	Phila	Radio compass-fwds report of radio elecns C.S.Ballantine on report and recommendations radio compass being mfgd Internatl Radio Co and visit to College of the City of New York.W	
38661/2	4-6	To Washington	Radio Tel Motors for radio compass sets bids fwd return of papers reqrd	706
294945	4/8	To New Lond Base T	Lt. Forbes, Exper Radio Aid Forbes, and Ballentine will visit New Lond to confer re install of radio compasses. W To Phila--(T)Traveling instrns. 4/8	

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DIRECTIONS FINDERS. 919

Number.	Date.	From or To—	Subject.	
296126	4/9	To Phila	Tracings of instrns for use of radio compass receivers. Wash will fwd. W Phila-5/7	
296127	4/9	To Inter'l Radio Tele Co	Re shipt of houses to various points. W Internatl Rad Co 4-11 To Int. Radio Tel Co-shipping dates satisfactory--4-23	
297255	4-9	War Department	Request pamphlets and drawings covering direction finders. W To--Fwds. 4/18 Signal Corps-Acknowledge booklets.W 4-23	
294174	4-6	To Phila (T)	Expert Radio aide Ballentine and Forbes should reach Boston Sunday afternoon----- connection radio compass installation on the LITTLE	79-Q-6
296592	4/11	To Sperry Co	Directs keep accurate record on weekly reports of estimated deliveries, etc., of receivers. W Sperry Company 4-17 To Sperry Co- --5-2	
294174	4/8	To Boston (T)	Please direct Lt. Alex Forbes now installing radio compass on Little New London on rerturn consult with Lt. Comdr Libbey regarding installation compasses on 110 and 200 ft. boats. W.	79-Q-6
292709	4/12	To Wash	Manuf of two add'l SE 712 radio compass receivers. Instrns re manuf to replace instruments on PENNA.W	

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
290766	3/21	To Weston Elec Inst Co	I f receive an order for ammeters from City College of New York, directs expedite delivery of. Won Western Elec Co-- Will have specl instruments ready for shipment in about three weeks.4/1 Weston Co 4-11 Western Elec Inst Co --4/19
290771	3/21	To City College of NY	Submits report of conference between Bu, Prof Robinson and Dr. Goldsmith, re radio compasses. W College of the City of New York-W. 3-23
290772	3/21	To Phila	Manuf of fittings for radio compasses for seaplanes. Directs proceed with work. W
291479	3/25	To Phila	Schedule of delivery of 20" compasses. Fwds chart of. Reqt send weekly report. W To Inter'l Radio Tele Co--Ditto.3/25 To Wash--Ditto.3/25 Internatl Rad Co-3-29 To Inter'l Radio Tele Co--4/4
292051	3/25	Phone NY	Training of men for radio compass operators at City College of New York. Ask when 25 men will be available. W To 5th Dist--Re training of radi compass men.3/29
291702	3/23	To Harvard School	Description booklets for radio compass. Fwds.W

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.	
292056	3/26	To Bost T	For Lt. Forbes no drawings available for compass antenna. W	
292057	3/27	To Dept To Dept--4/11 Dept-states destroyers will be available for calibration of radio compass.W	Recommending that radio compasses on destroyers be calibrated prior to sailing of vessel for for European Waters. W Operations-Directs Little be allowed time to calibrate radio compasses. W (Cross to LITTLE-6) To LITTLE--Directs arrange to carry out calibration.4/1	
292707	3/29 J-M Co 4-20 J-M Co--4/19 J M Co - Request further information.W J-M Co-reqt shipping instrns.4/20 /4-25 To J-M Co-Expedite order 4-23 (T) To -- Ship orders of 525 2ft shafts on Req NSA 1670 to Wash 4-24	To Johns Manville Co	Directs expedite delivery of flexible shafts for radio compasses. Gives reasons why. W J-M Co-Gives dates of shipments.W 4-2 To--Ask if can maintain rate of delivery desired by Bu. 4/10 To--(T)Directs proceed with manuf of flexible shafts. 4/16	
283291	3-28	GE Company	Quotes prices on amplifiers for radio compasses. W	876
294796	3-28	Puget Sound	Reports result obtained from radio direction finders. W	
294171	4/3	To Phila	Details of manuf of radio compass. DTelephone conversation in connection with. W	
294556	3/30	Phila	Copy letter to Internatl Radio Co reqting expedite delivery of hardware for compass houses.	

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V/9

DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
287501	3/9 To C&R - Recommends that chart house on 200 ft patrol boats be modified for radio app 5-9 Fwd C&R 5-17 Fwd Dept 5-20	To Exp Sta R B 6/1	200' patrol boats. Installation of radio compass and telephone in chart house. Fwds drawings with detailed comments on. W N Lond Sub Base-Submits recommendations relative to location of radio house and direction finder on 200' chasers. (Cross to 2-4-6) N	
288175	3-8 Phila - Fwds prints.W 4-12	Phila	Radio compasses - recommends certain changes in hand wheels, supporting boxes, etc. W To Inter' l Sig Co--Fwds copy of above letter with comments.3/14 To Phila--Lists changes recommended.3/14	
3 288032	3/12 To S&A Reqts that shipmt be made from Phila to NY for Mellville - radio compass 5-9 S & A 5:13 W TO S&A- Shipment of radio compasses Same satisfactory--5-18 To CO MELVILLE Asks if rad. apparatus rec'd. 8/1 To MELVILLE- RE error in records 10-29 To Phila re sequence of radio shipts	To S&A	Radio compasses with houses shipt to MELVILLE Brest and Gibralter. Directs ship in equal proportions. W To S&A--Reqt shipt of compasses from Phila to MELVILLE. 3/12 To S&A--Ditto to Brest and Gibralter.3/12 To Sims--3/15 TO S&A-- Non-shipment of 20" radio compasses by Phila--5-6 Phila-Report on shipmt. 9;26 CO MELVILLE - 10:19 Fwd S&A 10/2/19 Reports on status of shipment abroad.	
288861	3/8	Phila 11-21		
34429	3-5	Internat'l Sig. Co.	Acknowledges receipt of letter re method of determining cost of construction of readio compass receivers. W.	629.
288033 288034		See CARD Dupl.31 See CARD Dupl.31		
289145	3/14	To Phila	Delays concerning assembly of radio compasses. Auth Machinery Division to take over assembling.W	
289146	3/14	To Nat'l Elec Sup Co	Will expect company to deliver 5 SE 998 receivers to Wash Yard on Friday, March 15th. W	

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
289945	3-14	Frank G. Stewart	States impossible to submit bid for radio compass coils and houses, due to non-receipt of blanks. W	
299286	3/16	To Wash	Interchange of corres on radio compasses. fwd Bu copy of all corres.3/16 To Inter'l Sig C o--Ditto.3/16 To Phila--3/16	Directs
290183	3/19	To Phila	Reqt for Vandykes of radio compass drawings. W Phila--radio compass-fwds plans.4/5 To Phila--Ask when drawings will be fwded. 4/9 Phila-Drawings were forwarded April 5th.W 4-15	
290763	3/20	To Wash	Reqns for 225 DC motors, 225 high speed flexible shafts and 225 rotary ton condensers, being prepared. W	
291336	3/20	Internatl Radio Tel Co	Reqt ruling on engraving graduated dial.W To--3/25	
290764	3/21	To Inter'l Radio Tele Co	Desirable to ship radio compasses and houses to Phila by auto truck. Directs concentrate on manuf of Henderson engines. W	
290765	3/21	To General Radio Co	Directs expedite delivery of variometers to Dr. Goldsmith at City College NY. W	

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
285070	3/1	To Sims	Instrns for install, calibration and operation of radio compass. Fwds. W	
285320	2/28	Sperry Co	Radio compass receiver - request drawings - W	
285938	3/2	Sims	Request ype of radio compass for 110 & 200 foot sub-chasers - W To Dept--3/8--RB--3/26 To Sims--Radio compasses apprd. 4/8	
286000	3-1	Washington Yard	Copy of letter to Natl Elec Sup Co reporting delivery of the Navy sample Aero-compass receiver to be used by them in the production of similar articles. W Natl Elec Sup Co/3/4	
286195	3-2	European Force	Forwards admiralty publications on radio compasses. W	
285948	2/1 2/27	Naval Attache' London Nav Intell	Sykes-Morris direction finder-request information relative to use of in US Navy.W Fwd Nav Intell--3/7	
286711	3-4 NY-Fwds NY--fwds copy letter March 20 fwding prints.4/10	NY vandykes.W 3-20	R B 5/1 giving method followed at Phila Yd and recommends same procedure for all Yds Radio compass - forwards drawings. W Fwd Phila--3/8 To--Lists drawings for which Vandykes are reqtd.3/9	
284724	2-28	S&A.	Reqt shipt of radio compasses, etc. from Wash to City College. W.	876?

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~~286674~~ 919:DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
286674	3/4	Internatl Sig Co	20 inch radio compass coil reports delivery of first to the College of the City of NY on March 2 gives dates when balance will be shipped.3/4
	Internat'l Sig Co-Reports status of shipments. W 3-11		To--Acknowledges.3/8
			To Phila--Fwds copy of above.3/9
286674	3/4 void	Internatl Signal Co	20 inch radio compass coil-reports
287104	3/7	Sims 4741,3158,3706	Request information on status of shipment of radio compass abroad.
	To S&A--3/15		To--(T)Gives action re shipt of compasses.3/11
			Sims - Copy - 5083 and 3730 - Asks how compasses were shipt. W 3-13
286624	3/7	To Phila	Weekly report on receipt of 20" radio compasses. Instrns in connection with. W
	Phila- Fwds weekly report. 9:21		Phila-4-radio compass weekly report on status of word.4/6
TO CARD 101.	Phila - 9:30		Phila--weekly report.4/15
	Phila-10:26 fwds report.		Phila -- Fwds report week of 5:4 W
	Phila-Weekly report 5:21		
	Ph-Weekly report 6:30		
286625	3/8	To Inter'l Sig Co	Submits revised schedule for delivery of producing coils and houses for 20" radio compasses. W
286626	3/8	To Wash	Manuf of 75 rotary tone condensers. Auth proceed with. W
287258	3/8	To Rost	Infor regted as to serial number of Compass Type SE 74, installed at Cape Cod. W
	Rost-Gives number of compasses at Cape Cod. W 3-13		To Ports--Ditto for SE-74 at Portland.3/8
	Ports-3/14		To Harvard School--Ditto.3/9--RB--3/16
	USS CONNECTICUT-3-20 (3-20)		To CONN M.Is.--Ditto.3/9
	M.Is-Gives serial # of rad comp to Point Argu'd		
287357	3/8	To Nav Intell	Suggested plan of J.H.Hammond Jr for detecting unathorized stations, ~~by~~ install of direction finders on Ford Cars not practicable. W

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
281132	2/12	Phila	20 inch radio compass fwds prints of receiving apparatus. W	
281198	2/13	Sims Copy	No 3900 - recommendations for preference in installation of radio compasses from ocean seacraft to armored cruisers with trip convoys - W	
280526	2/16	Fwd Hydrographer	Prof A. Artom, fwds paper re radiogonometer and triangular directive aerial patents. W	
34429	2-16	To Phila	Instrns re delivery of radio compasses on contr. W	629
282460	2/19	To Triumph Elec Co	Fwds drawings as listed. W	
283317	2/25	To Inter'l Radio Tele Co--4/2 To Inter'l Radio Tele Co--Fwds Vandykes.4/15 To International Rad Tele Co--Fwds drawings listed. 4/3 To Firms Sperry Co--quotes price on radio compass coils.3/26 To S&A--3/28 Internatl Rad Tel Co-Reqt vandykes. W 3-28 Proposal for 225. 20" radio compass coils will soon be fwded. Fwds prints, and reqts prepare bids. W See Card 24 Willey Wray Electric Co - Request additional information. W 2-27 To Willey Wray Co--Gives information.3/5 Internat'l Radio Co - Drawings not recd. W 5-1	
283318	2/21	To Firms	Ditto for Radio compass houses. W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
284126	2-23	Phila	Radio compass-instrns for installing, calibrating and operating-fwds. W	
283570	2/23	To Inter'l Sig Co	Directs send one 20" radio compass coil out of first lot completed to City College of NY, for instrn purposes. W To--3/4	
284385	2/25	GE Co T	Will complete two direction finders mufflers tomorrow - request expert be sent to to Fort Wayne to conduct acceptance test - W To--(T)Ensign Eaton arrives Ft. Wayne Friday.2/26	
284558	2/22	Triumph Elec Co	Radio compass - have taken up manuf of with the Willey-Wray Elec Co - W	
284360	2/26	To A.N.Goldsmith	25 men will report for radio instrns about Mar 4th. Regt pay special attention to matter how compass error is determined. W To 3rd Dist--Makes allott for equipment of Lab at College Point. 3/9	
285102	2-12	Phila	Radio compass material - status of orders.W To Phila--Gives action on.3/2 To Phila--Gives action.3/9 To Phila--Fwds sheet showing status of.3/25	
285403	none	Washington	Submits list of apparatus comprising 20" radio compass outfit. W	

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
274111	1/17	To Wash	Development of control box for radio compass on seaplanes. Instrnc in connection with. W
274115	1/17	To Phila	Radio telegraphy data on 20" radio compasses furnished to Inter'l Sig Co. Wash Yard will supply. W Phila 1-25
275522	1-22	Sims cable 3158	Radio compasses; additional required·W
268098	1-21	Phila CARD 13	W
275164	1/22	To Chief Signal Officer	Radio compass plans. Fwds drawings as listed.W
275799	1-22	C&R	Radio compass house; fwds prints.W
276815	1-25 Phila--4/12	Phila	Theory of radio direction finder applying to new types of radio compass; fwds vandykes.W ~~To Phila--Reqt Vandykes covering.3/26~~
276212	2/2	To Phila	Radio compass for airplanes. Developed at Wash. Reqt make install on H-16 flying boat at Aircraft factory. W Phila--3/2-fwds prints. ~~To Dept via C&R--Fwds prints shewing general layout.3/13~~

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
278794	2/5	To E. J. Simon	Reqt furnish Wireless Improve Co with drawings and specns of the aerofan to be used with airplane transmitter. W
279016	2/5	To S&A	Arrgt for contractor procuring wire from Bost. Reqt make satis arrgts for International Sig Co procuring wire from Bost. W-RB-2/23 Fwd S&A--2/26
267870	2/7	To Insprs	Destroyers. Install of radio apparatus in auxiliary radio room. Install of Radio compass. Instrns in connection with. W
280583	2/11	Sims	Request that new destroyers be equipped with radio compass before sending to European waters.W
280526	2/9	Hydrographic Office	States triangular protective aerial patents have been ~~xxxxxxxx~~ decided as belonging to Prof.Artom.
279767	2/9	To S&A	Shipt of apparatus for assembly of. Re status of such shipts. Directs check shipts. W-RB-3/28 Phila--fwds shipping memo.3/11
279948	2/9	To S&A	Reqt shipt of material for assembly of radio compasses from W ash to Phila. W

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DIRECTION FINDERS.

1918

FILE No.		From or To— (Dated)	Subject.
271926	12-4 1-4	VON STEUBEN Atl Flt	Recommends installation of radio compasses in all vessels of the cruiser and transport forces; disapproved by Fleet.W
	To Sims--2/26		
270654	1/8	To Sims T	15 compasses for Queenstown and 7 compasses for Gibralter will be shipt this month. W Sims #3623 copy asks when delivery or radio compasses for Gibralter may be expected 2-4 Sims. 2-7 #3706 & 2569 relativeto / compasses.W shipment of
	To--(T)Wavemeter for Gibralter shipt Dec 22nd. Will trace.2/5 To B&A--Reqt trace.2/5 Sims #3711 request shipment of a radio compass to replace one delivered to British Naval Authorities. 2/7 W		
272197	1-2	Phila	Confirms telephone conversation relative to shipment of radio compass to Madrid, Spain, via Paris W
272631	1-5	Phila	Radio compass, combined audion detector and amplifier for; request apparatus be secured for use at Radio Laboratory. W Fwd Phila--1/12
272631	1-5	Phila	VOID--See above.
272917	1/11	Internatl Sig Co	T Phila unable to identify deliverery compass receivers on requsition 420.W To--(T)Ask if have given Phila sufficient data.1/12
272533	1/10	To Phila Wash	Development of radio compass of airplanes. Fwds copy of Lt. Loftins report and blueprints. Detailed comments on. W Phila--Asks if sparking in engine ignition system of airplanes will effect radio compass.W Phila - 1-21 - W To Phila--1/26

919: DIRECTION FINDERS.

273416 1/11 Internatl Sig Co Fwds copy of correspondence with Phila Yard rel to yards inability to identify shipment of January 4th.W

To Norf--Fwds Vandykes.4/16

257870 SEE CARD 12

To C&R--Reqt blueprints showing location of radio compass be fwded.3/8

CARD 57

To C&R--Directs provide for enlarging radio rooms.3/18

To Norf--3/23

Norf-reqt VanDykes.3/19

To Yards--Install of radio compasses and auxiliary radio room on destroyers. Instrns in connection with. 1/11

C&R fwds sketch 1-19

C&R - fwds print - W - 1-22

To C&R--Fwds Vandyke of type plan.2/8

C&R - Reports action taken.W 3-5

274174 1/11 S&A States has instructed Paymaster Phila Yard rel to importance of immediately locating compass receivers and inspect packages at the yard.W

To Wireless Imrpove Co--Fwds prints.2/18

To Wash--Outlines work for special short wave radio compass.2/9

274252 1/15 Internatl Sig Co Radio compass material reports on those under manufacture and asks form in which requisition will be submitted.W

Internatl Sig Co-W-1-24

To Phila--1/28

Phila- fwds print of compass 2/2 -W

Phila 2/2 fwds print - W

To Phila--Acknowledges.2/6

Co 2-5

To Quotes general specns.1/17

Co submits detailed report; request prints 1-18

68 1-21

68 1-23

Phila--fwds prints.2/15

274624 1/16 Comm Request recommendations concerning commercial radio stations and location of direction finding stations in connection with bill giving control of commercial radio stations to the Navy.(Cross to 914)

To Nav Com--Rec be placed at minimumof 10 life saving stations. 2/1

DIRECTION FINDERS.

1917

Number.	Date.	From or To—	Subject.
269515	12-21	Wash	Modified radio compass; fwds prints W
269499	12/21	Internatl Sig Co	6 ft coils and batteries for radio compass-states not yet received print.W To--12/28 To Phila--Directs fwd patterns to company.12/28
269627	12/21	Washn	Radio compass receiver-fwds print.W
268631	12/22	To Phila	Reqt information re assignment of radio compasses. W--RB-2/26
269825	12/26	Internatl Sig Co	Formal order covering second lead of 16 radio compass receivers. To--Reqt submit est.1/3
269816	12/10 12/10	Lieut E.H.Loftin Sims	Reports on witnessing test of direction finder used in the Royal Naval Air Service-recommends each seaplane furnished from US be equipped with finder oftype described.W
269399	12/28	To Bost	Effect of arc transmitter on compass. Directs carry on test of. W To Phila--Directs prepare rough specns for radio compasses. 12/29 Bost 1-5 Phila 1-9
269891	12/29	To S&A 920	Reqt shipt of apparatus from Phila to France for shipt to Madrid. W
270104	12/29	To Nat'l Elec Sig Co	Reqn numbers for radio compasses under manuf on cost basis. Reqn number is 420. W Internatl Sig Co--1/2.W To--1/5

Internatl Signal Co 1-10
To Intern'l Sig Co--1/16

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N.S.E. Form 134.

DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
270467	12-29	Sims copy	Asks approximate date of shipment of radio compass.S
270928	12/31	Internatl Sig Co	Hardware for compass housing which differ from specifications-confirms tele conversation.W To--1/3
270739	12/1	USS CHESTER 6	Request authority to dismantle Kolster radio compass.W Fwd Patrol force.1/10 RB 4-16 European Forces-Redt dismantlement of Kolster radio compass.W 3-1
271107	1/3	International Signal Co T	States first compass receiver expressed Jan 28th - will deliver one per day until 14 delivered - W
271171	12-26	Phila	Radio compass; modification in; fwds 90 drawings W To--Instrns re modification.1/19 Phila - fwds print - 1/31 - W
271095	1/4	To Phila T	International Sig Co is contractor for radio compass houses. W To Phila--1/4 Phila 1-13 Fwd S&A--1/18 B B 1/25 Fwd Phila--1/28
271418	1/5	To Phila	Lists receivers, and reqts information re wave lengths of. W Phila 1-18

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
260755	11/17	To S&A	Reqt shipt of radio compasses from Phila to MELVILLE. W
To	Sims—(T)1/29		To S&A—Reqt shipt of houses for radio compasses from Phila to MELVILLE.1/8
	1-26	Sims Copy #3327	To Sims—Gives action taken.1/8 Asks relative to prep compasses to be shipped W.
260756	11/17	To S&A	Reqt shipt of radio compasses from Phila to Gibralter. W
262228	11/6	Sims	Radio compass lists vessels on which first six are to be installed and list showing order in which additional equipment are required.W
To	—(T)1/29		
	1-26	Sims. Copy #3319	Requests status of shipment of small radio compass.
262625	11/23	To Phila	Directs furnish Nat'l Elec Sig Co with drawings of coils, etc., for radio compasses. W RB 1-30
			To Wash—Directs furnish company with certain drawings.11/23
			To Nat'l Elec Sig Co—Directs proceed with manuf of radio compasses. 11/23
263704	11-26	Natl Elec Signalling Co	14 radio compasses; asks where should be delivered.W
			To—Directs fwd without inspection.11/30
263528	11/27	To Phila	Assembly and point of delivery of radio compass material. Phila will be such a point. W

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.	
264959	11-30	Phila	Radio compass; ~~for~~ recommends installation ~~of at each yard for instruction of~~ Naval personnel. W	
265188	11/26	Phila	Fwds report on radio ~~exxxxxxpert~~ E.D. Forbes on trip to the PENNSYLVANIA in connection with test of radio apparatus. W	
264954	12/5	To Phila	Radio compass. Instrns of navy personnel in use of. Will assign to yards as soon as available. W	
265948	12-6	Phila	Radio compass; reports on development of new type. W	
268051	12/17	International Sig Co	States will furnish best grade of ~~oil~~ yellow pine in place of yellow pine specified in connection with radio compass house. W To—Comments on. 12/21	
268098	12-14 To Bost—Quotes suggestion made by Phila. 1/21	Dist Com Supt Bost	Portable direction finder; reports data for manufacturing. W To Phila—Ask if any standard finders available. 12/27	CARD 16
268619	12-17 Phila—W. 9.23 To Phila—	Arlington Prepares complete plan In re above 10-14	Request direction finder be installed in SW&N building. W Fwd. Nav Com—12/26 RB 12-29 To Phila., Reqtd. that arrangemts. be commented upon. 9/12	
269133	12-23	Sims copy	Request radio compass for Madrid be made to receive continuous wave up to 4,000 meters. W Sims (copy) corrected 12-23	

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
255814	10/20	Sims copy	Undirectional radio compass; request plan be expedited.W To—Fwds prints.10/23 Sims - Copy - No 3620 - drawings not yet recd - 2/4 - W To Sims—Fwds prints as listed with comments.3/20
256364	10/21	4th Nav Dist	Radio direction finder; reports on test of.W To Phila—Reqt comment and rec.10/25 Phila 1-10
256283	10/23	To Atl Flt	Installation of radio compass. Being shipt to PENNA for test. Radio Aid Forbes will install.W To States how men will visit ship for test.11/15 Phila fwds report of trip of expert radio aide 12-26 U SS Pennsylvania - (Radio) new radio set compass ready for test - W
257492	10/29	ARIZONA	Marconi direction finder; submits report on.W To NY & Marconi Co—Directs remove from vessel has been rejected.11/3
	To NY-	referredto Dept 2-5	
	C&R -	copy of instrns relative	to housing 1/24 W
257870	10/2	Phila fwd C&R 3-1	Radio compass house; fwds type plans.W
	10/31	C&R	Fwd C&R—11/9 CARD 15 To C&R—Reqt comment with appvl of plans.11/13
Fwd C&R—Submits summary for need for changes in room size, etc., for each destroyer. 1/12			RB-approved by Department.12/6. C&R - Fwds prints 2-13
258251	10/26	Phila	Fwds form manufactured by the Lefax Co and sold to general public, relating to radio compass and radio telegraphy, certain parts of which the Bureau has directed be kept secret, especially radio compass.W
European Force-French authorities will investigate report.2/28			
Norf--3/19			Fwd Nav Intell—11/6 To Lefax Co—Directs print nothing in connection with.11/19 Lefax Inc will eliminate all reference to radio compass 11/22

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
258818	11/5	Sims cable-copy	Recommends radio compassed be installed on certain destroyers and patrol boats; also 12 complete sets shipped to Brest for spares W
259081	11/7	Sims T	Radio compasses for destroyers-reqt 21 in addition to those previosuly reqtd be shipped Queenstown.W
260411	11/13	To Phila	25 radio compasses now under construction. Comments on and reqts be completed as soon as possible. W Phila 11/23 Phila 11-30 To European Force--Apparatus fwded without complete antenna. 12/5
260412	11/13	To Dept 789-1	Radio compass for destroyers in European waters. Reqt install of unidirectional radio compass be apprvd. W --RB--12/1 To European Force--(T)Install compass apprvd.12/5
260812	11/12	Phila	Fwds prints recommendations relative to application of the Sperry Gyro Compass and Target bearing indicator to radio compass.W To--Plan not practicable, with reasons.11/27
260612	11/14	To Wash	Directs manuf 14 control switches for radio compasses. W
261897	11/19	Natl Elec Signalling Co	Request print showing size of radio compass house in connection with special order receivers and houses.W

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.	
218071		CARD 8	Wash submits report on radio compass of F.S. McCullough.W To F.S. McCullough--Fwds copy of report.8/7	
243188	8/8	Phila	Radio direction finder; fwds scheme and sketch submitted by Lt Thomas Appleby, Res Force.W To Phila--Submits letter received from Mr. Appleby. 8/14 To Lt. Appleby via Phila--8/14	
243737	8/11	Phila	Marconi radio compass, contract 26141; fwds report on acceptance test of.W Fwd S&A--9/20 RB 9/27	
246272	8/27	Phila	Radio compass; fwds prints.W To--Appys general design, with comments.9/18 Phila will forward drawings by Oct 24 10/14 Phila 11-28 To Phila--Ask status of radio compass drawings.12/27	
246665	8/30	To Nav Com	British Admiralty reqt information on radio compass. Submits bried description of. W	
246697	8/29	To Atl Flt	New design of radio compass. Re infor reqted in connection with by British Admiralty. W	
247626	8/13	Marconi Co London Office.	Fwds description of their latest type direction finder installations for shore station and on shipboard.	[redacted]

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N.S.E. Form 134.

DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
248281	9/1	Phila	Confirms telephone call relative to radio compass work at yard.W
249798	9/18	Marconi Co	Marconi direction finders; states unable to use commercial work but if government cannot use them request be returned.W To S&A—Reqt shipt of radio compass from Phila to Marconi Co. 9/20
250103	9/18	Phila	Radio compass being manufactured for installation for experimental test on the PENNA; confirms telephone conversation.W 6
250166	9/20	To Phila	Directs expedite manuf of new design radio compass. W Phila 10/1
251625	9/26	Phila	Radio compass-reports on status of development of new type.W To S&A—Loss of special radio apparatus shipt from Wash to Phila. Directs endeavor to locate. 10/1 RB 10/10 Nav Intel reports apparatus found at Phila Yd 10/9 Fwd S&A—10/11
251730	9/28	To Aero Sta	Development of radio compass for radio air craft. Directs take up with Pensa at earliest convenience. W Pensacola--states will take 2 or 3 months to complete test.11/8.
254609	10/11	Radio Test Shop	Confirmation of ~~Radi~~ telephone conversation with Western Elec Co, relative to development of amplifier for radio compass.W

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
233827	6-14	Dept Commerce personal	Fwds letter from F.A. Kolster rel to report covering results of Board meeting to consider use of radio for navigational purposes.W
235815	6/27	De Forest Co	Reports radiophore or automatic telephone ship warning device for lighthouses completed and tested; states developed at request of Navy Departmant and request orders for or permission to submit bill for expense.W De Forest Co request orders for set sold too Bureau 9/5
225581	6/22	To Phila	Changes in type SE-74 Radio compass. Reqt construction of two large coil sets be expedited. W
236620	7-2	F. H. Kroger	Encloses copy of abstract of his work in connection with radio compass.W
	To Sims--1/19		
	To Sims--(T)Re shipt of compasses.1/9		To Sims--(T)Compass on board HENDERSON. 1/19
238002	7/9	Nav Intel	Quotes letter of Naval Attache, Madrid, requesting that a direction finder be forwarded in connection with locating suspected enemy radio stations in Spain.W
	~~12/15x~~ Nav Intel-notice from Sims reqting date of shipment. 12/15.		To--7/13 Nav Intel quotes from Sims, requesting information as to status 1 0/13
	Nav Intel quotation from telegram received from Sims 12-24		To Nav Intell--Will posssibly ship middle of November.10/19
	To S&A--Reqt shipt of radio compass from Phila to France for Attache Spain.12/21		Nav Intel fwds copy of cable from Sims requesting shipment to Paris 11/9
	To Phila--Instrns.12/21		To Nav Intell--11/12
	To Nav Intell--12/21		
	To S&A--Reqt order of 12/21 be amended.1/4		Phila - 1-20 - W

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
237813	7/11	To S&A	Reqt shipt of Belini Tosi radio compass from Bost To Wash for Dispo. W
238455	7/12	Geo. H. Clark	Radio compass; suggested improvements using multiple turning receiving coil.W To Phila--Fwds copy of above. 8/17 Phila 8/17 Phila 9/12 Phila 10/19
238722	7/12 Fwd Dept--8/30 Fwd Dept--9/19	Atl Flt RB 9/18	Fwds copy of letter from British Naval Officers Commander, requesting radio officer be given information concerning radio compass and short range sets.W Orig via Dept 7/18 To--8/15 To NY--A ssigns radio set at NY to VIXEN. 8/15
231977	SEE CARD 9 To Wash--8/14 To S&A--Reqt shipt reqt of 7/17 be cancelled.11/8		To S&A--Reqt shipt of radio compass from Phila to NY. 7/17 Wash request modification of Bureau's letter of July 17th 8/8
240160	7-23	NY	Reports on study of radiaiton and oscillating receivers and racommends furhher experiments in connection with using for detecting receiving stations and locating by direction finder 898
240561	7/23	Atl Flt	Fwds report from COLUMBIA and CHESTER on dependability of radio compass.W To CHESTER via Atl Flt--8/4 CHESTER 8/26

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DIRECTION FINDERS.

Number.	Date.	From or To—	Subject.
222381	4/14	To Yards Ships	Instrns to ships re changes in Type SE 74 Radio compass. W WYOMING radio compass is fitted with permanent direct drive 4/17
223111	4-13	Phila	Radio compass; type plans; fwds. W
225533	4/25	Atl. Destroyer Force	Requests authority to turn in Bellini-Tosi direction finder. W To S&A--Reqt shipt of radio compass from BIRMINGHAM to Wash for disposition. 5/3 BIRMINGHAM states Bellini Tosi radio compass removed with flag 5/26
225578	4/30	To Nav Intell	Reqt description of radio direction finder, British Naval Vessels. W Nav Intel fwds copy of report from Naval Attache, London 6/27
226461	5/4	NY	Fwds print showing distance and direction of US Radio Stations from New York yard W
193559	SEE CARD 2		Fwd S&A--5/7
228427	5/15	To Atl Flt	Reqt recommendations as to ship new type of radio compass should be installed on for test purposes. W Atl Flt designates CONNECTICUT 5/17 To Phila--Reqt F.H. Kroger be ordered to conduct test. 6/5 To CONNECTICUT via Atl Flt--6/6

To S&A--Reqt shipt of radio compass from SEATTLE to Wash for dispo. 6/15

To Phila--(T) Reqt Kreger be ordered CONN via Buseng. 6/11

To CONN--(T) Expert Aid Kroger arrives Sunday morning. 6/16

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DIRECTION FINDERS. 919

Number.	Date.	From or To—	Subject.
224017	5/17	Nav Intel	Returns papers·W
229374	5-19	Phila	Inpossible to install radio direction finder instrument on SALEM; rec test to be substituted for test on SALEM.W To--Comments on.5/25
230545	5/26	Phila	Radio compass; fwds prints.W
230486	5-23	Dr. L. W. Austin	Reportson possibility of using Braun-Kolster direction finder so that the indicated direction shall be single value.W Fwd Phila--6/1 RB 7/14
230801	5/28	To Phila	Installation of radio compass on submarines. Comments on. W Phila recommends no further steps until radio compass for battleships, etc has been completed 6/25
231068	5/26	Phila	Fwds report on conference on typ of receivers to be used on radio compass.W
231977	6/2 To Wash--long wave To--7/16	NY Instructions re fitting receiver at yard.7/15	Require radio receiving set for listening-in station to be established NY City; fwds quotation from Adams, Morgan Co.W Fwd Nav Com--6/7 RB 7-10 CARD 10 To Nav Com--Reqt reply.7/3
231636	6/2	To Sperry Co	Aeroplane compass repeater. Have refered to Navgn with reqt be made standard. W To Navgn--6/4 Navgn 7/2

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(over)

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.
216962	3-6	Phila	Radio compass; development and manufacture of; submits recommendations relative to developing for airplanes at station, etc. Full report will be submitted Apr 1. W
217814	3-3	At Flt	Radio compass; copy of instructions relative to calibrating. W
	To Wash—7/21		
218071	3-13 3-14	FS McCullough CARD 11 Director	Apparatus for receiving and sending radio messages in one direction. To--Reqt details of. 3/17 Mc Cullough fwds sketch 3/21 To--Comments re test of at Wash. 3/26 McCullough submits further data: asks if could use on submarine chasers 3/28
	To--Reqts demonstrate apparatus at Wash Yard. 4/4		
	McCullough will demonstrate 14th 7/3		
	To--Will witness. 7/9		
	McCullough 7/18		
218257	3-6	At Flt	Radio compass; submits recommendations for improvements in. W To Phila--Lists rec as above, and reqts comment. 3/19
	Phila submits ~~list~~ report on proposed modifications 4/10		
	To Phila--Appvs recommendations. 4/13		
218394	3/13	J. A. Kolster	Reports on experience with Fleet; states troubles due to poor mechanical construction. W
219853	3-14	WYOMING	Radio compass; reports on experience with; believes will always be accurate within one degree; reports on calibration of. W. To via Atl Flt--Acknowledges. 4/2
219854	3-13	UTAH	Reports damate done to radio compass at day individual practice; recommends roof of compass be made stronger, and coils be lowered 5". W Fwd C&R--4/2 RB 4-6

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DIRECTION FINDER: 919

Number.	Date.	From or To—	Subject.
220265	3-24	Telephone Phila	Construction 50 additional radio direction finders
221102	4-3	Phila Personal	Confirm order received thru Mr Forbes for manuf 24 radio compasses. W
221519	4-4 4-5	Kolster, FA SS A	Request additionao payment $ 5,000.K Fwd Dept--4/16
221486	4/7	To C&R--New type	New type of radio compass will need less space. Reqt type plan of radio compass enclosure. W C&R copy of instructions to Phila 4/13
221705	2-27 4-5	At Flt Dept	Submits report on radio direction finder work enroute to Cuba.W.
phone	4/4	Phila	Phila directed proceed manuf 25 radio compass sets.
222380	4/14	To Phila	Radio compass installations. Gives procedure to follow in installations, and modifying present installations. W Phila report on progress of work on radio compass 5/12 Phila asks whether 25 or 30 sets to be manfd 5/16 To--25 sets to be manufd.5/22

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DIRECTION FINDERS.

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Number.	Date.	From or To	Subject.	
	To C&R--Reqt return of corres.3/30			
212904	1-16 1-23	ARIZONA NY	Faults in proposed plan.W Fwd NY via C&R--For report and rec of changes to be made. 2/1 RB 2-24 To NY--Action withheld. 2/23 C&R ARIZONA satis 2/19	
67 212976	1-30	Phila	Radio compass; manufacturers name plate; fwds plan.W Fwd C&R--2/27 RB 4-2 Fwd S&A--2/28 RB 4-19 S&A fwds corres; original corres not retd 3-30	
	Fwd Guantanamo.--4/3 RB 5-8 Fwd S&A--5/10			
211301	1/15	Ports	Boston reports disposition of Kolster meters at yard	138-6
213477	1-27	CONNECTICUT	Kelster meter; reports on apparatus under test for year; recommends changes in to lighten coil construction; make detector more sensitive. W	
209327	12-21	To Dept vi Nav Com	Reqt authorization of fitting light houses with radio warning signals to be used in case of heavy fogs when lights cannot be seen.	678
213313	2/2	NY	States have received report that code signals of varying intensity have been observed and that their use nullifies present direction finders; suggests apparatus be developed for changing amplitude of antenna current	9 05
214107	2-5 2-9	Moilloux, CO Navgn	Calls attention to a Bellini type electrostatic Radio Goniometer(Direction Finder) Is not same instrument being marketed by Marconi Co. W To--Reqt complete set of drawings and plans.2/12 Moilloux suggests cable to Naval Attache, Paris, for additional information 2/13 To Nav Intell--Fwds corres and reqt complete infor be furnished. 2/20 Nav Intel have received no reply from Nav Attache, Paris 3/22	

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DIRECTIONS FINDERS. 919

Number.	Date.	From or To—	Subject.
214531	2/14	To Aero Sta	Mr. F. A. Kolster to visit Pensa in connection with Radio Compass. Directs co-operate with. W To New Orl via Comdt--Directs be in Pensa at time of Mr. Kolster's visit. 2/14 To Atl Flt--Directs make accomdations for Mr. Kolster on board ARKANSAS. 2/14 To Dept--Reqt transportation be arrgd. 2/15 To F.A.Kolster--Fwds letter of identification. 2/17
215460	2-21	TO Sub Force To Dept--Ask departments wishes in connection with. 3/16 RB 3-21 Fwd C&R--3/23 RB 3-28	Radio compass installations for subs; request comment on installing W Atl Sub Flo recommends against installation on account of limited space; recommends that bearings be transmitted to submarines from tenders and submarine bases in lieu of 2/28
215967	2-9	Guantanamo	Kolster meter; reports recept of apparatus consisting of 2 coils only. W
216080	2/27	To Yards & Stations	Installation of radio compasses at Radio Stations. Reqt work be expedited as much as possible. W Bost submits estimate for Cape Cod 3/3 Guantanamo (R) request allotment to cover for Guantanamo Station 3/7 NY 3/6 To Guantanamo--(T) Install radio compass auth. 3/9 ~~To Bost--Install at Cape Cod auth. 3/9~~ RB Ports 3-12 Fwd Ports--3/13 RB 3-17 Guantanamo reports status 3/5 Fwd Phila--3/19 RB 3-28

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DIRECTION FINDERS 1922 93

Number.	Date.	From or To—	Subject.
654515	12/20	Dept	Rqsts comments on practicability of conducting Compass Station with Naval proceedure W Memo for Operns- gives action 1/8/23
635280	FWD FROM CARD 87		Phila. 3/3 Asks type to be shipped W Fwds Phila 3/14/23

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
648508	10/28	Pacific Fleet Circular	Gives limiting sections of calibrated arcs radio compasses in 11 and 12 Districts. W
648569	10/16	Pacific Fleet Circular	Use of shore radio compass station, instruction covering W
649848	11/16	Y&D	Copy letter N&D requesting suggestions rel to changing standard design for Radio compass Stations to include modifications neccy W M.I. 12/12 Submits recommendations covering alterations W Y&D 12/22 Sumbits recommendations from Yard. W Yds. & Docks 1/5/23 To Yds & Docks - gives action taken 4/7/23
649886	11/17	Norf T	Calibration of compass station- 5 Dist. satisfactorily completed W

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
653115	12/11	Dept	Copy of letter to CO HANNIBAL stating vessel will be used calibration compass stations at Atlantic Coast W	
653119	12/6	12th District	Fwds radio compass report for Nov. W	
653214	12/12	Dept	Fwds table of calibration sectors as to present and as suggested W	
653571	12/13	Phila	Fwds calibration curves and report on calibration of compass stations in 4th District W	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
646425	10/19	NY	Radio compass stations on Atl Coast directs destroyers detailed in certain ports for Navy day be used to calibrate compass stations W
646901	10/26	Boston T	W Boston 10/26 Copy W To 5 Dist (T) Expedite calibration radio compass stations 10/25 (T) To 3 Dist- expedite calibration 10/25 (T(To 4th Dist Expedite calibration 10/25 (T) To 1st Dist Expedite calibration 10/25 To Norf (T) Expedite calibration 10/25 New York 10/27 Childs can be used for caligration W To C-I-C Atl. Fleet- Gives Action taken 10/28 To C-I-C Atl. Fleet (T) Compass calibration Satisfy 10/26 To 1st Dist (T) appvd 10/27 Fwds Operns 11/2 To 1st. Dist.- appvd 10/27
647367	10/27	Y&D	Returns saving allotment covering inprovements for Radio Compass Station W
647417	10/27	Dept	Copy T to Atl Fleet stating 1District will not require calibration duties W

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DIRECTION FINDERS

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Number.	Date.	From or To—	Subject.
647601	10/26	PCCS	Submits information rel to limiting sectors to calibrate areas at 11th and 12th Dists. W.
645060	11/2	To Aug Snd	13 Dist.- comments on cal ibration- W PS 11/16 Arrangement of Sight Cape Hinchenbrock and Soap Sonne Stations. Fwds prints W
648173	11/3	3d Dist. Copy	Calibration of Manasquan and Sandy Hook completed- Fire Island delayed. W.
648344	10/27	Mare Isl.	Copy of letter to Pacf. Destry giving instructions covering calibration of compass stations in 11th and 12th Dists. W.

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Number.	Date.	From or To—	Subject.	
644538	10/6	Hydrographic Office	Copy of letter to Coummincations requesting advance information rel to prospective changes in radio compass stations. W.	
645125	10/11	Y&D	Copy of letter to 15th Dist. fwding prints rel to Atlantic and Pacific entrance to Canal Zone. W.	
645114	10/7	POCS	Gives calibrated areas of radio compass stations in 13th Dist. W.	
645196	10/11	Hydrogaphic Office	Reliability of radio compass stations limited by calibrated arc - gives list of stations. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
644697	10/12	To Chf Nav Opern	Quarterly calibration of Radio Compass Stations, Atlantic Coast. W
645930	10/17	N.Y.	Payment to N.Y. Telephone Co. for telephone service, for compass stations at Sandy Hook, Mantoloking and Amagansett. W. To NY- appvd 10/30
646505	10/21	Opernns	Copy letter to Pacific Fleet rel to efficiency of Radio Compass Station W
646369	10/21	9th Dist	Calibration of compass station-fwds report W

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
641197	9/12	N.Y.	Recommendations rel to spare receivers for compass stations. W. To NY- rel spare receivers for 9/23	
641550	9/14	Phila.	Fwds special radio reports covering operation of compass stations in 4th Dist. W.	
627331	from card 85		Fwds ds " Docks- Rel disposal of building 9/15 W -	

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IRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
641585	9/11	Dept	Copy of letter to Pacf. leet approving recommendations ~~concerning RC stations~~ on Pacf. Coast. W
642622	9/19	Mare Isl.	Request assignment of suitable vessel for calibration of compass stations in 11th and 12th Dists. W. ~~To Oprns- calibration of vessel- cc MI 10/10~~ Dept- Copy action to Pacf. Fleet. 10/13 W
643572	9/30	Y&D	Copy of letter to Pug Sd stating approved credit cards will be fwd covg over expenditure on work at radio compass stations in Alaska W
643951	10/3	Norf.	Copy of letter to 5th Dist. stations rel to discrepancies of DM wire and necessary delay in correspondence. W.

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
638327	8/18	Norfolk T	Communication line, Va Beach, Pointers Hill shot away by target practice W	
639341	8/24	3d Dist.	Comments on radio compass report on bearings recd by WYOMING. W.	
640294	8/29	CO BROOKS	Fwds reports on radio compass bearings obtained for shore stations. W.	
640338	9/5	Norf. (T) n	Virginia Beach, Poyners Hill, Cape Hatteras Cape Lookout, land lines out, due to electric storms. W.	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
640333	9/1	CO SWALLOW Copy	Completed calibration Hintchnibrook Comp station. W. CO SWALLOW- Copy- arrives at Sitka. 9/3	W
640559	8/30	CO SHAWMUTT	Radio compass test- fwds hydrographic office chart showing track and fixes Cape Cod to Newport. W. Fwds Dir Comms 9/21 RB 9/26 W.	
640636	9/7	Hydrographic Off. Commendation	Fwds commendatory letter from CO SALMO rel to bearings obtained from compass stations at Cape Elizabeth and Bar Harbor. W.	
640665	9/7	3d Dist.	Fwds radio compass report for month of August. W.	

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Number.	Date.	From or To—	Subject.	
634077	7/21	Dept	Copy of letter to Pacf Fleet directing detail destroyer for use in calibration of compass stations in 13th Dist. W.	
634309	7/17	Pug.Sd.	Request action be taken rel to placing Ft/ Stevens and Ocean Park compass station on permanent bases to function as individual units. W.	
635280	7/28	Dept	Authorizes work in connwith erection of 2 radio compass stations in Panama Canal Zone. W.	W
FWD TO CARD 93			To 15 Dist via ds & Docks- gives action taken 10/10	
			To S&A Reqst shipment of equipment from Wash n to SO Balboa 2221 2/20/23 RB 7/27 W	
			To S&A Reqst shipment of Coil from Phila to Balboa 2225 2/20/23 RB 5/8 W	
635336	7/27	Dept	Copy of telephone conversation with Hon. Briggs rel to status of construction of a radio compass station at Galveston.	W.
			Dept. Confirms telephone conversation with Hon. Briggs. 7/27 W	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
636011	7/31	New Orln .	Request travel orders be issued to Gunner J.M.Kirkpatrick for purpose of making quarterly inspection report of radio stations in 8th Dist. PW. Fwds Navign 8/8	
636207	8/9	To Western Elec Co	Ask what Company would consider undertaking the development of system for distant control of radio compass stations W Western Elec.Co. Will cooperate with Bureau. 8/25 - W. To Western Elec Co- Submits details re equipment 9/23	
637625	8/10	Battleship Force-	Subm reports on bearings obtained by shore radio compass station. W. 919	
637724	8/10	Pug Snd	Fwds photographic prints of Alaska radio and compass stations. W	845

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
630173	6/27	Y&D	Copy of instructions to Norf. rel to award of contract for development on compass stations in 5th Dist. Engineering is allowed $1577. W.	
630294	6/27	Communications	Ocean Park Comp Sta. opened -other stations delayed on account of lack of personnel. W	
630369	6/28	Y&D	Copy of telegram to N.Y. directing contracts be awarded for storm sash and storm entrance omitting heating system. W.	
630434	7/3	To Dir Nav Communications	Calibration of Radio Compass Stations, 11 and 12 Nav Dists. W To Pac Coast Comm Supt- 7/3 W RB 7/12. W RB 7/26 W To Pac Fleet- Fwds special report 7/3 W PCCS 7/20 Fwds corres rel to unsatisfactory condition of compass stations W Pacf. Fleet Comments on. 7/24 W To MI- Reqsts estimates 8/4 Fwds Navign via Dir Commns 8/10 RB 8/18/22. W	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
631056	5/30	3d Dist.	Fwds copy of address by Lt. Cmdr. D.C. Patterson on radio compass stations. W.
632403	7/12	N.Y.	Fwds copy of letter from E. Levick requesting auth to take photos of Sandy Hook compass station for publication. W. Fwds NY 7/17
632700	7/13	8th Dist. Copy	Request auth to use ORION to calibrate PORT EDES station. W.
633779	7/19	Y&D	Copy of letter to N.Y. in conn with work being done under allotment 2601-34 compass stations in 3d Dist. W.
633855	5/17 7/19	Pacf. Fleet Communications	RC stations for Pacf. Coast- recommendations concerning. W. Fwds Navign 8/4 cc Dir comm RB 8/15/22. W Fwds Nav Operns 9/5 W Hydrographic Off- Request action. 11/2 W To Navign- corres not in bu 11/9

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[OVER.]

DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
627331	5/23 6/6	13th Dist. Communications	Juan de Fuca RC group - Subm recommendations and comments rel to improving efficiency. W. Fwds Operns 6/22 RB 6/28 W. To Comdt Seattle T Close and abandon Radio Compass Sta Port Angeles as recomd your letter 23 May Submit recomds for disposition of buildings. W Fwds Nav Communications 7/1 W To Pug Sound- R'sts matl be removed from station:7/1 W Pug.Sd. (T) Recommendations cov disposition of buildings 7/5 W Pug. Sd. (T) Request decision regarding disposition of buildings. 7/26 W	
		card 89		
628357	6/15	Y&D	To Pug Sd via Y&D-Disposal W of 8/15 W RB 9/1/22 W Copy of endorsement to S&A requesting Ptg Sd be authorized to make award covg pruchase of matl for Alaska Radio & compass stations W	
628614	6/13	Pac Fleet	Copy of endorsement to Des Sqn directing ship not keep read & plot compass bearings when given to but one vessel W	
629127	6/21	Y&D	Request recommendations covg awards on improvement at compass stations Hog Island, Cape Hatteras, Cape Lookout & Pointers Hill WK	

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Number.	Date.	From or To—	Subject.
629352	6/22	Y&D	Ask if Bureau will auth additional allotment covg improvement s to compass stations in 13th Dist W
629756	6/24	9th Dist.	Compass stations, White Fish Point and Detour Point, Grand Marais, will be placed in commission 7/3 W.
629591	6/21	Charleston	Reports on recalibration & checking of radio compass sta in 6th Nav Dist W To Comdt Charleston-Comments on calibration 10/14 W
629127	6/24	To Yds & Docks	Radio compass Stations- authd improvements at- W K
629924	6/26	Y&D	Copy of allotment to Pug'd for radio compass work. W.

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[OVER.]

Number.	Date.	From or To—	Subject.
623237	5/12	Y&D	Copy of letter to Norf. stating approved allotment card will be fwded coy improvements to compass stations in 5th Dist. W.
622058	5/12	To Hon Clay Stone Briggs (Asst Sec Sig)	establishment of a Radio compass Station at Galveston inform rel W
622823	5/17	To CO MARYLAND	Report of Bearings, Radio Compass Stations- cc Dir Commns W. To Comdts NY- Phila Norf- Gives Action taken cc Dir Commns W N.Y.- Only one set of bearings obtained by MARYLAND. 5/22 W.
623040	5/17	To MI- Union	Radio compass- Unsatisfactory condition of stations in the 11 and 12 naval districts cc dir commns W S To MI- gives instrns cc Pac Fleet- pac Coast Comm Supt- Dir Comm 8/3 Mare Isl- report on test of compass beacon ~~ins-~~ installed on Frisco light vessel. 8/30 W To MI- Reqsts Inform 10/4 M.I. 10/17 Gives comments on test of beacons W

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
625828	5/22	MI	Calibration of compass stations in 11th and 12th Dists. W.	
625445	5/24	Great Lakes	Copy of letter to Communications re installation of Model T-D radio telephone transmittor for calibration of radio compass Stations W	854
626511	6/3	Y&D	Copy of letter to Norf. stating approved credit card will be fwded cov savings under allotment, cov improvements to compass stations in 5th Dist. W.	
626766	6/2	New Orln.	Inspection of work at Compass stations at mouth of Mississippi. W.	

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83-dup

DIRECTION FINDERS (dup for last card)

Number.	Date.	From or To—	Subject.
618747	4/15	Y&D	Copy of letter to Norf. stating instln of rubber hose in heating mains at compass stations will be eliminated. W.
615017	FROM CARD	81	Pug. Sd. -Fwds vandykes. 4/11 W. To Hon Sec of Treas (Act Sec Sig)- Fwds print 5/15
619385	4/19	Y&D	Copy of endorsement to S&A requesting Norf requisition 33 covering tanks and pumps for compass stations be cancelled. W.

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
620976	4/27	N.Y.	Location of compass station at Manasquan, N.J. ~~rel to interference by~~ Beacons under Dept of Commerce. W
621699	5/3	9th Dist. Copy	Chaser 419- left Waukeegan for calibration duty. W.
621927	5/5	Norf. (T)	Calibration of check cruise of all compass stations 5th Dist completed. W.
622823	5/9	CO MARYLAND	Subm report on compass bearings obtained. W.
623133	5/12	Norf.	Subm list of additional work at compass stations in 5th Dist with estimates. W. To Norf— authd cc Yds & Docks 5/20 W. Y&D- Copy action to Norf. 6/1 W.

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DIRECTION FINDERS STATIONS 1922

Number.	Date.	From or To—	Subject.
615828	3/28	Dept	Fwds copy of letter to Hon. F. D. Scott rel to commissioning of White Fish Point, Detour Point and Grand Marais compass stations. W.
OVER			9th Dist- (T) Gives dats compass stations listed will be readu for calibration. 3/31 W To 9 Dist (T) Reqst estimate 3/30 To Great Lakes- Asks if any suitable vessel for this duty 4/4 W
616611	3/29	Y&D	Copy of telegram to Pug. Sd. giving instrns rel to instln of heater system in compass house of some Alaskan radio compass station. W.
616461	3/1 3/24	Pug. Sd. Y&D	Alaskan radio Comp Sta- Adjustment of appropriations. WK Fwds S&A via C&R 4/6 RB 6/6 W Fwds Pug Snd via Ordn Navign 6/22 Pug. Sd - Request allotment to make adjustment of appropriation. 7/11 W Dept- 7/15- K Fwds Dept 7/21
616562	3/25	Aviation	Fwds copy of direction for recording and reporting weather and static observations at air bases. W. Fwds Nav Communications 4/15 W
614841	4/1	To Comdt Pug Sd via Y&D	Radio Compass Station Projects in 13th Naval Dist Chargeable "End 1922". W Y&D- Copy action to Pug. Sd. 4/5 W. Y&D- Cpy action to Pug. Sd. 4/6 W. Pug. Sd- request requisition 59 be cancelled 4/17 W. Fwds S&A 5/10

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DIRECTION FINDERS STATIONS 1922

Number.	Date.	From or To—	Subject.	
614843	4/5	To MI via Yds- & Docks	Radio Compass Station Projects in the 11th and 12th districts, chargeable "Engineering 1922" Allotment authd W Y&D- Copy action to MI 4/7 W MI- Fwds prints showing Arcola type of heating system. 4/25 W. Fwds Yds & Docks 5/13 Y&D- Copy action to MI 5/16 W	
616690	4/5	To Washington	Radio Compass Stations-Location of Buildings on Coast Guard Reservations- Fwds prints W	
929 615828	FROM OVER		9th Dist- Request expedite shipt of material to Grand Marais 4/7 W. 9th Dist- Experiments are being conducted. 4/10 W To 9 Dist- Gives inform 4/14 9th Dist- 4/18-Material can be purchased locally. 4/18 W. To S&A Regst shipment of Tubes from Washn to SO Great Lakes 138 4/26 RB 6/5/22. W. 9th Dist- Fwds monthly radio report. 5/1 W	

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DIRECTION FINDERS STATION 1922

Number.	Date.	From or To—	Subject.
614238	3/6 3/13	Pug. Sd. PCCS	Effect on bearings, radio compass stations by using cutting shielding screen - report Gov. W. Fwds Dir Comms 4/14 To Pug Snd- Effect on bearings of cutting shielding screen 4/17
614389	3/23	To Comdt's Boston	Fwds vandyke- radio compass house W
604894	fwded from card78		To Comdt's-Co's listed- Quarterly calibration and check of stations on Atlantic Coast- Detail of destroyers for duty W 3/23 To 8 Dist- Gives Action taken in conn with Quarterly Calibration 3/25 4th Dist- (T) CASE will proceed to 5th Dist upon completion of calibration. 4/11 W. Phila- Fwds deviation of composition curves for compass stations in Phila. Dist. 5/22 W Pensacola- Fwds radio compass calibration curves, 6/1 W.

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DIRECTION FINDERS STATION 1922

Number.	Date.	From or To—	Subject.
614583	3/25	To Chasn via Yds & Docks	desires listed projects be undertakem and completed during present fiscal year to place radio compass Stations W Y&D- Copy action to Chasn. 4/6 W Y&D- Fwds request of Chas for allotment for improvements at MI and distant control station. 4/17 W. Y&D- Copy action to Chasn. 4/17 W. Fwds Yds & Docks 5/2
615017	3/25	To Comdts yards listed	Radio Compass Stations located on Coast Guard Property W Phila- Plans showing radio and compass stations at Cape May Bethany Beach & Mantaloking - fwds. 4/7 W. MI- Fwds print showing compass station at Point Reyes. 4/6 W. To Coast Guard Fwds prints 4/13 To Washn Coast Gd-Fwds bprints 4/15 W Pu Sd- Fwds compass report for Tatoosh station. 3/21 W.
TO CARD 83 (dup)			704
601855	FROM CARD 77		

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[OVER.]

Number.	Date.	From or To—	Subject.	
611745	3/7	To Comdt NY via Yds- & Docks	Desires all radio compass stations in 3rd dist now on permanent basis, be provided with Standard heating systems W Y&D-Copy action to N.Y. 3/11 W. Y&D- Copy action to Bost. 3/11 W. Y&D- Copy action to N.Y. 4/6 W.	
613116	3/10	Y&D	Copy of letter to S&A rel to charge for mast shipt to compass stations in Alaska.	W.
539859	1-14/21	To S&A 5909	Reqst shipment of radio recievers from Wn to Pug Snd To S&A Reqst shipment of Receivers from Washn to Pug Snd 9856 3/10/22	

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DIRECTION FINDERS STATIONS 1922

Number.	Date.	From or To—	Subject.	
613038	3/11	To Norf via Yds & Docks	Radio compass Station projects in the fifth Naval Dist Chargeable to "Engineering, 1922". W Norf- (T) Recommends shades be purchased for barracks. 3/24 W To Norf (T) Gives inform 3/24 Y&D- Copy action to Norf. 4/6 W. Norf- Request motor driven plunger pump 5/25 W. To Norf- Recomdn for motor driven pump at Hog Island will be considered 6/3 W	
612922	3/14	To Phila via Yds & Docks	Radio compass Station projects in the Fourth Dist, chargeable to "Engineering, 1922 Gives list of projects authd W Y&D- Cpy action to Phila. 3/16 W Y&D- Copy action to Phila. 4/6 W.	
612925	3/14	To Washn giv Yds & Docks RB 4/1/222 W.	Radio compass Station-Anacostia- Heating System at Gives list of projects authd W Y&D- Copy action to Washington. 3/16 W Fwds Yds & Docks 4/5 Y&D- Copy action to Washn. 4/6 W. Y&D- Cpy action to Washnington. 4/7 W.	

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DIRECTION FINDERS STATIONS 1922

Number.	Date.	From or To—	Subject.	
607108	1/30	Norf.	Copy- all compass control lines placed out of commission due tostorm. W.	
607159	1/10	Pacf. Fleet Circ.	Use of ashore radio compass station- instrns covering. W.	
607588	2/1	Norf. (T)	~~Land lines still ut at compass stations~~ listed. W.	
14568/523	1/27	Comdt 15th N. Dist-Eng	Radio Compass Stations- Establishment of in outlying possessions.	
609488	2/13	Norf. (T)	~~Coast Guard communiction lines used by~~ compass stations due to recent storms- report on damage to various stations. W. 6 To Norf- Reqst infor cc Washn 2/16 Norf- Defective anode delivered to Yard for repairs. 3/16 W. To Norf Reqst plans 3/24	

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.
609513	1/28 2/13	Atl. Fleet Dept	Submn instrns issued rel to calibration of radio compass stations. W.
584495	FROM CARD 74		Dept of Commerce- 2/13 W Dept of Commerce- Returns prints 3/24 W. New Orln. 4/6- Apparatus removed from Grand Island & Burwood -Can be used at Sabine test. W. To NO- Gives disposition of apparatus 4/29 To Hon Secy Commerce (actg secy sig.) Dept has decided to abandon project for present returns print W 12/7
611741	3/7	To Boston via Yds & Docks	Desires all radio compass stations in First Dist now on permanent basis, le provided with standard heating systems W Y&D- Copy action to Boston- 4/6 W.

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DIRECTION FINDERS STATIONS 1921

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Number.	Date.	From or To—	Subject.
601900	12/19 12/22	Pug Sd 13th Dist	Subm recommendations on PCCS inspection 895 of stations at Marsh Field and Tatoosh and various compass stations. W
		1922	
602893	12/29	MI	Copy of letter to PCCS requesting specify transmitting and receiving circuits required for each stations to meet present requirements. W
603138	1/4	Norf/	Report on check cruise of radio compass stations W.
585322	FROM CARD 74		PugSd. Subm data. 1/9 W To Dir Comms- Gives Inform 1/ 19

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DIRECTION FINDERS STATIONS 1922

Number.	Date.	From or To—	Subject.	
605255	1/18	13th Dist; Copy	Smith Island and New Dunganese stations commissioned. W/	
604894	1/24	To Oprns	Radio compass Station Atlantic and Gulf Coasts Qrarterly Calibration and Checking of W	
			Dept- 2/17 W	
	see card	81	To Chf Oprns-Assignment of Two Destroyers 2/23 W	
			Dept- FLUSSER will be detailed to 1st Dist. 3/23 W.	
			Phila- Request inform as to availability of destroyer for calibration. W.	
606363	1/19	8th Dist.	Ask if Bureau will take up construction of Port Edes compass station at end of present fiscal year. W	
			New Orln- Request action. 2/21 W	
			8th Dist- Request action. 3/7 W	
606847	1/27	Norf. (T)	Power lines at Moorehead City out of commission- Coast Guard lines from Hatteras to Cape Lookout out of commission. W.	

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
595836	11/10	Pug Sd.	Asks if will construct two radio compass stations in Alaska during 1922, Alaska radio expeditions. W. To Pug Snd- Gives inform 11/23
596733	11/9	Mare Isl.	Fwds report on radio compass coil constance. W.
597660	11/21	MI	Recalibration of compass stations in 11th and 12th Dists- fwds reports. W.
599096	12/6	Norf. (T)	Request auth to make shipt of outlying radio and compass stations by commercial carriers. W. Norf- Recommends suitable craft be assigned for transporting radio apprs if commercial carriers are not to be used. 12/7 W 600- 2 Shipments Fwd ~~S&A cc Norf 12/15~~ Fwd S&A 12/15 To S&A Reqst Comdt of each dist be authd to make shipmt 12/16 S&A- Cannot comply with request. 12/24 W
600569	12/15 VOID	Norf. VOID error	Request decision as to whether expenses incurred for special delivery stamps should be borne by

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DIRECTIONS FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.	
600568	12/7 12/15	CO GILNER Communications	Subm report on radio compass bearings	W.
601119	12/14 To Comdts MI II-12 Dists- Gives Action taken cc Operns- Director comms 1/10/22	MI	Request assignment of suitable vessel for calibration of compass stations in 11th and 12th Dists. W. To Operns- Gives Action 12/31 Dept- Copy of telegram to Pacf. Fleet approving 1/6 W.	
590140		fwded from card ~~919-1~~ # 75	Fwd Dir of communications 12/22 W RB 2/8 with prints To Sec Commerce (Asst Sec Sig) Give rel removal of Radio Compass Station at Pass-A Loutre La to Port Eads South Pass 1/10/22 Dept of Commerce- rel to removal of compass station at Pass -A-Loutre to Port Edes. 1/15 W. To Dept (Asst Sec Sig) Reqst authy to permit Dept use land listed 2/15 Dept- Commerce- 2/9 W. To NO- Allotment authf. 3/9 cc dir comm 8th Dist- (T) Recommends do not calibrate Pass-A Loutre Grand Isle and Burwood sta. 3/15 W War Dept- Fwds location sketch & prposed structures at Port Edes. 3/9 W. To No (T) Hold project in abeyance for for further instrns 3/20 -- See 919-24 Y&D- Copy action to New Orln. 3/25 W To Sec of War (Sec Sig) Authority to Use and Occupy Portion of Army Reservation on East Bank of South Pass cc 4 Dist- 3/27 New Orln- Copy- Request auth to place compass stations listed out of commission. 3/30 W	W
TO CARD	77- A			
601855	12/14 12/23	Pug. Sd. Communications	Monthly report of activities for October rel to radio compass. W. Fwd Director of Communications 1/4/22 To Pug Snd- Gives Action 1/6/22 Pug Sd- fwds compass report for T	

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DIRECTION FINDERS STATIONS 1922

77- A

Number.	Date.	From or To—	Subject.	
590140	FROM CARD 77		War Dept- Grants license - fwds prints. 5/1 W To NO fwds cc letter from War Dept to Navy 5/5 5/18 Fwds Dir Commns 5/19 RB 5/26 W. To NO-- Gives Instrns cc Dir Commns 6/6 To Sec of War (Asst Sec sig) - radio compass Station Port Eads acceptable 6/17	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.	
592397	10/20	Pug. Sd p	Fwds radio compass data. W.	
592965	10/27	Norf.	Calls attn to excellent performance of SHARKEY in conn with calibration of compass stations in 5th Dist. W. Fwd Navign cc CO- Atlantic 11/3	
593600	10:31	Phila	Fwds special report on calibration of compass stations in 4th Dis.W	
593785	11/1	Y&D	Copy of letter to Norf. outlining work for radio compass station in 5th Dist. fiscal year 1922. W	
593417	11/3	To Dir Comm	Test of shore Radio compass Fwds report of W	
592990	11/3	To Dir Commns	Location of position of radio compass Stations-W	
592993	11/3	To Dir Commns	Errors in bearings furnished U S S OHIO- Gives instrns W Communications- 11/29 W.	

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
594371	11/4	Dept	Copy of telegram to Pacf. Destry and Pug/Sd. authorizing defer calibration of radio compass station until completion of work on WICKES. W.
595169	11/9	Phila.	Fwds special report on quarterly calibration of compass stations, in 4th Dist. W.
595168	11/9	Phila.	Special report on quarterly calibration of compass stations in 4th Dist. W.
583601	FROM CARD #4		N.Y.- Fwds deviation curves and reports cov calibration of compass stations in 3d dist. 11/10 W 8th Dis-report on calibration-12-5-W Chasn- Report on calibration of Folley and North Isl. 12/27 W Boston- Fwds chart of test run made by CLEMSON co. 1/11 W N.Y.- Aks when destroyers will be available. 1/9 W To NY-2;24-W To NY-reqt info re poor results-no objection to calibration by vessel available in district-3;2W N Y.- Will submit report on erratic performance 3/30/22 W
595836	11/10	Eng. 34.	Ask if will contract two radio compass stations in Alaska during 1922, Alaska radio conditions W

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.	
587304	9/26	Communications	Request care takers be provided at stations listed in order to make services of Nav radio personnel available. W.	
587621	9/27	Pug. Sd. (T)	Ask when vessel will be available to calibrate Alaska radio compass station. W. To-- (T) Will advise later 9/28 Dept- Copy of telegram to 13t Dist authorizing use SATURN FOR calibration 9/30 W. To Pug Snd (T) Gives inferm 10/1 Pug. d.- Copy- SATURN not suitable for work. 9/30W	
587224	9/29	To Navign	~~Quotes inform regarding British Stations W~~	
588386	10/3	Communications	Report on decisions reached at conference between communications and engineering representatives in conn with various radio compass stations built, building and proposed. W.	
588352	10/3	Dept	Copy of telegram to 13th Dis assinging vessels to calibrate Alaskan compass stations. W	4-S-8
588566	8/17 10/3	5th Dist Communications	Fwds table of comparisons, radio directions, 919 with true directions. W	

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.	
589288	10/4	Chasn.	Subm spcial radio report on electrical constance of radio compass instlns in 6th Dist. W.	
589488	10/8	Dept	Copy of telegram to Pacf. Destry and 13th Dist approving detailing destry for calibration of radio compass station in 13th Dist. W	
589779	10/11	Pacf. Destry Copy	WICKES detailed for calibration of compass stations in 13th Dist. W.	
590148	10/10 10/22	Communictions Dept	Radio compass station at entrance of Mississippi river -recommendations cov. W.	
			To 8 Dist Calibration of station at pensacola Fla- cc NO- Pensacola 10/21 To NO- Rel relocation of compass Station 10/21	
591417	10/18	CO OHIO	Report on further test of shore radio compass. W.	
591994	10/17 CANCELLED	Fed Tele. Co. 1- 919-1 CANCELLED	Fwds circular describing a Kolster radio compass and position finder. W.	
591968	10/22 Fwd Yds & Docks 11/19	Y&D	Fwds sheets cov miscl data for data book Public Works of the Navy, Compass sta. Soapstone Point. W. Fwd Pug Snd 10/31 Pug. Sd. Subm miscl data. 11/9 W Fwd Yds & Docks 11/19	

New Orln.- (T) Request travel orders be issued to Lt. J.M. Kirkpatrick to Ft. Eads to select compass site. 10/1 W. 832- 1 N Orleans-12,6-W

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
563763	FROM CARD 71		Great Lakes Rqst Coast guard make inspection of buildings. 8/24 W. To Great Lakes Gives inform rel care taken for lighthouse 9/1
583601	9/1	Operations	Directs Atl.Fleet to designate two destry to calibrate radio compass stations. W
061		Phil- Copy instrns to SHARKEY 9/12	Atl.Fleet- Copy- BRECK designated for duty
To Comdts- Stations- Gives Instrns 9/14			in 3d Dist-ISHERWOOD in 4th Dist.9/3 W
To Comdts 11-12 Dists- ML- CO Calibrating vessel Gives comments 9/15			
CARD 76	To Comdts 1-8 Dsts Ine Yds-------To Operns- Communication- Washn- Anacostia- Stations listed ---------		Comdt 3-4 Districts Data in connection calibratio and check of stations- and comments rel future calibrations W 9/9
Phila 9/23 W			
To Pug Snd MI Gives instrns 10/4			
580498	9/2	Operations	Copy letter to Atl.Flt rel to assigning Destrys to calibrating compass station.W 919
585080	9/9	MI	Assignment of destroyers for calibration of radio compass stations- copy instrns to Pacf. Fleet. W.
584495	9/14	To Dept of commerce	Reqst permission to erect radio compass house quarters and boardwalk- Fwds prints W
To Sec of Commerce (Sec sig)			
Gives Detld inform rel condition of lighthouse 12/13 W			in the vicinity of Sabine Pass Texas W
CARD 79	To Dept of Commerce- (Sec sig)		Dept Commerce- 9/20 W.
Reqst Navy Department be permitted to use Light House Wharf 2/8			Dept Commerce- Recommends be located on different portion of reservation. 11/1 W
			Fwd 8 Dist 12/13 RB 1/23, with prints and estimate W

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DIRECTION FINDERS: STATIONS 1921

Number.	Date.	From or To—	Subject.
585337 m	9/13	Pacf. Fleet Copy	Schedule of calibration of radio compass stations in 11- 12th Dist. W.
585322	9/8	Pug. Sd.	Alaska Station- rqst assignment of vessel to calibrate. W.
	Pug. Sd. 12/16 W.		
	To Dir Comms Gives Action 12/30		To Pug Snd- Calibration of Alaskan Radio compass- Stations W
CARD 78	To Pug Snd comments 12/30		
585547	8/27 9/14	CO NEW MEXICO Communications	Report of observations of shore radio compass stations. W.
586137	9/19	DNS	Gives geographical positions of radio compass stations in 12th Dist. W.
3 586304	9/23	To Dir communications	Cape Minchenbrook and Soapstone Point, Alaska- completion of- Report are ready for calibration and subsequently can be placed in operation cc Pug Snd W
	Communications 9/24 W.		To Dir Intelligence- Gives Inform 9/23
586956	9/22	CO OHIO.	Subm report on test of radio compass bearings. W
			Fwds Dir communications 9/30 RB 10/11 W.
			To CO- Reqst Inform 10/8
586921	9/23	Norf. Copy	Request authority for over time work in conn with calibration of compass stations in 5th Dist. W.
586660	9/24	To MI	Geographic position of stations- Fwds data W

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
573084	6/28	Pug Soudn	Fwds report of inspection of radio & Radio Compass Stations at points listed W
573288	7-12	To Comdt Puget Sd	Radio compass stations 13th Dist. approval of W
565801	7-16	To S&A	Reqst shipmt of condensers from Washington to Key West W 7554
565802	7/16?	To S&A	Reqst shipmt of condensers from Wash to New Orleans W 7555
576208	7;20	Y&D	Reqt addtl allotment covering radio compass installations in Alaska.W Y&D-copy of action to Pug Sd-7;20-W To Y&D 7/25 Y&D-Copy action to Pug.Sd. 7/27 W
576476	7;13	Pug Sd	Reqt allotment be made covering completion of service records etc of radio stations listed in Oregon and Washington.W fwd Y&D 7/28
577130	7/23	Communications	Copy of letter to 8th Dist rel to use of radio compass stations for weather and static observations. W.
57 578373	8/1	Y&D	Copy of enforsement to Boston authorizing items of work listed at various compass stations fiscal year 1922. WK

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DIRECTION FINDERS STATIONS 1921.

Number.	Date.	From or To—	Subject.
578532	7/29	Y&D	Copy of letter to Pug Sd. stating necessary to obtain Surveys of compass stations in 13th Dist. from Bureau of Light houses and Coast Guard. W.
579451	8/3	New rln.	Fwds calibration curve for Pass A Loutre Burwood and Grand Isl. station. W.
3 554127 FROM CARD #68	7/15	Dept	opy of letter to Pacf. Fleet directing designate Destry for calibration of radio compass stations in 11th and 12th Dists. W To Comt Puget Sd 8/18 To Comdt MI 8/19
581623	8/18	CO ABBOTT	Fwds chart showing calibration of compass station. W.
581897	8/17	Pug. Sd.	Alaska Subm report on testing of compass sites. W.
14197-140	7/23/21	Joint Bd W.S.Pye	Locations for radio finding stas. in the Phillippines.

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[OVER.]

DIRECTION FINDERS: STATIONS 1921

Number.	Date.	From or To—	Subject.	
562952	5-26	To S&A	Reqst shipmt of condenser from Washington to N.Y. W 7550 RB 7/15	
565981	5-27	To S&A	Reqst shipmt of condensers from Washington to Mare Island W 8556	
565800	5-27	To S&A	Reqst shipmt of condensers from Washington to Charleston W 7553 RB 8/24	
565954	5-27	To S&A	Reqst shipmt of condensers from Washington to Norfolk W 7552	
562953	5-27	To S&A	Reqst shipmt of condensers from Washington to Phila W 7551	
565983	6-7	To S&A	Reqst shipmt of condensers from Wash to Great Lakes W 7547	
565982	6-7	To S&A	Reqst shipmt of compensating condensers from Wash to Puget Sd W 7541 RB 7/5 Pug. Sd. 9/21 W To Pug Snd Rel shipmt of condensers 10/4	
569794	6/14	Norf.	Request wickles vapor oil stoves, be furn to stations listed. W.	
14121-279	6/28-21	ONI Eng	Locations for Radio Direction Finding stations in the Philippines.	

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
551443	FROM CARD 67		8th Dist Fwds map showing location of compass stsions of Sabine Texas, with estimates. 6/6 W.
563763	6-21	To Naval Commun	Radio compass stations within Great Lakes Dist. Wel caretakers for - W Coast Guard 7/29 W. To Great Lakes 8-16
571426	6/17	Grt Lakes	Fwds prints of radio compass station Whitefish point Detour and Thunderbay Island. W. To Dept Com 7/6
571260	6-24	To S&A	Reqst shipmt of Delco units from Norfolk to Mare Island W 7947 RB 10/26 W.
571259 Pug Sd-7:13-W	6-24	To S&A	Reqst shipmt of Delco units from Norfolk to Puget Sound W 7948 RB 10/3 W. To Comdt Puget Sd 7/28
571852 To 8 Dist-	6/25 10/22	New Orln.	Foundations for buildings for radio compass stations at Sabine Pass- calls attn to condition of sale, etc. W. To Comdt N.O. 7/23 8th Dist- Subm recommendations and estimate 8/29W

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[OVER.]

DIRECTION FINDERS: STATIONS: 1921

Number.	Date.	From or To—	Subject.
557889	4;27	NY	Gives geographic locations of stations.W To Commun 5-4
557892	4;25	9th Dis	W
560836	4;28	Norf copy	Hog Island, Birginia Beach, Cape Hatteras and Cape Lookout compass stations calibrated- Pointers Hill will be calibrated April 29.W
560751	4;21	Pug Sd 617-1	Request auth to purchase furniture for Alaska radio compass station.W fwd Y&D 5-7
561358	4/29	New Orln.	Compass stations in 8th Dist. -rqst be calibrated. W. To N.Orlns 5-6
561496	5/2	Washn.	Subm comments on criticisms made by Boston Yard on performance of SE 1440 receivers at Shore radio compass stations. 498 W.
562015	5/2	Atl. Battle ship Force	Copy of letter to Dept submitting report cov practical use for shore radio compass stations. W.
562214	5/5	Dept	Copy of telegram to Pacf. Fleet directing Destry report to MI about 5/10 for calibration of compass stations in 11th and 12th Dist. W. Pacf. Fleet-Copy- complied with. 5/6 W

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DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
562600	5/7	7th Dist. Copy	Ask probable date of arrival of destroyers for calibration of compass stations. W.
			To Key West T 5-12
562945	5/12	Chasn. (T)	Reconstruction work, Folly Isl. W.
			To Chasn Tel 5-11
563019	5/10	5th Dist. Copy	DALE now calibrating compass station in 5th Dist. W.
562316	5/10	Norf. (T)	Date of completion 5/14 W.
563143	5/10	Pacf. Destry Copy	LITCHFIELD detailed for radio compass calibration in 11 and 12th Dist. W.
563456	5/9	New Orln.	Request authority to lump maintenance allotments for radio stations, radio compass stations and light vessels withing 8th Dist. W.
			To NO 5-16
563763	5/12	Communication	Cannot commission radio compass stations on Great Lakes except White Fish Point and Eagle Harbor. W.
CARD 74	Communications 5/27 W		
	To Coast Guard 7/19		To Comdt 9th Dist 5-18
	Coast Guard-Lighthouse keeper refuses to turn over property until authorized by CO. 8/20 W.		9th Dist. 5/27 W
563996	5/14	Phila.	Calls attn to utility of radio telephone at Bethany Beach for transmitting their bearings direct to Cape May. W.
565251	5/18	Atl. Destry	Instrns to vessels listed rel to calibration of compass stations. W.

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[OVER.]

DIRECTION FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
536130	FROM CARD 63		N.Y. Subm corrections. 4/15 W.
558792	4/19	Norf. (T)	Recommends Morehead tubes be furn Yard immediately. W. To IM Norf. Gives status of shipment 4/21 To S&A Reqst shipmt of tubes from Washn to Norf 7087 4/21
559167	4/19	Grt Lakes	2 compass station ready for calibration; Chaser 419 being used. W.
559227	4/20	PCCS Copy	Gives priority list of compass stations in Pacf. Division. W
559194	4/23	To S&A	Reqst shipmt of Condensers from Washn to Boston 7107 W RB 5/17 W.
559772	4/23	Y&D	Copy of letter to S&A rqsting stoves listed be shpt to Grt Lakes for compass stations in 9th Dist. W.

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DIRECTION FINDERS STATIOS 1921

Number. 3	Date.	From or To—	Subject.	
540515	FROM	CARD 65	Key West- East Martello tower station ready for calibration 5/15. W. 4/23 N.O.- 7/5 fwds report of ~~ABBOTxxW~~ work done by ABBOT on stations. W To CO ABBOT 7/25 copy Oprns and Atl Flt. 8th Dist- fwds chart showing bearings. MISSISSIPPI River to Galveston. 7/21 W 1st Dist- Copy letter to Lawrence 8/25 W	
551443		SEE CARD 67	To ~~1~~ NO Proposed Radio compass Sta in vicinity pf ort Arthur W 4/25	
560299	4:26	S&A	Copy of shipment order covering heating stoves from Phila to stations listed. W	

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[OVER.]

Number.	Date.	From or To—	Subject.
556059	4/4	Pug.Sd.	Fwds report by Lt.Cdr. F. Luckel covering investigation for site of compass station at Nation Point, Alaska. W.
556055	4/4	Pug.Sd.	Fwds report by Lt.Cdr. F. Luckel covering investigation for site of compass station at Southern entrance of Cross Sound. W.
556060	4/4	Pug.Sd.	Fwds report by Lt.F.Luckel covering investigation for site of compass station at Lonki Point. W.
556058	4/4	Pug.Sd.	Fwds report by Lt.Cdr.Luckel covering investigation for site of compass station at East Chugach Island. W.
556057	4/4	Pug.Sd.	Fwds report by Lt.Cdr. F. Luckel covering investigation for site of compass station at St. Elias. W.
539321	FROM CARD 64		N.Y. 4/8 W. To NY via S&A. re Shipmt of Delco units cc S&A 4/14 Pug.Sd. 4/29 W. To Puget Sd 6-3 Phila. 6/14 W. Pug.Sd. 8/4 W.

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
556794	4/11	Y&D	Copy of letter to Boston submitting list of stoves secured from War Dept for compass buildings in 1st Dist. W.
556796	4/11	Y&D	Copy of letter to Great Lakes submitting list of stoves secured from War Dept for compass buildings in 9th Dist. W.
556795	4/11	Y&D	Copy of letter to Charlestons submitting list of stoves secured from War Dept for compass buildings in 6th Dist. W. Y&D- Copy of action to S&A- 4/21 W.
556797	4/11	Y&D	Copy of letter to Norf. compass submitting list of stoves secured from War Dept for compass stations in 5th Dist. W.
557203	? 4/12	Pug.Sd. Y&D	Fwds photos showing Smith Island radio Comp Station in conn with type of building and construction at stations in 13th Dist. W.
557691	4/14	Y&D	Copy of telegram to Boston in conn with keeping ranges in stock for use of compass station. W.
558026	4/9 4/15	Boston CANCELLED SEE 1032 Y&D	Recommendations covering disposition of buildings at abandoned radio stations, North Truro and South Wellfleet- fwds photos. W.
Boston- Fwds letter from M.B.Baker rel to purchasing buildings at So. Willfleet sta. 12/6- W. 1032-			To Washn 4/23 Fwd Sellcitor cc Yds & Docks Boston 4/27
557701	4/15	To S&A	Reqst shipmt of Testing sets from Brook to Manistique 7027 L RB 5/17 L
558021	?? 5/14	Coast Guard	W. (old number)

DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.
546018		SEE CARD 66	To S&A Reqst shipmt of com ass from Phila to Eagle harbor 6627 3/16 L 9th Dist. 3/29 LW To 9 Dist Gives inform re sh pmt of battery 4/21
553731	3/12	Nav. Attache Spain 652	Radio compass stations will be constructed on Coast of Spain. W.
553493	3/24	Y&D	Have made allotment to Norf covering cost 919-18 cost of installing casement window at Hog Island Cape Lookout Cape Hatteras and Pointer's Hill Compass Station. W
554259	3/24	Pug. Sd.	Merridian and geographical positions requested for certain radio compass station. W. To Pug Snd - Gives inform 4/22 Pug. Sd. 6/2 W. To Supt U.S Coast & Geodetic Survey- Reqsts that Geographic position be established at Pug Snd 7/6

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
554766	3/31	Y&D	Copy of letter to Pug·Sd approving alterations in radio compass House 13th Dist. W.
554767	3/31	Y&D	Copy of letter to Phila stating two ranges will be transferred from War Dept to Phila. for use at Bethany Beach. W.
34			
554127	4/1	To MI	Radio compass stations, calibration of W
		Pug.Sd. Status of compass stations in 13th Dist. 5/26 m W.	To Pug Snd Reqst one month in advance of calibration period of radio compass statns 4/1
CARD		To Nav Commun 6-24	
73		Pug·Sd. Rqst action. 8/1 W' MI- 8/4 W.	To Pug Snd- 4/1 MI 4/7 W.
		To Operations 8/12 copy MI 11th and 12th Dist.	MI-(T) Rqst action 5/4 W.
555016	4;1	Y&D	Copy of letter to Boston in connection with transfer of two ranges from War Dept to Boston for use of compass stations. W
555144	4/2	Y&D	Copy of letter to Boston authorizing install casement windows in coil rooms at comp stations listed. W.
555613	4/2	Boston	Geographical positions of newly established compass station- subm. W.
555561	3/31	Y&D	Copy of letter to Pug·Sd. approving alterations to radio compass houses in 13th Dist. W.

Number.	Date.	From or To—	Subject.
549083	3/1	Y&D	Copy of letter to Pug·Sd· fwding print showing detailes of construction of masts for radio compass instlns in Alaska· W.
550523	3/4 3/9	1st Dist Communications CANCELLED-	Siasconsett North Truro Stations- discrepancies of- Chatham, commissioning of; Morse circuit G-63- extension of. W.
550937	3/5 3/11 Y&D- Copy of action toPug·Sd. 3/25 W	Pug.Sd. Y&D	Subm report covering conditions of various radio compass stations withesestimates cov alterations necessary W. Fwd Yds & Docks 3/22
550936	3/4 3/11	Pug·Sd. Y&D	Ask if Bureau intends to purchase furniture from present allotments or from addtl allotments for compass inAlaska. W. Fwd Yds & Docks 3/21
551028	3/5	MI	Fwds report on recalibration of compass stations in 11th and 12th Dists. W.
551430	3/14	Y&D	Copy of letter to Key West fwding vandykes of revised drawing showing radio compass house.W
551431	3/14	Y&D	Copy of letter to Charn. fwding vandykes of revised drawing showing radio compass house.W
551432	3/14	Y&D	Copy of le tter to Pearl Harbor fwding vandykes of revised drawing showing radio compass house. W.
551433	3/14	Y&D	Copy of letter to Pug·Sd. fwding vandykes of revsed drawings showing radio compass house.W

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DIRECTING FINDERS STATIONS 1921

Number.	Date.	From or To—	Subject.
551434	3/14	Y&D	Copy of letter to N.Y. fwding vandykes and revised drawings showing radio compass house W
551435	3/14	Y&D	Copy of letter to Boston fwding vandykes and revised drawings showing radio compas house. W
551435	3/14	Y&D	Cpy of letter to Norf. fwding vandykes and revised drawings showing radio compass house.W.
551429	3/14	Y&D	Copy of letter to New Orln. fwding vandykes and revised drawings showing radio compass house/W
551428	3/14	Y&D	Copy of letter to 9th Dist. fwding vandykes and revised drawings showing radio compass house w
551427	3/14	Y&D	Copy of letter to Phila fwding vandykes and revised drawings showing radio compass house.W.
551426 m	3/14	Y&D	Copy of letter to MI fwding vandykes and revised drawings showing radio compass house. W.
551443	3/12	Dept 70 card	Authorizes establishment of radio compass station at Port Arthur, Texas. W.
TO: 8th Dis-4;6-W CARD 72		8th D st-Fwds print with comments on rel location compass stations near Sabine Pass. 4/21 W	To IM NO Gives instrns. re Dir comm 3/26 Fwd Navign via Yds & Docks 4/25 70 RB 6/15 W
551606	3/15	At1.Desty Copy	Destroyers on radio compass calibration duty will be relieved by other destroyers, 4/1 W.
551611	3/14	Dept To 13 Dist via S&A. 3/31	Fwds correspondence rel to subsistence of Navy Yard employees on duty in Alaska on radio compass station and ceiling plant work. W. Fwd 13 Dist via S&A 3/19

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[OVER.]

Number.	Date.	From or To—	Subject.
13708-273	1/27/21	Eng.---Comdt. Mare Is	Radio Telegraph - U.S. Naval Radio Sta. Guam - Establishment of Distant Controal & Receiving Station ~~for~~ at Merizo instead of at Tigo.
543760	1/21	Pug. Sd.	Furniture and equipt for quarters of electricians in charge at Cattle Point New Dungeness and Smith Island Comp Sta.- subm list of with estimates. W. **fwd Y&D 2-2** Y&D- Copy of action to Pug. Sd. 2/4 W
~~534343~~	FROM CARD 63		Boston- Working sectors and aerias compass stations in first Dist.- fwds prints. 1/26 W. **Pug.Sd.- Fwds radio compass reports. 2/16 W** To Pug Snd Returns calibration curves for inform on points listed 3/10 **Pug.Sd.- Fwds calibration reports. 4/11 W.** Pug. Sd.- Fwds radio compass reports cov calibration of Fort Stevens and Empire Sta. 4/13 W New. rln. Fwds print with report. 4/16 W. ~~NY- fwds prints showing working sectors-4;27-W~~ ~~Norf-fwds VanDyke-4,28-W~~ **To NY 5-3** Phila. 5/3 W. To Communications 5-12
543993	1;25	Dept Agriculture	No objection to use of unoccupied forest land Soapstone and Unoin Point for establishment of radio compass stations. W. **To Puget Sd- auth granted use lndd2-3** **To Dept Agriculture 2-4-21** **To Dept Agriculture 2-5 acknow permission to use stations Soapstone and Nation Points within the Tongass Natal Forest Alaska 2 W**

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
545065	2/5	Norf.	Request authority to subm requisition for furniture for compass stations in 5th Dist. W. To Norf via Y&D 2-17 Y&D Estimate cov furniture. 4/4 W Fwd Yds & Docks 4/12
545548	2/8 2/9	Pug.Sd. (T) Y&D	Request addtl allotment covering substitution of brick for tile chimneys, radio compass bearings for stations listed. W. fwd Y&D 2-12-21
545735	2/3	9th Dist.	Fwds Dept letter stating not tug can be assigned for calibration of compass stations. W
546018	2-12	To Comdt 9th Dist	Rel shipt of radio comp appr for stations in 9th Dist. W 9th Dist. Rqst shipt inform rel to ship stg batteries. 2/26 W
		Ho S&A Reqst shipmt of Delco Charging Units from Norf to Alpena 6654 3/17 SEE CARD 68	
547338	2/18	Y&D	Copy of telegram to Pug.Sd. directing obligate as much of original allotment for present fiscal year, as possible, at stations already authorized. W.
547533	2/19	Copy	Request permission to commission Imperial Beach, Point Arguella, Point Hueneme and Point Fermin W.
548228	2/16	MI	2 1/2 gal badger fire extinguishers are being fwded all compass stations. W.
548252	2/24	Y&D	Copy of letter to HqmRds. asking if any engineers transits are available for asignment to Engineering for year, in conn with calibration of compass stations. W.
548692	2/25	Atl.Destry Copy	Ask if shall dispatch Cassin GOFF to 1st Dist and 4th Dist for radio calibration . W.

DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.	
540515	1/12	Dept	Copy of letter to Atl. Fleet in conn with assignment of Destrys for calibration duty on Atlantic Coast. W.	
TO CARD 70	Phila. 2/23 W. To Phila 3-1-21 To Key West Gives Instrns 4/16 To ChasnEquipmt not availabe 4/16		To Comdts Oprns Commun- duty in conn with Phila. Cape May comp sta being calibrated. 2/2 W To Phila 2-14-21	1/22
540050	1-15	To Y & D	Allotment for Tybee Island. W K	
529859	1-14	To S&A ✓	Reqst shipmt of radio receivers from Wn to Puget Sound W	5909
540710	1/12	9th Dist.	Request clothing listed be shipt to Great Lakes for issue to compass stations. W fwd S&A via Naval 1-19	
540386	1-18	To Comdt Boston	Recommendations rel radio compass stations Damiscove Island and Cross Island W Boston- buildings are of no sale value. 1/25 W fwd Sec 2-2 RB 2-15 RB 2-24 fwd Boston 3-9	
540384	1-18	To S&A via Intl and Naval Communications	Info rel establishment of radio compass stations along the Great Lakes. W	
511021	FROM CARD 56		Mare Island- Copy of action to 12th Dist. 1/10 W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
540391	1-19	To Coast Guard	In conn abandonment of stations Damiscover and Cross Island W Y&D- Copy of endorsement to Dept. 2/14	W.
541858	1/21	Y&D	Copy of letter to N.Y. directing masts and erection material be shipt as soon as possible for compass station in Alaska. W.	
543130	1/26	N.Y.	Copy of letter to Nav. Sup. Depot directing expedite shipt of mases and erection equipt for radio compass stations in Alaska. W. Y&D- Copy of action to N.Y 1/28 W.	
543119	1/26	Y&D	Copy of endorsement to Pug. Sd. requesting furn immediately estimates of furniture required for radio compass stations in Alaska. W Y&D- Copy of action to S&A 2/5 W	
539443	1/3	Mare Island	Copy of letter to Pacf Fleet reqsting services of Destry for calibration of compass stations. W	919
534343	SEE	CARD 63	M.Is.--Copy of action to Coast & Geodetic Survey. 1/25 W	
13708-273	1/26/21	Eng. -- Y&D	Radio Teletraph- US Naval Radio Station Guam, Establishment of distand control and receiving station for at Merizo instead of at Yigo.	
13782-196	1/25/21	Eng---Mare Isl	Radio Telegraph - US Naval Radio Station Guam New Installation of/	
13708-273	1/26/21	Eng---War Dept.	Radio Telegraph - US Naval Radio Station Guam, Establishment of remote controle and receiving station at Merizo.	

Number.	Date.	From or To—	Subject.	
539488	1/8	Y&D	Copy of letter oto NY requesting 4 masts be shipd to Pug.Sd. for radio compass station in Alaska W.	
539482	1/8	Y&D	Copy of letter to Chasn. in conn with details of screening compass houses. W.	
539320	1-12	To Puget Sound	Assignment of radio equipments for instaln at Cape Elias and Cape Hinchenbrook Alaska W To S&A reqst shipmt of radio cokp coil systems from MI to Puget Sd 1/12 5887 RB	2-28
		Y&D- Copy of action to Pug.Sd. 1/15W Pug.Sd. 1/24 W.		
539836	1/11	Y&D	Copy of endorsement to Pug.Sd. giving instrns rel to radio compass work at Cape St. Elias and Cape Hinchenbrock. W	
539322	1-12	To S&A	Reqst shipmt of material from Washington to Puget Sound W 5889 RB 3-15	
539850	1-13	To S&A	Reqst shipmt of radio receivers from Washn to Mare Island W 5892	
539848	1-13	To S&A	Reqst shipmt of radio receivers from Washn to Puget Sound W 5890 RB 3-3-21	
540051	1/12	Y&D	Copy of endorsement to Norf/ stating cannot accept paint or varnish unless samples are submitted for analysis W.	
540050	1/12	Y&D	Request addtl allotment be authorized covering compass house and quarters at Tybee Isl. W. Y&D- Copy of action to Chasn. 1/19 W.	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
539851	1-13	To S&A	Reqst shipmt of radio receivers from Wasn to Boston W RB 2/12/21	5893
539321	1-12	To S&A	Reqst shipmt of gas engine trans from Brooklyn to Puget Sound W	5888
TO CARD 69		To S&A Reqst shipmt of engine from Brook to Pug Snd 6750 3/25 RB 5/31 W. To Pug Snd 3/26	Pug. Sd. (T) Rqst material be shipt be express. 5/18 W.	
539860	1-14	To S&A	Reqst shipmt of radio recivers from Wn to Great Lakes Training Station W 9th Dist. 4/27 W.	5911
539856	1-14	To S&A	Reqst shipmt of radio receivers from Wn to Charleston W RB 4/11 W.	5906
539857	1-14	To S&A	Reqst shipmt of radio recievers from Wn to New Orleans W New Orln- 3/21 W To IM NO Gives Inform 4/8	5907
539854	1-14	To S&A	Reqst shipmt of radio receivers from Wn to N.Y. W RB 3-5	5894
539855	1-14	To S&A	Reqst shipmt of radio recivers from Wn to Norfolk W	5895
539858	1-14	To S&A	Reqst shipmt of radio recievers from Wn to Mare Island W	5908
539859 card 80			To S&A Reqst shipment of Receivers from Washn to Mi 9854 3/10	
539861	1-14	To S&A	Reqst shipmt of radio recivers from Wn to Phila W To S&A Reqst shipment of receivers from Washn to Phila 9857 3/10/22	5910

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DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.
534664	12/9	Mare Island	fwds deviation curves for compass station listed. W.
534343	12-16	To Comdts IM's	Radio compass working sectors and areas
TO CARD 66	7th Dist 1/7	W.	of- rel establishment of. W SEE CARD 65
	Chasn- Fwds prints 1/6	W	Phila- Fwds print of working aeras in 4th Dist.1/3 W
	Chasn. Fwds prints. 1/6	W	Mare Island- Subm data covering comp sta in 12th District. 12/31 W.
492065 from card 49			Fwd Operations via Commun 12/18 12/27 W
		TRANSFERRED TO CONFIDENTIAL FILES.	
			Dept- Ask if funds available. 1/4 W
			To Secty via Commun- reqst auth make expnd 1/7
			RB 1-14
			Fwd Secty 1-19
			Communications 1/18 W.
			Letter from Nav. Aircft Facty 1/18 placed in confidential files.
535435	12/17	Y&D	Fwds specifications for radio compass house and quarters Tybee Island. W.
534816	12/20	To Phila T	Bureau auth 2000 for radio compass equipmt W
OVER	Phila 12/28 W		Phila- (T) Gives estimated cost- not recommended.
	Shipt order from Wash to Phila condn 12/30 5715		12/15 W.
			To Phila disappvd 12-24
	Phila- Rqst authority to purchase mat rial. 12/29 W		Phila. 12/27 Prggress report. 12/27 W
535928	12/8	N.Y	Request disposition of requisitions listed. R
		VOID- wrong entry	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
536130	12/20	CO OHIO 323-6	Fwds report cov ring test of shore stations. W
TO CARD 70	Phila. 1/20 W. Norf- 1/24 W.		To NY 1/10 To Norf 1/10 To Phila 1/10
	Phila- Subm comments on test. 2/21 W		To Commun 1-11
536916	Fwd CO OHIO 4/6 12/22	RB 5/16 W 9th Dist.	To CO OHIO 1-13-21 Rqst shipt orders be issued covering apprs and equipt for compass stations listed. W.
	9th Dist. 2/25 W To Comdt 9th Dist 3-9 9th Dist. 3/13 W.		To Co dt 9th Dist. 1/5/21 To Y&D- rel motor turck for Eagle Harbor 1/5 cov 9th Dist
536977	12/22	Mare Island	Fwds report on calibration and test of Frisco Comp stations. W.
534816	FROM OVER		Phila- progress report. 1/3 W. Phila- Subm list of material. 1/17 W.
533274	1-7	Fwd Y&D	Radio compass hours- details of standard screening W
539303	1-10	To Comdts IM's	Fwds vandyke copy of drawing W Chasn. 1/14 W
539197	1/8	Y&D	Copy of letter to Pug.Sd. rqsting list of furniture required for quarters of electrician in charge at Cattle Point, Slip Point and Smith Island stations. W.

DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.
531953	11/30	Boston Copy	Calibration of compass stations delayed due to heavy gales. W.
531994	11/30	Y&D	Request recommendations as to cancellation work at Hog Island in view of fact that some other site will be selected. W. To Y&D appvl of estimates 12/6 Y&D- 12/7 W. To Y&D typographical error 12/9
532006	11/30	Y&D	Copy of letter to 6th Dist. authorizing construction of radio compass house and quarters at North Island and Tybee Island. W.
532207	11/29	Great Lakes	Request blank forms for inventory of compass stations be furn. W. To Comdt 9th- forms not yet ready 12/4
532240 OVER	12/1 To Phila 12/6 To Commun 12/6 RB 1-14 To Norf 12/6 RB 1-14	CO OHIO	Fwds test data in conn with test of shore compass stations. W. To CO OHIO 12/4 RB 2-15 To N.Y. 12/6
532360	12-6	To S&A	Reqst shipmt of radio compass from Phila to Puget Sound W 5438 RB 2-23
532362	12-6	To S&A	Reqst shipmt of radio receivers from Washn to Puget Sd W RB2-8 5441
532363	12-6	To S&A	Reqst shipmt of radio compass coils from M.I. to Puget Sound W RB 6/9 W Pug.Sd.- Rqst authority to withdraw receiver from store. 2/10 W To uget Sd 2-21
534381	12/11	Y&D	Copy of letter to Norf. making addtl allotments covering compass stations in 5th Dist. W.

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.
534393	12/11	Y&D	Fwds specifications covering 4 man barracks and battery charging house at Cape Hatteras. Also remodeling old Coast Guard building and construction of compass house and battery charg ing house at Poyners' Hill Sta. W.
534800	12/14	Y&D	Copy of letter to Post and McCord stating instln of copper screening over partition is to be included in contract for Sandy Hook and Rockaway compass buildings. W.
534794	12/14	Y&D	Copy of endorsement to 9th Dist. aut orizing expenditures for foundations for towers at White Fish Point also furniture and misc expenses at other stations. W.
532240	FROM OVER		Phila. 12/4 W. Phila- Report on test 12/27 W. fwd CO OHIO 2-4-21 fwd Commun 2-24
534342	12-15	To Comdt Puget Sd	Reqst status of stations W Pug. Sd. 12/30 W. fwd Commun 1-7 RRD 1/8
534816	12-15	To Comdt Phila via Y&D	Radio compass project C-70 SE 21 W Y&D- Addtl allotment necessary. 12/16 W Phila- Progress report. 12/21 W. To Phila 1/3/21 Phila 1/11 W.
		Phila- Fwds special report on radio compass project. 1/20 W	

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[OVER.]

DIRECTION FINDERS;

Number.	Date.	From or To—	Subject.	
525930	Mx --	Mare Is	Copy of instructions to BRUCE rel to calibration of Frisco compass sta; W	
526256	10-28	W.G. Ellis	Report on amounts obtainable for radio material at Cape Henlopen and Cape May comp stations; W	
524865	10/16 10/22	Puget Sound Y&D	Furniture for quarters at Radio Compass Sta in 13th Dist; request allotment be made RW	617-1
525730	10/30	To Charleston T Chasn- Subm estimate furn by Western Union Co. 12/4 W. To Chasn 12/13 6th Dist- Subm estimates- 1/11 w fwd Commun 1-25 RB 1-31 fwd Chasn 2-4-21	Furnish information rel procuring land line control wires from Tybee compass to Savannah radio station W Chasn. - Subm report rel to procuring land controlled wireless from Tybee Island to Compass to Sayannah Station. 11/8 W. To Chasn Gives instrns 11-29	
526923	10-25 10-27	Mare Is 12th Dist	Submits detailed comments rel to certain features applicable to all compass stations; W To Comdt MIsland 11-26 11th Dist. 3/2 W.	
528759	9/28 11/10	Norf. 5th Dist.	Request services of freight lighter and motor sailer for a new construction at compass stations. W. fwd Comdt 5th Dist Norf 11-18 RB12/18 W	
		Fwd Dist Norf 12-23 RB 1-13 C&R-Fwds copies of corresp. ? WY		
528799	11/11	Boston Copy	Request PRESTON be directed to report to Dist. Commandant for duty in conn with calibration of compass station. W. Boston- Copy- Request PRESTON complete calibration. 11/12 W To Boston Tel 11-18	

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N.S.E. Form 134.

DIRECTION FINDERS

Number.	Date.	From or To--	Subject.
529391	11/15	Boston Copy	Request PRESTON be detailed at once to calibrate radio compass in 1st Dist. W.
529421	11/15.	Communications To Puget Sd via Y&D 1-24 Pug.Sd. 1/25 W. Y&D- 2/4 W. Fwd Y&D 2/24 RB 2-28 Pug Sd.- Subm,report.5/23 W. fwd Commun 6/21 RB 6/25. W	Fwds reports of investigation with photos, plans, etc of radio stations listed, in Alaska. W. To Puget Sd 12/31 To Puget Sd via Y&D 1/6/21 Pug.Sd. (T)- Recommends repairs to SATURN be expedited. 1/13 W. To Puget Sd Tel 1-14-21
530183	11/18	Dept	Copy of telegram to 1st Dist assigning vessel to 4th Dist. for duty in conn with calibration of compass station. W.
530559	11/16	Pug.Sd.	Request material listed be furn for compass stations - subm estimated. W To Puget Sd 12/1
531055	11;23	Dept 539-8	Copy of telegram to Newport Torpedo Sta directing OBRIEN report to 3rd Dis in connection with calibration of compass stations.W
531081	11;18 11;19	Pug Sd 13th Dis	Ask if compass stations listed are on mailing list for monthly radio report.W
531068	11;24	Comm	Progress report in connection with matl work Comm activities 5th Dis.W fwd Norf 12/1 RB 12/11 W fwd Y&D 12/22 RB 12/24 W

DIRECTION FINDERS STATIONS 1920

Number.	Date.	From or To—	Subject.	
521537	19/29 10/7	Norf/ Y&D	Subm list of work with estimates of various compass stations in 5th Dist. W. fwd Y&D 10/14	
521538	10/7	Y&D	Copy of endorsement to Mare Island authorizing changes in products, fiscal year of 1921, compass stations 12th Dist. W.	
509530	FROM CARD 55		New Orln- Report of placing awards and contracts. 10/7 W. To NO 10/14	
522981	10/7	Mare Island	Copy of letter to Pacf. Fleet requesting Destroyer be assigned for calibration of radio compass stations, entrance to San Fran. W	
523133	10/14	Dept	Copy of telegram to Atlantic Fleet asking what destroyer designated for calibration of radio compass stations. 10/14 W. Atlantic Fleet Copy- WILLIAM B PRESTON designated. 10/15 W.	

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DIRECTION FINDERS STATIONS 1920

Number.	Date.	From or To—	Subject.
523961	10/18	Y&B	Copy of letter to Norf. fwding specifications and tracings forering radio compass work at Various stations. W.
523995	10/18	Norf.	Recommendations covering addtl allowance for calibration of compass station. W.
		Norf- Rqst addtl allowance cov calibration of compass stations. 11/4W To Norf 11/22	To M Norf has had no reports showing the calibra of stations reqd allotment of extra funds 10-26
524696	10-22	To Hydrographic Office	Reqst copies be made of charts showing test of radio compass shore stations M Hydrogarphic Office- Fwds bill for printing charges. 11/19 M Fwd S&A 11/22
524785	10-23	To Pathe News	inform that upon application to Comdt NY will receive necessary perm to take photographs of Sandy Hook etc cc NY W.
525159	10/21	Boston	Plans for North Truro compass station have not been received; have no authority to erect stations on light house reservations, Cape Elizabeth and North Truro. W. To Boston 10/30
525434	10-27	To 1st Dist via Boston	Calibration and check of dist radio comm stas cc Operns- Comms- Boston.
		Bostn- Report of test runs from CO GREBE. 2/18 W. Fwd Operns 10/22	Test practicability of ves for calibration of W Boston- Report on recalibration of compass stations. W. 11/16 Dept- Ask if Bureau desired services of GREBE for compass work. 10/15 W.

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Number.	Date.	From or To—	Subject.	
517497			PATAPSCO left yard to demolish;	
517609	9-15	Phila	Assignment working arcs to radio compass stations; W	
471268	9/10	NY	Fwds reports on radio compass station.	876
518053	9/14	Pug.Sd.	Fwds report on conditions under which Alaskan radio compass sites are being investigated. W	
518342	9/16	Pug.Sd.	Maintenance of-radio compass staion- planting of grass on shifting sand dunes. W.	
518525	9/21	Pug.Sd. Copy	Surveyed compass sites completed; makes recommendations. W.	
518666	9/21	Y&D	Fwds plans for 4 man barracks and transmitters used at four stations in 9th Dist. W.	
518150	9/18	Boston	Request 8 new coil frames of standard design be authorized for instln at radio compass stations in this Dist. W	919

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DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.
519031	9/21	Chasn.	Recommendations for establishment of compass station on Tybee Island. W.
	War Dept	No objection to location of Compass sta at Ft. Screven. 11/9 W	Communications: fwds print of radio compass station, Savannah, Ga; 9-25; W
		To Com t Chasn via Y&D 12/8	To Sect War 9/30
	Y&D-	Copy of action to Chasn. 12/10 W	
519464	9-28	To Boston (T) BELOW	Bureau making arrangements for destroyer start quarterly calibration stations Oct 4th.
	Boston- Copy- Preparations for calibration of compass stations completed 10/7 W.		Boston- (T) Request authority to install standard coil frames at Bar Harbor and Surfside 9/29 W.
7278	To Boston (T) Adv date comp of Dist 10-15		To Boston (T) 9/29 authority granted
510427	FROM CARD 56		Norf- Subm data 9/28 W.
	To H. Ports cc comm-Boston 10-29		To Tropical RT Co 10/4 reqst action in re to service at Burrwood and Pass A Loutre.
	Fwd Dir comm cc Boston 10-29: RB 11-2; W		Tropical Radio Tele. Co.- Report covering expenses to equip Burwood Sta for compass work with new storage battery instln. 10/5 W.
	To Commun correct positions 2/25 RB 5/31 W.		Boston; 10-25; W
			Ports- Two wires from radio station to Main Gate, Ports. yd. have been provided. 11/8 W
			Pug. Sd. Gives correct geodetic positions of stations listed. 2/15 W.
511031	from card 57		To Dept Agriculture. Dept will not locate at Narragansett Pier 9/30
519464		SEE ABOVE (T)	To Dists Ask to report when District calibration complete 10-15 W.
			To H. No 10-27

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DIRECTION FINDERS STATIONS 1920

FILE No.		From or To— (Dated)	Subject.	
515046	8/31	Phila.	Ask if shipt order to be made for charging generators for Cape May and Bethany Beach. To Phila. rel equipment. 9/7	W.
516123	9/8	Mare Island (T)	Compass stations, recommends Mare Island be commissioned by 10/15, in conn with defects of So. San Fran. and Challos Heights, etc	W.
516127	9/4	Boston	Radio compass stations, 1st Dist- Rel to American T/T/Co. running a G-90 circuit.	W.
516185	9/23	Pug.Sd.	Report of inspection of compass stations in 13th Dist. To Comm. comments and re cs 9/13 RB 11/12	W. W
516331	9/9	Boston	Proposed station at Narragansett Pier. Y&D- Copy of action to Boston. 10/18	W. W.
516412	9/10	Boston Copy	PATAPSCO to dismantle radio compass stations at Cross Island and Damascove.	W
517162	9-10	Mare Is	Gives geodetic position;	W

NB—0120

DIRECTION FINDERS STATIONS 1920

Number.	Date.	From or To—	Subject.
513271	8/23	Y&D	Copy of letter to Boston rel to constructing buildings at various compass stations. W.
513316	8/19 fwd Y&D 10/15 RB 10/21 W To MI tres appvd cc Yds & Docks 10-29	Mare Island	Ask what action has been taken on contemplated work, present fiscal year. W. Mare sland- Request approve transfer of truck. W. 10/5
505258	from 54 Pug.Sd.- report with chart showing compass site at Cape Ommaney. 9/24 W Pug.Sd.- report covering investigation of Cape Spencer with prints. 9/25 W Pug Sd- Report cov investigation of Cape Chacon with prints.9/25 W Pug.Sd.- Subm reports covering investigations of radio compass sites. 9/21W		To Secty- concurs reqst despatch. recommends Puget Sd be instruced to arrange for E.T. Jones accompany party making survery of compass locations W 8/24 To Puget Sd(T) 8/23 Pug.Sd.- Reports on investigation of Akaskan compass station sites. 9/17 W Pug.Sd.- Report on investigation with chart, showing site at Muzon. 9/24 W.
513145	8-24	To N.Y.	Confirms phone conversation rel gas engine generators contract 40638 with Trant & Conover auth release complete shipmt. W
		See 513612	
513162	8-26	To Comdt 9th	Auth draw froom store Great Lakes equipment for Detour Point, and Whitefish Pt. W Coast & Geodetic Survey- 11/6 W.
511031 59	8/17 To Boston(T) 9/8 Boston- (T)- Report mailed 9/9 9/10 W	To Dept Agriculture	Reqst assignment of property at Narragansett Pier to Dept for radio station W Dept Agriculture-Grants use for indefinite time. Cannot make permanent transfer. 8/7 W
513700	8/19	S&A	Request complete list of radio stations W. xxTexxtenxTxxx9/8
514011	8/20 8/26	Norf. Y&D	Radio compass stations in 5th Districts Subm list of projects to be undertaken. W. fwd Y&D 8/x31 Y&D 9/3- Copy of action to Norf. W.

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DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.	
		see 513162		
513612	8-27	To Coast & Geodetic Coast Geodetic Survey 8/21 Will do work.	Lists stations ready for operation. Reqst establish meridian and geographical position W	
			To Puget Sd. gives fwds letter from C&G rel positions of radio comp stations on Pac Coast 9/10/20	
			To Puget Sd. C&R have assigned officer 11/11	
513611	8-27	To Puget Sd	Expedite work all possible rel stations listed above.	W
514420	8-31	To Communications	Fwds radio compass reports.	
514429	9-1	To S&A	Reqst shipment from Phila to Great Lakes radio compass for station Grand Marias. 9th Dist. 10/12 W. To Comdt 9th Dist 11-13	W
514659	8/26	PCCS	Fwds itinerary of radio compass surveying expedition. W.	
514746	8/28	Great Lakes	Fwds blueprints showing property required by Navy, from Light house Board, at Deaut, Thunder Bay, and White fish Point, for radio compass station. W.	
514865	9-2	To S&A	Reqst shipkt from Norf to Great Lakes. W RB 10/22 W	
514430	9-2	To S&A	Reqst shipmt from Wash to Great Lakes W	

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DIRECTION FINDERS STATIONS 1920

Number.	Date.	From or To—	Subject.
510428			
510427	8-11	To Comdts IM's	Radioccompass stations correct geodetic position of. Reqst fwd data/ W
TO CARD 59	N.Y.- Notices decision. 8/28 W N.Y.- Mantoloking. 8/28 W New Orln- 9/3 W. Phila- 9/8 W.		Key West 8/17 W. Pug.Sd.- Recommends matter be taken up with Coast and Geodetic Survey 8/20 W.
	To Comdt Boston outlines policy which will be put into effect 9/1 Phila 9/17 W		Boston- Gives correct geodetic position of compass station. 8/24 W.
509541	8-11	To Comdts	Quarterly inspection report of stations.
	Key West-T-can send subchaser with 1/2 kw set to Jupiter-9:8-W To Key West(T) rel subchase 9/9		Reqst more info be fwded with report W. Key West 8/18 W. To Key West- reqst calibration 9-1
510447	8-12	To Comdt Boston	Fwds Coast Guard report for comments. stations SIASCONSETT and SURFSIDE. W RB 9/1.
511254	8/12.	Y&D	Copy of telegram to 9th Dist. authorizing work at various compass stations. W.
511010	8-12 To Puget Sd 10/18/20	To Comdt Puget Sd	Radio compass stations EMPIRE commun lines to MARSHFIELD. WK Pu.g.Sd.- Fwds copies of letters from COOS & CURRY in conn with communications lines to Marshfield station. 10/8 W.
511024	8-14	To Comdt Coast Guard	OCEAN PARK ILWACO BEACH WASHINGTON- Reqst permission to construct bldgs., W Coast Guard- Permission granted. 9/10 W. To Comdt Puget Sd 9/23
511021	8-13	To M.I (T)	Make survey for station CYPRESS POINT submit complete report and estimates at once. W
TO CARD 65	To M. Island Tel 1-7 Mare Island 1/31 W To M.I. 1-8-21(Pt Sur)		Mare Island- Fwds recommendations on proposed site at Cypress Point. 9/11 W
511595	8-16	To Comdt 9th Dist(T)	EAGLE HARBOR/GRAND MARIAS ~~sites approv~~ Have rep confer with Supt LH Detroit who will give final decision on WHITEFISH DETOUR and THUNDERBOY Shipt of matrl reqst will be expedited W
511600see 919			

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DIRECTION FINDERS: STATIONS 1920

Number.	Date.	From or To—	Subject.	
511602	8-17	To Comdt M.I. via Y&D 12th Dist; fwds request of Bird Is Coomp Sta for Ford car; 10-29; W RB 12/7--To Yds & Docks Gives instrns 10-29 Y&D 11/19 To Comdt M.I. 11-26 Fwd Y&D 12/8 RB 2-11	Authorized projects in conn w fiscal year 1921, stations 12th Dist. To M.I. via Y&D- rel IMPERIAL BEACH 9/30 Y&D- Copy of action to Mare Island. 10/4 W. Y&D; copy of action to Great Lakes; 11-1;	W W
512624	8/19	Y&D	Copy of endorsement to Mare Island giving outline of work authorized projects in 12th Dist. W.	
512708	8/18	9th Dist.	Copy of letter to Dept stating Harbor Tug 54 will be commissioned for use in conn with transportation of material, compass stations Great Lakes. W.	
512993	8/17	Pug.Sd.	Radio compass stations- reports on; rqst allotment $1700. for drilling well at Dungeness. W. To Puget Sd via Y&D- modification of project 8/31	
506364	from 54	Shipt from Boston to GL keys for Detour Pt. serial 4600 10/1 RB 10/23 W Shipt fro Boston to GL keys for Grand Marias 10/1 B 10/23 W. Fwd Comdt 9th Dist 10/13 9th dist. Monthly progress report 12/1 W To Comdt 9th Dist 12/10appvl	To Comdt 9th Dist- advise action taken rel reqst for lists of required furniture 8/23/20 Great Lakes- Fwds list of furniture. 8/30 Great Lakes; fwds plans; 9-13; W 9th Dist- Request action. 9/24 W. 9th Dist. 9/24 W. 9th Dist. 9/28- report on allotments. W. Shipt from Bos to to Great Lakes for Whitefish Pt. serial 4594 10/1/20 RB 10/23 W	W
512821	8-23	To S&A	Reqst shipmt of Delco gas engine from FSB to Puget Sound RB 1-17-21	W

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DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.	
508245	7/27 7/28	Norf. Y&D	Recommends all items of work authorized radio compass stations.5th Dist be done by Bureau contract. W.	
508276	7-29	To Boston(T)	Expedite drawings showing desired locations for barracks at compass stations 1st Dist.	W
508281 RB 9/25 W--To Im Norf via Y&D Y&D-copy of action to Norf-8;5-D Y&D-copy of action to Norf-8;3-W Norf- Rqst copy of letter 7/30 9;1 W To Norf. fwds 9/9	7-30 Rqst same action be taken with prints as outlined 8-4	To Norf via Y&D	Radio compass stations Hog Island and Cape Hatteras, construction of barracks at. W To Norf via Y&D. remodeling of building at stations at Cape Lookout and Poyners Hill W 7/30 Y&D- Fwds prints of Coast Guard reservation at Hog Island and Cape Hatteras. 8/20 W	
508286	7-31	To Dept Commerce	Fwds copy of proposed location of radio compass stations at Tatoosh Is Smith Is New Dungress Cattle Pt Pt Hueneme Pt Fermin. W	
508831	7/27	Pug Sd.	Semi-monthly radio compass report. W.	
508669	8-3	To Coast Guard	Radio comp stations, GRAND MARIAS MICHIGAN and WHITE FISH PT MICHIGAN. Communication lines connecting. W Coast Guard 9/3 , W Coast Guard- Rqst transfer of $1500- 4/22 W Fwd S&A 5/2	
508675	8-4	To Coast Guard	Rqst auth to erect quarters at Station to W Coast Guard- Fwds prints showing Coast Guard lot at Brenton's Point. 8/11 W	

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DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.
508677	8-4	To MI (T)	Bu contemplates constrns compass Stations Alaska adv if Dunklee available immedy for tem duty PS to conduct survey W.
	To Sec. 8/11	RB 8/18 W	Mater Island - (T) Radio Inspr Dunklee available for Alaska Investigations. 8/5 W.
	13th Dist- (T) Request arrange for transportation of 40 to survey compass sites. 8/16 W.		To Puget Sd(T) 8/6
			Pug.Sd.- (T)- W.E. White and E. T. Jones will accompany party making survey. 8/7 W.
509531	8-6	To Comdt Puget Sd	Radio compass st tions 13th Dist. auth projects in conn with W
			To Boston Concurs with recomdns auth abandonment and cancel of project 9-29
509530	8-6	To N.Orlns	Radio compass stations 8th Dist. W
	New Orln-Lists improvements nec at Pass -A - Loutre. W. 9/18		F&D- Copy of action to Pug.Sd. W 8/12
TO CARD 60	To IM NO disapprvd 9-29		New Orleans; request auth for transfer of belt driven generator to Pass-A-Loutre Sta; 9-14; W
510206	8/6	Boston (T)	Request authority to draw vacuum tubes from store for issue to compass stations. W.
			To Boston (T) granted 8/9
510238	8/5	Boston	Authorized projects in conn.with shore radio compass stations in first District, fiscal year 1921- fwds prints with detailed report covering. W.
510328	8;2	Pug Sd	Radio inspection report of progress.W
510325	8;5	Grt Lakes	Request report on calibration radio stations.W
509532	8-10	To Director Commun	Report of Coast Huard communica io facil at Sault St Marie Mich. Fwds W

DIRECRION FINDERS STATIONS

Number.	Date.	From or To—	Subject.	
506142	7/14	Pug.Sd.	Semi-monthly radio compass report- fwds. W.	
505258	7-19	To Comdt Puget Sd	Lists stations recently approved by Dept for establishment of radio compass stations on coast of Alaska, to be used primarily as an aid to navigation. Reqst advise various shipping companies interested, also include in next fiscal year's estimate estimate covering compass stations at St. George or St Paul Island. W copy to Comm PCCS MI C-C Pac Fleet Communications 7/20 W.	
57		Pug.Sd. 8/13 W 13th Dist-Copy- recommends Luckel and White proceed without Dunklee. 8/23 W Pug.Sd-Copy- Rqst travel orders for E. J. Jones, Carpenter. 8/23. W. DNC- Copy of instrns 13th Dist. approvinng sending Luckell and White in advance. 8/24 W.	Pug.Sd.- (T)- Transporaation no recommended. 8/2 W.	
506074	7-20	To Oprns via Com	Radio compass stations- ~~permanent assignmt~~ of desty in conn with W	919
506066	7-20	To Comdt 5th Dist via Communications	Radio compass stations 5th Dist assignment of airc for transportation of radio personnel to W copy Com RB 8/9 fwd Norf 8/11 RB 8/23 W.	
506069	7-20	To Y&D	Radio compass- quarters for radio compass stations. Reqst expedite plans for W Y&D 7/22 W	
505029	7/15	To Norfolk	Reqst compass stations 5th Dist authorized projects in conn with for year 1921. W	919

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Number.	Date.	From or To—	Subject.	
507109	7/22	Y&D	Sites for radio compass stations in first Dist are nearly all still undetermined.	W.
507172	7/23	Y&D	Copy of letter to Norf stating revised vandykes of drawings, compass stations 5th Dist. wbll be fwded. W.	
506364	7-23	To Comdt 9th Dist.	Authorized projects in conn with fiscal year 1921.	W
RB 8/17--		To Y&D via S&A- rel furnisture 8-6	Y&D- Copy of action to 9th Dist. 7/28 W	
		To Comdt 9th Dists- action being taken. 8-6	9th Dist- Gives action being taken. 7/28 W.	
56		9th Dist-Rqst approval of radio comp station work. 8/12 W.	9th Dist- Fwds plans and specifications for compass house. 8/2 W.	
507563	7/24	Y&D	Copy of letter to Phila. giving instrns rel to constrn work at Cape Henlopen and Bethany Beach. W.	
507697	7;26	Y&D	Copy of letter to Chasn authorizing projects radio compass stations fiscal year 1921.W	
507753	7-26	Phila	Submits report on work on 4th Dist radio compass stations; W	
507992	7/19	CO	Report on radio compass bearings for shore stations received by OHIO W	323-6
508080	7;21	M IS	Fwds special report on calibration of certain stations in 12th District.W	

DIRECTION FINDERS STATIONS 1920

Number.	Date.	From or To—	Subject.	
503774	7/1	Mare Island	Progress report, compass stations 12th Dist. W To Communications- stations which are readdy for operations Lists 7/8	
502991	7/7	To Comdt 9th	Radio compass stations sites outlined in letter of June 21st authorized W	919
504044	7/7	P C C S. Copy	Recommendaations covering location of radio compass stations at Cape Spencer, and Cape Bingham and other capes on West coast. W PCCS- Copy- Recommendations cov compass station sites? 7/8 W.	
504217	7/8	P. C.C.S. Copy	Gives geodetic positions of various compass stations. W.	
504504	7/9	Communications	Subm recommendations covering survey of radio compass stationes in Alaska. W.	
504500	7/9	Norf.	Recommends stations listed be provided with subscription of Popular Mechanics and Saturday evening Post. W. To Nav. appvl and disapproval of recs 7/15 Lists stations To Norf. fwds showing action taken 7/17	
	Navigation - Subsrciptions placed for Popular Mechanics and Saturday Eve. Post. 7/28 W			
504539	7/10	Y&D	Copy of letter to Pug.Sd.making allotment covering completions of compass stations in 13th Dist. W.	
502983	7/8	To Comdt Coast Guard	Communication and control lines for outlying radio and compass stations in the 3rd Dist construction of- Reqst action copy to IM NY W	704

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N.S.E. Form 134.

DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.
504040	7-13	To Dept Commerce	Reqst auth to locate radio and radio compass stations on Lighthouse reservations on Great Lakes. Lists. Fwds prints, reqst return of same W
		~~To Dept Commerce~~ Great Lakes- No enclosure. 9/4 W.	Dept Commerce 7-22 W
		Dept of Commerce- Grants authority. Fwds correspondence and maps 9/9 W	Dept of Commerce- Grants permission at certain points. 8/23 W.
		To Comdt Great Lakes 9/23	To Comdt 9th Dist. reqst expedite 8-30-20
			9th Dist- (T)- Report mailed today. 9/4 W
			To Dept Commerce. Fwds prints. 9/6
505059	7/13	Y&D	Copy of letter to N.Y. authorizing constrsn of radio compass house at Long Beach and double barracks at Sandy Hook. W.
505060	7/13	Y&D	Copy of letter to Boston authorizing constrns at stations listed. W.
505990	7/16	Norf.	Subm report on condition of shore and compass station, 5th Dist. W.
505991	7/16	Norf.	Subm report covering assistance rendered by Coast Guard personnel shore and compass stations 5th Dist. W.
			To Coast Guard 7/29
			Coast Guard 10/6 W.
505992	7/16	Norf.	Calls attn to excellent cooperation of Destroyer CHAS OUSBURNE in conn with calibration of radio compass statios in 5th Dist. W.

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[OVER.]

DIRECTION FINDERS STATIONS.

Number.	Date.	From or To—	Subject.	
501508	6/18 6/23	1st Dist. Bost	Request spare receiver be supplied to each compass station. W.	
501289	6-25	To Y&D	Radio compass barracks- plans for- Reqst subm to Asst Sec for approval. W	
501291	6-25	To Operations	Reqst assignment of destroyer to 4th Dist for calibrating radio compass stations W	
501720	6/17 6/25	Pug. Sd. Y&D	Construction of radio stations in 13th Dist- Subm report covering, with estimates necessary fwding photos. W.	
501670	6-26	To Secty	Communication and control landline circuits for outlying radio and compass stations in the 3rd Dist. Subm data, if desirable reqst authority to start constructions W RB 6/30 W.	
501388	6/26	Dept	Copy of telegram to Atlantic Fleet detailing one Destroyer to report to 5th Dist. temporary duty in cbnn with calibrating comp stations. W.	
502032	6/28	P. C. C. S. Copy	Request inform as to recommendations being made for Alaskan radio Comp Sta. W.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
501297	6-28	To Coast Guard	Auth reqstd make use of Coast guard reservations for barracks for compass personnel W To Coast Guard- rel radio compass Va Beach. 9/1
502320	6/29	Dept	Copy of telegram to Atlantic Fleet directing Destroyer report to 1st Dist for temporary duty in conn with calibration of radio comp station. W
502607	6/30	Y&D	Progress report radio compass stations, 12th Dist. W.
502608	6/25 6/30	4th Dist. Y&D	Comp stations at Bethany Beach- Lewes and Cape May. Fwds recommendations with print, covering new construction. W.
502699	7/1	Sa Diego Copy	Recommendations for radio compass stations sites. W.
502790	6/24 7/1	Pug. Sd. Y&D	Subm estimated cost of cable, compass stas in 13th Dist. W. fwd Y&D 7/7 copy Puget Sd
503487	7/1	Pug. Sd.	Request radio compass stations listed be placed on mailing list for monthly radio bulletins. 7/1 W.

DIRECTION FINDERS-STATIONS 1920

Number.	Date.	From or To—	Subject.	
498268	6/1	Mare Island	Progress report, radio compass stations, 12th Dist.	W.
498328	6/2 6/8	8th Dist. Communications	Comments in conn with date of placing in operation, 8th Dist. Compass Sta. Fwd Com 6-17	W.
497855	6-9	To Boston (T)	Bur rep will be in Boston to inspect radio compass stations in immediate vicinity of Boston period make necessary arrangements to expedite this work W	
498987	6/10 ?	PugSd. Y&D	Request $10,000 to cover compass stations. W. Fwd Y&D 6-12	
499573	6/11	Boston	Request for authority for Experimental work in conn with shore radio compass operation. W To Anacostia 5/20	
500623	6/17	9th Dist.	Will subm reports on investigation of radio compass sites within a week. W	

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N.S.E. Form 134

Number.	Date.	From or To—	Subject.	
500782	6/16	Mare Island	Progress report, radio comp stations, 12th Dist. W.	
492065	6/15	To Sec, via com	Summary: concurs in policy outlined - RB, approving expenditure of $93,000 cov establishment of radio comp stations in Alaska. 6/22. W	919- 1
500871	6/21	Communications	Recommendation covering establishment of radio compass stations on Great Lakes.	W.
500833	6/17	Pug·sd.	Progress report on radio comp stations.	W.
499564	6-22	To Comdt MI	Radio compass stations- 12th Dist. Compliments M.I. upon completion, results obtained calibration of San Francisco Harbor entrance troup. W	
501168	6/21	9th Dist.	Recommendations in conn with constrn of buildings at stations, by public Works Office Great Lakes and not by contract. W 9th Dist- Fwds report on proposed site of Eagle Harbor Sta. 6/22 W. 9th Dist- Report on proposed site for Salt St. Marie. 6/22 W. 9th Dist- Report on proposed site for Manistique Sta. 6/22 W 9th Dist- Report on proposed site for Grand Marais Sta. 6/22 W. 9th Dist- Report on proposed site for Whitefish Point sta. 6/22 W. 9th Dist- Report on proposed radio comp sta Thunderbay Island 6/21 W	

9th Dist- Report on proposed radio compass station, Devil's Island. 6/21 W

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DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.	
449009	FROM CARD 36		Pug. Sd.- Semi-monthly report.-progress. 5/14 W. Pug. Sd.-Semi monthly report. 6/12 W Pug. Sd. - Semi-monthly report. 6/25 W Pug. Sd. Semi monthly report. 8/6 W Pug. Sd.- Fwds vandykes. 8/20 W. Puget Sound; 9-8; W Pug. Sd.- Semi monthly report. 10/8 W. Pug Sd. 9/21/20 Fwds radio compass report W	
495199	5/18	Mare Island	Copy of letter to Pac. Fleet requesting assign Destroyer for calibration of compass stations listed in 12th Dist.	W.
495200	5/15	Mare Island	Progress report, compass stations in 12th Dist.	W
495260	5/17	Pug. Sd.	Monthly progress report, radio compass stations Pug. Sd. Dist.	W
494920	5-22	To Chasn (T)	Bur representative Monday to inspect compass stations of 6th Dist. W	
494922	5-22	To Comdt 9th Dist	Bur rep will inspection of sites for radio compass stations 9th Dist. W copy Comm	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
496805	5/24	Pug.Sd.	Fwds semi monthly report radio compass.	W
497472	5/29	Pug.Sd.	Fwds report with prints and photos cov radio compass station in vicinity of Port Angeles, Washington.	W.
497474	5/28	Mare Island	Fwds report of test of SF. entrance group of radio compass stations. To Communications- fwds 6-8 RB 6/16 W	W.
498074	6/2	Pug.Sd.	Radio compass station locations, Pacf.Coast.- Fwds prints.	W.
498068	6/1	Pug.Sd.	Progress report on radio compass stations.	W.
498214	6/2	Mare Island	Copy of letter to CO GILLIS giving instrns rel to calibration of radio compass station in 12th Dist.p	W.
498222	6/4	B. Gero CANCELLED	Are willing to deed to Govt, piece of	
SEE 1019	To Comdt	9th Dist. ~~Instructs~~ 7/22	ground fronting on Lake Michigan for radio"	
MANISTIQUE	rel MANISTIQUE MICHIGAN station.		Compass Station.	W/
QUE sta.at	9th Dist-Subm	data regarding property	To B.Gero- pending return of Bur rep, no	W
	Manistigue. 8/11	W.	action be taken 8-18	
498291	6/7	Burpp Forces Copy	British Admiralty have presented for payment, bill covering construction and building of apparatus, direction finder station at De-Mullet, Holldan; request inform in conn with	787

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DIRECTIONS FINDERS STATIONS 1920

Number.	Date.	From or To—	Subject.	
489566	4/17	Mare Island	Copy of letter to Pacific Fleet giving instructions covering proposed test of San Fransisco group of Comp Stations. fwd Com 4/26	W
489564	4/19 4/19	Pug.Sd. 13th Dist	Request radio stations listed be placed on mailing list for monthly radio report To Cdt 13th Dist. Puget Sd. asks advise when stations placed in commission for reports 4-30	W.
489694	4/20	Pug.Sd.	Subm report on radio compass stations.	W.
490172	4/27	Y&D	Status of completion of radio compass stations in 12th Dist.	W.
490240	4/27	Norf	Request two stg batteries be furn for use in conn with Simplex Circuits between Cape Hatteras and Cape Lookout Compass Sta. To Norf.- Authorizes withdraw from store, 2 batteries. 5/4	W.
490593	4/29	Chasn. Copy	In conn with recalibration of North Island and Morris Island Comp Stations.	W.
492065 63 card	5-8 To Sec via Com. concursin policy 6-7 To Sec via Com- summary- concurs in policy outlined 6-15 Recd.Back, approving expenditure of $93,000 cov establishment of radio comp stations in Alaska, 6/22. X 91911 W.	To Director Communications	Information reqstd as to establishment of radio compass stations at our outlying possessions. Reqst subm tentative locations to Bureau. W. To Secty via Com 11-20/20 Communications- Gives policy in regard to establishment of compass stations in outlying positions. 5/25 W Communications- Dept has authorized.12/15 W	RS 12/16

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
491607	4/27	Mare Island	2 KW gas engine generator sets in store at MI are not required at any compass stations in 12th Dist.	W
491726	4/30	Mare Island	Copy of letter to CO MEADE in conn with test of radio compass stations, San Francisco group.	W
492327	5/1	M Is	Progress report radio compass stations 12th Dist - W	
491430	5/5	To Norf (T)	Bur reps will be in Norf 5/10 to inspect radio compass stations Desire have Hog Island inspected first W	919
493476	5/13	Y&D	Status of work on radio comp stations, 12th Dist.	W.
493437	5/13	Communications	Calls attn to unsatisf. calibration of radio compass stations in 5th and 6th Dist. by BARKER & MORIS.	W.
	Chas - submits report. 5/21		To Cdt Charleston - reqst report 5/18	
	Norf - Recommends Hog Island and Cape Henry stations be recalibrated. 6/3 W		To IM Norf reqst rept 5/18	cc Com
493919	5/10	Pug Sd.	To Operations rel assignment of 2nd desty Progress report, radio stations, Pug Sd. Dist.	-6/23 W.

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DIRECTION FINDERS STATIONS

1920

Number.	Date.	From or To—	Subject.	
464310	4-6	Norf	Outline of radio work Cape Henry radio compass sta; W	604
464310	4-6	Norf	Outline of radio work Hog Is radio compass sta; W	604
486518	4-13	To Comdt Puget Sd	Reqst fwd reports covering locations of SLIP POINT, WESTPORT CAPE ARAGO SMITH ISLAND W Pug.Sd.- Give geographic location of Compass station, 13th Dist. 6/1 W.	
486965	4/5	Mare Island	Progress report, radio compass stations, 12th Dist.	W.
487255	4/13	Phila.	Subm report on calibration of radio comp stations in 4th Dist. W. To Comm. fwds print 4-19	
487656	4/15	Y&D	$26,500 addtional will be required to complete compass station in 13th Dist.	W.
487173	4-15	To IM N.Y. (T)	Bureau representatives will make inspection of all radio compass third district- those Long Island first make arrangements expedite W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
487766	4/15	Norf	Subm list of list of work and material necessary for completion of Simplex Telegraph system from Cape Henry to Hog Island comp Stations. To Norf- Informed work completed; material rqsted for no approved. 4/28 W.	W.
487762	4/13	New Orln	Fwds error curves for radio comp stations.	W.
488009	4/8	Mare Island	Request authority to issue wave meter to radio compass stations listed. X893-4. To Cdt M.I. does not approved issuing of wave meter to each radio compass station 4/26	W.
488039	4/12	Pug.Sd.	Fwds semi-monthly radio compass report.	W.
488641	4/20	Y&D	Subm extract from monthly report, radio compass stations, 12th Dist.	W.
488805	4/14 4/21 To Puget Sd (T) 4/23 fwd Y&D 4/26	Pug.Sd. Y&D	Subm request for addtl funds for construction of radio compass stations in 13th Dist. Pug.Sd.- (T)- $8,500 should cover appropriation charges due to increase in over head rate. 4/24 W.	W.
489505	3/23 4/8 Coast & Geodetic Survey-Representative will establish Geographical position of radio Comp Sta at Fog Hill Island. 4/29 W. To Comdt 15th Dist- rel location 5/8	Coco Solo 15thDist	Recommends establishment of compass station on Pacific side of the azimuths. To Supt. Coast Geodetic Survey- Rqst establish Geographical location of comp house: rqst communicate with commandant, Bost. 4/28 W Fwd, Director Nav.Comm. 4/28 W. RB 5/5 W	A.

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[OVER.]

DIRECTION FINDERS STATIONS

Number.	Date.	From or To—	Subject.	
481183	3/13	To Cdt. Phila.	Request copies of radio compass bulletin #1, be fwded by March 20th. Phila- fwds radio comp bulletin #1. W 4/6	W.
481192	3/13	To Cdt.Pug.Sd.	Authorizes dials from Mare Island for radio compasses to be installed in 13th Dist. Pug.Sd) Rqst prints be fwded. 3/7/21 W. To SO pug Snd. Gives Inform re app cc pug Snd 3/16	W.
481831	3/10	Mare Island	Copy of letter to CO GILLIS giving instrns covering calibration of radio compass stations in vicinity of San Francisco.	W.
482818	3/15	Pug.Sd.	Fwds progress report, radio comp stations.	W.
482967	3/14	12th Dist	Recommends Bird Island Station be placed in commission of other stations. fwd Naval Comm 4/1	W.
483350	3/15	9th Dist	Quarters for operaters and receiving quarters proposed radio compass stations- fwds print and specifications.	W.
484412	3/24	Mare Island	Progress report, radio comp stations, 12th Dist.	W.
484258	3-30	To IM Norf	Radio compass stations, 5th Naval District. $800. authorized. W Norf- request one unit of reserves be shipped stations listed-8:6-W To Norf. auth 8/11 Norf-Subm estimate. 8/19 W Norf- Instln of control keys and telegraph instruments close to operator, essential 8/17 W To Norf. 8/24/20	
484260	3-31	To Communications	Lists stations completed, radio compass- W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
428356	FROM CARD 18		Chasn.- Status allotments, North Island and Morris Island - recommends increase for. W.3/29 Chasn- Annual maintenance allowance, Morris Island Comp Sta-should be increased. 3/29 W. To Comdt Chasn- $500.00 N.Island $300 Morris Island 4-10	
485944	4/1	Pug.Sd.	Progress report, radio comp sta.	W.
486174	4/7	New Orln Copy	All stations in 8th Dist calibrated.	W.
486259	4/7	Norf	Request authority for over time work, W. E. Bowen and J. T. Owens, in conn with calibration of radio compass stations in 5th Dist. fwd Sec 4-10 R B 5/1 - W fwd Secty --no date 5/3	WK
486091	4-10	To C&R	Assignment of motor boats-radio compass stations. Reqst 40' motor sailing launch be assigned to CAPE LOOKOUT 20' dory HOG ISLAND, W C&R- Copy of action to Norf. & New Orln. 4/14 W	

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[OVER.]

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DIRECTION FINDERS BAR HARBOR RADIO COMP STA

Number.	Date.	From or To—	Subject.	
484969	3/31	Bost	Quarterly inspection report	W.
527152	11/1	Boston	Quarterly inspection report. W.	
		1921		
541195	1-20	To S&A	Reqst shipt from Wn to Bar Harbor of protec devices W Canc of 5981 1-22 6013 To Boston rel shipt 1-24-21	5981
541779	1-22	To S&A Otter Cliffs -Copy of action to Bost. 3/25	Reqst shipmt of devices from Boston to Bar Harbor W S&A 3/18 W. To Otter Cliffs Reqst inform 3/22 Boston 4/1 W.	6015
544249	2/1	Boston	Quarterly inspection report. W.	
576691	7-26	To S&A	Reqst shipmt of radio matrl from Wash, to Otter Cliffs Bar Harbor W 8288 RB 8/8 Amendment of 8/2/ 8362 RB 8/20 W. Amendment of 8/9 8420	W/
595059	11/8	Boston	Quarterly inspection report. W.	

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N. S. E. Form 134

DIRECTION FINDERS BAR HARBOR RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.
623470	5/27	To S&A 300	Regst shipment of battery charging unit from Norf to O-I-C Bar Harbor W
630602	6/29	Boston	Copy of report of inspection. W.

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[OVER.]

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
435158	FROM CARD 24		Norf. Request destroyer be detailed for calibration compass sta. 5th Dist. 2/26 Boston- Ask if Destroyer will be assigned. 2/27 To Operations 3/2 RB 3/8 To Cat Boston 3/2	
479662	3/4	Communications	Recommends some reliable auxiliary means of communications be established at important radio compass stations.	W
479884	3/2	New Orln	Request allotment of $550 be made covering finding latitude and longitude of Compass stations listed To N.Orleans 3/6	W.
480569	3/2	Mare Island	Progress report, Compass Station, 12th Dist.	W
464310	---	Great Lakes	Lists stations which should receive radio compass stations;	604

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
480652	3/4	Pug·Sd.	Monthly progress report, radio comp sta.	W.
480835	3/9	Communications	Recommends separate telegraph line be established between Cape Hatteras and Cape Look Out Compass stations.	W.
480329	3-10	To Boston	Radio Compass Stations- Calibration of - Assignment of Destroyers for this duty. W Reqts work be completed by April 1st.	
480330	3-1 0	To I.M. Ny	Radio Compass Stations - Calibration of- Assignment of Destroyers for duty. Reqts work be completed by April 1st. copy to Phila. NY - all compass stations calibrated, with exception of Fire Island - 3/17	
480331	3-10	To I.M. Norf	Radio Compass Stations - Calibration of. Assignment of destroyers for this duty. Reqts be completed by April 1st. copy to Comdt Chasn. W	
480332	3-10	To Coast Guard	Radio Compass Station, Fourth Cliff, Mass. Coast Guard Station #28. Status of. Advise when the property desired by coast Guard will be Acquired. W	919-19

DIRECTION FINDERS. 1920

Number.	Date.	From or To—	Subject.	
474805	2/2	Mare Island	Progress report, radio comp stations in 12th Dist. 12th Dist- 3/2	W.
474808	2/2	Mare Island	Fwd s report on radio compass equipt for instln in 12th Dust. To MI (T) 2/13 To Cdt Phila 2/13 (rel to shortages in shipmt of compass equip.mnt)	W.
464310	2/3	To N.Y.	General comments on radio compass stations in 3rd Dist;	604
475170	2/9	Dept.	Copy of telephone conversation with 3d Dist in conn with probable completion of calibration of radio compasses by O'BrIEN.	W
475273	2/6	Pug.Sd.	Progress report, compass station in vicinity of Pug.Sd.	W.
475788	2/11	Phila.	Subm request for addtl maintenance funds, Compass stations listed. To Cdt Phila- increase of maintenance allowance from 500 to 600 2/18 Bethany Beach- asks more info re Cape Henlopen. 2/18 Phila- Request addtl allotment of $200. 2/24	W.

N. S. E. Form 134.

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Number.	Date.	From or To—	Subject.	
477857	2/20 2/24	M Is Y&D T	Reqst increase overhead additional allotments to complete radio constrn under way at radio compass stations listed in 12th Dist-WK Y&D - 3/3 To Y&D 3/5 Y&D- Copy of action to Mare Island 3/6 To Y&D 3/8	
477735	2/16	MI	Progress report, Comp Stations 12th Dist.	W.
477814	2/18	Pug.Sd.	Semi-monthly progress report on radio comp stations.	W
478275	2/21	Pug.Sd.	Request latitude and longitude of Coast Guard station in 13th Dist be taken by Coast Geodetic Survey. To Sup C&G Survey Wash 3/2 copy Puget Sd and Mare Island W Coast & Geodetic Survey- 3/5 Mare Island 3/22 W To Comdt M.I 3/31 Pug.Sd.- No action taken to establish north and South lines of statio s in Dist.8/18 W	W.

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DIRECTION FINDERS 1920

Number.	Date.	From or To—	Subject.	
468577	1/10 1/12	Pug.Sd. T Y&D	Subm estimate of addtl funds required for contruction of compass stations, at Ft. Stevens and Cape Arago. Fwd Y&D. 1-14	W.
468612	1/7	Pug. Sd.	Subm semi-monthly progress report on radio stations.	W.
468941	1/8	Pug.Sd.	Fwds semi-monthly radio compass report.	W.
470112	1/16	9th Dist.	Copy of letter to Y&D requesting copies of plans and specifications of buildings in 9th Dist for radio compass stations.	W.
470279	1/10 1/19	Pug.Sd. Y&D	Fwds report of R. J. Driscoll covering inspection of proposed radio compass sites in 13th Dist. Also fwds photos.	W.
470600	1/10 1/20 Y&D 2/4	Pug.Sd. Y&D	Radio comp Stations at Ft. Stevens and Cape Arago. Subm request for addtl funds covering constrn of. Fwd Y&D. 1-22 Y&D-1;26	W.
471234	1;22	Y&D	Understand Bureau has received monthly progress report on radio compass stations in 12th District.W	
471409	1;23 To New Orl (T)- 1-24 New Orln. (T)- Ask when engineer may be expected. 2/5 To N.O. (T) 2/7 NO- (T)- Engineer reported 2/12	N. Orleans T	Coast and Geodetic representative at N Orleans in connection with radio compass stations unable to perform duty- request another engineer be detailed.W	

N.S.E. Form 134.

919-1: DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
471847	8:14 1:20	M IS Pug Sd	Radio compass stations at Tatoosh Island and Ozett Island-fwds detailed correspondence in connection with. Fwd Com 2/6 RB 2/10	
473116	1:28	9th Dis	Request information in connection with plans for radio compass stations.W	
447118	FROM CARD 35		Key West- (T)- Request addtl allotment of $400 labor, and $500 material, covering compass house for Jupiter. (X Jup·Sta.) 2/7 Key West- Request authority to issue transfer orders to F. C. Brown to Jupiter, Fla. in conn with compass Station.X635 2/6 Key West- Request authority to issue transfer orders to Gunner A. G. Bullock, in conn with Compass Station, Jupiter. 2/6 To Key West (T) 2/9/20 Fwd S cty (reqst of K.W. for travel orders to F.C. Brown 2/11 Key West- Request allotment of $1,000 be authorized for Jupiter Station. 2/10 To Cdt Key West- allotment made. 2/18 Key West- Request addtl allotment of $500 for completion of compass instln at Jupiter. 3/5 To Cdt Key West 3/10	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
464945	12/17	Puget Sound	Progress report, Radio Comp stations. W.	
464325	12-26	To I.M. New Orleans	Radio Compass Stations in the 8th Naval District -Calibration of. W RB-1;26	
465764	12/24 12/27	Inspr Cramps Dept.	Suggestions, with prints, etc. covering apparatus for observing approach of aircrft balloon, antennas for wireless Communications as submitted by P. P. Banholzer. W.	
465070	12-27	To Dept Commerce	Reqts authority to establish a combined radio and radio compass station on the Lighthouse reservation, West Port, Grays Harbor, Washington. W Communications 12/3	
465788	12-30	To Dept via Y&D	Reqt for motorcycles with side cars. W in the 12th Naval District. RB 1/14 To M Is- No motor cycles available at present. 1-16	
465806	1-12	To Phila	Radio Compass Stations in the 4th Dist. Ammeters for amplifiers for. W Phila- Subm recommendations. 2/3 To Phila 2/6	

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N.S.E. Form 134.

919 - 1 DIRECTIONS FINDERS: 1920

Number.	Date.	From or To—	Subject.	
466579	1-3	To Dept Commerce	Fwds prints showing location of compass buildings at Farallon Islands, Cal. and Point Montara, Cal. W	
467078	1/5	1st Dist Copy	Radio Comp Sta- Cross Rip, placed in commission 1/4.	W.
466556	12/18	Mare Island	Copy of letter to Pac. Fleet in conn with assignment of Destroyers for duty in conn with calibration of radio compass stations. W.	
466950	12/29	Pug.Sd.	Subm list of furniture and equipt and supplies nec to put radio compass stations in commission. To Pug Sd- 1-6 copy to Y&D Pug Sd-recommends allow listed be auth for various stations. To Cdt Puget Sound 2/3	W.
468007	1/9	Mare Island Copy	Request orders for working parties for construction of radio compass stations.	W.
467307	1-8	To Dists and I.M's	Radio Compass Stations - Calibration of. W Inspr Phila. 1/19	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
461968	12/1	Mare Island	Progress reports radio compass stations, 12th Dist. W.	
452474	FROM CARD 38		Mare Island 12/1- Fwds addtl prints. W. Mare Island 11/29 - Fwds photostats.	
461991	12/2	Pug.Sd.	Progress report on Radio Comp Stations. W.	
462208	12/1	Mare Island	Progress report, radio Comp Stations in 12th Dist.	W.
463135	12/13	Y&D	Semi-monthly report of progress radio compass stattions - W	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
447104	FROM CARD 36		War Dept- Fwds prints 12/10	
463475	12/9	Mare Island	Request typewriter be issued to radio compass stations listed. W. To Cdt M.I. S&A will be reqstd to furnish 4-16 Mare Island 10/6 W. To M.I. fwds copy of letter 10/30	
463762	12/16	C&R	30' motor sailing launch 14622 assigned 61122 for shipment to Smith Is Radio Compass Sta; Y	
464708	12/15	Mare Island	Progress report, radio Comp Station, 12th Dist. W.	

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
459314	11-17	12th Dist.	Fwds monthly progress report. M I 11-17 Prog report	W
459456	11-17	Mare Isl.	Rqst maintenance allotments of radio compass stations listed be increased. To MI auth maintenance allowance as listed 11/25	W,K
459532	11-19	Puget Sound	Semi-monthly prog report on various radio compass stations.	W
459535	11-22	Phila.	Vandykes of model "T" radio compass- Fwds.	W
459862	11-24	Phila.	Reports on lack of receiving equipment for radio compass shipments. To Ph. shipmt reqstd 11/26 Phila. 12/6 Phila. 1/14 To Phila. Lists shipments made. 1-22	W
459872	11-19 Mare Island 12/11	Mare Isl.	Gives reason why Yd should be supplied with CG-101 transmitters instead of CT-104. Submits estimate covg manf of CG-101. To M.I.- auth withdrawal from store type CG-101 1/2 kw transmitter for P.Reyes Bird Island and Point Hueneme 11/26	W

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Number.	Date.	From or To—	Subject.	
459691	11/26	To Y&D	Advise rel to delay in construction of radio compass stations in 13th Dist. W	
460551	11-28	Norf.	Fwds calibration curves of Cape Lookout Radio Compass Station.	W
5 460800	11/25	Pug.Sd.	Ask if authorization of radio comp sta in 13th Dist automatically carries with it an allotment of funds. To uget Sound funds cover all cost of instal 12/5	WK
460803	11/29	Y&D	Fwds report from Mare Island Yd covering radio comp stas, Birdmlsland, Montara, Faralones Island and Point Reyes.	W
461487	12/5	To Supt Coast & Geod Survey	Reqst detail of representative of C. G. S. to each of stations to conduct work. W. Dept. of Commerce 12/8	
461967	12/6	Communications	Suggests experiments be conducted with a double electro magnetic screen around receiving room. W.	

DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
455437	10/29 11/1	5th Dist Com	Quarterly inspection report, Smith Island Compass Station. W. To Norf- rel discrepancies 11/4 To Norfolk- sum of 106.00 authorized 11/28	
455354	11/3	To Y&D	Allotment of 6500.00 made, covering cost of bldg matrl and work station Smith Island Wash. W	
455355	11/3	To Puget Sound	Auth of matrl to be withdrawn from store, cons of Slip Pt and Smith Island. W	
455366	11/3	To Y&D	Establishment of station Point Hueneme Cal.	
455367	11/3	To Mare Island	Authorization matrl to be withdrawn from store MI for establishment of station Pt. Hueneme Cal. W Mare Island 11/14	
420676	11/1	To Communication 10/	Boston- Quarterly inspection report Surf-side Compass Station.	914
455619	11/5	To Y&D	Allotment of 1600 made, covering cost of erction house, Avalon, Santa Catalina Is.	Cal. W

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Number.	Date.	From or To—	Subject.	
456200	11/7	To Y&D	Establishment of radio comp station Point Fermin Cal. W	
456854	11/7	Y&D	Fwds progress report for establishment of radio compass stations, under jurisdiction of Puget Sound. W.	
457510	11/12	Y&D	Fwds semi monthly report recd from Mare Island in conn with compass station at Bird Island, Farallon and Point Montara.	W.
457772	11/15	To Cdt Boston	Re-establishment of radio compass station Fourth Cliff Mass. No action to be taken pending purchase by Coast Guard. W Boston 3/3 To Cdt Boston 3/10	
458492	11/18	Phila. (T)	Calibration of radio compass stations in 4th Phila. with DICKERSON completed. W.	
458539	11/2b	Atlantic Destroyer	copy AULICK substituted for RODGERS.	W.

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DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
453589	10;22	Dept	Effective Jan 1st at all compass stations will use wave length of 800 meters. W Cross to Wash/	
453200	10/23	To Y&D	Allotment of 1000 made covering repairs to bldg at Fort Stevens. W	
453833	10;21 10;24	Boston Y&D	Reqst additional allotment for Damiscove Is, Compass Station. Y&D 10;31	
452478	10/20	To Sec Commerce	Dept desires establishment of 5 kw radio station in vicinity of Detroit.	899
453845	10/25	To Y&D	Allotment made, 3350.00 covering cost of bldg mast and tank of comp station Pt. Reyes Cal. W	
453846	10/25	To Cdt MI	Rel to establishment of station at Pt. Reyes Cal. W	

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Number.	Date.	From or To—	Subject.	
454124	10/18	Pug.Sd.	Progress report on radio compass stations. W. fwd Com 10/28 RB 10/30 Puget Sound- Progress report. 11/10	
454390	10/15 10/27	5th Dist Com	Quarterly inspection report, Hog Island Compass Station. W.	
454576	10-27	Dept.	Copy of telegram to Atl Fleet directing detail destroyer to 4th Dist for duty in conn with calibration of radio compass stations.	W A
445041	10/28	To Y&D	Permission granted to use reservation at Slip Point East Clallam Wash. for comp sta. W	
445042	10/28	To Puget Sound	Permission granted to Dept use reservation at Slip Point, Clallam Wash. Believes comm can be had with Tatoosh Staton over the Weather Bur line. W Pug.SD. Fwds print showing proposed communication line. 2/3	

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[OVER.]

DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
400558	See Card 100 of 919 also Card 75 of 919			
451654	10;13	Boston	Quarterly inspec report Cross Isl Sta; To Com-Fwd 10;22 RB 10/28	W
452035	10;16	Pacific Fleet	Copy- Burns left for Santa Barbara to carry out compass station test, off Arguello.	W
452061	10;15	Phila	Reqst auth to issue Arctic outfit to Beth Beach Radio Station. To Phila-Arctic outfits to be added to equip. 10;20	W

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Number.	Date.	From or To—	Subject.	
452590	10;19	Atl Fleet Copy	In con with detail destroyer in place of Honner to complete work of calibration at radio compass station.	
452471	10;22	TO Y&D	Establishment of radio compass station at Imperial Beach Camp. W	
452506	10;15	War Dept	Will auth construction of radio compass station at Fort Rosicrans and Camp Hearn. To Sec of War 12/11 To Sec of War asks expedite info req 1/28 War Dept. 2/5	W
452472	10;22	TO M I	Establishment of radio compass station at Imperial Beach, Camp Hearn, Cal. Mare Island-Progress report 10;31	W
452678	10;17	NY	Recs electric meter be furnished for Sandy Hook Compass Station. TO Y&D-Fwd 10;21 RB 10/25	W
452833	10;13 10;20	6th Dist Com	Quarterly inspec report Moris Isl Compass Station. W To Naval Com- Returned - 10;22	
453378	10;22	Y&D	Construction of radio compass station on Ozetti fwds correspondence in con with. To Puget Sd- reqst further investg 10/28 Puget Sound 12/16	W
452474 TO CARD 42	10;22 To MI- non receipt of photostat prints 11/19	To M I	Permission to use reservation for compass station at Point Loma, held in obeyance. MI-Fwds photostats showing location of dormatory and house for charging unit. W 10;30	W
447828	?	Boston	Fwds correspondence in con with proposed re location of Appledore Isl Comp Sta.	898

DIRECTION FINDERS: STATIONS

Number.	Date.	From or To—	Subject.
449656	10/9	To Y&D	Allotment of 3750.00 made- reqst work on construction station Farrallon Islands, be commenced- fwdg report covering. W
449657	10/9	To Comdt M Island	Authorizes apparatus to be drawn from store for use construction station Farrallon Is. W Mare Isl. 10;31 Mare Island- Progress report 10;31
451162	10;11	Boston	Quarterly inspection report of Appledore Isl.
451281	10;7 10;11	3rd Dist N Y	Reqst Montauk Radio Station be recalibrated. W To IM NY req detail rep from office to calibrate comp to 500 and 750 meters 10/17 N.Y. 10/23
451205	10;7 10;13	6th Dist Com	Quarterly inspec report Shore Radio Comp Station North Isl. W Fwd DNC 10/15
451898	10;18	To Norf	Relief for vessels detailed for radio compass stations calibration.

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Number.	Date.	From or To—	Subject.	
450622	10;11	TO Y&D	Estab of radio compass station at Point Montara. W	
450623	10;11	To MI	Lighthouse Reservation at Point Montara to be used as location for radio station. M I 10;31 Mare Isl 10-31 Prog report Pt. Montara. To MI- Dates shipmt made 11/12 Mare Isl 11-21	W
450626	10;11	To Coast Grd	Permission for estab of small bldg on Coast Grd Reservation. Coast Grd-Reqst auth to suspend antenna fire sig mast. 10:14 Coast Grd-Sug erect suitable masts at Appledore Isl. 10;20	W
451370	10;11	Boston	Quarterly inspec report of Damiscove Isl. fwd DNC 10/15	W
450979	10;13	To Pg Sd	Asks for report of radio station in vicinity of Point Edwards, Alki Point, and Tillamook. W	
450980	10;13	To Mare Island	Asks for reports of radio stations in vicinity of Ocean Beach and Eureka, Cal. To MI rel establishment of Pt. Fermin 11/7	W

DIRECTION FINDERS: STATIONS

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Number.	Date.	From or To—	Subject.
447104	10/1	To Mare Island	Establishment station Bird Island, Ft. Barry Cal., Allotment made W
SEE CARD 42	To Mare Island(T) Desires to establish radio compass stations on Bird Isl. and Point Reyes. 10/18 Mare Island 10/20		MI-Reqst reconsideration. 10;10 MI- 10;11 M I - Progress report 10;31 MI- Reqst reconsideration. 10;10 MI-Auth instal of transm at Bird Isl, gives reasons.
449009	10;8	To Pg Sd	Material for radio compass station San Juan. W(10;20
TO CARD 50	Pug Sd-semi-monthly report-1;21 Puget Sound; semi-monthly report; 2-20; P Snd - semi-monthly report - 3/8 Pug.Sd.- Semi Monthly report. 3/26 W Pug.Sd.-Semi Monthly radio comp report 2/28 W		Puget Sound- Fwds radio compass report. 10/21 Puget Sound-Fwds radio compass report. 11/25 Puget Sound 12/5 Puget Sound 12/23 semi monthly report. Pug.Sd. Fwds radio compass report 2/5
448953	9;30 10;2	1st Dist Com	Quarterly inspec report of Gloucester Radio Station.
449042	10;2	Boston	Quarterly inspec report Deer Isl Radio Sta.
448664	10/2	To Y&D	Reqst construction of compass house Cape Arago- Allotment of 2500.00 made. W
449156	9;30 10;2	1st Dist Com	Inspec report Surfside Comp Sta. W fwd DNC 10/7
449159	9;30 10;3	1st Dist Com	Quarterly inspec report Prices Neck Comp Sta.

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DIRECTION FINDERS: STATIONS

Number.	Date.	From or To—	Subject.
448675	10/4	To Cdt Puget Sound	Authorizes 1400.00 covering work and material for establishment of station Cape Arago, Oregon. W Puget Sound (T)- Recommends 25' steel motor whale boat be furnished to Cape Arago. 12/31 Fwd C&R. 1-2 RS 1/15 Pug Sd (T) Request instrns. 1/12 Pug Sd.- Fwds copy of letter from Coos & Curry Co. in conn with. 3/4
449532 6	10;4	Dept of Commerce	Auth construc and bldg of quarters at radio compass station and light house reservation at Point Montara and Faraloon, Isl W To Mare Isl-Reqst infor on water supply. 10;14 Mare Island 10/24
449708	10;2	Pg Sd	Semi monthly report on progress of compass station at Port Stephen and Ozett Isl. W To Naval Com-Report on radio compass station Pacific Coast. 10;8
449744	10;4 10;7	1st Dist Com	Quarterly inspec report of North Truro Sta. fwd Commun 10/9
449946	10;8	Dept	Auth estab of radio compass station in the vicinity of Port Angels, Wash. To Pg Sd-Auth estab of radio comp sta. 10;11

DIRECTION FINDERS: STATIONS.

Number.	Date.	From or To—	Subject.	
447528	9;21	NY	Radio compass station Rockaway Beach, quarterly inspection report. W	
446813	9/23	To Norfolk(T)	Operations advises destroyer CONNOR ordered report Cdt 5th Dist for duty connec calibration radio compass stations period Arrange with dist Cdt re orders to CONNOR W cc to 5th Dist	
SE 12479-1253 9/24		To Secretary War	Authority reqstd establishment radio comp station Admiralty Head Ft. Casey Washn., W	
446887	9/22	Destr Squad 3 Copy	Vessel ordered Norf in connection with calibrating radio station - W	580-8
447118	9/26	To Key West	Req survey of site St. Augustine be made subm report with recommendations. W	
TO CARD #44		Key West Fwds sketch with estimate in conn with proposed location of St. Augustine radio Compass Station. W 10/25.	Key West 10;4 To Cdt K. W. 1/30/20 To Key West-Radio station St Augustine. 10;10	
		Key West-Fwd print and map of proposed location Jupiter Sta. 11/18	To K W- relocation of station in vicinity of Jupiter Inlet Fla instead of St Augustine 10/24	
447123	9/26	To Director Naval Com	Req information if Director of Naval Comm contemplates substituting location at Pt Reyes Cal for auth site Ocean Beach Cal. W	
447104	9/24	To Sec War	Request auth to establish radio compass sta. at Fort Casey.	

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Number.	Date.	From or To—	Subject.	
448354	9;24	Pg Sd 899	Fwds spec report on investigation of radio compass site in vicinity of Cape Aroga, Oregon.	
448636	9;26 10;1	3rd Dist Com	Quarterly inspec report Sandy Hook Sta.	W
448631	9;29	Boston	Calibration curve for Gloucester. W	
448839	9;27	Pg Sd	Correspondence in con with radio compass station Seaside, Oregon. W	
448940	10;2	Com	Reqst deficiency of Cape May Comp Sta be restored, bearings are doubtful. W	

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DIRECTION FINDERS: STATIONS.

Number.	Date.	From or To—	Subject.	
446057	9-16	Charleston	Radio Compass Sta Morris Isl. Quarterly inspec. W	
5 445649	9/18	To Puget Sound	Relocation of Tatoosh Island station as submitted by Pacific Coast Radio Material Officer's report considered satisfactory. W Authorizes material to be withdrawn from Puget Sound for use station W To Y&D bldgs and other work required for Puget Sound- Subm list of material to be drawn from stock. 12/1 To Puget Sound- 12/10	9/19
440821	From Card 30		Charleston-Acklgs receipt of drawings. 8;29 Fh-Tel-Reast action. 9;2	
445653	9;24	TO Sec Commerce	Reqst auth to estab radio comp sta on lighthouse reservation at Slip Point and Smith Isl. W Dept Com- Grants auth. 10;20	

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DIRECTION FINDERS: STATIONS

Number.	Date.	From or To—	Subject.	
445905	9/19	To Secretary Commerce	Authority reqstd establish radio compass stations on Lighthouse Reservations Pt Fermin, S San Pedro, Cal. Pt. Hueneme, Cal and Pt. Concention Cal. W Dept Commerce 9;26 Dept. Commerce- Grants authority. 10/28	
446385	9/20	To S&A	Reqst shipmt from Norfolk to Puget Sound eight type A 3/4 K W 32 volt gas engine driven battery charging units. W . RB 12/17	
446699	9/20	Operations Copy	Directs use USS CONNOR or KIMBERLEY proceed to Norf for temporary duty in connection with calibration of radio compass stations - A	560-8
445910	9/22	To Cdt Mare Island	Reqst take up with Santa Catalina Is Co. Avalon, re purchase of site for station at Avalon Calf. W MI-Fwds correspondence with recs. 10;27 To MI- re to establishment of 11/5	
447253	9;23	NY	Radio compass station Sandy Hook, fwds quarterly inspec report. W	
447250	9;23	NY	Radio station Fire Isl, fwds quarterly inspec report. W	
447104	On Card 36			

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
444277	9/10	To Coast Guard	Authority reqst remove tower replacing same with wooden mast, Ocean Park Wash.	W
445041	see card 39			
444841	9-8	Charleston	Compass Sta North Island Georgetown- Quarterly inspection.	W
444856	9-4	Mare Island	Fwds photostats radio compass stations Point Conception, Pt. Hueneme, Pt. Fernium.	W
444981	9/12	To Coast Guard	Fwds print of Ocean Park Reservation	W
444288	9/12	To Puget Sound	Establishment of station Cattle Point San Juan Is Wash. sum of 600.00 authorized To Y&D- re constructions of bldg 9/12	W
444280	9-13	To Norf	Radio Compass Station Cape Lookout- Fwds two copies of error curve and two copies of error sheet.	W

Number.	Date.	From or To—	Subject.	
445392	9-12	New York	Compass Station Montoloking- Quarterly inspection.	W
445480	8-29 9-12	1st Dist. Communications.	Radio compass station Watch Hill- Quarterly inspection. fwd Com 11/10 ~~fwd Com 11/10~~	W
444985	9-13	To Pug Sd	Radio Tel- Radio compass station New Dungeness, fw s copy of letter to Y&D re establishment of. W copy to Radio Material Officer, Pug Sd- To Y&D- Gives detail comment on construction of station and fwds prints. copy to Radio material officer and Comdt Pug Sd. 9-13 Puget Sound 10/21 To Cdt Puget Sd 10/28	
445861	5-30 9-15	USS CHICAGO Hydrographic Office	Report of Bd on test of Radio Compass Sta.	W
445015	9-10	Mare Isl	Radio Compass Sta Pt. Conception- Submits print of available site. To MI-req temp instaln be made Pt. Arguello 9/27	W

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Number.	Date.	From or To—	Subject.	
444369	9/8	Atl Flt Copy	Detailed for duty calibrating radio compass stations - AW	580-8
444210	9-5	Boston	Radio Compass Station Otter Cliffs- Fwds quarterly inspection report.	W
444488	9-6	Navigation	Recomends instruct compass stations to transmit on 750 and receive on 450 meter wave lengths. ~~To Commun- Req taken up with Dept Commerce 9/16~~ Pg Sd-Submits estimate. 10;10	W
444404	8-30	Mare Isl	Radio Compass Station 12th Dist- Reports on locations of- Fwds photos.	W
444613	9-8	Boston	WATCH HILL compass station- Fwds quarterly inspection report.	W

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Number.	Date.	From or To—	Subject.	
444610	9-8	Boston	HUNAROCK FOURTH CLIFF Radio Station- Fwds quarterly inspection report.	W
444713	9-5	Mare Island	Fwds copy of letter from Jos Ferguson re securing site for radio compass station at Balboa, Calif.	Rk W
444269	9/10	To Puget Sound	Req estimate of funds required for installing radio compass apparatus for Coast Guard Reservation 309- Ocean Park Washington Pg Sd-Submits estimate 10;10	W
444271	9/10	To Y&D	Req work as authorized be started, reporting progress semi-monthly, allotment of 2400 Fort Stevens Oregon. W	
444275	9/10	To Puget Sound	Req fwd estimate of funds required for establishment of station Ft Stevens W Pg Sd-Submits estimate. 10;10 To Cdt Puget Sound- allot auth 10/23	
444276	9/10 Pg Sd-Fwds prints 9;25	To Puget Sound	Req survey be made of Coast Guard reservation with view of locating site for site of bldg, Ocean Park, Wash. W	
444925	9-1 0	C &R	Coast Grd-Grants auth to const bldg at Ocean Pk.9;20 Copy of letter to Boston to assign motr sailing launch to Compass Station, Appledore Island, to replace motor dory 7593, damaged by fire Y	611-2

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[OVER.]

DIRECTION FINDER STATIONS.

Number.	Date.	From or To—	Subject.	
443082	8;30	Boston	Conf tel conv regarding naval radio station at Gloucester.	
442175	9-13	War Dept	Grants auth to install radio compass Sta Bird Island. To Y&D- estatlishment of station Bird Is- reqst construc bldg etc. 9/25	W
442992	8;28	1st Dist	Watch Hill and Surfside being closed, turned over to Coast Grd until operators available. W	
442177	8/29	To Y&D	Authority granted to construct bldg for radio station Ozette Island, Washn. W	
442178	8/29	To Puget Sound	Instructions in re to establishment of sta at Ozette Island Washn. W	
443363	8;28	War Dept	Auth instal at Fort Stephens reservation. To Puget Sound- asks report and recs 9/8 Puget Sound 9-11	W

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
442179	9/2	To Comdt Puget Sound	Req fwd estimate of funds required to install radio compass apparatus and associated commun and power lines, separate from estimate made by Public Works Officer for station Ozette Island. Pg Sd-Sub estimate 9;20 To Puget Sound- establishment of station Ozette Island 9/29	W
443472	9-3	Donnell-Zane Co.	Rqst bidding data for chain of Radio Compass Stations on West Coast. To Donnel-Zane Co- bids will come under cognizance of Cdts of yards Pacific Coast 9/8	W
443305	9/3	Boston T	Request travel orders for Lieut W. J. Russell to Newport in connection with calibration of radio compasses. F&W	632-1
422774	9/4	To S&A	Req ship from Norfolk to Bar Harbor one Gas engine for Otter Cliffs St W	
443204	9/4	To S&A	Req ship from NY to Newport 1 12" searchlight for instal in Coasters Harbor Island	L
443813	9/4	Norf.	Gas generating sets at radio compass Shore station - casualties to - fwds reports and prints; are manufg new type charging panel W. Cross 882-1.	

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.
440779	8;5 8;15	MI 13th Dist	Sub information re transm on power req for compass station. W
440821 Card 34	8;23	To Norf To New Orleans-Trouble exp at radio compass stations. 8;25 Phila-Asks if station are in 1st or 4th Dist. 8;28 Tel Phil-T-Makes 3rd req for infor re comp coil. W 8;30 To Phila Tel 9/2	Trouble experienced at radio compass stations. W To NY-Trouble experienced at radio compass stations. 8;25 To Phila-Trouble experienced at radio compass stations. 8;25 To Charleston-Trouble experienced at radio comp stations. 8;25
440910	8;16 8;20	5th Dist Com	Fwds quarterly inspec report Cape Hatteras Compass Station. W To Boston-Trouble exp at radio compass stations. 8;25 Boston 8;26
440806	8/21	To Dept of Commerce	Auth reqstd to locate station at Pt Montara and Farallon Is Cal. W To Dept Com-Regarding location of radio compass station. 8;22 Dept of Commerce 8-30 States matter is now being considered.
441119	8/10 8/21	Appledore Sta C&R	Req 28' motor sailing launch be furnished instead of 21' motor dory Y 611-2
441188	8;13	Norf Copy	Tel & Tel Line from Cape Henry to Smith and Hog Isl in commission. W

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
Norf SE	194 8/21	To Norf	Req detailed report covering spare parts for gen sets for Shore Radio Comp Stations	W
441516	8;16	MI	Recs instal of radio compass on Santa Cruise Isl be auth. Mare Island 9-6	W
441224	8;22	1st Dist	Ice station at Glucester out of commission due to auth changes.	W
441626	8;22	Com	Report of calibration of compass station at Cape Lookout.	W
442534	8;22	Pg Sd	Fwds prints of light composition for radio compass site at Cattle Point.	W

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DIRECTION FINDER: STATIONS

1919

Number.	Date.	From or To—	Subject.	
439527	8/15 NY 10;6 Phila 10;15	To Cdt Boston	Desires info as to when curve of errors of radio compass stations for 750 meters wave length will be completed W To N.O. ditto 8/15 To Ph ditto 8/15 To NLY. ditto 8/15 To Norf ditto 8/15 To Chas ditto 8/15 New York 8;19 Boston-Sub progress report. 8;22 New Orleans 8:20 Charleston 8:25 Phila 8-30 Submits report	
439061	8/11	Cape May Tel	Rec conditions uncertain, reqst Ensign Crossley bring arc radio compass. W To Cape May 8/12. W	919
437497	8/6	To C&R	Rqst 21' motor dory be assigned to radio compass stations at Grand Is, Burrwood La and Passa Lourte La. asks numbers of boats assigned Y.	611-2
440029	8;14	Com	Recs investigation be made to determine why pointer on control joint at Cape Cod compass station was placed at an angle of 25'. W	
438733	8/8	C&R	Copy of letter to Norf directing 21' motor boats be furnished radio compass inspectors Grant Island, Burwood, Pass à Lourte; Y.	611-2

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
439024 SEE 28	8/11	CIRCULAR LETTER D-4 CO HARDING 12/17	Fwds report on test of radio compass stations for consideration persons connected with navigation of vessels. Mariners reqstd fwd results form and comments on operation of stations in clear as well as thick weather. W Inspr Allis Chalmers- Comments on report of Brd. 10/2 To Inspr Allis Chalmers- acknow comments 10/9 To Hydrophic Office- reqst copies 7-23 Hydrographic Office- Fwds bid. 7/23 W fwd S&A 7-28	
439659	8;14	Com	Recs in conv ~~11~~ with future calibaration charges radio station. W To Boston- asks fwd report 8/30 Boston 9-5 Fwds deviation curve for Fourth Cliff. W	
440535	8;19	SOL	Rental of premises in town of Maine, fwds copy of agreement. W	
440624	8;13	MI	Reqst Birk Isl Compass Station be sup with plant. W	
440605	8/19	C&R	Report on 21' motor dory assigned to radio compass stations Grand Island; Burwood; & Pass a Lourte; L.	611-2

[OVER.]

DIRECTION FINDER: STATIONS

1919

Number.	Date.	From or To—	Subject.
437611	8/7	To S&A	Req ship from Ph to Montauk Pt voltmeter W RB 10;1
437924	8/8	To S&A	Req ship from Ph to Boston for Damiscove voltmeter W R B 9-8
438896	8;7	Com	Asks when calibration of Shore Radio Comp Station will be completed.
438962	8;5 8;9	3rd Dist Com	Reqst action on instal under gr cable at Montauk Station. W To NY allotment of 1000 8/21 fwd Commun 8/14
439169	8;2 8;7	MI 12th Dist	Radio compass station Coast Grd 320, fwds print of proposed site. W

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Number.	Date.	From or To—	Subject.
439153	8;9	NY	Test lab at NY asks for facilities for continuance of of work on dyscralite app. Cross to 635-11.
439165	8;7	12th Dist	Fwds detailed report on radio compass station Farrallon, Isl., Point Reyes, Point Bonita and Point Montara. W
439166	8;1 8;7	MI 12th Dist	Fwds print of proposed site for radio compass station Farallon Isl and Point Montaria. W
439160	8;12	Cape May Tel	Sug use larger antenna at Washington Yrd, no sigs received. W
439024 SEE 29	8/13	To Operations Via Nav	Approval of Nav and Opr req on issuing reports and cir letter test of radio comp stations W Operation-Approved 8;18

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[OVER.]

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DIRECTION FINER STATIONS:

Number.	Date.	From or To—	Subject.
438429	7;26 8;7	4th Dist Com	Quarterly report Bethoney Beach Compass Station.
438517	8;8	Norf Copy	Smith Isl out since 7;30, spare parts not available at Delco Agency. W
437597	8/6	To S&A	Req shpmt from Phila to Norfolk one portable Weston voltmemter W RB 8;26
437598	8/6	To S&A	Req shipmt from Phila to Cape Henlopen Weston voltmeter W RB 9;2
437599	8/6	To S&A	Req shipmt from Ph to Cahrleston voltmeter W
437922	8/8	To S&A	Reqst shipmt from Ph to Brentons Neck Coast Guard Station 53 Newport Weston voltmeter W

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
437923	8/8	To S&A	Reqst shipmt from Phila to Bostn for installn Appledore, one voltmeter W RB-1;28	
437602	8/7	To S&A	Req ship from Ph to Charleston one portable Weston voltmeter W R B 9-10	
438582	8;2 8;8	Nots Com	Recs radio compass station be instal at Jupiter Inlet. W	
437606	8/7	To S&A	Req ship from Ph to Glouchester for CG 22 voltmeter W	
437607	8/7	To S&A	Req ship from Ph to Boston for Deer Is one voltmeter W	
437608	8/7	To S&A	Req ship from Ph to Fourth Cliffs, Sta 23 one voltmeter W	
437609	8/7	To S&A	Req ship from Ph to Rockaway Beach one port voltmeter W	
437610	8/7	To S&A	Req ship from Ph to Bay Shore Fire Island voltmeter R B 9-15	

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[OVER.]

Number.	Date.	From or To—	Subject.
437213	8/6	To Bureau of Commerce	Auth reqstd to install radio compass sta on Lighthouse Reservations at Tatoosh Is, New Dungenes, and Cattle Point Wash. W Dept Commerce 9-8 Auth.
439219	8/6	To S&A	Req shipmt from Phila to Mantoloking one portable Weston Voltmeter W Communications 8/22.
437221	8/6	To S&A	Req ship from Phila to Sandy Hook, one Weston voltmeter W TO S&A-Reqst shipmt from N J to Phila of one voltmeter. 8;28 NY -Fwds correspondence 10;21 To S&A- Fwd 10;27 To S&A canc of Ship reqst 8/28 10 29
437596	8/6	To S&A	Req ship from Phila to Cape May, one Weston Voltmeter W R B 9-5
437825	8;1	Pg Sd	Fwds print of Fort Stephens radio compass station. W To Secty War Auth req to instal radio compass station on Mil Reserv Ft Stevens 8/13
437824	8;1	Pg Sd	Fwds prints of Ocean Park Compass Station. W

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Number.	Date.	From or To—	Subject.
438419	7;29 8;7	Cape May Com	Quarterly inspec report Cape Henlopen.
438429	7;15 8;7	1st Dist Com	Quarterly inspec report Coast Grd Station #46.
438430	7;17 8;7	1st Dist Com	Quarterly inspec report Watch Hill Compass Station. W To Boston authorized 9/4
438243	8;7	Boston	Quarterly inspec report Compass Station, Nantucket W

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[OVER.]

DIRECTION FINDERS: STATIONS:

Number.	Date.	From or To—	Subject.
436106	7;27	Boston	Sub quarterly inspec report of Prices Neck Compass Station. W
436368	7;30	Y&D	Reqst allotment of $81.84 be made to cov exp on construc of quarters for operating personnel at Moris Isl. Compass Station. To Y&D- allotment of 81.84 8/5 Y&D 9-2 Have retd balance of $81.
436226	7;25	New Orleans	Report of status of compass station at Grand Isl, Burwood and Pass a Loutre. W NO-Reqst action 9;22 To NO- auth allotment 10/1 To NOreq sub detailed report 10/1 New Orleans-Progress report 10;10 New Orleans-Rqst for addtl allotment.10/24 To N.O. 1400 authorized 11/4
436609	7;27 7;31	New Orleans Y&D	Burwood Compass Station, cost of station will be 6,150 instead of 3,000 as auth by SE W Fwd Y&D 8/2

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Number.	Date.	From or To—	Subject.	
437087	8;2	Boston	Fwds callibration curves for stations listed.	W
437037	7;28	13th Dist	Recx re quarters at Radio Station 13th Dist To 13th Dist - recommendations re quarters for personnel 8/20	W
437647	8;4	Boston	Quarterly inspec report of North Truro Station.	W
43726 5	8/5	To Comdt Mare Island	Desires all reports and sketches of proposed radio compass stations be submitted in triplicte MI-Report on radio compass location 13th Dist. 8;18 MI-Reports on radio compass station. 8;22	
4372 06	8/5	To Comdt Puget Sound	Desires all reports and sketches of proposed radio compass stations be sub in triplicate Pg Sd 8;20	

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DIRECTION FINDER; STATIONS.

Number.	Date.	From or To—	Subject.	
434015	7;14	MI	Reqst permission be obtained from Dept of Agri. to erect radio compass station, on Ozette Isl.	
434116	7;18	J L Burnard Jr 919	Reqst chart showing original radio compass experiments. W To J. L. Bernard- fwds copies of charts test by CHICAGO 8/5	
434117	7;15	N O	Reqst motor batteries, Grand Isl, Burwood and Pass-A-Lautre. Cross to 611-2	W
434674	7;17	Pacific Coast Radio Material Office.	Copy of letter to Com Super Frisco, reqst rep accompany part to locate radio compass stn 12th dist. W	

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DIRECTION FINDER : STATIONS

Number.	Date.	From or To—	Subject.
434731	7/25	To Firms Cutting & Washington 3/4. To Cutting & Washington 3/6	Fwds info re calibration of radio compass stations W Cutting & Washington 7:28 Independent Wireless Tel Co. 7;28 To C&W- will recommend wave length at conven 8/7 Marconi C - 8;17
434730	7/26	To Shipping Board	Sec of Navy has established wave length of 750 meters for all compass work. SE is having all stations calibrated for this wave oength. W Ship Brd-Reqst instal new radio equip on ship brd vessels. W 7;31 To Shipping Board- provision will be made for 750 meter wave lengths on Ship Board vessels 8/14 Shipping Bd 9-16 States no immediate steps will be taken to provide transmission on 750 meters. W
435623	7;19	Pacific Coast Radio Material officer	Fwds prints showing proposed location of radio station at Fort Stephens, Ore.
435158	7/28	To N.Y.	Sec of Navy establishing wave length of 750 meters for all radio comp work. Req stations 3rd Dist be calibrated W
TO CARD 46		Norf-Fwds vandyke and print cpy calibration of cape Hatteras Comp Station. 11/11 To Cdt 1MDNCPCCS- Outlines proced after April 1 1920 11/14 Phila- Fwds report on improvement calibration of radio compass sta 4th Dist. 12/24 1st Dist- Rast Destry.be assigned for calibration. 2/7	To Boston- ditto 7/28 To Ph- ditto 7/29 To Norf ditto 7/29 To Chsn 7/29 To NO ditto 7/29 NY-Fwds corrected calibration sheets. 10;8 Norf- Fwds table of radio compass calibration at Smith Island. ?
435404	7;19	Pacific Coast Material Officer	Radio compass station at Dungeness, Cattlepoint and Tatoosh Isl, Fwds prints.
435152	8;23	Phila	Fwds report of test of system employing visual observation of obtaining radio comp readings. W

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
433127	7;15	Com	Quarterly inspec report Cape Henry Comp Station. W	
432945	7;16	Hampton Roads Tel	Asks what arrangements have been made for destroyer calibration Cape Look-out Comp Station. W	
433452	7;16	1st Dist	Conf tel conv in con with calibration of radio compass at Cape Lookout and have destroyer force available for. W Destroyer Force - Alywin designated. W 7;17	
433658	7;9	1st Dist	Fwds log radio compass station Gloucester quarter ending June 30th.	W

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
432753	7/17	To Comdt Phila	Reqst report be furnished giving comparative accuracy for direction finding of spark and continuous wave transmission W	
433150	7/17	To Comdt Phila	Reqst expeiments be made with screen mounted above radio compass coil, ascertain the value for sharpening minimum of incoming signals and obviate variable error due to static screen being stationary W Phila-8;5	
432937	7/15	NY	Quarterly inspection report Fire Isl Compass Station. W.	812
433162	7/19	To Comdt Phila	Reqst representative be designated to accompany rep of Bureau of Standards to Cape May to make tests W Phila-Fwds prints showing test. 8;25	
434024	7;19	Boston	Fwds various drawings of Damiscove Isl Radio Comp Station.	

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DIRECTION FINDER STATIONS

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Number.	Date.	From or To—	Subject.
433866	7/10	To Comdt Phila	Acknow receipt of 50 copies of radio compass bulletin No 1. W Phila 12/20
431380	7/11	To S&A	Reqst shipt from Norf to Boston one Delco battery charging unit W R B 9-13 To S&A canc of 8/27 Boston 9-4 Returns yellow copy To Boston- Advises arranging for purchase of five units for station Appledore 9/16
431996	7/12	To Secretary	Reqst auth to lease land at $200.00 per year at Appledore Is. for station W RB 7;17
432640	7/15	To Comdt Boston	Allotment of $175.00 to Coast Guard for sumplexing telephone line between station and North Truro W
432641	7/15	To CG	Reqst simplex phone line Radio Station Comp sta and North Truro W sum of 175 alloted. Coast Grd 7;16 Coast Guard 3/8 Fwd S&A 3/16
432448	7;7	MI	Location of radio compass shore station, sub report cov. W
432998	7;15	Popular Science Monthly publicity	Desires to use illustration for radio compass bulletin #1 article on radio compass station. W To no objectio to publ 7/17

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Number.	Date.	From or To—	Subject.	
432691	None	Boston	Sub comments and recs for radio shore station instal.	W
432692	None	Boston	Fwds special report on calibration of Ottercliff Radio Compass Station. W	
432834	7;12	Dept	N O auth purchase of site for radio comp station Grand Isl, La.	W
432941	7;9 7;15	1st Dist Com	Quarterly inspec report Prices Neck Radio Station. W	
432942	7;9 7;15	6th Dist Com	Moris Isl Compass Station, reqst construc tel com between Charleston. fwd Chasn 7/19	

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DIRECTION FINDER STATION:

Number.	Date.	From or To—	Subject.	
430494	7/7	To Mare Island	Tel: advise reqstd progress re selection proposed radio compass station sites P S Period impor locations be completed without delay W To Pug Sd(T)- Expedite information proposed compass station sites Pug Sd. 7-15 Pg Sd-Tel 7;18	
430911	8;14	5th Dist	Sub outline of com facilities. W	
431037	7;7	Pg Sd Pg Sd-Fwds special report on compass station. W 7;28 Pg Sd-Fwds prints of various radio compass stations. W 8;1 Pg Sd-8;1-Fwds prints of radio compass stations.	Sub report of location of various radio comp stations also final estimate. Tel W To Puget Sound reqst fwd data 7/9 To PS info reqst letter of 7/9 urgent 7/24 To Puget Sound 7/24 Pacific Coast Superintendent.-Sub report on radio compass station on Pacific Coast. 7;19 Pg Sd-Reports fwd. 7;28	
431079	7;1	Moris Isl Station	Radio log quarter ending 30th.	W
431414	7;8	Dept	Auth erect radio compass station listed on Juan de Funca and Pg Sd. W To Comdt Puget Sound req survey be made 7/15 Pacific Coast Material Officer - 8;6 Pg Sd-Rep left to inspec site. 8;8 Pg Sd-Fwds prints- 8;19	
430503	7/9	To S&A	Reqst shipt be made from Washington to Mare Island. radio equipment W To MI- equip should be held in stock until locations selected approved by Bu 7/14	
430504	7/9	To S&A	Req shipt be made from Wash to Puget S radio telegraph material W RB 8;14 To Puget S hold in stock until approv by Bu 7/14	

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.
430505	7/9	To S&A	Req ship from Phila to Mare Island 11 radio compass coils W R B 3/20 Phila 9-13
430506	7/9	To S&A	Req ship from Phila to Puget Sound 8 radio compass coils W Pug.Sd. 2/19 fwd Cdt Phila 2/26 RB 3/31 W.
430515	7/9	To N.Y.	Re shipment of one complete SE 995 radio comp equipment for install on board USS COLUMBIA reqst be given prompt attentin W
430991 CARD 20	7/9	To Norfolk	Reqst sketch and estimates for removal of station Cape Henry to another location W Norf- Fwds calibration results of Cape Henry. Station. 10/23 W
431090	7/9	To S&A	Reqst shipt be made from Washington to Newport, radio receiver W RB 7:30
431091	7/9	To S&A	Req ship from Phila to Newport radio compa coil W RB 7:30

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DIRECTION FINDERS: STATIONS:

Number.	Date.	From or To—	Subject.	
429844	7;1	1st Dist	Sub report of inspec of Hog Isl Radio Sta. fwd Commun 7/3 RB 7;16	W
429843	7;1	5th Dist	Sub report of inspec of Smith Isl Radio Station. fwd Commu 7/7	W
423679	6/28	To Mare Island Tel:	17327:25,000.00 auth for radio compass material 12th naval dist. W	
429388	7/2	To S&A	Req shipt from Washinton to Chatham one radio receiving equipment W	
429945	7/3	To Norfolk	Info reqst date of compl of stations 190 Cape Lookout, req sub weekly report covering installn W cc to Rad Off Norf	
429895	7;7	Boston	Will re open negotiations. Boston-Tel-List amts for which owners will lease property compass stations Fourth-cliff. W To Dept 8;19 RB 9;22	W

To Dept. Auth reqted to lease land at Fourth Cliff Cape Cod Mass. 8-19

To Dos-asks CG arrange purchase of land 8/20 8;1

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[OVER.]

DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
429387	7/2	To S & A	Reqst shipt be made from Phila to Bost on one radio compass coil W	
429589	7/7	To Comdt 1st Dist	Info reqstd re development work completed and any comparative data obtained from expr auth in conn w Bellini-Tosi system of direction finding. W cc to Boston RB 7;18	
430493	7/7	To Comdt MI	Info reqstd when data on proposed location of radio compass stations at Puget Sound may be expected. W	
430494	7;10	M I Tel	(Old Number)	
430827	7;5	N O	Reqst Genl Gas Elec Co be adv that no guarantee certif of instruc books were rec with outfit, Murwood Comp Station. fwd Norf 7/11 RB 7;28 To Gen Gas Elec Co- asks what action taken non receipt of instruc booklets etc at Norf 8/18	W
430829	7;5	NO	Reqst Genl Gas Elec Co be adv that no guarantee certif of instruc books were rec with outfit, Passe a Lautre fwd Norf 7/11	W
430991	7;5	5th Dist	Sub inspec report cov Cape Henry Compass Station. To Norfolk- reqs full report be subm 10/9	W
	SEE	CARD 21		
431018	7;5	5th Dist	Quarter inspec report Cape Hatteras Radio Sta.	

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DIRECTION FINDERS: STATIONS:

Number.	Date.	From or To—	Subject.	
429101	6;21 6;27	3rd Dist Com	Fwds report of test made at Montauk Comp Sta reqst 1,000 be appropriated cov placing of tel tel circuits. To NY- sum of 430 allotted covering cost 7/3	W
8 426295	6;27	Newport Comp Sta	Reqst station be furnished with chart of Atl Coast from Boston to NY. fwd Commu 7/3	W
429252	6:27 To S&A Comdt Bos has been req to enter into nego with owner rel to obtaining lease 7/21 Boston-Fwds prints for Chatham 9;19	Boston	Fwds reqst cov certain land sites on Appledore Isl. recs be approved Boston - Comments on proposed location 7;11 Com - Sub report of visit of officer of Com in regard to proposed radio compass station at Chatham. 7;11	W
428752	6/28 To Boston- asks fwd estimates 8/21 To Boston- req fwd copies of prints 9/15 To Boston- req test be made 9/26	To Comdt Boston	Reqst representative from Boston be designated to meet rep from office Commun at yard 8/7 to proceed to Chatham selection of site for station W To Boston- eqstimate reqst 7/17 Boston-Fwds prints with recs. 8;26	
428753	6/28	To Communications	Reqst info if can have officer from office in Boston 7/7 for purpose of selecting site for station Chatham. W	

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DIRECTION FINDERS: STATIONS

Number.	Date.	From or To—	Subject.	
429216	6/30	To Y&D	Allotment of $1,176.66 made to cover over-expenditures made station Damiscove Is Me. W To Y&D- allotment of $2,192.74 made covering over expd station Cross Is. 6/30 To Y&D allotment of 937.63 mde Appledore 6/30	
429216	6/28	Y&D	Reqst allotment cov over expenditures at Cross Isl. Damiscove Isl. and Appledore Isl. W.	919
[illegible]	[illegible]	Y&D	Reqst allotment cov over expenditures at	919
421833	7/1	To Coast Guard	Sum of $400.00 allotted covering cost of telephone extension run underground in cable between Burrwood station and and radio compass station being established at this place. W Coast Guard- Request transfer $400 to Appropriation, Coast Guard. 4/13 W. To S&A- reqst transfer to appropriation C.G. 1920 4-16	m
429589	6;28	1st Dist	Quarterly inspec report of Gloucester Radio Station. Boston-Fwds prints and reports on exp work Venila Tasi system radio compass. No date.	
429895	7;2	Boston Tel	Reqst special allotment $600 cov work at radio compass station Humorock. W To Boston- asks fwd info re rental of cottage 7/3 cc to Boston	

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
428304	6;16 6;24	3rd Dist Com	Quarterly inspec report Watch Hill radio Comp station.	W
428335	6;25	Charleston Tel	Transm system Georgtown Radio Station placed in commission. To Commun- station Georgetown placed in operation 6/25th 7/2	W
428356 TO CARD 47	6;21 Chasn- Request addtl allotment $ $300, for Morris Island Comp Sta. 3/4 Chasn- Status allotments North Isl & Morris Is; recommends increase for W 3/29	Charleston	Quarterly inspec report Morris Isl Comp Station. To 6th Dist- auth 100.00 for purchase of 7 steel clothes lockers 7/8 To Cdt Charlestn 3/15/20	W
428568	6;20 6;25	1st Dist Com	Quarterly inspec report Damiscove Isl Sta.	W
428618	6;25	Boston	Fwds agreement of W A Tapley cov purchase of site now occupied by Humorock Comp Sta.	W

Number.	Date.	From or To—	Subject.	
428857	6;20 6;26	1st Dist Com	Quarterly inspec report, Cross Isl Comp Sta.	W
428859	6;23 6;26	3rd Dist Com	Radio compa station at Rockaway, recs for transf to Long Beach. fwd NY via Commun , 7/10	W
428867	6;26	Y&D	Reqst additional allotment be made coy construc of living quarters for personnel Morris Isl Station. To Y&D-addtl sum of $300 allotted covering cost of quarters station Morris Is. 6/28 fwd Y&D sum of 275.00 allotted 7/14	W
427660	6/24 To N.Y. charging unit for G.Island Ia. 11/25 R B 11-29 To N.O. auth charg unit for 12/4 New Orln.-Request expedite shipment. 12/9	To S&A	Req ship from Chasn to New Orleans for Grand Is Stations, steel tub masts W NO-Asks if have plans showing Dub masts. 7;10 To NO fwd copy of erection details 7/19 New Orln. Recommends another type of charging equipt be furnished. 11/15	RB 8;8
433866	6/25	To Phila	Fwd copies of bulletin; radio compass	W
425682	6/26	To Boston	Material shipt to Boston BL 41478 6/13 station Fourth Cliff W cc to Boston	

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DIRECTION FINDER STATIONS

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Number.	Date.	From or To—	Subject.	
422097	6-21	To NO	Additional allotment of 250.00 made covering equipment for dormitory station Grand Is.	W
427390	6-21	To Comdt Mare Is	Suggest San Diego be selected as most advantageous point rel to calibration of radio compass on destroyers on Pacific Coast.	W
		MI-Tel-Req decision as to location radio compass calibration. 7;4 To MI Tel 7/7 Mare Island 12/18 Fwds correspondence Fwd Dept. 12-29	MI-Tel-Recs San Pablo Bay be utilized. To Operations- reqst San Pablo Bay be desig as locality in which these calibrations are made and instruc issued to destroyers placed comm to report to MI for calib 7/3	W 6;28
418208	From	Card 8	Com-Sub bearings on radio comp operation rec by US AGAMENON. 6;20 Com- BIDDIE 6;26 Com-Frederick 6;30	W
427634	6;20	N L	Reqst audion B bat be sup comp sta Pass A Loutre. To NO- will supply radio compass stations in 8th Dist with storage batteries as soon obtainable at present drawn from store dry cells to accomodate needs 6/30	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
427676	6;20	N L	Reqst audion bat be sup to Grand Isl Comp Station.	
427600	7;21	N O	Reqst furnishing charging equip.	
427718	6;20	Boston	Sub data with prints on radio comp station Damiscove.	
427697	6;19	1st Dist	Sub cable for Compass station, fwd Commun Supt 7/3	
427696	6;20	N O	Reqst audion B bat be sup for Burrwood radio comp station. W	
422090	6/24	To Comdt Boston	Suggestions that runway to be erected at station Cross Is be held in abeyance concurred in by Bureau- req after erection report be fwded W(see 420672)	
428288	6/5 6/24	8th Dist Com	Quarterly inspec report of Burwood Radio Sta. W.	793-5

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
425660	6;13	Boston	Appledoor Isl-Report on. To Codt Boston- auth granted purchase Appledore station enclosure 6/24 To Comdt Boston- reqst negotiations be made for lease for stations Appledore 7/12	W
425869	6;11 6;16	4th Dist Phila	Recs spare gen be furnished Bethony Beach Comp Station. To Phila- auth given for using gas eng gen being replace at Cape Helopen as spre for station Bethany Beach 6/30	
425497	6;26	Boston	Fwds prints of Dere Isl reservation.	W
425907	6;16	NY	Fwds calibration curve of Rockaway Comp Sta.	
426275	6;17	Boston	Oil stoves to be used for heating purposes in shore compass stations. To Boston- rel to heating of 6-20	W
421880	6-17	To New Orleans	Fwds report on location of radio compass station Burrwood La. W	
421881	6-17	To Y&D	Reqst erect house for radio compass, Burrwood. W	
424939	6-16	To Coast Guard	Reqst lay submarine cable between Cape Henlopen Del and Cape May. W	

Fed Tel Co-Weekly report

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
421882	6-17	To New Orleans	Allotment of $200.00 made station Burrwood La. W	
421884	6-17	To New Orleans	Reqst notify upon completion so as to detail engineer to Burrwood. W	
421885	6-17	To New Orleans	Reqst approved in advance for equipment for station Burrwood La. W	
421886	6-17	To New Orleans	Sum of $600.00 allotted for maintenance station Burrwood. W	
425486	6-17	To Comdt Mare Is	Fwds copies of pamphlets on location of radio compass stations. W	
427165	6;13 6;19	Trophical Radio Tel Co Com	Control shore radio comp station from Burwood Station, in con with.	W

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
423866	6-11	TO Phila	Reqst ten copies of radio compass instructions be fwded. W Phila- Fwds descrip and instruc for operation and calibration of radio comp. 6;18 Ph-Fwds copy of radio compass bulletin #1 6;30	
423883	6-11	To Boston	Rel to changes in installn station Surfside, Nantucket. W	
424332	6-11	To New Orleans	Allowance, tools for stations in 8th Dist. W	
424960	6;10	Boston	Fwds memorandum from Ensign S W Dean in con with repairs and alterations nec to Gloucester Comp Sta. To Boston- sum of 300:00 allotted 7/8 Boston-Quarterly inspec report Coast Grd Sta. 8;23 Boston 8;22 Boston-Reqst additional allotment. 8;26	W
		To Boston (T) $125. authorized 8/26 To Boston- To Boston- auth work 9/6 Boston-Quarterly inspec report Gloucester Sta. Oct.		
422101	6-10	To New Orelans	Rel to instal of app station Grand Is.	W
424558	6/10	C&R	Copy of letter to Charleston auth issue 24" motor dory 7581 to North Isl. Comp Sta.	611-2 Y

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Number.	Date.	From or To—	Subject.	
424553	6;10	C&R	Copy of letter to Boston auth issue 24" motor boat to Cross Island Comp Sta.	611-2 Y
424787	6/9	Bost	Defective installation of radio compass on- report covering - W.	126-Q-6
425111	6;12	Coast Grd	Coast Grd pole line between Point Lookout and Long Beach, sub estimate cov, reqst allotment.	W
424367	6-12	To Y&D	Sum of 200.00 allotted covering cost of addtl work station Georgetown Lighthouse W	
423882	6-13	To Y&D	Reqst house be provided for purpose of sheltering gas ehigne charging unit Surfside Nantucket Mass. W	
425332	6-10	New Orl	Rec radio compass stations be equipt w Edison "B" battery. To N O- So have been issued to supply stations with batteires 6-17	W
424939	6:19	Coast Grd	Reqst Yrd furnish nec labor. To CG- sum of $200.00 allotted 7/14 Coast Guard- Rqst $375. be transferred to appropriation, Coast Guard, 1920. 12/4	W

Fwd S&A. 12-12

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Number.	Date.	From or To—	Subject.	
423093	6-6	To Comdt Phila	Reqst for drawing numbers W Phila-Gives drawings number 6;11 To Phila-rel type no of receiver used with model T radio compass 7/3	
423094	6-6 Coast Frd-Reqst allotment of $1,200 for radio room. 8;30	To Coast Guard	Permission granted to quarter navy personnel on second floor of C. G. bldg., sum of 1000.00 allotted covering BARATARIA BAY Grand Island. W	
423679 see 20		To CG addtl allotmet made 10/25	Coast Guard 6/12- No objection	
423492	6-6	To Comdt Boston	Instrucns rel to instal ln of radio compass Damiscove Is. W	
422364	5/31	C&R	Cpy letter to Boston inconnection with 21' motor dory for CROSS Island Compass StationY.	611/2
424099	6-7	C&R	21' motor dory 7593 assigned to Appledore Compass Station Y	611-2
424098	6-7	C&R	Copy ltr to Boston author assignment of 21' motor dory 7708 to Damasco Is Station Y	611-2
423497	6-7	To Comdt Boston	Rel to relocation of radio compass station Deer Is. req print be preapred and fwd denoting exact site. W	
423330	8;25	Boston	Fwds plans of proposed compass house coast grd station #53 To Boston- rel to correction use of sheet and chart 11/25	

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Number.	Date.	From or To—	Subject.	
424367	6;10	Y&D	Radio corp originally allotment insuf, reqst additional.	WR
421342	6-10	To New Orleans	Reqst approved for supplies station Pass a Loutre La. W	
422096	6-10	To New Orleans	Reqst notification upon completion so as to detail engr to station W	
422097	6-10	To New Orleans	Reqst approved for equipment Grand Is. W NO-Reqst additional allotment 6;18	Tel
422098	6-10	To New Orelans	Fwds report on location station Grand Is Coast Guard 214- W	
422099	6-10	To Y&D	Reqst construction of compass house station Grand Island. W	
422100	6-10	To New Orelans	Sum of $600.00 allotted for maintenance of station Grand Island. W	

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
421159	5-31	To Navgn (Hydrograph)	Reqst USC&GS charts 1109 to 1111 inc. be inscribed to denote radio compass stations along Atlantic coast, exact location and charts be furnished by rep of this Bureau. necessary to facil test by cruiser CHICAGO. May 26th, confirmation of work actually accomplished. W	
422375	5/31	C&R	Cpy letter to Boston in connection with 21' motor dory DAMISCOVE Island Compass Station Y.	611-2
422374	5/31	C&R	Cpy letter to Boston in connection with 21' motor dory for APPELDORE Island Compass Station Y.	611-2
422118	6;2	Ship Ord Fwd	Received back 6;17	

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DIRECTION FINDER STATIONS

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Number.	Date.	From or To—	Subject.	
421344	6-5	To New Orleans	Fwds report on location of radio compass station Pass a Loutre, La. W	
~~422774 see card 31~~				
423092	6-5	To New Orleans	Summary of correspondence on establishment of station Pass a Loutre Lighthouse. W	
422962	5;26 6;2	1st Dist Boston	Recs that small tool shed be erected. To Y&D 6;30 RB 7;3 fwd Y&D 7/7	
423554	5;26 6;5	1st Dist Com	Quarterly inspec report of Appledoor Isl Comp Sta. fwd Y&D 6/30	
423607	5;27 6;2	3rd Dist NY	Quarterly inspec report Sandy Hook Comp Station.	

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
423679	6;6	MI	Asks if Bu wishes immediate estimate cov station for 12th Dist, or if same should be held up until something definite is fixed. To MI Tel 6-9 MI-Tel-Submits estimate for various stations. 6;12 To MI Tel 6/25 MI-6;27-Tel-Reqst shipmt of material from 12th Dist to MI for 13th Dist. for Pg Sd. To MI Tel 6/28	W
421341	6- 6	To New Orleans	Reqst after installn of apparatus Pass a Loutre Lighthouse, be notified so as to detail engineer for establishing north and south line.	W

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Number.	Date.	From or To—	Subject.	
423309	6;4	Com	Copy of letter reqst authority to use Burrwood radio station for purpose transm bearings to vessels at mouth Miss River.	W
423379	6;4	Boston	Conf tel conv in con with purchase of bldg ato house personnel, reqst allotment be made cov.	W
423330	6;4	Boston	Report on standardization of radio comp station at Prices Neck. Boston-Conf tel conv in con with re instal at Bar Harbor Comp Station. 7;4 Boston 7;6 To Boston re instaln 7/3	W
422490	6-4	To Boston	Desires errors in installn at station Cross Island be corrected.	W
422090 see 17				
422503	6-4	To Comdt Boston	Reqst radio compass installn and calibration of USS MURRAY be completed during staty at yard Boston.	W

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DIRECTION FINDER STATIONS

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Number.	Date.	From or To—	Subject.
420314	5-24	To Norf	Reqst approved for equipment for station Cape Lookout. W
420315	5-24	To Norf	After installn of apparatus, reqst notify Bureau so engr may be detailed from office Supt Coast & Geodetic Survey for purpose estab north and south line thru center shaft & radio coil and fixing latitude etc. W
420316	5-24	To Supt Coast & Geodetic Survey	Advises engineer will be detailed to station Cape Lookout. W
420514	5-26	To Y&D	Reqst construction of house for trans station Cross Is., C.G. 2, sum of $400 allotted covering same W
420672	5-26	To Boston	Re establishment of station Cross Island Coast Guard 2. W Boston-Sug spec for run way. 6;20
420681	5-26	To Coast Guard	Auth reqstd for establishment of sta Cape Fear, C.G. 193- W

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DIRECTION FINDER STATIONS 1919

Number.	Date.	From or To—	Subject.	
420977	5-26	To Boston Tel	Auth temp arrangements for radio material for Humarock radio compass station on account fire dextruction period Draw from store four B and six A batteries etc. W	
420920	8;2	Boston	Fwds plans of proposed house.	
421296	5;26	Boston	Conf tel conv in con with destruction of quarters of proposed station Humorock by fire.	W
421880 see card 16				
421847	5;28	NY	Fwds calibration of Mantoloking Comp Sta.	W
421340	5-28	To Coast Guard	Rel to construction of station, 190, Grand Island, Barataria Bay La. W Coast Grd- 5;31	
421348	5-28	To S&A	Req ship from South Brook to Norfolk one Genco gas engine generating unit. W	
421160	5-28	To Boston	Rel to establishment of station Appledore Island CG 14- W To Boston- advises auth granted installn 6-14	
421349	5-29	To S&A	Req ship from Washn to Norf radio material for Cape Lookout W R B 9-9	
421883 see 19				

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
419660	5-21	To Secretay Commerce	Permission reqstd establish radio compass station on lighthouse reservation Pass & Loutre La. W ~~To-Secty-Commerce-~~ Dept of Commerce-Grants permission 6;21	
419661	5-21	To Secretary Commerce	Permission reqstd establish station at Cape Fear, N. C., W Dept Commerce-Grant permission to estab station at Cape Fear. W 6;7	
419662	5-21	To Secretary War	Permission reqstd establish station at Burwood, La., W War Dept- Grants permission. 6;19	
419972	5-22	To CHICAGO Tel	Referring phone conversation dept has directed Board join CHICAGO B ston period I suggest that if it is more convenient you anchor in stream and send boat to Yd at ten am for Board rather than come to yard period Commissioner of LHouses will take passage also Coffman comma Dann and myself period if convenient please telephone me today Ho oper W	
420437	5/22	C&R	21' motor dory 7580 assigned to Morris Island Compass Station Y.	611-2

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DIRECTION FINDER STATIONS

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Number.	Date.	From or To—	Subject.	
420671	5-24	To Norf	Summary of correspondence on establishment of station CG 190 Cape Lookout NC- W	
419969	5-24	To Norfolk	Fwds report on location of radio compss station Cape Lookout NC- W	
419970	5-24	To CG	Auth reqstd for establishment of station CG 190 Cape Lookout NC W Coast Grd 5;28	
420310	5-24	To Norfolk	Radio compass apparatus necessary for sta at CG 190 Cape Lookout being shipt to Norf. W	
420311	5-24	To Coast Guard W	Reqst steel signal tower at present in place on CG reservation be taken down and wood pole be substituted, sum of 250 allotted cvrg same. W Coast Grd 5;28	
420312	5-24	To CG	Reqst overhead telephone wire up to post 9 station Cape Lookout be buried in under ground cable. W Coast Guard 5/29- Rqst sketch and specfns of radio compass shore station installn be fum- To CG- fwds sketch 6-3 **To CG- rel to installn start 6/23/19**	6/24
420313	5-24	To Norf	Sum of $600.00 alloted for sta Cape Lookout.	

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DIRECTION FINDER STATIONS.

Number.	Date.	From or To—	Subject.	
418551	5/14	NY	Rqst authorize replacement of Lalley generating unit with the Delco or Genco charging unit, at Montauk Compass Sta.	W.
417889	5-14	To S&A	Req shipment from Phila to Boston three radio trans sets. W RB 6;12	
418885	5;16	NY Tel	Watch Hill Comp Sta completed. To Commun- rel to compl of 5-19 Ship Ord of 5;17 RB 6;13	W
419009	5;15	Boston	Submits report of unexpended portion of allotment at various shore radio compass stations.	W
418143	5-15	To USS MOUNT VERNON Tel	Reqst frequent bearings from radio compass shore stations on approaching NY harbor arrange that Secnav and Admiral Griffin may observe results W	
418453	5-17	To Y&D	Reqst construcn of portable wooden house at Damiscove, Is. for gas engine charging unit. W	
418454	5-17	To Boston	Relocati n of battery charging unit closer to radio compass station Damiscove. W	

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DIRECTION FINDER STATIONS

Number.	Date.	From or To—	Subject.	
418815	5-17	To S&A 920-2	Reqst ship from Phila to Bar Harbor one radio compass coil W	
419020	5:17 Washington, 12/3	Com 841	Reqst suitable portable indicators be furnished each compass station on Atlantic Coast in order to receive time sigs from Arlington Station. W fwd Washn 7/9 R B 9-9 To Washn auth 435.00 for mfg of coils 9/15 Wash 9-18 Returns letter	
418348	5/14	C&R	21' motor dory 2217 assigned for Compass Station Chasth Light House. Y.	611-2
419044	5/16	C&R	Copy of tele to Norf reassinging Motor dory 2217 to Radio Compass Station Morris Island Y.	611-2
419296	5-19 To Sol reqs take steps to secure site 6-16	To New Orleans 2-1-1	Reqst secure plot of ground in order to establish radio station CG 214 Grand Is Barataria Bay La. W To New Orleans- info reqst action taken re purchase 6-3 To New Or- summary of corres 6-10 New Orleans Stat-Tel 6:11	
420296	5;20	Y&D	Copy of letter to Charleston, make allotment cov cost of sterns at Chalreston Lt House Sta. W	
420412	5:15 Coast Guard 7/9 W.	Coast Grd	Reqst authority to instal radio comp stations in coast grd stations where practical on Pacific Coast. W To Y&D- in re to construction of bldg 9/8 To Y&D- re construc barracks for Ocean Park 9/24	

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DIRECTION FINDER STATIONS. 1919 8

Number.	Date.	From or To—	Subject.	
416515	5;1 5;6	CO NJ Com	Report of radio compass bearings rec.	W
416516	5;6	CO SOLACE	Report of radio compass bearings rec.	W
417115	5;3 5;7	CO DIXIE Com	Sub report of bearings obtained from Shore Compass Station with prints.	W
417515	5;9	American RR Corp	Reqst permission for rep to visit all direction finder stations in the vicinity of Boston. To B oston- rel to aobve- 5-19	W
417688	4;20 5;11	CO DEKALB Com	Report of bearings received for Shore Radio Compass Stations.	W
417689	4;20	CO GREAT NORTHERN	Reports of bearings received from Shore Radio compass stations.	W

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DIRECTION FINDER STATION:

Number.	Date.	From or To—	Subject.	
417901	4;29 5;11	CO HUNTINGTON Com	Report of bearings received with shore radio compass stations.	W
417956	5;10 5;12	6th Dist Com	Quarterly inspec report North Isl Radio Compass Station.	W
418208	5/14	Communications	St. Louis. Communications- Susquehanna-5/14 Communications- Seattle. 5/14.	
To Card 17		Communication-Charleston 6;2 " El Sub 6;2 " Seattle 6;4 " R. I. 6;4 " Leviathon 6;10 " Carmania 6;10 " Sag Harbor Comm. Station 6;13 " Otsego 6/13 " DeKalb 6/13 " Madawaski 6;17 " Leviathon 6;17 " Pastores 6;19 " Von Stuben 6;18	Com-Fwds report. - 5;15 ~~-Shipmt-Crd-5;10-RB-5;16~~ Communication-Fwds report 5;15 Communication- Agamennon 5;15 Communication-Charleston 5;15 Newport-Copy-Mt Vernon. 5;17 NY-Calibration curve- MALLORY 5;27 " FIRE ISLAND 5;27 " LOUISVILLE 5;27 Communication - FREDERICK 5;21 " CALHOUN 5;28 " COMUS 5;28	
418561	4/18 5/10	1st Dist. Com	Quarterly inspection report, Compass Sta. Appledore Island. W.	
418511	5;21	TO S&A	Received back 5;30	

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
414574	4;28	Com	Rockaway Beach Radio Compass Station, fwds inspec report. To Commdn- rep of Bu will inspect 5-16	W
414464	4;29	TO S&A	Reqs ship from Brook to Rhode Isl. of gas engine volt bat charging unit. To Boston-Radio app for Watch Hill-reqst shipment. 4;30	W
414455	4;29	To Annapolis	Permission to visit radio station.	W
414953	4;29	To Boston	Authorizes instal of radio spark relay key.	W
414944	4;18	Charleston Isle of Palms Trac Co	Relative to desire for traction station in con with Charleston Radio Station.	W
414462	4;21	To S&A	Received back 5;3	

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Number.	Date.	From or To—	Subject.	
415317	5;1	Com	Sub report by Co Officer Patrica of radio compass Boston Bay.	W
415336	5;1	Com	Shore radio compass station, reports on bearings received by Columbia.	W
415334	5;1	Com	Shore radio compass station, reports on bearings received by America.	W
415496	4;30	Boston	CO AMERICAN-Submits report of radio compass bearings.	W
415720	5;2	Com Service	Copy of letter from USS DECAIB on excellence given by Cape Henry Station.	W
416342	4;25 5;5	CO MT VERNON Com	Submits parts of bearings with Shore Comp Station	W

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DIRECTION FINDERS STATIONS

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Number.	Date.	From or To—	Subject.	
SE 325	4-24	Fwd Boston	Author canc of Reqn 325 W-R	
412612	4-24	To Charleston	Relt o recalibration of radio compass at Georgetown Lighthouse North Island. W	
412950	4-24	To S&A	Reqst shipment from South Brooklyn to Deer Island. One Genco battery charging unit. W	
412951	4;24	TO S&A	Reqst shipment from Phila to Cape Henlopen of one 12 kw eng driven battery charging unit comp. cont 40670. W	
413691	4;24	Com	Engine gen and battery for Watch Hill Radio Compass Station not received, reqst another outfit be supplied.	W
413961	4;11	Dere Isl Comp Sta	Log for quarter ending 11th.	W
414379	4;19	S&A Circular	Transportations of supplies to Compass Stations of 1st dist - reqst be fwd to Norfolk in order to expedite.	W

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Number.	Date.	From or To—	Subject.	
413230	4;26	To Charleston	Location of radio compass station. - Cape Fear, N. C.	W
413756	4;26	To S&A	Reqst shipment from Boston to Charleston of one relay key. RB 6/14	W
413757	4;26	TO S&A	Reqst shipment from Wash to Boston of short wave meters and steel tabular masts.	W
413758	4;26	To N O	Location of radio compass stations Burwood, Pass A Loutre and Grand Isl. New Orleans 5;5	W
413760	4;26	To S&A	Reqst ship from Wash to Charleston of one short wave rec and 2 port steel tabular masts. RB 6;7	W
413761	4;26	To Charleston	Authorizes install at Cape Fear. To Wash- reqst material be held in Supply Dept pending further instruc 6-4	W
413762	4;26	To S&A	Reqst ship from Norfolk to Boston of volt battery charging units. RB 5;16	W

Boston-Tel-Reqst Delco Chrg unit for Cross Isl be ship to Appledore. 7;5 To S&A req correct reports 8/21

Boston-Reqst immediate shipmt of unit for Cross Isl. tel 7;3 Norf-Gives changes made in radio comp. W 7;21

To Norf-Reqts sh pt of another Delco charging battery unit to boston/ 7-16

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
413119	4;18 4;23	Norf Y&D	Asks if radio compass station at Va Beach is to be relocated. To Y&D-Fwd 4;28	W
413109	4;22	Boston	Fwds radio compass calibration curve for Newport.	W
413110	4;22	Boston	Fwds list of apparatus installed radio compass station North Truro.	W
410235	4-22	To Boston	Confirms phone conversation between rep of Bu and radio material officer Bostn omit unilaterial feautre in all future radio compass installn on board ships W	
412375	3;27	1st Dist	Coast Grd #53-Quarterly inspection of radio compass station.	W
413344	4;23 ~~Coast Grd-Reqst plans be returned~~ by Coast Grd. 6;27	Com	Req allotment of $500 for stringing ~~by~~ les copper circuit to radio station Charleston lighthouse. To Commun- sum of 500 allotted 5-17 ~~To CG- transfer cannot be approved~~ 9/10	W

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DIRECTION FINDER STATIONS

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Number.	Date.	From or To—	Subject.
402050	4-22	To S&A	Reqst shipment from Boston to Cross Is 4 radio batteries W
411242	4-23	To Chasn	Sum of $10,000 is considered excessive construc of quarters for personnel is author sum of 1600 authorized for. Morris Is. W
412593	4-22	To S&A	Req ship from Boston to North Truro radio batteries W
412594	4-22	To S&A	Req ship from Boston to Damsicove Is four radio batteries W
412595	4-22	To S&A	Req shipment from Bostn to Bar Harbor Maine, four radio batteries W RB 5;28
412596	4-22	To S&A	Req shipment from Boston to Appledore Is four radio batteries W
412597	4-22	To S&A	Req ship from Bost n to Prices Neck radio batteries W
412598	4-22	To S&A	Req ship from Boston to Watch Hill radio batteries W RB 6;10

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
411115	4;11	Boston	Radio compass station Appledoor Isl., status of.	W
411099	4;10 4;14	5th Dist Com	No quarterly inspection made of Norf radio station and compass station 5th dist for quarter ending 31st.	W
416876	4-15	To Phila	Info reqstd possible date which instrucn pamphlets for operation of radio compass will be sub to Bureau for approval W	
410866	4/14	Newport Training Sta Copy	Chaser 166 detailed at Newport in connection with calibration of radio compasses W.	1/Z-8
410864	4/14	3rd Dist Copy	Ship reported for temporary duty calibrating radio compass - A&W.	448-8
411468	4;15	Com	Fwds copy of letter from USS WILKES, reports on radio compass bearings.	W

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Number.	Date.	From or To—	Subject.	
408640	4/12	To Boston	Asks special attention be given to keeping radio compass stations in efficient condition W.	919
409424	4/14	To N.Y.	Asks special attention be given to keeping stations in efficient condition W.	919
409426	4/14	To Phila	Asks special attention be given to keeping stations in efficient condition W.	919
410176	4/14	To Comdt Boston	Gives allowance of tools and equipment for each radio comp sta in 1st Dist. W.	919
410698	4/14	To Norf.	Asks special attention be given to keeping radio comp stations in efficient condition.	919
410699	4/14	To Chasn	Asks special attention be given to keeping station in efficient condition W.	919
411926	4-17	Communications 919	Shore radio compass operation- Fwds report from USS PITTSBURG	
411242	4-18	To Chasn.	Sum of $1600 allotted to cover cost of work Morris I s. W	
411864	4-18	To Boston	Info reestd if housing for charging unit available. Deer Is. W RB 5.17	
Fwd D.N.C. 7-16		RB 8;7	Com-Quarterly inspec Dere Isl Comp Sta.	7;11
412761	4;19	Boston	Means for carrying supplies to radio compass station Cross Isl. W TO Boston-Fwd 4;25	W

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
	reqstd for Morris Is 5-6		To Comdt Chasn- motor dory for permanent detail	
410336	3:28 4:9	6th Dist Charleston	Quarterly inspec report Morris Isl compass station.	W
410235 see cd 5	Charleston-No authority rec to assign bolt to Morris Isl. 5;5		To C&R- reqst detail of motor dory to Chas LH Morris Is. 4-21	
410518	4;5 4;9	6th Dist Charleston	Radio compass station Morris Isl, recs cov improvements. To Chasn- allot of $400 made 4-18	W
410677	4;12	New York	Report on calibration at Fire Isl Shore Station.	W
410678	4;12	NY	Report on calibration of Rockaway Shore Sta.	W
410763	4;12	Com	Shore radio compass station, report of bearings by Natsonia.	W

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Number.	Date.	From or To—	Subject.	
410764	4;12	Com	Shore radio compass operation, report of bearings furnished by Von Stuben.	W
410765	4;12	Com	Shore radio compass station, report of test made by KEARSARGE.	W
410766	4;12	Com	Recs that test be conducted with airplane type radio compass to determine deficiency in use for shore stations. TO Director Naval Com-Preparing to have test made at Cape May. 4;25 W Com - 4;26	W
410789	4;9 4;12	1st Dist Com	Quarterly inspection report Damiscove Isl radio station. To Boston- sum of 600.00 allotted. 5-19	W
411023	4;14	NY	MONTOLOKING STATION-Report on calibration.	W
411000	4;12 4;14	1st Dist Com	Quarterly inspec report Coast Grd Station 46	W

DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
409242	4;4	Com	Fwds report from CO N. C. on bearings obtained from New York Harbor Entrance radio compass stations.	W
409233	4;7	Com	Fwds report on test of compass stations between Charleston and Chesapeake by Wis. Me.	W
		To Commun-	asks steps be taken to increase efficiency of all compass shore stations	4-19
409395	4;8	Phila	Fwds calibration curve Cape May Radio Sta.	W
407702	4/4	To Sec Navy	Suggested amendment to Naval Regulations in connection with radio compass stations.	742
409673	4;8	Com	Fwds report of MAUMEE on radio compass with prints.	W

Number.	Date.	From or To—	Subject.	
409720	3;27 4;8	CO GA WASHINGTON COM	Report of bearings with radio compass sta.	W
409719	3;27 4;8	CO HUNTINGTON COM	Report of bearings with radio comp station.	W
409904	4;9	New York WRONG ENTRY	Fwds prints showing cable straps for interior communication detectors.	L
409906	4;9	Com	CO PRINCESS MANTOKIA-Submits report on radio compass.	W
410235	4;8	Boston	Conf tel conv relative to status of Watch Hall Radio Station	W
409734	4/2 4/8	DCS 6th Naval Dist Naval Com	Recs for relocating radio station Jacksonville, Fla. and for erecting radio compass at St. Augustine Station. W.	899

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DIRECTION FINDER STATIONS:

Number.	Date.	From or To—	Subject.	
407519	4;1	Com	Relative to using radio station at Burwood, La. for transm bearing shipped from gulf.	W
402050 see	card 5			
407518	4;1	Com	Fwds recs considering location of shore radio compass station at Cape Fear, N. C. and St. Augustine.	W
407516	4;1	Com	Bull Isl., S. C. - Fwds prints showing proposed estab of shore radio compass station.	W
40670	4/1	Phila.	Rqst gas engine driven generator be assigned to Henlopen radio station. W.	629
407347	4;1	Com Superint. Hampton Roads	Cape Hatteras in commission 4;1.	W
408203	4;3	New York	Submits report of calibration of radio compass installation at Montawk.	W

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Number.	Date.	From or To—	Subject.	
408146	4;3	Com	Sub lat and longitude of Smith Isl Comp Station.	W
408376	4;4	Com	Sub report of calibration of various radio compass stations.	W
407701	4/3	To Sec Nav	Suggested addition to Naval Regulations 742 in connection with radio compass stations.	W.
408797	4;3	Boston	Fwds radio compass calibration curve for radio compass station Gloucester.	W
408795	4;4	Boston	Radio Compass station at Cross Isl, Me. fwds prints in connection with, estab of experiment station. To Bost n- space available 4-10 Received back 4.18 TO S&A 3;12 RB 6;8	W
409085	4;1	5th Dist	Submits list of additional entrances to radio station now in operation.	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
476351	? 7/1	?? Ports	Transmitting station and quarters for per- personnel- Appledore - subm estimate cov nec repairs.	W.
420683 see 2			To IM Ports- fwds lease for Clark cottage also reqst further info re reqst for $2,134.00 for installing radio transmitter 2/19 Ports- Comments on 3/5 To Ports- authorizations of $2000.00- 3/16 Ports, 3/24 S&A 7/19 W. fwd Ports 7/21	
493952	5/12 5/14	Bost Ports	Fwds summary of memo invoices for correction. W. fwd S&A 5/19 RB 5/29 W fwd Ports via Comdt Bostn 6-2 RB 6/21 W fwd Ports via Boston 7 2	
494260	5/17	Bos t	Quarterly inspection report	W.
498812	6-18	Fwded C&R	Radio compass 30' motor sailing launch 8168 assigned to Appledore Island. comments on care taken of, by C.G. loss should not be placed on C.G. account many courtesies extended Dept. W Y.	747-1
511020	8-13	To Comdt Boston	Appledore Is Me. rel condition, found upon inspection made by Bureau representa tive. W copy IM Ports RB 9/4 W	
511873	8/16	Boston	Quarterly inspection report. W.	

DIRECTION FINDERS: ApPLEDORE ISLAND RADIO COMP STA

Number.	Date.	From or To—	Subject.	
457848	11/13	Boston	Fwds draft of porposed lease of the Clark Cottage for personnel quarters.	W.
			See 447828-899 Boston - (T) Request status of lease for Clark cottage. 12/22	
458029	11/17	To Solicitor	Reqst lease for property for station Appledore.	W
460532	11-28	Boston	Quarterly inspection report.	W
458382	12/5	To Fleet Base See 919	Radio telegraph radio compass equipments for ANDROSCOGGIN and GRESHAM/ W copy Cdt Boston.	
464852	12/19	Solicitor	Fwds copy of lease with Appledore Island Building Co. covering rental of Clark Cottage at Appledore Station.	W.
465899	12/27	To I.M. Ports	Appledore Station. Re Establishment of.	920-2
470803	1;14 1;10	Ports NY	Request description of 1/2 kw spark transmitter W ~~xxxxxxxx~~ To Ports. Fwds instruction book.	1-23

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N.S.E. Form 134.

DIRECTION FINDERS APPLEDORE ISLAND RADIO COMP STA.

Number.	Date.	From or To—	Subject.	
559754	4/23	Communications	Recommends station be abandoned and dismantled. W.	
To Boston 6-15		To Bost n 7/19	To Boston Reqst Inform 4/28	
Boston- Gives disposn of radio equipt 9/22 W			Boston- Recommendations cov dismantling 5/26 W	
To Boston Gives eqpt at Station 10/1			To Secty 6-13 RB 6/23 W	
Boston 10/5 W			To Boston Tel 6/14	
565925	5/24	Communications	Copy of letter to American T/T/Co directing discontinue loop into Ports radio station which connects with circuit to Appledore compass station. W.	
571006	6/21	Appledore Isl.	Fwds monthly radio reports. W.	
588876	10/5	Boston	Rqst allotment of $125. cov rental of land and building by station. W.	
			To Boston- Authd allotment 10 22	

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[OVER.]

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DIRECTION FINDERS: APPLEDORE IS RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
512822	8-23	To S&A	Reqst shipmt from FSB to Boston Delco charging generator RB 10/22 W.	W
	Boston- Recommends addtl allotment be made. 12/14 W		Boston- as s if assignment is in error. 9/9 W	
	To Boston 12/20		To Boston 9/30	
			Boston- Subm estimates- 11/2 W.	
			To Boston 11-26	
420683	8/25	Fwd Communications	Quarterly inspection of Appledore Island	W
525708	10-26	Boston	Arrangements to put Appldore Is radio sta in commission; request maintenance allowance be increased to $1200; K	
			To Boston 11/5- increase of allt	
			Boston 11/8 W.	
527149	11/2	Boston	Quarterly inspection report. W.	
525191	10/23	C&R	Copy letter to Appledore Is Compass Sta in conn with 30' m.s.l. Y	611-6
528232	11/9	1st Dist. Copy	Considerable work must be effected before station in placed in commission. W.	
553889	3/25	Ports	Returns instrn book, Appledore Island Station. W.	
556077	4/6	Boston	Quarterly inspection report. W.	

DIRECTION FINDERS BETHANY BEACh 1922

Number.	Date.	From or To—	Subject.	
630371	6/28	Y&D	Water supply station- copy action taken, to S&A recommending award below bid. W.	
631463	7/5	Phila.	Fwds log of compass station. W.	
633741	7/19	Phila.	Request auth to turn in motor dory assinged to Bethany Beach to reduce operating expenses. WT Fwds C&R 7/29 RB 8/11/22 YW	
636618	8/8	Phila. (T)	Compass station struck 3 times by lightning. W.	
639146	8/23	Phila.	Request funds be appropriated cov storm doors for quarters. W.	

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DIRECTION FINDERS BETHANY BEACH COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
641992	9/11 9/19	Phila. Y&D	Fwds print showing proposed layout of water supply for stations. W. Fwds Yds & Docks 9/28 Y&D 9/29 Copy of action to 4th Dist W	
643733	9/30	Bethany Beach	Fwds log, quarter ending 9/30 W.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
617286	4/6	Y&D	Copy of letter to Phila. stating approved credit card will be fwded cov salvaging steel mast. W. Y&D- Returns saving under allotment. 4/6	W
620288	4/21 4/24	4th Dist. Y&D	Annualy inspection report. W. Fwds ds & Docks 4/29	
620289	4/24	Y&D	Gives savings under allotment cov work at Eureka & Tybee Island. W.	
620838	4/27	Y&D	Copy of letter to 4th Dist stating no further consideration will be given at present for instln of a well. W.	
625024	5/31	Y&D	Copy of telegram to Phila. directing keep all new construction work back of Coast Guard buildings. W.	

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DIRECTION FINDERS BETHANY BEACYH 1922

Number.	Date.	From or To—	Subject.
626697	6/2 6/5	Phila. Y&D	Rel to relocation of new construction work being kept back of Coast Guard Bldgs. W Fwds Yds & Do ks 6/17
628765	6/19	Y&D	Copy of telegram to 4th Dist asking additional fund necessary for work W
629128	6/21	Y&D	Request auth to expend additional $680. covg water sys WK To Yds & Docks- Allotment made 6/24
629922	6;26	Y&D	Copy of letter to Phila allowing additional expedntirue of $680 for Bethany Beach Sta.W.

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[OVER.]

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DIRECTION FINDERS BETHANY BEACH 1922

Number.	Date.	From or To—	Subject.	
604241	1/12	Phila.	Quarterly inspection report. W.	
604427	1/13	Phila.	Outfitting of quarters- request allotment ~~for purchase of material. W.~~ ~~To Phila- allotment made 1/20~~	
605094	1/10 1/17	Phila. Y&D	Subm reprt in detail rel to attempts to obtain water supply- request geologist be furn. W. Fwds &&D 1/27 W RB 2/21 W. Fwds Yd & Docks 3/14 Y&D- Copy action to 4th Dist. 3/18 W.	
606521	1/26	Y&D	Copy of letter to 4th Dist. authorizing repair dining room sets and refrigerator. W.	
607469	1/26 2/1	Phila. Y&D	Salvable portions of steel mast dismantled at station has been delivered to Phila. W.	

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DIRECTION FINDERS BETHANY BEACH 1922

Number.	Date.	From or To—	Subject.	
608573	2/7	Phila.	Request auth to ise $200 of allotment to purchase furniture for Bethany Beach. W. To Phila- Gives inform rel allotment 2/10	
608699	1/25 2/8	Phila. Y&D	Recommends new refrigerator be furn for barracks. W. Fwd Y&D-2:21 W Y&D- Copy action to 4th Dist. 2/24 W	
612373	3/1 3/4	Phila. Y&D	Sewerage and water supply system of Bethany Beach Sta- fwds prints with comments on. W. Fwd Yds & Docks 3/24	
615601	3/27	Y&D	Copy of letter to auth work in conn with sewer and water systems. W	
616566	4/1	Y&D	Copy of letter to 4th Dist. auth instln of new sewerage system. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
571968	6/27	Y&D	Copy of letter to Phila. giving instrns rel to furniture for Bethany Beach. W.
572759	6/27 6/30	Y&D S&A	Request public bills for furniture for be charged directly to appropriation Engineering 1921. W. fwd Y&D 7/8 Y&D-copy of action to S&A-7;12-W
576937	7/23	Y&D	Request addtl allotment cov furniture for Bethany Beach and Cape Henlopen stations. W. Y&D-Copy action to S&A- 7/25 W. To Y&D - 7/27 Y&D- Copy action to Phila. 7/29 W. S&A- Copy action to Phila. 7/27 W. Y&D- 8/1 W Y&D 10/11 W.
578620	8/2	Phila.	Quarterly inspection report. W
586775	9/16 9/22	Phila Y&D	Fwds permit for location of anchor in street W Fwd Yds & Docks 9/27

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DIRECTION FINDERS BETHANY BEACH 1921

Number.	Date.	From or To—	Subject.
590033	10 11	Phila.	Quarterly inspection report. W. To Phila. Gives ~~inform~~ rel report of instln of Radio compass stations 10/19 Phila. 11/2 W Fwd Yds & Docks 11/8 Y&D-Copy action to Phila. 11/15 W.
594549	10/27 11/5	Phila. Y&D	Modification to compass house and instln of new mast- request arrangements be made cov. W. Fwd Yds & Docks 11/17
599598	12;6 12;8	4th Dis Y&D	Contrs propose to substitute wooden mast in place of moving and erecting steel mast- regt instrns. W Y&D-copy of action to 4th Dis-12;8-Y&D Fwds Yds & Docks 12/16 Y&D 2/3 W. To Yds & Docks- allotment made 1/10
600877	12/17	Y&D	Copy of letter to Phila asking if steel mast could be salvaged and repairs for use at another station. W. Y&D- Copy action to Phila. 1/13 W
		1922	
603386	12/28 1/ 6	Phila. Y&D	Request auth to expend $200 from maintenance appropriation for repairing tining room seats and refrigerator. W. Fwds Yds & Docks cc Phila 1/20 Y&D- Copy action to 4th Dist. 2/2 W

DIRECTION FILDERS: BETHANY BEACH: 1921

Number.	Date.	From or To—	Subject.
543945	1;29	Phila	Fwds specns covering consturction of barracks at Wenlopen and Bethany Beach.W
OVER	To S&A Reqst shipmt of charging units from Norf to Bethany beach 7051 4/18		To Phila via Y&D 2-4-21 Y&D- Copy of action to Phila 2/5 W.
	Y&D Rqst recommendations cov bids. 4/22 W.		Phila-Rqst 2 new charging units be shipt to Bethany Beach- 4/5 W
544783	To Yds & Docks Reqst est be subm 4/28 2/3	Phila.	Confirms telephone conversation in conn with quarters at Bethany Beach. W.
546721	2/15	Y&D	Copy of letter to Phila. authorizing adding modification of existing copies used under specifications 4377. W.
547932	2/15 2/19	Coast Guard Blews, Del. Phila.	Rqst 1200' of two conductor deck cable be furn for Bethany Beach Sta. W. To Phila 2-26
556341	4;7	Phila	Quarterly inspn report.W
556856	4/7 4/12	Phila. Y&D	Fwds revised print showing proposed barracks.W.
557188	4/12	Y&D	Copy of letter to Phila. rel to specifications fpr radio compass buildings at Bethany Beach. W.
556842	4/14	To Coast Guard	Change of site authorized At Station-Reqst site be appvd W Coast Guard-No objections. 4/23 W
556840	4/15	To 9 Dist	Reqst inform re vessel- stating power of transmitter to be used in calibrating radio compass stations on Great Lakes W

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DIRECTION FINDERS BETHANY BEACH

Number.	Date.	From or To—	Subject.
557892	4/18	To 9 Dist	Reqst Inform regarding what steps have been taken to establish position of radio compass stations now building on Great Lakes W
560749	4;23 4;28	Phila Y&D	Suggests make application from Bu Eng covering funds for furniture for.W fwd Y&D 5-5 Y&D-Copy action to Phila. W. 5/7
543945	FROM	OVER	Y&D- Copy of action to Phila. 5/2 cW. Phila- 11/30 W. Fwd Phila 12/13 RB 12/24 KW. To Phila- allotment made Cc Mr Elukirf S&A 12/29 Y&D- Copy action to Phila. 2/1 W
563353	5/11	Y&D	Copy of letter to Phila. stating two ranges shipt to Phila. for use at Station. W.
563996	5/14	Phila	Calls attn to utility of radio telephone 919-1 at Bethany Beach for transmitting their bearings direct to Cape May. W

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[over.]

DIRECTION FINDERS: BETHANY BEACH 1920

Number.	Date.	From or To—	Subject.	
464310	5-5	Phila	Outline of radio work Bethany Beach Compass Sta; W	603
498297	6/7	Y&D	Copy of letter to Phila. in conn with allotment for moving radio compass house and erection of steel masts.	W.
503044	7/2	Phila.	Quarterly inspection report W.	
508297	7/28	Phila.	Subm report on study of wave front variation W	
509118	8/2	Y&D	Returns savings affected from allotments in conn with work authorized. AKW.	604
508670	8-3	To Coast Guard	Rel site for quarters, radio comp station BETHANY BEACH, DEL to COAST GUARD STATION 143- W Coast Guard- Request sketch showing location of buildings. 8/6 W.	
510431	8-10	To Y&D	Radio compass station Bethany Beach site for quarters at. W Y&D - Copy of action to Phila. 8/19 W	
513645	8/25	Y&D	Copy of letter to Phila. fwding plans of quarters. W.	

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919-4 DIRECTION FINDERS: BETHANY BEACH

Number.	Date.	From or To—	Subject.	
517607	9-15	Phila	Quarterly inspectinn report; W	
523628	10/16	Y&D	Copy of letter to Phila. in conn with allotments covering compass instlns at Bethany Beach and Cape Henlopen. W.	
528168	11/1	4th Dist.	Quarterly inspection report. W.	
532034	12/4	c 4th Dist	Static report at Bethany Beach. W	
533893.	12/6	4th Dist.	Static report week ending 12/5 W To Navigation 12/15 To Phila 12/15 commends elec in charge rel results obtained W	
535883	12/20	Phila.	Quarterly inspection report. W.	
538787	1/6	Philadelphia	Fwds description of radio instln. W.	
542131	1/21	4th Dist.	Fwds reports of observations on static taken by compass stations at Bethany Beach and Cape May. W.	

DIRECTION FINDERS BETHANY BEACH

Number.	Date.	From or To—	Subject.
477017	2/18	Phila	Fwds photo with report of inspection cov damage by recent storm. W.
SEE OVER		Phila- Recommends work be done simultaneously, 3/9	To Comdt Phila 3/3
		To Cdt Phila 3/11	Phila- Request authority to change location of Compass house. 3/8
		To Cdt Phila. 150.00 authr for Bethany Beach 3/13	
479633	3/3 3/4	4th Dist Communications	Reqst appropriation for quarters for personnel at Bethany Beach Compass Station.
479454	3/5	To S&A	Reqst shipment from Phila to Bethany Beach radio appr. W
481977	3-16	4th Dist (copy)	Compass station out of commission until further notice due to moving compass house; W
487104	4/10	Phila	Quarterly inspection report - W fwd Com 4-13 RB 4/15 W.
487228	4/13	Bethany Beach (T)	Calibration completed; also calibration in 4th Dist completed. W.
487321	4/13	Bethany Beach Copy	Calibration completed. W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
477017	from OVER		Phila- Request shipt orders be issued for telephone for Cape May Comp Sta. 4/17 To Comdt Phila. comments on results 4-24 Y&D- Copy of action to Phila. 5/11 fwd Y&D 6-3	W. W.
490275	4/21 4/27	4th Dist Communications	Quarterly inspection report fwd Com 4/29	W.
492460	5/3 5/6	Cape May Phila	Proposed new construction at Bethany Beach Comp Sta.- Subm recommendations with print.	W.

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DIRECTION FINDERS _BETHANY BEACH

Number.	Date.	From or To—	Subject.	
457704	11/13	Phila.	Subm report of inspection of Bethany Beach Radi o Compass Sta. as regards other than personnel operations matters. W.	
457835	11/15	To Y&D	Allotment of 75 made covering work W cc to Cdt Phila Y&D - Fwds copies of correspondence. 11/19	
461822	12/5	Communications	Recommends coil shaft be firmly attached. W. To Phila- instructions be followe 12/9 Phila. 12/18	
464965	12/20	Phila.	Request authorize shipt of vacuum tubes to Cape May Compass Station, for use in testing amplifier. Also similar quantity to Bethany Beach W. X 919 - 9 To Phila- auth to issue 12 vacuum tubes 12-29 Inspr Phila- Aircrft facty requests 50 vacuum tubes for stock. 1/8 To Comdt Phila- 1-10	
466084	12/30	Communications	Recommends ammeter be furnished Cape May and Bethany Beach radio Comp Sta. W	919-9

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
469861	1/16	Phila.	Reports on inspection of matters other than personal operations.	W.
470316	1/16 1/19	4th Dist Communications	Quarterly inspection report. Fwd D.N.C. 1-21	W
473058	1/30	Comm	Report on oscilating tubes and straight detection method for radio compass at Bethany Beach compass station. W	919
474399	2/6	Bethany Beach Copy	Compass out of commussion due to weather.	W
474990	2/6 2/9	Bethany Beach Communications	Subm report on station being out of commission due to recent storm.	W.
475911	2/9 2/10	Bethany Beach Co,mmunications	Subm report of damage and steps taken to eliminate fwd Comm 2/16	W.

DIRECTION FINDERS BURWOOD COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
61 8836	4/12	New Orln.	Quarterly inspection report. W.	
633607	7/19	Coast Guard	Ask if shall maintain telephone communication to Burwood and Pass A Loutre. W. To N O Reqsts nform 7/28 New Orln- Telephone connections not required 8/7 W To Secy Treasury-Tele serv at Pass a Loutre unnecessy 8/29 W	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS BURWOOD COMPASS STATION.

Number.	Date.	From or To—	Subject.
537049c	12/20 12/27	5t Dist. Norf.	Rqst radio and radio comp bulletins be furn as drawn up by Phila. labr. W.
544707	1/29 2/4	8th Dist. Communications	Tropical radio Co. have completed instln of new engine. W.
545505	2/5	New Orln.	Quarterly inspection report. W
559398	4/18	8th Dist.	Quarterly inspection report. W.
563519	5/11	Tropical Radio Tele Co.	Returns statement cov rental of Burwood station March, 1920 and February 1920, properly certified. W. fwd S&A 5-16
578975	8/1	New Orln.	Quarterly inspection report. W.
582178	8/22 Tropical Radio Tele.Co.-10/8 W	Tropical Radio Tele Co To DirComm- - 9/6 RB 9/28 W To Tropical Radio Tel Co Gives inform 9/9 To Submits report 10/4	Objects to use of Burwood station for other than radio compass purposes. W.
584596	9/6	New Orln.	Burwood and Passe A Loutre Sta- Grand Isl.- Weather observing instruments- request allotment cov. W. Fwds Aeronautics ec NO 9/15

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DIRECTION FINDERS BURWOOD COMF STA

Number.	Date.	From or To—	Subject.
588256	9/30	Tropical radio Tele. Co.	Statement cov rental of Burwood station 7/1/21 to 9/30/21. KW To S&A Gives instrns 10/7
588615	10/11	FwdDisb officer	Rel damage to equipment in transit— Gives instrns W cc 9 Dist
599891	12/8	New Orln.	Quarterly inspection report. W.
		1922	
607090	1/20	New Orln.	Quarterly inspection report. W.
616093	3/31	Tropical Radio Tele. Co.	Subm bill for rental. KW. To-- Gives Action cc 8 Dist 4/14 Tropical Radio Co- Ask if compass work is to be abandoned instn Dist. 4/17 W. To S&A- Rwds invoice 4/19 To Tropical Radio Tel Co- not interested in purchase of the Burwood station 4/29 To NO-- Gives inform 5/5 RB 6/19 W To Tropical Radio Telegraph Co- Gives inform 6/28

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DIRECTION FINDERS BURWOOD COMPASS STATION

Number.	Date.	From or To—	Subject.	
473676	1/29	New Orln.	Radio comp sta at Burwood complete with exception of calibration. W. To 1M N.O. directs cooperation with Tropical Radi Co if desire make installn 2/6	
472490	1/22	N Orl	Submits estimate covering copper sheathing of motor dory for Berwood radio compass station. W&V. New Orln 2/14 Fwd C&R 3/3	919-24
487829	4/13	New Orln	Subm report on calibration. W.	
496356	5/21 5/22	New Orln. 8th Dist	Request addtl allotment of $1040.24 to complete work. W. Fwd Y&D via S&A 5-29 Y&D- Copy of actionnto 8th Dist. 6/3 W	
498860	6/7	New Orln.	Radio station and quarters completed, ready for operation W. To Tropical Rad Tel Co- reqst instaln of radio appr be made 6-16 to Coast Guard- reqst lines at Pass a Loutre and Burwood be placed in reliable working conditon 6-16 To F.O. rel above 6-16 Tropical Radio Tele.Co.- 6/23 W. To Tropical Radio Co- acknow recpt 6/25 Coast Guard- Report of inspection. 7/8 W.	

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N.S.E. Form 134.

919-5: DIRECTION FINDERS: BURWOOD COMPASS STATION.

Number.	Date.	From or To—	Subject.
508137	7:22	N Orleans	Request authority to furnish Tropical Radio Co with one set of Gould Storage Batteries for use of Burwood. W
	To IM NO	Fwds cc of let 8/2 8-	To Tropical Rad Tel Co. advise if Co desire make purchase 8-2
	To N.Orlsn. 8/10		Tropical Radio Tele. Co. Rqst instrns. 8/4 W
	New Orln. 10/4 W.		
	To N.Orlsn 11-19	RB 12/4 W	
	To Tropical Co 11-20		
508351	7/27	New Orln.	Request authority to expend $100 for purchase of voltmeter and ammeter. W.
515336	8/30	New Orln.	Requrest 6 coils for transformers. W/
517239	9-9	New Orleans	Deviation curve; W
516552	9-22	To S&A	Reqst shipmt of radio amplifer fro m Washn to N.Orlns W
519128	9/16	New Orln.	Quarterly inspection report. W.
531712	11/26	New Orln.	Request copy of contract with Tropical radio Tele. Co. for rental of Burwood sta. W. To N.O. 12/7
532199	12/1	Communications	Report covering trouble getting power at Burwood for radio compass bearings. W.
	To Commun 1/3/21		To Tropical Radio Tel Co 12/7- reqst investgn of condition at station- with recs W
	To Tropical Co 1/4/21		Tropical Radio Telegraph Co. 1/9 W.
			Tropical Radio Tel Co-detailed comments in connection with complaint against Burrwood-12;22

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[OVER.]

DIRECTION FINDERS: BURWOOD COMPASS STATION.

Number.	Date.	From or To—	Subject.	
459352	11-19	New Orl.	Rqst 2 additional storage batteries be furn for use at station.	W
461402	12/1	New Orl	Will be ready for establishment of true North and South line by 12/10/ W.	
462192	12/5	New Orln	Request Library be furnished for use of station personnel.	W.
462352	12/9	New Orl copy	Burrwood Station temporarily out of commission; mechanic will make repairs. W. New Orl - T - Station in full commission.	12/22
463068	12/12	N Orleans T	Reqst arrange with Coast & Geodetic Survey for engineer to accompany DRMO on 12/15 to establish true North & South at Pass A Loutre & Burrwood - W Phila- Fwds status report. 1/17 Phila- Status of experimental work. 1/17	
463263	12/9	New Orln.	Subm report of trouble and repairs to Fairbanks Morse engines.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
463204	12/12	New Orl.	Subm inform rel to facilities for quarters for enlisted personnel.	W.
464321	2/5	War Dept	Authorized To I.M. N.Orl- Reqts all descriptive matter and appvl of Co for transfer. 12-24 To Secty of War- auth reqst to take over two cottages for housing personnel Burwood 1/27 To IM NO 2/13 New Orln- Subm estimates covering repairs. 3/1 To IM N.Orlns 3/6	
465886	12/24	New Orln.	Subm report on status of Burrwood Radio Comp Sta/ To I.M. New Orl. Auth to draw from store magnetic transmitting key. New Orl. 1-5	W.
466504	12/29	New Orln.	Quarterly inspection report.	W.
470156	1/15	New Orln.	Fwds photos of Burwood radio comp sta.	W.

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[OVER.]

CAPE HATTERAS DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
641540	9/15	Norfolk T	Cape Hatteras Compass Receiver in commission Poiners Hill motor boat received W	
650389	11/21	Y&D	Copy of letter to Norf stating approved credit card will be fwd covering savings of allotment for New flue in quarters W Y&D 11/21 Returns savings W	
650731	11/22	Norf	Quarterly inspection report W	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

CAPE HATTERAS DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
549269	2/15 2/28	Y_D Norf	Rqst instrns cov instln of gasoline stg tanks at Cape Hatteras. W. fwd Y&D 3-8	
553647	3/25	Norf.	Quarterly inspection report. W.	
570819	6/20	Norf.	Quarterly inspetrion report. W.	
572522	6/27	Norf.	Fwds report on calibration of station. W.	
578905	8/3	Norf.	Request authority to/locate compass house. W To Coudt Wash- 8/13 To Norf 8/13 Coast Guard- authorizes. 8/17 W? To Norf via Yds & Docks Gives Action 8/31 Y&D- Copy action to Norf. 9/2 W. Norfolk 9/21 location satisfactory W To Washn- Gives Action cc Yds & Docks 9/27	
586920	9/23	Norf. (T)	Request cable be furn in conn with relocation of station. W. To Norf Authorized 9/24	
587543	9/27	Norf.	Quarterly inspection report. W.	

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DIRECTION FINDERS CAPE HATTERAS 1921

Number.	Date.	From or To—	Subject.	
589249	10/7	5th Dist. Copy	Station out of commission while building is being moved. W. Norf. -Copy- Station out of commission during relocations. W.10/7	
590136	10/13	Ham.Rds. Cpy	Calibration will not be completed before 1 10/16 or 17. W.	
597178	11/22 11/23	Norf. Y&D	Recommends new shingled roof be installed over present roofing in barracks. W. Fwd Yds & Docks 11/30	
600664	12/15	Norf.	Quarterly inspection report. W. To Yds & Docks- Gives instrns 12/21 RB 1/31 W Norf- Copy action to Y&D- 1/26 W Fwd Yds & Docks 2/9 Y&D- Copy action to Norf. 2/13 W.	
601407	12/20	Norf.	Quarterly inspection report. W.	
601850	12/23	Norf.	Report of calibration of compass station. W.	

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CAPE HATTERAS: DIRECTION FINDERS:

Number.	Date.	From or To—	Subject.	
471128	9;16	Norf	Quarterly inspection report. cross to 1002 To Norf. Necessary action to furnish station with spare aerial will be taken. 1-24 Fwd Operations. 1-24 RB-1;30 fwd Norf 2/2	
472235	1;26	Norf	Quarterly inspection report. W	
475665	2/10 2/12	5 Dist Communications	Quarterly inspection report.	W.
481194	3/16	To Coast Guard	Reqst Coast Guard construct an independent circuit between radio compass and radio station at Cape Hatteras. Also desire establish circuit between Capt Hatteras and Cape Lookout. W	
	Coast Guard- Request transfer $839 to appropriation, Coast Guard. 5/1 W		Coast Guard 3/19	
	To S&A- rel trans to C.G. approp 5/10 RB 5/15 W. fwd S&A 5/11 W		Coast Guard- 4/22-Independant circuit completed 4/5. 4/22 W.	
484326	3/27	Norf	Cape Hatteras Comp Sta- quarterly inspection report.	W.
464310	4-6	Norf	Outline of radio work Cape Hatteras compass Sta: W	604
488839	4/16 4/21	5th Dist Communications	Quarterly inspection report fwd Com 4-23	W.

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Number.	Date.	From or To—	Subject.
503997	7/7	Norf.	Quarterly inspection report. W.
504947	7/12	Norf	Subm estimate with prints covering alterations. W.
505359	7/10 7/14	5th Dist. Communications	Quarterly inspection report. W. fwd Com 7/19
512553	8/19.	Norf.	Fwds report covering recalibration of W.
533292	12/6 Norf- Subm estimates. 2/7 W Fwd Norf 2-14-21 RB 2-18 Fwd Norf 2-24 RB 3/11	Norf.	Request authority to prepare requisitions for work at Cape Hatteras and Cape Lookout Compass stations. W. To D. Norf athy appvd 12-11
534327	12-15	To Norf	Reqst report covering expenditures- W
535322	12-22	To Norfolk	Reqst report covering observations taken on vessel equipped with arc transmitter W fwd Comm 12/22 Norf 4/20 W.

DIRECTION FINDERS RADIO COMP STATION CAPE HENRY 1922

Number.	Date.	From or To—	Subject.	
651734	11/29	Norf.	Confirms telephone conversation requesting additional allotment coverng improvements. W	
651818	11/29	Y&D	Request addtl allotment cov repairs to station. W. Y&D 12/2 Rqsts auth covering allot W Y&D 12/4 Copy action to Norf W. To Yds & Docks- Allotment authd 12/13	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS RADIO COMPASS STATION CAPE HENRY 1921

Number.	Date.	From or To—	Subject.
587620	9/26	Norf. (T)	Station out of comm ssion for calibration; Cape Charles Light vessel out of commission for repairs. W.
588084	9/30	Norf. (T)	Recalibration completed. W.
600475	12/14	Norf.	Calibration report. W.
600858	12/16	Norf.	Quarterly inspection report, Va. Beach. "
611977	3/1	Norf. (See Sig)	Ask if War Dept will construct steel tower to replace observation platform in rear of Va. Beach Sta. W. to WarDept- Ask if steel tower contemplated for point -reqst inform rel 3/11 War Dept- 3/17 W. To Norf- Gives inform 3/23 War Dept- 3/22 W. To Norf- gives inform 5/13
618315	4/15	To Washn	Radio Compass Commn Line between Virginia Beach Va and Poyners Hill- Gives Action taken W Coast Guard- Will begin work when permission is granted by Weather Bureau 4/21 W.

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DIRECTION FINDERS RADIO COMPASS STATION CAPE HENRY 1922

Number.	Date.	From or To—	Subject.
619665	4/20	5th Dist. (T)	Calibration of Va. Beach completed; are calibrating Hog Isl. W.
619958	4/21	Norf, (T)	Va. Beach compass out of commission due to calibration. W.
630345	6/27	Norf.	Quarterly inspection report. W.
639965	8/31	Norf (T)	Complete TD transmitter fwded to Virginia Beach- Request disposition of parts other than motor generator control. W.
648850	11/9	Norf T	Calibration of compass station completed. W

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DIRECTION FINDERS RADIO COMPASS STATION CAPE HENRY 1921

Number.	Date.	From or To—	Subject.
554247	3/28	Norf.	Quarterly inspection report. W
556286	4;8	Norf copy	Will finish calibration of Virginia Beach April 12.W
557304	4/13	Norf. Copy	Station calibrated and will be placed in commission. W.
563528	5/6	Norf.	Fwds true meridian data for Virginia Beach Station. W.
567351	5/26 6/1	Norf/ 5th Dist.	Request coast and geodetic survey verify location of station. W. fwd Commun 6-14
564014	6-7	To Coast Guard	Abandonment of Cape Henry station W Relocated at Virginia Beach.
569590	5-15	To Norf via Y&D	Disposition of beaver board- Cape Henry W copy Coast Guard W
570319	6/17	Y&D	Copy of endorsement to Norf. rel to disposition of beaver board. W.

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DIRECTION FINDERS RADIO COMPASS STATION CAPE HENRY 1921

Number.	Date.	From or To—	Subject.
570691	6/17	Communications	Willestablish position of station and advise Bureau. W. fwd DCS 5th Dist 6-24
570821	6/20	Norf.	Quarterly inspection report. W.
571271	6/22	Norf.	Report cov instln and calibration of station. W.
586386	9/8	Va Beach	Submits list of furniture not yet received W Fwd Norf 9/23
586947	9/23	Norf/ (T)	Ask Shipping route of receiver for station. W To Norf (T) Gives Status of shipmt 9/26
587320	9/26	Norf. Cppy	Station will be out of commission 9/28 instead of 9/26. W.
587411	9/26	Norf.	Quarterly inspection reprt / W.

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DIRECTION FINDERS: RADIO COMPASS STATION CAPE HENRY

Number.	Date.	From or To—	Subject.	
472264	1;26	Norf	Quarterly inspection report. W	
474625	2/7	To IM Norfolk	Reqst report when changes have been made in arrangement of apparatus in compass house W Cape Henry Norf - Progress report 3/4 Norf 3/29 W.	
484101	3/26	Norf	Cape Henry Comp Station - quarterly inspection report. Communications 4/21 W.	W.
488803	4/16 4/21	6th Dist Communications	Quarterly inspection report fwd DNC 4-23	W
490695	4/29	Norf	Calibration of Cape Henry station Fwds prints.	W.
496542	5/28	5th Dist Copy	CapeHenry controls to Naval Base in commission.	W
498335	5/6 5/8	CO SANDPIPER Communications	Fwds chart of radio bearings received from Cape Henry and Hog Island. fwd Com 6-17	W.

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Number.	Date.	From or To—	Subject.	
499188	6/12	Cape Henry Copy	Compass station will be out of commission on hour due to rewinding coil.	W.
502121	6/28	Norf.	Re-establishment of North and south line and re-calibration - report covering. W.	
502979	7/6	To Norfolk	Relocation of radio compass station Cape Henry. Reqst survey be made. W Norf. & Fwds print showing proposed relocation. 7/15 W	
503999	7/7	Norf.	Quarterly inspection report. W.	
504944	7/12	Norf.	Relocation of Cape Henry Compass station- fwds print with estimate, and report cov. W. fwd Y&D 7/29 RB 9/8 W To Norf. Y&D will supply furnisture. 9/10 fwd Y&D 9/10 RB 9/20 W.	
531873	11/29	Norf. Copy	Compass communication between Hog and Henry out of commission due to storm. W.	
535120	12/1 5	Norf.	Quarterly inspection report. W.	
533610	3/25	Phila.	Geographic location of station now ready for service. W.	

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DIRECTION FINDERS CAPE LOOKOUT COMPASS STATION 1922 4

Number.	Date.	From or To—	Subject.	
652105	11/29	Chasn.	Quarterly inspection report W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS CAPE LOOKOUT COMPASS STATION 1921 3

Number.	Date.	From or To—	Subject.
600663	12/15	Norf.	Quarterly inspection report. W.
601201	12/20	Ham.Rds. Copy	Hatteras land line in commission. W.
601628	12/22	Y&D	Copy of endorsement to Norf. requesting estimates cov suitable cooking range. W.
		1922	
603140	1/4	Norf.	Report on calibration. W.
614996	3/22	Norf.	Quarterly inspection report. W. To Norf- Authd 4/11
614995	3/22	Norf	Request Bureau form 386 be furn to radio stations listed. W. To Norf- Fwds Instructions 3/31

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DIRECTION FINDERS CAPE LOOKOUT COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
624502	5/19	tNorfolk	Quarterly inspection report: W.	
623708	5/17	To S&A 310	Reqst shipment of battery from Norf to Cape Lookout W RB 6/3/22. W.	
637888	8/16	Chasn. (T)	Request truck formerly at Paris Isl. be assigned to station. W.	
641319	9/13	Norf.	Quarterly inspection report. W. To Norf Recomdn approved 9/23 Norf- Request 2 Edison batteries be from. To S&A Reqst shipment of batteries from Chasn to Cape Lookout 1251 10/10	10/3 W
650732	11/22	Norf	Quarterly inspection report W	

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DIRECTION FINDERS CAPE LOOKOUT RADIO COMP STA. 1920 1921

Number.	Date.	From or To—	Subject.	
535322	12/16	Norf.	Quarterly inspection report. W. fwd Commun 12/22(RB 1-8)	
543982	2-3	To Coast Guard	Communication lines for Cape Lookout. W fwd S&A 2-15	
			Coast Guard- Request transfer of $850 . W. 2/8	
545536	2/9	C&R	Copy of letter to Norf assigning 17' pulling dory to Cape Lookout Comp Sta. W. C&R- 3/17 W.	
547488	2/19	Norf. Copy	Station out of commission due to new instln.W	
553269	3/23	Norf.	Quarterly inspection report. W.	
559237	4/21	5th Dist. Copy	Station placed in commission 4/21 W.	
559920	4/26	To S&A	Reqst shipmt of battery from Norf to Cape Lookout 7170 L	
562839	5/9	Norf. (T)	Underground cable from pole line to compass house defective- recommends be replaced. W. To Norf Tel 5-11	
570824	6/20	Norf.	Quarterly inspection report. W.	

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DIRECTION FINDERS CAPE LOOKOUT RADIO COMP STA 1921

Number.	Date.	From or To—	Subject.	
572472	6/29	Norf.	Fwds special report cov calibration of station. W.	
573661	7/7	Norf copy	Coast Guard land line ~~between Lookout and Hatteras compass station out.~~ W.	
579710	8/8	Norf.	Request shipt of addtl stg batteries be cancelled. W.	
581976	8/22	Norf. Copy	Reports control circuit cut. W.	
587024	9/23	Norf.	Quarterly inspection report. W. To Dir Comm- cc Norf 10/1	
589939	9/12 10/11	Cape Lookout Comp Sta Norf.	Subm list of house furnishings not recd. W. Fwd Norf 10/22	
590152	10/13	Norf. (T)	Calibration completed. W.	
599691	12/1 12/9	Cape Lookout Comp Sta. Norf.	Request transformers be furn. W.	

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DIRECTION FINDERS :CAPE LOOKOUT RADIO COMP STA

Number.	Date.	From or To—	Subject.	
457910	11/14	Coast and Geodetic Survey	Fwds report of Capt. C.D.Quillan on position of Cape Lookout Radio Compass Sta.	W
469837	12/31 1/16	Ham.Rds. Communications Copy	Quarterly inspection report. Fwd D.N.C. 1-19	W.
472261	1;26	Norf	Quarterly inspection report.W	
472262	1;26	Norf	Quarterly inspection report.W	
484103	3/26	Norf	Cape Lookout - Quarterly inspection report.	W.
464310	4-6	Norf	Outline of radio work Cape Lookout compass sta; W	604
9 488800	4/16 4/21	5th Dist Communications	Quarterly inspection report fwd Com 4-23	W
490694	4/29	Norf	Calibration of Cape Lookout Comp Sta- fwds prints.	W

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DIRECTION FINDERS: CAPE LOOKOUT RADIO COMP STA

Number.	Date.	From or To—	Subject.	
491396	5/3	C&R	40' m.s.l. 2636 assigned for shipment to Hog Is compass sta; and launch 6592 to Cape Lookout compass sta; Y	611-2
502571	6/30	N.Y.	Quarterly inspection report. W.	
504945	7/12	Norf	Subm estimate with prints cov alterations. W.	
505360	7/10 7/14	5th Dist. Communications	Quarterly inspection report. W. fwd Com 7/19	
509314	8/2	Y&D	Copy of endorsement to Norf. requesting expedite work on radio compass stations, Cape Lookout and Poyner's Hill. W. Y&D-Copy of action to Norf. 8/21 W	
519254	9/25	Norf.	Quarterly inspection report. W.	
533882	12/9	Y &D	Fwds specifications covering remodeling old Coast Guard building constructing radio compass house, etc. W.	
534326	12-15	To Norf	Increases allowance of Cape Lookout-reqst report W	

DIRECTION FINDERS CAPE MAY N.J. 1921

Number.	Date.	From or To—	Subject.	
573123	7/1	Cape May	Fwds inventory W.	
590035	10/11	Phila.	Quarterly inspection report. W.	
		1922		
603886	1/10	Phila.	Fwds inventory of report on station. W.	
615301	3/24	Y&D	Copy ofletter to Phila. stting fire extinguisher will not be necessary. W.	
627339	6/8	Y&D	Copy of letter to S&A recommending award be made to G. S. Curtiss cov construction of storm sash vestibule and heating syste. W	
628455	6/14	Phila	Ask if 32 volt gas engine set is available W To Phila has issued shipment order 6/28	

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DIRECTION FINDERS CAPE MAY NJ 1922

Number.	Date.	From or To—	Subject.
629374	6/23	To S&A 562	Reqst shipment of delco unit from Norf to Cape May W Phila 12/13 W To Phila- apprn authd 1/6/23
633781	6/30	Phila.	Quarterly inspection report. W.

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DIRECTION FINDERS CAPE MAY N.J. 1920

Number.	Date.	From or To—	Subject.
520536c	10/1 S&A 12/28 To S&A 12/30 Fwd S&A 1/4/21	Phila. W.	Request authority to supply material listed to Cape May compass stat on. W. Phila. 11/15 W. Fwd S&A. 11-24 RB 12/23 S&A. Rq st action. 12/13 W To S&A fwds 12/22/20
521822	10/7	Phila.	Confirms telephone conversation in conn with printing of radio compass bulletins Cape May building program and oscilators on K boats. W.
525551	10-21	Phila	Report on test of new location for Cape May comp sta; W
528167	11/1	4th Dist.	Qqarterly inspection report. W.
529117	11/13	Y&D	Copy of endorsement to Phila authorizing construction of battery house and operating communication line. W.
531993	11/30	Y&D	Copy of letter to 4th Dist. authorizing to use available balance from other allotments covering cost of communication lines. W.
532234	11/27 11/30	Cape May 4th Dist.	Subm report on static observations. W

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DIRECTION FINDERS CAPE MAY N.J.

Number.	Date.	From or To—	Subject.	
535849	12/18	Phila.	Quarterly inspection report, W.	
544986	2/4	Phila.	Confirms telephone conversation in conn with status of old Cape May Sta. W.	
54498			Phila- Confirms conversation in conn with use of old radio compass station at Cape May for experimental purposes.	2/3.W
545861	2/8	Phila.	Charging batteries at Cape May Sta.-recommends supply motor generator for W.	
			To Phila- comments 2-25	
549078	2/18 3/1	4th Dist. Y&D	Rqst authority covering sale of old radio compass station, building be fwded. W fwd S&A 3-9	
550030	3-8	To Comdt Phila	Battery charging equipment for Cape May W	
550589	3/9	4th Dist	Fwds static reports from Cape May and Bethany Beach. W.	
554216	3/28	Phila	Fwds photos of N.Y. radio comp station. W.	
557737	4/13	Phila.	Quarterly inspection report. W.	

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DIRECTION FINDERS: CAPY MAY N.J.

1919

Number.	Date.	From or To—	Subject.	
458937	11/21	To S&A	Reqst shipmt from Washington to Phila one airc radio amplifier. W RB 2/9	
464965	12/20	Phila.	Request authoize shipt of vacuum tubes to Cape May Compass Station, for use in testing amplifier. Also similar quantity to Bethany Beach W.	919-4
466084	12/30	Communications	Recommends ammeter be furnished Cape May and Bethany Beach radio Comp Sta.	W.
467086	1/5	Communications	Recommends mercury arc rectifier be furn to enable present motor generator to improve charging facilities. To Phila- Fwds letter for recommendations and return. 1-12 N.Y.- Not nec to install rectifier at Cape May. 1/15	W. W.
476386	2/13	Phila	Subm report of inspection of Cape May Comp Station, incident to storm To Cdt Phila 3/3 Phila 3/8 Phila 3/23 To Com t Phila 3/31	W.

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Number.	Date.	From or To—	Subject.	
487103	4/10	Phila	Quarterly inspection report - W	
490273	4/21 4/27	4th Dist Communications	Quarterly inspection report fwd Com 4/29	W.
492461	5/8	Phila.	Ask if Cape May may continue to handle commercial traffic. Cancelled.	W
501659	6/25	Phila	Quarterly inspection report W.	
511014	8-12	To Phila (T)	Make tests Cape May, report results by wire not later than August 15th. W	
514386	8/27	Phila.	Quarterly inspection report. W.	
518028	9/7 9/18	4th Dist. Y&D	Reports interference with airship landing field. W.	

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DIRECTION FINDERS CAPE HENLOPEN COM. STA. 1922

Number.	Date.	From or To—	Subject.	
641276	9/15	To S&A 1065	Reqst shipment of material from washn to SO Phila W RB 11/7 W	
			Phila- Request authorize shipt of coil system. 10/4 W.	
		#1265	To S&A Rqsts shipmt of Coil from Phila to Cape Henlopen. 10/11 W	
641891	9/13 9/18	4th Dist. Y&D	Subm estimates cov re-roofing barracks building and constructions of board walk. W.	
			Fwds Yds & Docks 9/23	
			Y&D- Copy action to Phila. 9/26 W.	
645234	9/30 10/14	Cape Henlopen Phila.	Subm copy of station routine. W.	
650670	11/21	Phila	Rqsts Washington be directed to ship B Battery and vacuum tubes W	
			To S&A Reqst shipment of mat from Washn to SO Phila 1590 11/27 RB 1/13/23 W	

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1922

DIRECTION FINDERS Number.	Date.	CAPE HENLOPEN COM. STA. From or To—	Subject.	
650660	11/23	To S&A 1573	Reqst shipment of mat Phila to CO Pensacola W	

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DIRECTION FINDERS CAPE HENLOPEN COM STA 1922

Number.	Date.	From or To—	Subject.	
622946	5/3 5/10	Dept Commerce JAG	Fog signal bldg on Beacon site at Cape Henlopen; Ask if station has been sold & demolished W Fwds Phila 5/13 RB 6/8/22 W To Judge Advocate General- Gives Inform	6/29
629528	6/23	Y&D	Compass Sta Cape Henlopen recommends award of contract for improvements to Marshall Gough Co W Y&D- Copy action to S&A 6/27 W	
631288	6/30 7/5	4th Dist. Y&D	Repairs to quarters W. Fwds ds & Docks 7/17 RB 8/9/22 W Y&D- Copy action to Phila. 7/19 W Fwds Yds & Docks 8/14	
631307	7/5	Y&D	Copy of letter to Phila. rel to repairs to heating system. W.	

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DIRECTION FINDERS CAPE HENLOPEN COMP STA. 1922

Number.	Date.	From or To—	Subject.	
631474	7/1	Cape Henlopen	Station routine- fwds/ W.	
633787	6/30	Phila.	Quarterly inspection report.	
633785	6/30	Phila.	Quarterly inspection report. W.	
635775	8/1	Y&D	Copy of letter to Phila. stating approved credit card will be fwded cov sagings under allotment for compass house. W.	
637982	8/16	Y&D	Copy of letter to Phila. auth repairs to roof of quarters. W	

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Number.	Date.	From or To—	Subject.	
590122	10/12	Phila. copy	Station in commission. W/	
603885	1/10	Phila. 1922	Fwds inventory and report on station. W.	
604242	1/12	Phila.	Quarterly inspection report. W.	
616935	3/31 4/3	Cape Henlopen Phila.	Fwds quarterly station routine report. W.	
623707	5/17	To S&A 309	~~Reqst shipment of Battery Charging Unit from Nbrf to O-I-C Cape Henlopen W~~ Phila- Special allotment requested to cov gas engine set. 6/23 WK To Phila- Allot authd 6/30 WK	
574570	6/1	To Phila via Y&D	Bu desires to have constructed long wave radio compass station. W	604-22

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DIRECTION FINDERS CAPE HENLOPEN COMP ST A 1922

Number.	Date.	From or To—	Subject.	
626513	6/3	Y&D	Copy of letter to S&A requesting Phila be auth to prepare requisitions for construction of compass house. W. Y&D- Copy action to Phila. 6/3 W. S&A- Copy of action to Phila. 6/5 W.	
626335	6/5	To Hon Sec of Treasury (Asst Sec Sig)	changes in the communication lines in order to improve accuracy of radio bearings Gives instrns cc Phila W Coast Guard 6/10 Copy of action to Nerf W Coast Guard 6/16 W	
627340	6/8	Y&D	Copy of telegram to Phila. auth construction of compass house by service requisition. W.	
627491	6/9	Y&D	Request expenditure of $350. Engineering 1923 covg repairs to heating sys W Y&D 6/9 Copy of action to 4th Dist W Y&D 6/10 Copy of action to S&A W To ds & Docks- Gives Action taken 6/28 To Phila- rel repairs to heating plant 9/11	

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DIRECTION FINDERS CAPE HENLOPEN COMP STATION 1921

Number.	Date.	From or To—	Subject.
540482	1/4	Y&D	Copy of letter to Phila. stating allotment will be made covering single oven ranges for double quarters. W.
541346	1/19	Y&D	Copy of letter to Phila. disapproving instln of concrete flooring under ranges in double barracks. W.
544436	1/31 2/2	Phila. Y&D	Extension of proposed buildings at Cape Henlopen- Fwds plan in conn with sewerage system. W. fwd Y&D 2-5 Y&D- Copy of action to Phila. 2/8 W.
545235	2/4	Phila	Necessary changes in heating system- subm detailed estimates with comments W fwd Phila via Y&D 2/14/21 Y&D- Copy of action to Phila. 2/18 W.
545376	2/5 2/8	W. E. Watson Communications	Ask if Cape Henlopen station will be placed for sale. W. fwd Phila 2-14-21. W RB 2-24
54 6462	2-15	To Phila	Transmitter for Cape Henlopen. W Phila. 2/19 W.
547362	2/16	Phila.	Subm list of furniture needed at Cape May and Henlopen Sta. W. Fwd Y&D 3/11 Y&D-Copy of letter to Phila. making allotment 3/15 W
547856	2/21	Phila. Copy	Compass house will be completed by 2/26 W.

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DIRECTION FINDERS CAPE HENLOPEN COMP STATION 1921

Number.	Date.	From or To—	Subject.	
550693	3/10	To Dept	Recomdn for disposal of old station W Dept- Authorizes 3/15 W ~~To Phila via Yds- S&A. 3/21~~ Y&D- Copy of action to S&A 3/23 W.	
550737	3-11	To Phila	Instaln of apparatus Cape Henlopen W To S&A shipmt order from Washington to Phila sound apparatus 3/12 6567	
556340	4;7	Phila	Station not in commission-cannot submit quarterly inspection report.W	
558620	4/16	Phila.	Subm estimates cov addtl work at Cape Henlopen Comp Sta. W. Fwd Yds & Docks 4/26 Y&D- Copy of ction to Phila. W.	
560784	4;23 4;28	Phila Y&D	Request addtl allotment covering antenna at Cape Henlopen.W fwd Y& D 5-5 %B 5/26 W Y&D-Copy action to Phila. 5/9 W fwd Y&D 6/15 Y&D-Copy action to Phila. 6/17 W	
563745	5/13	Y&D	Copy of letter to Phila. in conn with purchase of bath tub for radio station.W	
577989	7/27	Phila.	Quarterly inspection report, W.	
590030	10/11	Phila.	Quarterly inspection report.W. To Phila- Gives Action 10/19	

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DIRECTION FINDERS CAPE HENLOPEN RADIO COMP STA

Number.	Date.	From or To.	Subject.	
482678	FROM CARD 1		Phila- Fwds copy of permit from City of Lewes. 6/10 W To Secty- reqst action 6/16 W Phila- Rqst action 12/9 Fwd Judge Advocate General 12/21/21 RB 12/31 with copy of permit. W To Phila- Fwds cc of permit 1/6/22 RB 1/12 W Fwd Judge Advocate General 1/19/22 RB 1/26 W Fwd Phila 1/28	
503046	7/2	Phila.	Quarterly inspection report W.	
507943	7-27 To Phila via Y&D- assigns project 8-27 Phila) 100' mast necessary.10/14W To Phila 10/20	Phila	Are in position to proceed with various projects at Sta; request approval covering; W To Phila Gives inform 8-5 cc Yds & Docks- dir comm Y&D- Copy of action to Phila. 8/9 W Phila- Subm estimate and recommencations with prints. 8/17 W.	
512788	8/20	Y&D	Copy of letter to Phila. fwding draft of specifications, compass buildings, at Cape Henlopen and Bethany Beach. W.	
512823	8-23	To S&A	Reqst shipmt of Delco generator from FSB to Phila RB 11/12 W.	W

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N.S.E. Form 134.

DIRECTION FINDERS CAPE HENLOPEN

Number.	Date.	From or To—	Subject.	
514732	8/31	Y&D	Copy of instrns to Phila. to install water and sewerage facilities. W.	
517840	9-15	Phila	Quarterly inspection; W	
518311	9/17	Phila.	Radio compass house and barracks,-Cape Henlopen and Bethany Beach- fwds proposals. W. Fwd Yds & Docks 9-29 RB 10/9 W. fwd Y&D 10/13	
528166	4th 11/1	4th Dist.	Quarterly inspection re ort. W.	
530003	11/12 11/18	Phila. Y&D	Subm estimates covering cost of bath tub for Cape Henlopen. W. Fwd ds & Docks 11-23	
537741	1/4/21	To Phila	Instructions rel disposiion of telephone set W	
538553	1/4	Phila.	Phila- Quarterly inspection report, 12/30 W Phila- wds print of proposed new site with photos. 1/8 W. Rqst addtl allotment be made covering purchase of kitchen ranges. W. fwd Y&D 1/10	

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DIRECTION FINDERS CAPE HENLOPEN- RADIO COMP STA.

Number.	Date.	From or To—	Subject.	
466278	12/31	Phila. (T)	Request authorize shipt of 24 vacuum tubes from Aircrft Facty to Cape May.	W.
469854	1/16	Phila.	Report of inspection.	W.
477015	2/18	Phila	Fwds photo with report of inspection cov damage by recent storm.	W.
482678	3/19	Phila	Fwds print of map of Coast Artillery Barracks Cape Henlopen - submits recommendations covering - W To Cdt Phila 3/30 To Secty War 3/30	
TO CARD 2		Phila-Estimates will be fwded as soon as possible. 4/5 W. Phila- 4/17 W. War Dept- Use of bldgs apprvd.5/19 W To Phila-advise status of negotations 5-28		
483872	3/26	4th Dist Copy	Comp station, Cape Henlopen out of commission for instln of transmitter; Bethany Beach out of commission due to movement of compass house. W	
487102	4/10	Phila	Quarterly inspection report - W fwd Com 4-13 RB 4/15 W.	
490274	4-29	Fwd Com.	Notes condition of compass station reported W	
491293	5-4	To Comdt Phila	Asks if compass reservation at Cape Henelopen will accomodate multiple tuned antenna, as desired to make experimental installation at station W. Phila- 5/8 W.	

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919-10 DIRECTION FINDERS; CAPE HENLOPEN RADIO COMP STA

Number.	Date.	From or To—	Subject.	
492953	5-11	4th Dist (copy)	Cape Henlopen calibration curve very inaccurate; ~~##~~ no bearings fwded since April 27; W	
493679	5/11	Phila	Confirms telephone conversation in conn with status of station	W.
494163	5-19	To Comdt Phila	Radio compass station CAPE HENLOPEN in connection with construction of multiple tuned antenna at. W. RB 6/26 W.	
Y&D- Phila. may make Y&D 5/13 W.	Rqst nec inform be furn so that payment. 5/3 W.		fwd Phila 7/13; RB 9-15; W	
			Phila- Subm expenditures to date. 9/8 W.	
			To Y&D 5-10	
496378	5/24	Phila	Army barracks at Cape Henlopen station- fwds photos and print.	W.
498081	5/28	War Dept	Fwds copy of transfer of abandoned	
	6/5	Solicitor	Coast Artillery buildings at Cape Henlopen to Navy Dept. for use as compass station.	W.
			To Comdt Phila- reqst info rel status of land 6-9	
			Phila- Fwds prints showing location of compass station 6/18 W.	
			To Sol fwds for transmittal to War Dept 6-22	
			Phila- Fwds map of Coast Artillery barracks Cape Henlopen, with recommendations cov. 6/26 W	
			To Sec War- assignment of bldg to De t 7/2	
			Phila- Subm information- 7/9 W.	

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DIRECTION FINDERS: CROSS ISLAND COMPASS STATION.

Number.	Date.	From or To—	Subject.	
460029	11-25	Boston	Fwds quarterly inspection report.	W
460807	11/29	Boston	Ask if addtl expense of surveying proposed parcels of land on Cross Island for Radio Compass Station is justified. W To Solicitor- Does not desire conduct survey 12/5 To Boston- Has reqstd Sol to accomplish lease and advi se does not desire survey 12/5 Bost - ask if will appv reqn covering claim - 12/11 Solicitor - Fwds copy of lease 2/10	
464315	12-23	To Solicitor	Radio compass station, Cross Island, Maine, Lease of land for - Charge for legal services in preparation of lease. W	
476406	2/16	Boston (T)	Subm report covering damage caused by ice. W. To Boston- asks what type mast in store 2/19 Bost - 3/2	

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N.S.E. Form 134.

DIRECTION FINDERS: CROSS ISLAND COMPASS STATION

Number.	Date.	From or To—	Subject.	
478158	2/25	Boston	Quarterly inspection report	W.
500864	6-24	To Communications	Gives reasons why stations Cross Island and Damiscove Is be abandonded W RB 7/19 W To Boston. reqst action be taken 8/3 Boston- Removal of material. 9/24 W. fwd Com 10/2 ; RB 10-26; W ~~[illegible]~~ Y&D- Copy of action to Dept 2/19 W	
5				

CAPE ELIZABETH DIRECTION FINDERS DOMASCONE ISLAND COMP STATION 1922

Number.	Date.	From or To—	Subject.	
643716	10/5	To Boston	distant control of transmitters- W Boston 10/27 Fwds plan of Blake Wireless system W. ~~To Boston- Gives inform rel traffic 11/18~~	
644872	10/4	12th Dist	Fwds radio compass report for Sept. W.	
649370	11void			

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Number.	Date.	From or To—	Subject.	

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CAPE ELIZABETH

DIRECTION FINDERS -DOMASCONE Island Comp Sta.

Number.	Date.	From or To—	Subject.	
457720	11/12	Boston	Quarterly inspection report. W.	
473116	2/6	To Cdt 9th Dist	Plans for radio compass stations. Instructions in making recommendations. W 9th Dist- Subm report on proposed radio comp sta at Eagle Harbor	2/9
478590	2/26	Boston	Quarterly inspection report	W
498061	6/4	Boston	Quarterly inspection report	W.
498256	6/7	Y&D	Request addtl allotment covering over obligation of original allotment for enlarging crews quarters. W. To Y&D- addtl sum of $37.10 allotted covering cost of enlarging crews barracks at Damiscove Island Me. WK 6-18	
500915	6/22	Y&D	Copy of letter to Post stating allotment made covering cost of enlarging crews barracks. W.	
		1921		
547209	2-21	To Commun	Radio compa sta Cape Elizabeth.- position of W	

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919-12: CAPE ELIZABETH: DIRECTION FINDERS: (Domascone Island Com Sta)

Number.	Date.	From or To—	Subject.
573176	7;5	Y&D	Copy of letter to Boston stating approved credit with card will be fwded covering construction of store shed K&W Y&D-shed constructed with saving from allotment-7;5-K&W
589139	10/6	Boston	u Quarterly inspection report W. To Be ten Recomdn appvd 10/22
591789	10/21	Y&D	Fwds instructions rel to submitting data for book "Published Work of the Navy" W Fwd Boston 10/31
596605	11/18	Boston	Portland Comp sta- repairs to sink and tank - subm estimates. W Fwd Yds & Docks 11/29 RB 12/2 W Y&D- Copy action to Boston 12/2 W Y&D-Copy action to Boston- 12/12 W
623702	5/17	To S&A 301	Reqst shipment of battery charging unit from Norf to Portland W

~~CAPE E~~ DIRECTIO N FINDERS SEER ISLAND RADIO COMF STA 1922

Number.	Date.	From or To—	Subject.	
649972	11/18	To Boston	Visit to Station of R A Beekman- W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS DEER ISLAND RADIO COMP STA.

DM20

Number.	Date.	From or To—	Subject.	
529970	11/16	Boston	Quarterly inspection report. W.	
538055	1/3	Y&D	Request Bureau make necessary allotments covering single barracks. W. To Y&D 1-5	
539857	1/11	Y&D	Copy of letter to Boston requesting complete list of furnityre desired be furn. W	
545512	2/8	Boston	Quarterly inspection report. W.	
546181	2/8	Boston	Quarterly inspection report. W.	
547600	2/17 2/19	Boston Y&D	Fwds recommendation rel to equipt for radio compass quarters at MI. W. fwd Y&D 3-11 Y&D- Copy of action to Boston. 3/14 W	
588189	9/30	Boston	Quarterly inspection report. W. Fwd Yds & Docks 10/14 RB 10/17 W To Yds & Docks- expenditure authd 10/24 Y&D- Copy action to Boston. 10/26 W	

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DIRECTION FINDERS SEER ISLAND RADIO COMF STA 1921

Number.	Date.	From or To—	Subject.
595360	11/10	Y&D	Copy of letter to Boston stating approved credit card will be fwded cov savings on furniture for barracks. W.
595359	11/10	Y&D	Returns savings from allotment cov furnishing barracks. KW.
		1922	
623704	5/17	To S&A 306	Reqst shipment of Battery Charging Unit from Norf to Deer Island W
630604	6/29	Boston	Copy of report of inspection. W.
649883	11/18	To R A Beekman	Bu desires to assist GE co in working out details of control ;plan cc Boston W

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DIRECTION FINDERS: DEER ISLAND RADIO COMP STA.

Number.	Date.	From or To—	Subject.	
456359	11;5	Boston	Quarterly inspection report of Dere Island Compass Station. W	
456682	11/10	To Boston	Reconsidered decision rel to relocation of station. Battery charging unit will be shipt to Boston be held in store for disposition W	
459683	11/25	To Boston (T)	Expenditure one hundred dollars chargeable Engr 1920 to take up Deer Island cable authorized. W To Boston (T) referring Buseng one six naught two five sufficient space available at Boston for stowing cable submerged period cable should be tuend over to SO Navy Yd Boston 12/5	
460521	11/24	Boston	Confirms telephone conversation in conn with submarine cable at Deer Island and radio apparatus for FLORIDA & UTILLA	W
466570	1-3	To Boston	Tests to be carried out with compass apparatus. Auth to Use Deer Island station to test apparatus listed. W	
468667	1/10 1/12	1st Dist. Communications	Quarterly inspection report. Fwd D.N.C. 1-14	W.
482655	3/19	Bost	Quarterly inspection report - W	

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DIRECTION FINDERS: DEER ISLAND RADIO COMPASS STATION

Number.	Date.	From or To—	Subject.
486492	4-10		Fwded D.N.C. rel general condition of station as reported on letter W 4/10
492999	5-14	To Boston (T)	Granted. W (rel auth issue 12 type CW 933 tubes to Deer Is Compass Station W)
505171	7/13	Boston	Fwds prints of Deer Island compass station; request authority to obtain from Army, covering erection of barracks on Army reservation/ W. Y&D; copy of action to Boston; 11-1; W
85 505358	7/12 7/14	1st Dist. Communications	Quarterly inspection report. W. Fwd Com 7/19
510434	8-10	To Boston (T)	Make survey for site to erect quarters Deer Island period site to be agreeable to CO army reservation W
War Dept; 10-22; W			Boston- Fwds prints. 8/13 W To Secty War 9/30 To Boston via Y&D 10/29
510912	?	Boston	Quarterly inspection report/ W.
513428	8/9 8/23	Deer Island Boston	Reports on interference from Annapolis High powered station. W. Fwd Bur Stamards 8-30
fwd Bostn 9/21/20			Radio Lab; Bu Standards; submits report on 800 meter harmonic note from Annapolis; 9-15; W (1920-1)

DIRECTION FINDERS FIRE ISLAND COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
625421	5/25	3d Dist. Copy	Fire Island station calibration completed and station in commission. W.	
641201	9/12	N.Y.	Request allotments covering heating facilities for Sandy Hook and Fire Island compass stations. W. To NY- Submits Recomdn 9/29 Y&D 11/11 Copy action to New York W	
645929	10/17	N.Y.	Fire Island - quarterly inspection report. W.	
648886	11/9	3 District	Copy calibration of compass stations completed W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS FIRE ISLAND COMPASS STATIONS

Number.	Date.	From or To—	Subject.	
464975	12/22	N.Y:	Quarterly inspection report. W.	
485773	4/3	N.Y.	Fwds 800 meter calibration curve. W.	
493849	5/10 5/14	3d Dist Communications	Subm report on radio compass bearings by UTAH of Fire Island, Sandy Hook, and Mantoloking. fwdCom 5/18	W.
494073	4/24	Fire Island Sta.	Fwds photos of last winter's ice on Great South Bay.	W
501685	6/24	N.Y.	Quarterly inspection report	W
528581	10/25 11/10	3d Dist. Y&D	Release requested of property owned by Western Union Tele.Co. at Fire Island. fwd Solicitor 11-19	W.
545268	2/5	N.Y.	Fwds performance curve and deviation chart-recalibration of. W.	

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DIRECTION FINDERS FIRE ISLAND COMPASS STATIONS

Number.	Date.	From or To—	Subject.
553839	5/13	N.Y	Subm outline of radio work, fiscal year 1922. W.
571555	6/24	N.Y	Fwds curves cov recalibration of Fire Isl. and Montauk. W
581437	8/17	N.Y.	Fwds recalibration curves. W.
582197	9/1	To NY	Calibration Curves; Gives instrns rel W
591787	10/21	Y&D	Fwds instructions rel to submitting data for book "Published Works of the Navy" W Fwd NY 10/31
607787	1/20 2/1	1922 3d Dist. Communications	Reprt on use of Fire Island transmitter. W

Number.	Date.	From or To—	Subject.	
626514	6/3	Y &D	Copy of endorsement to Chasn. directing furn prints in triplicate showing location of station. W.	
628064	6/9	Charleston	Recommends quarters for operator be provided W To Chasn- no funds available 6/17	
628229	6/12	Charleston	Quarterly inspection report W	
629526	6/23	Y&D	North Is compass sta savings under allotment KW Y&D- Rel savings - 7/6 KW	

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DIRECTION FINDERS GEORGETOWN COMP STA/ 1922

Number.	Date.	From or To—	Subject.
636928	8/8	Chasn.	Quarterly inspection report. W.
649960	11/17	Y&D	Work on compass house and improvements completed with saving allotment W
650480	11/20	Chasn.	Quarterly calibration report on North Island and Folly Island Compass stations W To Chasn- Reqsts action taken 11/29
650510	11/14 11/21	North Island S&A	Recommendation cov survey of Edison B Batteries. W. Fwds S&A 12/2
654175	12/16	Chasn.	Quarterly inspection report. W.

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Number.	Date.	From or To—	Subject.
585172	9/17	To Dir Communications	Gives Extract from Radio material Officer's report of North Island Radio Compass Station cc Chasn W Communications- 9/23 W
591156	10/11 10/18	San Diego Y&D	Fwds estimate cov concrete pier, bulkhead and hedging for erection of wireless pole. W. Fwd Yds & Docks 10/21
603219	1/3	Chasn.	Quarterly inspection report. W.
615239	3/21	Chsn.	Quarterly inspection report. W.
616392	3/29	Chasn	Radio receiver withdrawn from storage and charged to current engineering allotment. W.

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DIRECTION FINDERS GEORGETOWN 1922

Number.	Date.	From or To—	Subject.
616940	3/30	, Chasn.	21' motor dory assigned not suitable- suggest 24' motor sailer be furn. YW. Eds C&R 7/3 Ye RB 7/11.Y C&R- Copy action to Chasn. 7/10 W
620459	4/21	Chasn.	Request allotments be made cov issue of receiver to North Island Station. W. To Chasn- Gives inform 5/2
621742	5/15	Y&D	Copy of telegram to Chasn. auth perform work at North Island Station. W.
622124	5/5	Y&D	Copy of telegram to Chasn. auth construct fuel and storage houses at North Island. W.
622841	5/3 5/10	Department of Commerce Dept	Authorizes construction of new compass at Georgetown light station. W. To Chasn via Yds & Docks-- Gives instrns cc Judge Advocate Gen 6/2 Chasn- Fwds print showing location of Navy building at compass station. 10/31 W Y&D- 11/4 W

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DIRECTION FINDERS: GEORGETOWN 1920-1921 3

Number.	Date.	From or To—	Subject.	
521247	9/28	Chasn	Quarterly inspection report W	
522889	10/18	To Mare Island 920-15	Rel fence for station So San Francisc reqst comments and recs W M.I. 12/2 W To Nav Radio Sta- asks if black barbed wire can be obtained 12/23	
535222	12/14	Chasn	Quarterly inspection report W To Chasn 12/22 W Chasn 12/28 W	
538091	12-29	MI 920.15	Quarterly inspection report W	
545699	2/11	To Chasn via Yds & Docks	re Delay in work Authd W. RB 2-15 To Chasn 2-21 Chasn 2/28- Gives status of work W Y&D- Copy of action to Chasn. 3/3 W. Chasn Fwds prints showing proposed sites for. 3/15 W. To Chasn re new compass house and quarters for 3/23/21 Y&D- Copy action to Chsn. 3/28 W	
554423	3/25	MI	Quarterly inspection reort. W.	

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DIRECTION FINDERS

Number.	Date.	From or To—	Subject.	
555509	4/4	Y&D	Copy of telegram to Chasn. authorizing assemblying of material for quarters and compass house at North Island. W.	
555906	4/1	Chasn.	Quarterly inspection report. W.	
558600	4/18	Y&D	Copy of letter to Chasn in conn with construction of radio compass buildings at North Isl. W. Y&D- Copy of action to Chasn. 4/19 W.	
565033	5/25	Y&D	Copy of letter to Chasn stating allotment cards will be fwded cov radio compass building. W Y&D- Compass building fabricated with saving from allotment. 5/25 W.	
568814	6/9	Y&D	Copy of letter to Chasn. rel to savings under allotment cov radio compass buildings. W.	
571389	6/20	Chasn.	Fwds radio compass deviation curve W.	
572729	6/27	Chasn.	Quarterly inspection report. W.	

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DIRECTION FINDERS GEORGETOWN RADIO COMP STA/ 1920

Number.	Date.	From or To—	Subject.	
467371	1/5	6th Dist	Quarterly inspection report. Fwd D.N.C. 1-8 RB 2/3	W.
468091	1/5 1/7	Chasn. 6th Dist.	Fwds request of North Island Comp Sta. for cooking utensils, and dishes. To Chasn- Fwds correspondence.1-10copy to Supt. 6th Dist. Chasn-fwds prints-1:28 To Y&D 2/5 copy Charleston	W.
478831	2/26	Chasn.	Request authority to proceed with construction of barracks at.	W.
480403	3/1 3/8	Chasn. Y&D	Have material assembled for barracks; same will be fwded by first conveyance. fwd Y&D 3/9	W.
482682	3/19	Dept of Commerce	Authorizes constrn of dormitory for radio operators on Georgetown light station reservation - W	
464310	1-21	Charleston	Outline of work Georgetown;	604

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Number.	Date.	From or To—	Subject.	
497508	5/28	Chasn.	Quarterly inspection report	W.
499576	6/9	Mare Island	Quarterly inspection report	W.
500932	5/14 6/22	Chasn. Communications	North Island and Morris Island comp stations-report on calibration. W Fwd Com 6/25	
501430	5/8 6/24	6th Dist. Communications	Quarterly inspection re ort. W. Fwd Com 6/28	
501786	6/25	S&A	Copy of shipt order covering dining room furniture from Flt Sup Base to North Island Comp Sta. W.	
511337	8/11	Norf.	Only one 3 KW Delco Battery charging gas engine unit in store. W. To Norf(T) 8/14 Norf- (T) Material located. 8/16 W	
513985	8/25 To NY 10/15 NY-11;29-W To 12/6/20	American Rwy.Express Co.	Request shipping instructions. W. To MI via Chasn. reqst info 8/31/20 Chasn- No record of shipt-request. 9/2 W. Mare Island- Shipt not located 9/4 W.	

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DIRECTION FINDER: GEORGETOWN NORTH ISLAND RADIO COMP STA

Number.	Date.	From or To—	Subject.	
469678	1/13 1/16	6th Dist Communications	Quarterly inspection report. Fwd D.N.C. 1-17	W.
472225	1/28	To Charleston (T)	7328 Your 2024 0945 Bur directs battery charging unit at N. Island be repaired. etc W Chasn-T-station temporarily repaired-1;29	
481842	3;16	6th Dis copy	Request obtain authority from Lighthouse Comm for erection of barracks North Island Radio Station.W	
485265	3/26 3/31	Chasn. 6th Dist	Quarterly inspection report	W.
486421	4/1 4/8	Chasn. Y&D	Subm status on barracks for operators. fwd Y&D 4-10	W.
464310	3-10	12th Dist	Outline of radio work North Is, San Diego Sta; W	604
493002	5/11	Chasn. Copy	North Island schedule modified owing to urgent instln work.	W.

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Number.	Date.	From or To—	Subject.	
493249	5/8	Chasn.	Quarterly inspection report	W.
494359	5/18	Y&D	Request addtl allotment covering constrn of barracks. To Y&D- allotment made 5/22 Y&D-Copy of action to Chasn. 5/26 W	W

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DIRECTION FINDERS GLOUCESTER RADIO COMP STATION. 1920

Number.	Date.	From or To—	Subject.
511594	FROM CARD #1		Boston- Subm estimate with recommendations. 10/15 W. To Boston apprvd 10-28
525509	10-26	Boston (copy)	Station placed out of commission to install new coil frame preliminary to recalibration; W
527402	11/1	Boston	Quarterly inspection report. W.
540599	1/14	Boston 1921	Recommends maintenance allowance be increased to $1200. W. To Boston increase 1-21
545499	2/8	Boston	Quarterly inspection report. W.
546180	2/8	Boston	Quarterly inspection report. W.
586950	9/22	Boston	Quarterly inspection report. W/ To Boston- Gives instrns 10/15

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N.S.E. Form 134.

DIRECTION FINDERS GLOUCESTER RADIO COMP STATION 1922

Number.	Date.	From or To—	Subject.	
623706	5/17	To S&&A 308	Reqst shipment of Battery Charging Unit from Norf to Gloucester W	

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DIRECTION FINDERS: GLOUCESTER RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
459 021	11/20	Boston (T)	Request authority to furnish Station with 12 vacuum tubes. To Boston (T) Granted 11/21	W.
460098	11/28	To Cdt Boston	Rel to relocation of telephone. W	
462090	12/6	Communications	Recommendation, rel to compass station at Gloucester for relocation for reasons given.	W
462463	12-23	To Boston	Radio compass station, Gloucester, Relocation of. W Boston-submits report-1;21 To Cdt Boston 2/5	
			1920	
468676	1/10 1/12	1st Dist. Communications	Quarterly inspection report. Fwd D.N.C. 1-14	W.
471763	1;22	Boston	Quarterly inspection report.W	
478724	2/27	Boston	Subm outline of radio work, fiscal year 1921 radio comp station, Gloucester. W. To Cdt Boston 3/5	

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DIRECTION FINDERS: GLOUCESTER RADIO COMP STA.

Number.	Date.	From or To—	Subject.	
479448	3/5	To Sol	Radio station Gloucester- obtaining permission for use of private property to build on. Fwds copy of letter to Coast Guard granting permission to occupy this property -Reqst take up with J.T. Morse, rel use of property.	
486200	4/6 4/7	1st Dist Communications	Quarterly inspection report fwd D.N.C. 4-9	W.
498061	6/4	Boston	Quarterly inspection report	W.
498512	6/4 6/8	First Dist. Communications	Quarterly inspection report fwd Com 6-16	W.
511594 TO CARD 2	8-17 Boston-Reqst decision on Gloucester site. 9/10 W. To Boston via Yds & Docks s satisfy 9-29	To Boston	Reqst survey be made to procure site for permanent establishment of station Gloucester W Boston- Fwds sketch showing proposed location with recommendat ons. 8/27 W. Y&D 10/14 W.	
512958	8/19	Boston	Report of inspection. W.	
521039	10/4	Y&D	Copy of endorsement to Boston authorizing necessary repairs to compass station. W.	

DIRECTION FINDERS GRAND ISLE COMPASS STATION 1922 4

Number.	Date.	From or To—	Subject.	
618837	4/11	New Olrn.	Quarterly inspection report. W.	
635281	7/28	Dept	Grand Island compass station will be closed and abandoned. W.	
641807	9/16	Dept	Copy of letter to 8th Dist. rel to placing Grand Isle station out of commission. W.	
642314	9/21	8th Dist. Copy	Compass station wi ll be placed out of commission 8/24. W.	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS GRAND ISLE COMP STA 1921

Number.	Date.	From or To—	Subject.
564716	5/16	New Orln.	Request $500 from allotment covering dormitory be re-alloted cov instln of underground gasoline tank. W. To N.O. via Y&D 5-28 Y&D- Copy action to New Orln. W. 6/3
567371	6/2	Y&D	ReModeling dormitory and providing kitchen completed with saving from allotment. W.
576657 6	7;22	Y&D	Estimate for Public Works 1923 project No.2 purchase of residence and lot for living quarters for station employees. A fwd Y&D 7/27
578209	7/27	New Orln.	Recommends in tln of auxiliary generating unit- subm estimates. W.
584496	9/13	To Dept	Rental of building Reqst authy to lease same W Dept- Authorizes renting building. 9/17 W
590436	10/14	New Orln. (T)	Request a uth to install gas engine generator. W. To NO- Gives Instms 10/22 New Orln. 11/1 W

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DIRECTION FINDERS GRAND ISLE COMF STA 1921

Number.	Date.	From or To—	Subject.	
599890	12/8	New Orln.	Quarterly inspection report. W.	
606460	1/23	New Orln.	Quarterly inspection report W.	
583498	8/26/21	New Orln.	Subm estimates cov expenditures for repairs, etc. W.	
616149	3/30	8th Dist. (T)	Battery charging outfit at Grand Isle station- recommends consider transferring came to Coast Guard. W. To NO- Reqst equpment be shipped NO 4/5 8th Dist- 4/10 W	
617085	4/3	Dept	Copy telegram to 8th Dist. directing post pone closing of station pending further orders . W.	

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DIRECTION FINDERS GRAND ISLE COMPASS STATIO 192 0

Number.	Date.	From or To—	Subject.
507064	7/22	New Orln Copy	Request authority to use Coast Guard kitchen and dining room until completion of Navy building. W. To N.O. (T) 7/24 N Orleans-T-recommends new allotment of three thousand dollars-7;27-W To N.O. via y&d 7/30 rel GRANDE ISLAND. RB 8/28 W
509446	8/3	Y&D	Fwds copy of Punlic Works estimate covering project purchase of residence and lot for living quarters AW fwd Y&D 8/11
510122	8/2	Y&D	Copy of letter to New Orln making allotments requesting expedite work. W
510685	8/9	New Orln Copy	3 compass stations will be operated beginning 8/11; Grand Isle now open to commercial traffic. W.
6476 517476	9/3	New Orln.	Request allotment furnished for ammeter and voltmeter to Grand Island. W. Shipt from Norf to Grand Isle La 12/2
516553	9-22	To S&A	Reqst shipmt of radio amplifer from Washn to N.Orlns W
519173	9/20	New Orln.	Quarterly inspection report. W.

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DIRECTION FINDERS GRAND ISLE COMPASS STATION 1920

Number.	Date.	From or To—	Subject.
520694	9/28	New Orln.	Request station be furn with magazines and periodicals W. To H. NO Recomdns shld be made by H to supply periodicals where needed 10-16
535409	12/17	New Orln. (T)	Request Grand Island compass station be directed to authorize instln to water tank in dormitory attic. ". To Coast Guard 12/22 Coast Guard 12/27 W To Coast Guard 1/3/21
536			
545502	2/5	New Orln.	Quarterly inspection report. W.
550594	3/1 3/7	Grand Island 8th Dist.	Subm report on static. , W.
551161	2/23 3/12	Grand Isl Comp Sta Communications	Subm static report W.
551590	3;9 3;15	Grand Isle Comm	Submits static report.W
553480	3/15 3/21	New Orln. 8th Dist.	Housing conditions at Grand Isle station and Fwds prints, with recommendations. W. To IM N via 8 Dist Reqst recomdns be subm 3/29

DIRECTION FINDERS; GRAND ISLE COMPASS STATION.

Number.	Date.	From or To—	Subject.	
459351	11-19	New Orl.	Rqst 2 additional storage batteries be furnished for station.	W
458944	11/22	To S&A	Reqst shipmt from Phila to N.O. gas engine battery charging unit. W RB-1;30 N Orl-1;27 To N.O. via S&A 2/2	
461401	12/1	New Orl.	Will be ready for establishment of true North & South line by 12/10. W.	
462193	12/5	New Orln	Request library be furnished for use of station personnel.	W.
466363	12/27	New Orln.	Progress report,	W.
473619	1/30	New Orln.	Progress report.	
474256	1/31 To IM N.O. 3/5 New Orln- Fwds pencil sketch of tank. 4/15 W. To Coast Guard- reqst reconsider of pervious reqst 5/8	New Orln.	Request obtain permission from Coast Guard to bury two gasolene and Kerosene tanks directly beneath radio room, Coast Guard Bldg. #214. To Coast Guard- auth reqstd 2/9 Coast Guard 2/16 Coast Guard- 5/11 W.	W.

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GRANDE ISLAND, LA.,

Number.	Date.	From or To—	Subject.	
474755	2/3	New Orln	Comp Sta at Grand Isle is ready for operation. W	A.
479427	3/3	N Orleans T	Necessary to install cooling tank in connection with radio gasoline engine - reqst authority be obtained from Coast Guard for work - W	
484255	3-31 Y&D- Copy of action to New Orln 5/11. New Orln- W.	To IM N.Orlns Fwds requisition.6/29 W	Authorizes changes and additions for station allotment of $3000 made covering cost of matrl and labor as outlined. W To Coast Guard- reqst authority for changes GRANDE ISLAND 4/13 New Orln- Fwds prints, recommendations and estimates. 4/15 W. Coast Guard - 5/5 - W	
488184	4/16	New Orln	Subm report on calibration	W.
488183	4/15	New Orln	Request allotment of $1449.84 cov Buffalo gas engine unit furnished. fwd Phila via S&A 4-24 RB 5/8 - W fwd N.O. via IM 5/14	W.
491305	4;1	N Orl copy	Request approve allotment card covering improvments to.W New Orln- (T)- Request approval of allotment covering improvements. 5/14	W.

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DIRECTION FINDERS HOG ISLAND STATION 1922 7

Number.	Date.	From or To—	Subject.	
642022	9/19	Norf.	Request auth covering construction of addition to engine house. W.	
			To Norf via Yds & Docks- grants authority	9/23
			Y&D- Copy action to Phila. 9/25 W	
650727	11/22	Norf	Quarterly inspection report W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS HOG ISLAND CMP STA 1922

Number.	Date.	From or To—	Subject.	
615600	3/27	Y&D	Copy of letter to Norf. stating approved credit cards will be fwded cov savings under allotment chargeable to Engineering 1922. W. Y&D- Returns savings under allotment 3/27 W	
615979	3/29	Norf. (T)	Request two amplifying transformers be furn for receiving set. W. To Norf (T) Disapproved 3/30 Norf- Request expedite shipt of transformers 4/5 W. To Norf- Gives inform rel Receivers 4/14	
615327	3/31	To Norf	Naval Radio Compass Sta- Hog Island- batteries for- Gives disposition of worn out batteries W	
618721	4/15	Y&D	Fwds prints showing proposed sewer outlet for compass station. W. To ds & Docks- Gives inform 5/13 Y&D- 5/27 W Fwds Y&D 6/3 W	

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DIRECTION FINDERS HOG ISLAND COMP STA 1922

Number.	Date.	From or To—	Subject.	
621138	5/15	To Hon Sec of Treas Actg Sec Sig	Reqst inform rel prints--rel sewer line W Treasury Dept- Authorizes. 5/31 W.	
627142	6/6	Phila.	Copy of letter to Y&D requesting rugs and carpets listed b e furn for Hog Isl.Sta. W.	
628152	6/14	Norfolk	Quarterly inspection report W	
633651	7/19	Norf. (T)	Interfering Hog Island Virginia Beach Wire due to open circuit. W.	
636868	8/9	Norf. (T)	Land line Hog Island and Virginia Beach out of commission. W.	

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Number.	Date.	From or To—	Subject.	
611668	2/28	Y&D	Copy of letter to Norf. stating allotment made cov repairing roofs of barracks.	W
611682	2/28	Norf. (T)	Land line Hog Island to Virginia Beach out of commission - coast guard is installing cable. W.	
611949	2/28	Norf.	Request auth to prepare requisition cov window shades. W.	
612126	3/3	Norf. (T)	Hog Island & Va. Beach cable repaired. W.	
613487	3/13	Norf. (T)	Hog Island line in commission and operating satisf. W.	

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DIRECTION FINDERS HOG ISLAND COMP STA 1922

Number.	Date.	From or To—	Subject.	
606741	fwded from card 4		To Coast Guard- Fwds prints showing location of tanks; Reqst comments W 3/11 Coast Guard- Request prints showing location of compass buildings. 3/28 W. To Norf via Yds & Docks- Reqst prints 3/25 Y&D- Location of compass buildings-fwds prints 3/28 W. Y&D- Copy action to Norf. 3/28 W.	
614579	3/23	To Norf	Radio compass Stations, Hog Island, Virginia Beach and Cyners Hill- Fwds data sheet photostat copy W	
615211	3/24	Y&D	Vacuum pumps for heating system obtained from Shipping board at Hog. Isl. Same are duplex type and cannot be used. W. Y&D- Copy action to Inspr Phila. 3/24 W.	

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DIRECTION FINDERS HOG ISLAND COMP STA 1921

Number.	Date.	From or To—	Subject.	
589103	10/6	Norf. (T)	Calibration at Hog Isl completed station in commission. W.	
598799	11/15	Norf. Copy	Hog Island Compass land line in commission W	
600474	12/14	Norf.	Report of calibration. W.	
600906	12/17	Norf. Copy	Land line restored. W.	
601243	12/19	Norf.	Quarterly inspection report. W.	
602066	12/27	Norf. (T)	Heating systeam and crews quarters out of commission- estimates cov work W. To Norf (T) Approved 12/28	

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DIRECTION BINDERS 1922 HOG ISL COMP STA 1922

Number.	Date.	From or To—	Subject.	
603200	1/5	Y&D	Copy of telegram to Norf. authorizing repairs to heating system. W. Y&D- Copy ction to S&A 1/5 W. Y&D- Copy acttion to Norf. 1/6 W S&A- Copy action to Norf. 1/6 W	
603884	1/10	Norf. (T)	Simplex circuit , Hog Isl. and Virginia Beach out of service- request cable shipt be returned from Coast Guard to repair.	W.
606741	1/26	Norf.	Request auth to install underground fuel ~~tan~~ storage tank at North Isl. Cape Lookout and Cape Hatteras. W. To Washn Reqst authdy to instld an underground fuel storage tank gallons W2/9	
	CARD	5	Coast Guard- Request prints showing location of comass buildings. 2/11 W To Norf-reqt blue prints,data,etc-2;24-W Norf- Fwds print showing instln of fuel storage tanks. 2/28 W	
609075	2/7 2/10	Norf. Y&D	Request allotment cov repairs to barrack roof. W. Fwd Y&D-allots $75. for repairs-2;24-W-K	

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DIRECTION F'NDERS HOG ISLAND COMP STA. 1921

Number.	Date.	From or To—	Subject.	
553323	3/23	Norf.	Quarterly inspection report. W.	
	To C&R Norf 9/15	Gives Instrns cc	To M Norf Gives Instrns 3/29	
	C&R-Copy action to Norf. 9/28 W		Norfo Reports not receipt of pulling dry . 8/31 W	
553493	3/24	Y&D	Have made allotment to Norf. covering cost of installing casement window at Hog Island Cape Lookout Cape Hatteras and Pointer's Hill Compass Station. W. 919-1	
			Y&D-Copy of action to Norf. 3/23 W	
553			To Yds & Docks Allotment made 3/28	
558829	4/17	Hog Isl.Sta.	Static log, month engine 4/15 W.	
570634	6/18	Nord.	Recalibration of Hog Island station-fwds repport covering. W.	
570818	6/20	Norf.	Quarterly inspection report. W.	
572291	6/29	Norf. Copy	Land line out of commission. W.	

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DIRECTION FINDERS HOG ISLAND COMP STA 1921

Number.	Date.	From or To—	Subject.	
577262	7/26	Norf. (T)	Request inform rel to routing of radio apparatus and when stg batteries will be accepted. W. To Norf 8/3	
578917	8/3	Norf. Copy	Communications circuits, Hog Isl. to Va. Beach and Va. Beach to Cape Hatteras out of commission due to lightening. W. Norf- Copy- Land line still out of commission. 8/9 W.	
579709	8/8	Norf.	Recommends Hog Isl. Station be provided with new typewriter. W.	
581149	8/16	Norf	Request typewriter be furn Hog Isl. WK To Norf Authorized 9/1	
586229	9/9	Norf.	Quarterly inspection report W/	
588573	10/4	5th Dist Copy	Destry arrvied Hog Isl. Rqst permission to calibrate. W.	
588926	10/5	Norf. (T)	Compass station out of commission for recalibration. W.	

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DIRECTION FINDERS HOG ISLAND COMPASS STATION.

Number.	Date.	From or To—	Subject.	
488860	4/16 4/21	5th Dist Communicati ns	Quarterly inspection report fwd COM 4-23	W.
498681	6/9	Norf.	Report of modulated telephone instln at Hog Island. Fwds.	W.
503206	7/3	Norf.	Quarterly inspection report	W.
504761	7/8 7/12	5th Dist. Communications	Quarterly inspection report W. fwd Com 7/14	
504948	7/12	Norf.	Subm estimate with prints covering alterations.	W.
507533	7/24	Norf.	Station out of commission two days, due to worn out condition of gas engine generator unit; Delco outfit furn. W.	
509313	8/2	Y&D	Copy of endorsement to Norf. rqsting expedite constrns of barracks at Hog Island and Cape Hatteras Comp stations, W.	

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DIRECTION FINDERS HOG ISLAND COMPASS STATION

Number.	Date.	From or To—	Subject.	
519620	9/27	Norf.	Quartetly inspection report. W.	
533881	12/9	Y&D	Fwds specifications covering double barracks and addition to battery charging house. W.	
534351	12/11	Norf. (T)	Subm estimates covering cost of Armored cable for. W. To Norf Tel 12/13	
534292	12/4 12/11	Broad Water sta. Communications	Subm report on condition in general prevailing at Hog Island during storm. W. Norf- Not possible to remove station from vicinity of Hog Island. 12/20 W	
534325	12-15	To Norf	Increase maintenance allotment-reqst report covering W	
535121	12/15	Norf/	Quarterly inspection report. W. To Norf 12/22	
545052	1/28 2/1	Norf Y&D	Changes in double barracks - fwds print rqsting estimate be made. AW fwd Y&D 2-3 Y&D- Copy of action to Norf. 2/8 W	

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HOG ISLAND COMPASS STATION.

Number.	Date.	From or To—	Subject.	
456889	10-8	Hamp Rds (copy)	Hog Isl Sta out of commission; Cape Henry Sta also out of commission.	W
457634	11/13	5th Dist copy	Hog Island Station- still unable to communicate with control station on account of pole line being washed out.	W.
457783	11/13	Norf.	Fwds report of calibration of. W.	
463065	12/12	5th Dist Copy	Hog Island compass station out of commission- cracked cylinder head.	
465728	12-28	Norf (copy)	Statioh out of commission; W	
466083	12/23	Communications	Recommends spare audion control box and two stage amplifiers be supplied Hog I sland Radio compass Station.	W.
466265	12/31	Norf. Copy	Hog Island unit in commission.	W.

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HOG ISLAND COMPASS STATION

Number.	Date.	From or To—	Subject.	
469836	12/31 1/16	Ham.Rds. Communications	Quarterly inspection report. Fwd D.N.C. 1-19	W
		-1920-		
476005	2/13	Norf Copy	Subm report of inspection of Hog Island Compass station, with recommendations. To Norf (T) 2/16 Norf; fwds prints; 2-24; Norf- Progress report 3/2	W.
475706	2/14	To IM Norfolk	Reqst further information in re to transmitter for compass station Hog Island. Norf-Subm information requested 3/4	W
479584	3/3	Norf	Copy of telegram to Dept reqsting authority for overtime work at Hog Island Station- W	
479577	3/3	Norf	Rack for telephone battery - fwds print -	W
483941	3/25	Norf	Quarterly inspection report	W.
464310	4-6	Norf	Outline of radio work Hog Is radio compass sta; W	604

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DIRECTION FINDERS FOURTH CLIFF RADIO COMPASS STATION 1922 4

Number.	Date.	From or To—	Subject.	
646508	10/21	Y&D	Authorizes work in connection with water supply for barracks W	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS FOURTH CLIFF RADIO COMPASS STATION 1922

Number.	Date.	From or To—	Subject.
621168	4/10 4/28	Boston Y&D	Subm estimates cov addtl work in conn with barracks. W. Fwds Yds & Docks 5/5
622150	5/5	Y&D	Copy of letter toBoston auth additional work on double barracks. W.
624941	5/22 5/23	Boston (T) Y&D	Recommends additional allotment cov increased depth of well. W. Fwds Y&D 6/8 W K
625358	5/25	Y&D	Copy of letter to Boston auth substitution of Armco Ingot iron septic tank for concrete septic tank. W.
623705	5/17	To S&A 307	Reqst shipment of battery charging Unit Norf to O-I-C Fourth Cliff W

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DIRECTION FINDERS FOURTH CLIFF)RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
626154	6/1	Y&D	Copy of letter to P&A fwding Boston requisition cov purchaser of furniture for station. W.	
626869	6/5	Y&D	Copy of telegram to Boston authorizing addtl allotment. W.	
633339	7 /17	Y&D	Digging of well has been abandoned - could not strike good water. W.	
635333	7/26 7/29	Boston Y&D	Recommends allotmetment be made cov drilling of well. W. Fwds Yds & Docks 8/4 RB 8/8/ W Fwds Y&D 8/15 W. Y&D- 8/7 W. Boston- Request addtl allotment of $600.9/1 W Fwds Yds & Docks 9/16 RB 9/25 W. Fwds Yds & Docks 10/RB Y&D- Copy action to Boston.9/23.W To Yds & Docks- Gives Action taken 9/29	

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DIRECTION FINDERS FOURTH CLIFF HUMROCK RADIO COMP STA.

Number.	Date.	From or To—	Subject.
566798	5/27	Y&D	Copy of telegram to Boston authorizing call for bids for wells. W.
583669	9/1	Boston	Quarterly inspection report. W.
599599	12;8	Y&D	Copy of letter to Boston relative to modifications of plans covering double barracks for crew. W
605199	1/17	Y&D	Copy of endorsement to Boston stating no award willbe made under bids cov driving and testing pump whell. W.
		1922	
607810	~~1/31~~ 2/3	Boston Y&D	Request allotment cov purchase of land at 4th CliffoScituate, Surfside and Nantucket. W Fwd Yds & Docks 2/13 RB 2/16 W Fwd Y&D-allots $2,615 for purchase of land-2;24-W-K

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DIRECTION FINDERS FOURTH CLIFF RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
608101	2/4	Y&D	Fwds specifications cov barracks. W. Y&D- ; Copy action to Boston. 3/16	
611666	2/28	Y&D	Copy of letter to Boston stating expenditure cov cost to purchase land for radio compass station at 4th Cliff and Surfside has been authorised. W.	
612147	3/3	Y&D	Radio compass bearings and drilling well- request additional allotment cov. W. To Yds & Docks- allotment made 3/11	
616727	4/3	Y&D	Copy of endorsement to S&A requesting auth for Ward -Barker Artesian Well Co. cov drilling of well. W.	
618971	4/14	Y&D	Copy of endorsement to Boston requesting estimates cov cost of storm doors windows screens etc be furn. W.	

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DIRECTION FINDERS: FOURTH CLIFF, HUMAROCK RADIO COMP STA

Number.	Date.	From or To—	Subject.
457772	11/10	Boston p	Quarterly inspection report. W.
480136	3/5	Boston	Quarterly inspection report. W.
480332	3-10	To Coast Guard	Radio Compass Station, Fourth Cliff, Mass. Status of. Station #28. Advise when the property desired will be acquired W Coast Guard - no funds available for erecting Coast Guard station on new site -3/16
532193	12/1	Communications	Will place station in commission on 12/10 W To Commun 12/6/20
532648	12/3	Boston Copy	Request authority to use unexpended portion of allotment covering repairs to Gloucester for repairs to Humerode compass. W. To Boston 12/6 copy Y&D Y&D- Copy of action to Boston. 12/9 W Boston 12/10 W fwd Com 12/14 RB 12/16 W
534817	12-21 Solicitor- Fwds letter from W. A. Tapley 4/5 W Fwd Solicitor 4/8 Solicitor 5/23 W.	To Coast Guard	Reqst info rel station Fourth Cliff- W Coast Guard- Fwds tracing showing proposed site. 12/20 W. To Boston 1-7-21 Boston - Fwds print of lot for permanent sta. 2/17 W fwd Sec 2/21 RB 2-28 fwd Sol via Y&D 3-8
552832	3/21	Boston	Request action on purchase of site at 4th Cliff for compass station. W.

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DIRECTION FINDERS FOURTH CLIFF HUMAROCK RADIO COMP STA

Number.	Date.	From or To—	Subject.
555874	4/4	Boston	Quarterly inspection report. W.
557883	4/18	To Yds & Dosck	Reqst Steps be taken to obtain bids on new constrn work at Stations W RB 4/21. W Fwd Yds & Docks 4/23
560305	4;26	Y&D	Copy of letter to Boston fwding prints showing new construction for W
560747	4;28	Y&D	Copy of letter to Phila fwding monthly reports under allotment chargeable to Engineering 1921.W
562624	5/7	Y&D	Copy of telegram to Boston authorizing construct basements in barracks at Fourth Cliffs and Surfside. W.
562944	5-11	To Boston Tel	Reqst expedite papers Fourth Cliff and Surf Side land W
563537	5/12	Y&D	Copy of letter to Boston approving plan showing double barracks for Fourth Cliff and Surfside. W.

DIRECTION FUNDERS MANASQUAN ~~MANTALOKING~~ COMPASS STA 1922

Number.	Date.	From or To—	Subject.
638009	8/22	3d Dist.	Quarterly inspection report. W
641477	9/13	3d Dist	Quarterly inspection report. W.
641280	9/16	To S&A 1072	Reqstshipment of coil from Phila to So Nj W RB 11/22 W
616366	FROM CARD #2		N YN Request provide funds 9/19 W To Y- relocation to manasquan 9/25

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DIRECTION FINDERS MANTOLOKING STATION 1922

Number.	Date.	From or To—	Subject.	
644181	10/5	3d Dist. (T)	Mantoloking compass out of commission; being moved to Manasquan. W.	
644696	10/11	To NY	Radio compass Station Manisquan N J - location of- Reqsts longitude and latitude of N.Y. W Gives latitude and longitude.10/18 W	
647559	10/30	Atl.Coast Supt	(T) Manasquan out of commission for calibrating. W.	
647879	11/1	3d Dist. Copy	Calibration completed. W.	
652941	12/9	Y&D	Gives numbers assigned to Compass Stations W Fwds 3rd dist. 1/6/23	

DIRECTION FINDERS MANTALOKING RADIO COMPS STATION

Number.	Date.	From or To—	Subject.	
590033	10/11	Phila.	Quarterly inspection report. W.	
		1922		
503066	1/3	Phila	Request authorize issue of standard s receiver to Station. W. To Phila Authorized 1/7/22 To Phila- Gives disposition of amplifier 1/19 To Phila Gives Action 1/21	
604256	1/12	Phila.	Quarterly inspection report. W.	
606808	1/13 1/27	Lakehurst Y&D	Fwds print of Mantoloking compass station- also sheets of inspection report. W. Y&D- 2/10 W. Fwds Yds & Docks 2/13 cc Phila. with print. RB 2/16 W Fwd Y&D-allots $100 to cover dismantling-2:24-W Y&D- Copy action to 4th Dist. 2/28 W Fwds Yds & Docks 3/25	

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DIRECTION FINDERS MANTALOKING RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
616366	?	N.Y.	Has secured permission from N.J. National Guard in conn with relocation of station- fwds prints. W. Fwds Dir Commns 4/7 RB 4/28 W	
TO CARD 3			To NY via Yds & Docks - Relocation cc Dir Comm Phila 5/13 N.Y.- Recommendations cov allotments. 5/26 W To NY- Phila- Gives inform 6/1 To New York via Y&D Authd 6/3 WK N.Y.- Request truck assigned to station be replaced. 7/10 W. Fwds Y&D 7/15 W RB 8/24/22.W. Fwds Y&D 8/31 W	
624104	5/17	Y&D	Copy of endorsement to N.Y. auth propare plans and specifications for new radio compass building at Manasquan. WW Y&D- Copy action to N.Y. 5/17 W. W&D- Copy action to N.Y. 6/5 W Y&D 6/23 Request auth additional allotment W Y&D- Copy action to Cdt 3d Dist. 6/28 W. To Y&D- Authd 6/30 WK	
624270	4/24 5/18	Phila. Y&D	Ask if Bureau has a Ford truck which could be furn station in lieu of repairing truck now on hand. W. Fwds Phila 5/31	
633784	6/30	Phila.	Quarterly inspection report. W.	

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[OVER.]

DIRECTION FINDERS: MANTALOKING RADIO COMPASS STATION -1919-

Number.	Date.	From or To—	Subject.	
463057	12/12	NY	Quarterly inspection report - W	
NY SO 39	1/2 2/3	Fwded Asst Secty	Reqn covering garage rent- for use of personnel at station truck assigned to that station WR	
484723	3/30	NY	Quarterly inspection report	W.
490273	4/23 4/27	3d Dist Communications	Quarterly inspection report fwd Com 4/29	W.
507751	7-25	Phila	Report of inspection; W	
512825	8/23	To Phila(T)	To Phila does not concur with changes in instln 8-4 MONTOLOKING states amplifier being instaeed. Reqst this work be abandonded.	W
517097	9-11	Phila	Quarters added; fwds prints and estimates; W	
525500	10-20	Phila	Report of inspection of Mantoloking Radio Comp Sta; W	

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N.S.E. Form 134.

DIRECTION FINDERS MANTOLOKING RADIO COMP STA

Number.	Date.	From or To—	Subject.
533200	12/6	Phila.	Calibration of station co pleted. W.
5			To Phila 12/28
		Phila-Fwds map of Point Pleasant and option on property. 6/20 W	Phila- Rqst authority to transfer allotments. 5/18 W.
Phila	7/1		
534187	12/10	Y&D	Fwds Phila. drawing showing Coast Guard bearings at Mantoloking and proposed alterations. W.
538788	1/6	Phila.	Request inform rel to ownership of property on which station is located. W.
			To Phila auth to use site 1-25
			4th Dist- 2/10 "
540741	1-21	To Communications	Quotation from quarterly inspection report of station W copy Phila RB 1-28
			4th Dist--Fwds print showing working sectors and areas with report on. 1/28 W CANCELLED
			Fwd N.Y. 2-3-21 RB 2-11
			Communications 2/16 W.
			Fwd NY via Commun 2-25 RB 3/24 W
544778	2/4	Phila.	In conn with reducing cost of power at compass station request shipt orders covering batteries for. W.
			To Phila - will not furnish additional batteries at this time 2-11
557669	4/14	Phila.	Quarterly inspection report. W.
575179	7/20	To N. Y.	Radio compass relocation of Mantoloking. W copy Comm and Comdt Phila
576521	7;21	Phila	Quarterly inspn report.W

919-21

DIRECTION FINDERS MONTAUK RADIO COMPASS STATION 1922 4

Number.	Date.	From or To—	Subject.	
651008	11/23	New York	Report on calibration and changes to be made in cable between compass and transmitting station W To NY- substitution of cable appvd 12/7	
654473	12/15	Dept	Copy of letter to 3 District giving instructions covering Duval operation of Amagansett receiving station W	

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS MONTAUK RADIO COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
643504	9/29	Y&D	Copy of letter to NY authorizing repairs to radio compass house W	
			Y&D- Rcd to repairs to radio compass house. Fwds Y&D 10/13 WK	10/10W
64				
645276	10/12	Y&D	Copy of telegram to N.Y. authorizing addtl expenditures on radio compass house and engine house. W.	
645896	10/17	NY.	Furnished Coast Guard motor sailer for laying communication cable Roamer shoals to Compass station. W.	
649083	11/10	3rd District Copy	Compass Sta out of commission for recommissioning and calibration W	

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DIRECTION FINDERS MONTAUK RADIO COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
649375	11/13	3rd District	Copy. Station will be placed in commission. Will furnish no independent bearings until calibration is completed D	
649529	11/14	3rd District	Copy radio stations placed out of commission for completion of calibration W	
649942	11/17	3rd Dist copy	Calibration completed. Will be placed in commission 11/30 W	
650809	11/23	3rd Dist copy	Station placed in commission W	

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[OVER.]

DIRECTION FINDERS MONTAUK RADIO COMPASS STATION 1920

Number.	Date.	From or To—	Subject.
525229	10/22	N.Y.	Quarterly inspection report. W.
542675	1/24	Boston	Quarterly inspection report. W
544753	2/4	N.Y.	Fwds report of recalibration. W.
563836	5/13	N.Y.	Subm outline of radio work, fiscal year 1922, Amagansett. W.
563835	5/13	N.Y.	Subm outline of radio work, fiscal year 1922, Montauk. W.
573835	7-8	To N.Y.	Reqst continuation of lease for station Montauk Point W
585086	9/12	Y&D	Rqst allotment of $247. for instln of wiring electrial service. WK Fwd Yds & Docks cc NY 9/21 Y&D- Copy action to N.Y. 10/15 W
588146	9/19 9/29	3d Dist. Jag.	Renewal lease with Montauk Dock and Imprvt Co.- Fwds. W Fwd Judge Advocate General 10/6

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DIRECTION FINDERS MONTAUK RADIO COMPASS STATION 1920

Number.	Date.	From or To—	Subject.
590290	10/19	To Dir communication	Installation and calibration of radio compass apparatus completed on 9/27/21 W
		1922	
615016	3/25	To NY	Radio Compass Stations Amagansett and Sandy Hook Data regarding geographic positionsof Fwds data W
		19	
624470	5/20	3d Dist. Copy	Calibration of station completed. W.
627968	6/14	3d Dist copy	Compass Sta in commission W
642009	9/19	N.Y.	Request auth to supply LC Smith typewriter to Amagansett to replace underwood surveyd. W. To NY- Grant's authority 9/23

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[OVER.]

N.S.E. Form 134.

MONTAUK RADIO COMPASS STATION.

Number.	Date.	From or To—	Subject.	
457211	11-10	N Y	Rqst destroyer be detailed to calibrate station. To N.Y. reqst assignment of vessel 11 /13	W
457288	11/10 11/11	3d Dist Com	Quarterly inspection report. Fwd Com 11/14	W
457211	11/13	To		
457512	11/13	To Operations	Assignment of vessel DICKERSON for calibration of station Montauk Pt. W Reqsts same.	
457524	11/14	To IM N.Y.	Reqst make arrangements to transfer bunks now in use Montauk Pt. to Compass Sta. W	
458539	11-18	Dept.	Copy of telegram to Atlantic Fleet directing detail 1 destroyer to 3d Dist for temporary duty in conn with calbration of Montauk Radio Sta.	W

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Number.	Date.	From or To—	Subject.	
458985	11/19	Pensacola (Copy)	Rodgers designated temporary duty, in conn with calibration of Montauk Radio Comp.Sta.	W
459331	11-21	Atl. Flt. (copy)	Have directed O'BRIEN to report to 3rd Dist for temporary duty in conn with calibration of Montauk Pt. Radio Comp. Sta.	W
463293	12/13	New York	Subm report on calibration of Montauk Radio Comp. Sta.	W.
466133	12/30	N.Y.	Quarterly inspection report.	W.
485351	4/2	NY	Quarterly inspection report .	W.
500430	6/19	N.Y.	Quarterly inspection report W.	

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Number.	Date.	From or To—	Subject.
533868	12/8	6th Dist.	Recommendations covering relocation of Morris Island Comp Sta to Folley Island; fwds prints. W.
	fwd Sec Chas- Fwds prints showing plant of property.	1-7 2/9 W	fwd Commun 12/11 To Chasn 12-24 RB 1/5/21 To Chasn via Yds & Docks Recomdns appvd 12-24 ?? Copy of action to 6th Dist. ?? W.
534838	12/14	Communication	Fwds map of Folley Island in conn with relocatio of Morris Island compass sta. W.
535034	12/13	Chasn.	Quarterly inspection report. W.
538057	1/3	Y&D	Copy of endorsement to Chasn. authorizing removal of present buildings at Morris Isl. to new site on Folley Island. W/
547209	2/16	Boston	Subm report on geographic office of compass station. W.
548705	2/24	Chasn.	Copy of letter to Y&D fwding copy of abstract of title in conn with relocation of Morris Island compass Station on Folley Isl. W. Dept-Copy of action to Chasn 4/16 W Solicitor- 5/10 W
555905	4/1	Chasn.	Quarterly inspection report. W.

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DIRECTION FINDERS MORRIS ISLAND RADIO COMP STATION 1922

Number.	Date.	From or To—	Subject.	
616959	3/24 4/4	Pug. Sd. Y&D	Fwds copy of Miller Bros cov constrn of water storage and walks. W. Fwds Yds & Docks 4/12	

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[OVER.]

DIRECTION FINDERS MORRIS ISLAND RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
465758	12/22 12/27	Chasn. 6th Dist	Quarterly inspection report. To Operations. Fwds quarterly report. 1-8 RE 1/12 To Chasn via 6th Dist. 1-13 To Chas- reqs progress report made in calibration of compass stations under your cog 2/6 Chasn- Calibration will be completed when stmt Sub-Chaser 201 is recommissioned. 2/10	W.
470315	1/17 1/19	Chasn Communications	Quarterly inspection report. Fwd D.N.C. 1-21	W.
480920	3/6 3/8	Chasn. 6th Dist.	Quarterly inspection report.	W.
464310	1-21	Charleston	Outline of radio work Morris Is Sta:	604
428356	3/29	Chasn.	Annual maintenance allowance, Morris Island comp station- should be increased	919-1
488519	4/16 4/19	6th Dist Communications	Quarterly inspection report fwd Com 4-23	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
492416	5/8	Chasn, Copy	Morris Island Comp Sta. placed in commission 5/7	W
493040	5/6	Chasn.	Subm recommendations and comments on inspection of.	W.
497519	5/27	Chasn.	Quarterly inspection report	W.
516849	9/13	Y&D	Copy of instrns rel to furniture for Morris Island. W.	
520745	9/30	Chasn,	Quarterly inspection report. W.	
528562	10/29 11/9	Chasn. Dept	Request authority to order yard workmen to Morris Island for duty in conn with constrn of compass station. W. fwd Secty 11-13	
530382	11/18 11/20	6th Dist. Communications	Quarterly inspection report. W. fwd Comm 11/29	
Chasn-submits est-12:21-W Fwd C&R 1/6/21 RB 1-12			To Chasn 12/14 Chasn- Copy of action to C&R 2/4 YW	
528830	11-22	To Chasn via Y&D	Auth material for station Morris Island WL Y&D- Copy of action to Chasn. 12/1 W.	
532243	12/6	6th dist	Copy- addtl allotment of $2 000 required to relocate present buildings and equipt W	

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[OVER.]

DIRECTION FINDERS NORTH TRURO RADIO STA 1922

Number.	Date.	From or To—	Subject.	
641952	9/6	M.I.	Submits estimates in conn with relocation of station W To MI- - estimated 12/2 M.I. 12/12 W	
643724	10/7	To Boston 919-33	Radio Compass Station Chatham- Ask disposition made of building and when land can be vacated and the lease terminated W Boston- Lease may be terminated at any time. 10/31 W. Fwds Dept via Yds & Docks 11/27	

Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS NORTH TRURO RADIO STA 1920

Number.	Date.	From or To—	Subject.	
535708	12/18	Y&D	Copy of letter to Boston inconn with post of barracks. W.	
538661	1-7	To Direc Nav Commun	Relocation of radio compass station Cape Cod. W	
540446	1/14	Bostobn (T)	Request $250 bf allotment made be given Coast Guard to cover replacement of underground Cables near old compass house by overhead wire W To Boston Tel 1-15	
553768	3/25	Boston	Quarterly inspection report. W.	
566204	5/26	Y&D	Constrn of compass house completed with saving from allotment. K	
566462	5/27	Y&D	Copy of letter to Boston in conn with completion of compass house with saving from allotment. K	
583667	9 1	Boston	Quarterly inspection report. W.	
558026	4/9 4/15	Boston Y&D	Recommendations covering disposition of 1032 buildings at abandoned radio stations. North Truro and South Wellfleet- fwds photos. W	

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Number.	Date.	From or To—	Subject.
591791	10/21	Y&D	Fwds instructions rel to submitting data for book "Published Work of the Navy" W Fwd Boston 10/31
599300	12/7	Y&D	Gives saving under allotment cov crew's quarters and wind proofing quarters of officer in charge of compass station, North Truro. W.
613454	3/13	Y&D	Gives building numbers assigned to buildings at North Island. W. Fwds Chasn 3/16
623737	5/15	Boston	Quarterly inspection report W

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[OVER.]

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DIRECTION FINDERS NORTH TRURO RADIO STATION.

Number.	Date.	From or To—	Subject.	
465245	12/23	Boston	Quarterly inspection report. W.	
466027	12/27 12/29	1st Dist Communications	North Truro Radio Comp Station- Quarterly inspection report. Fwd Communications. 1-3	W.
465246	12/23	Boston	North Truro Radio Sta- Quarterly inspection report. W.	802
466023	12/26	1st Dist	North Truro Station- Quarterly inspection report. W Fwds Communications. 12/31	802
466582	1-5	To Boston 1920	Fwds copy of report by the District Communication Supt. W Boston- 1/9	
478278	2/25	Boston	Quarterly inspection report.	W.
509905	8/4	Boston	Quarterly inspection report. W.	
510443			8/12 fwd Commun.	

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N.S.E. Form 134.

DIRECTION FINDERS NORTH TRURO STA.

Number.	Date.	From or To—	Subject.	
515005	8/21	Boston	Request copy of revised compass houses plan. W.	
			Y&D fwds copy of letter. Reqs modification of plan. 9/8	
			Y&D- Fwds prints modified, receiving room. 9/21 W	
522310	10/11	1st Dist. Copy	Stations will be placed in commission 10 13 W.	
523135	10-16	To S&A	Reqst shipmt of batteries from Boston to chatham 4803 L RB 11/3 L	
526929	10-20 10-30	North Truro 1st Dist	Request copy of machinery radio report; W	
531921	11/29	1st Dist.	Subm report on bearings and static. W.	
532619	12/2	1st Dist.	~~Subm report of bearing and static at North~~ Truro. W.	
535163	12/15	Boston	Quarterly inspection report. W.	

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[OVER.]

DIRECTION FINDERS PASS A LOUTRE LA RADIO COMPASS STATION 1921

Number.	Date.	From or To—	Subject.	
558973	4/16	New Orln.	Quarterly inspection report. W.	
565744	5/24	Y&D	~~Work in cnn with station completed with~~ saving from allotment. W.	
577447	7/21	New Orln.	Quarterly inspection report. W.	
591353	10/18	New Orln.	Request auth to ship type writers to Grand Isle, Pass-a-Loutre and Burwood. W. To NO- disappvd 10/25	
600356	12/9	New Orln.	Quarterly inspection report. W.	
590140	1/16	Dept of Commerce	Rel to removal of compass station at Pass A Loutre to Port Eads. W. Dept Commerce 2/9 W To NO- allotment authd 3/ Scc dir comm. To NO(T) hold project in abeyance for further instrns 3/20 see 919-1	919-1 Error - changed to 919-1

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DIRECTION FINDERS PASS A LOUTRE RADIO COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
606461	1/23	New Orln.	Quarterly inspec6ion report. W.	
615914	3/24	New Orln.	Quarterly inspection report. W	
619186	4/18	New Orln. Copy	Request auth to place station out of commission. 4/20 W.	
622267	5/7	New Orln. Copy	Request disbursing officer advance expenses to radio mess cov subsistence of men.	W.
635495	7/31	Norf. (T)	Radio set grounded - Poyners Hill line out of commission due to electrical storm.	W.

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[OVER.]

Number.	Date.	From or To—	Subject.	
508350	7/27	New Orln.	Request authority to expend $100. for purchase of voltmeter and ammeter. W. To NO 8-2	
516551	9-22	To S&A	Reqst shipt of amplifer from Washington to N.Orlns W	
509530	9/18	New Orln	Lists improvements nec at Pass a Loutre.	919-1.
518856	9/15	New Orln. Y&D-copy of action to N Orl-11-24-W	Quarterly inspection report. W. To N.O. 10/1	
OVER	New Orln-Rqst travel orders be issued to Dist. radio officer to be present at trials. 10/19 W. New Orleans: submits estimates; 10-29; W To NO via Y&D 11-18		New Orln- Coast Guard telephone and telegraph wire cannot be reliable. 10/9 W. To NO (T) will appvs instln transmitters 10-16	
519129	9/24	New Orln.	Subm list of spare parts for transmitter. W.	
520372	9/30 10/1	New Orln. Y&D	Subm estimates covering additions and improvements to compass station. W. Fwd Yds & Docks 10-28 Y&D; copy of action to New Orleans; 11-1; W	
520696	9/28	New Orln.	Request authority to install 1 KW marconi set and storage battery. W.	
523099	10/9	New Orln.	Request action on request for transformers for amplifiers. W.	

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N.S.E. Form 134.

919 - 24 PASS A LOUTRE, La.

Number.	Date.	From or To—	Subject.
526408	10-28	New Orleans	Submits estimates covering installation of 3 k.w. Delco charging unit and 1-2 k.w. radio transmitter. W
528829	11-13	To S&A	Reqst shipt of Delco gas engine driven gen from N.Y. to N.Orlns for Pass A Loutre. W
518856	FROM OVER		New Orln. 11/30 W To N.O. rel action taken 12/10 New Orln- Fwds prints showing arrangements of store house. 2/14 W fwd Y&D 2/23/21
534939	12/14	Communications	Fwds reports of bearings taken on static by Pass a Loutre compass sta. W.
537821	12/29	New Orln.	Request allotment $200 covering instln of lighting system for dormitory buildings. W To N.O. 1/5/21
546846	2/12	New Orln.	Quarterly inspection report. W. To NO. 2-21 2-21 New Orln.- gives reasons why missing system unsatisf. 3/1 W Fwd Navign via Dir comms 3/10 To NO 3-12
550592	2/23 3/7	Passa Loutre 8th Dist	Report on bearings. W.

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1919

PASS-a-LOUTRE LA.

Number.	Date.	From or To—	Subject.	
456447	10;24	New Orl	Expenditure report for ending of first quarter, reqst allotment of $156.80 covering. To N.O. - regn should be subm covering this special service 11/7 N O 11-22 Rqst auth to transf allotments. To N.O. auth 156.00 12/8	WR
459350	11-19	New Orl	Rqst 2 additional storage batteries be furnished for station.	W
461403	12/1	New Orl.	Will be ready for establishment of tru north and south line by 12/10. W	
462191	12/5	New Orln	Request library be furnished for use of station personnel. W.	
466503	12/24	New Orln.	Pass- A-Loutre - Quarterly inspection report. W.	
		1920		
468617	1/4	New Orln.	Fwds photos of Pass a Loutre Comp Sta.	W.
472002	1;22	N Orleans	Fwds progress photographs.W	

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N.S.E. Form 134.

919-24: PASS-a-LOUTRE LA.

Number.	Date.	From or To—	Subject.	
472489	1;22	N Orl	Submits estimate covering copper sheathing of motor dory for PASS-A-LOUTRE radio-compass station W&Y	
472490	1;22	N Orl	Submits estimate covering copper sheathing of motor dory for Berwood radio compass station. W&Y	
CANCELLED -see 472490-919-5			New Orln 2/14 fwd C&R 3/3 C&R- 4/6 Y	
481269	3/6 3/12	New Orln Y&D	Request increase in allotment covering constructions of. fwd Y&D 3/15	W.
480739	3-11	To I.M. New Orleans	Control lines for compass station. W New Orln. 5/17	
485412	3/27	New Orln.	Request authority to increase estimated cost of requisition covering contract entered into with Dist. Engineers, Newark. fwd S&A 4-8	RW.
487826	4/14	New Orln	Subm report covering calibration.	W.
498059	6/4	New Orln.	Radio compass error curves- fwds.	W. W

[OVER.]

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DIRECTION FINDERS PRICE'S NECK COMP STA 1921

Number.	Date.	From or To—	Subject.
601070	12/19	Y&D	Purchase of furniture for barracks completed with saving from allotment. W. Y&D- Copy af letter to Boston returning balance. 12/19 W
601807	12/20 12/23	Bston Y&D	Improvement to grounds- recommends small allotment cov be cancelled - can accomplish nothing. W. Fwd Yds & Docks 12/30 Y&D- Returns balance from allotment. 1/4 W Y&D- Copy action to Boston. 1/4 W
621860	5/4	Boston	Quarterly inspection report. W.
623703	5/17	To S&A 305	Reqst shipment of Battery Charging Unit from Norf to Prices neck W
625904	5/29	Y&D	Copy of letter to Boston stating approved credit card will be fwded cov savings under allotment cov repairs to private road. W.

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DIRECTION FINDERS PRICES NECK COMP STATION 1922

Number.	Date.	From or To—	Subject.	
648273	11/3	Boston	FGds photos of grounds before and after improvements. W.	

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[OVER.]

DIRECTION FINDERS PRICE'S NECK RADIO COMP STATION 2

Number.	Date.	From or To—	Subject.
538845	1/6	Y&D	Copy of letter to Boston in conn with allotments made for quarters for radio compass pprsonnel. W.
	-		Y&D--Copy of action to Bost. 1/29 W
543131	1/26	Boston	Special allotment covering instln of compass apprs and extension of telegraph line in burried cable. WK
			To Boston 2-2-21
548133	2/12	Boston	Subm list of equipt recommended for furnishing single barracks. W.
	2/23	Y&D	fwd Y&D 3-11
			Y&D- Copy of action to Boston. 3/14 W.
554015	3/26 m	Boston	Quarterly inspection report W.
571663	6/24	Boston	Quarterly inspection report. W
			To Y&D- defects of new barracks 7-9 RB 9/2 W
			Y&D-Copy action to Boston 8/13 W
			Y&D-Request return papers. 9/24 W.
			Fwd Ias & Decks 10/31
572118	6/28	Y&D	Copy letter to Boston stating approved credit cards will be fwded cov instln of water sustem for barracks. KW.
			Y&D- Returns savings from allotment. KW. 6/25
583			

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N. Eng. 134

DIRECTION FINDERS PRICE'sNECK RADIO COMP STA. 1921

Number.	Date.	From or To—	Subject.	
584632	8/3	Boston	Reports damages to road way -rqst allotment to cover repairs. WK Fwd Yds & Docks cc Boston 9/15 RB 10/24 W Y&D- Copy action to Boston.9/16 W Fwds Yds & Docks 11/4 Y&D- Copy action to Boston. 11/5 W	
586279	9/19	Boston	Quarterly inspection report.W.	
586684	9/20	Boston	Improvement to grounds at Station; fwds print with recommendations W Fwd Yds & Docks 10/6 RB 10/7 with plan W Fwd Yds & Docks 10/13	
587766	9/23	Chasn.	Quarterly inspection report. W.	
590150	10/13	Y&D	Copy of letter to Boston rel to improvement to grounds at Compass station. W.	
597278	11/1	Chasn.	Fwds radio compass deviation curve. W. To Chasn Returns deviation curves 12/10	

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DIRECTION FINDERS: PRICE'S NECK RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
457855	11/13	Boston	Quarterly inspection report. W.	
		1920		
466618	12/30 1/2	1st Dist Communications	Quarterly inspection report. FwdD.C.S. 1st Dist Boston. 1-6	W.
480134	3/4	Boston	Quarterly inspection report.	W.
484534	3/30	CO Copy	Are proceeding with calibration Prices-Neck radio compass station - AW	290-Q-8
486140	4/5 4/6	1st Dist Communications	Quarterly inspection report fwd Comm 4-8	W.
493160	5/12	1st Dist Copy	Station recommissioned.	W.
495179	5/20	Boston	Quarterly inspection report	W

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DIRECTION FINDERS: PRICE'S NECK RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
498513	6/4 6/8	1st Dist: Communications	Quarterly inspection report fwd Com 6-16	W.
511184	8/11	Bostoh	Quarterly inspection report. W.	
517760	9-16	Boston	Fwds sketches; recommends purchase of additional strip; W	
521278	10/6 (T)	Boston Regt (T)	Request vandyke of grid leaks plan of quarters on Prices Neck Sta. W.	
531169	11;24	Boston	Quarterly inspen report.W	
534762	12/13	Boston	Quarterly inspection report. W.	
534970	12/14 Coast Guard- 1/10 W.	Boston	Ask what rights Coast Guard has to use privately owned road to compass station. W. To Coast Guard. reqst info 12/21 To Boston 1-6-21	
536077	12/21	Y&D	Ask if Bureu will authorize increase allotment covering cost of radio quarters. W. To Yds & Docks Authds sum listed 12-28	

DIRECTION FINDERS ROCKAWAY BEACH COMPASS STATION. 1

Number.	Date.	From or To—	Subject.	
463055	12/12	N.Y.	Quarterly inspection report. W.	
464310	2/3	N.Y.	Outline of work, Rockaway Beach Radio Comp station. Fwds prints.	604
502135	6/28	N.Y.	Quarterly inspection report W.	
506704	7/21	N.Y.	Fwds sketch showing proposed locations of Coast Guard reservation and radio compass reservation. W. To N.Y. reqst survey 7-28 N.Y.- Fwds rough sketch showing proposed location of compass house. 8/12 W. To NY. - relocation of radio comp Rockaway 9/1 N.Y.; suggestions for relocation; fwds plan; 9-17. W. To NY via Y&D- rel location $2000 allotted 9-27	
525231	10/22	N.Y.	Old apparatus removed from, not in condition for reinstln. W.	
563131	5/10	N.Y.	Fwds recalibration curves. W.	
563428	5/9	N.Y.	Rockaway Station calibrated -rqst instrns rel to status of. W. To Nav Commun 5-16 fwd Commun 5/20 RB 5/27 W	

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DIRECTION FINDERS ROCKAWAY BEACH COMPASS STATION 1921

Number.	Date.	From or To—	Subject.	
563829	5/13	N.Y.	Subm outline of radio work, fiscal year 1922. W.	
596307	11/17	Y&D	Fwds sheets to be filled out cov miscl data for ~~data~~ books Public Works of the Navy. W Fwd NY 11/29	

DIRECTION FINDERS SANDY HOOK COMP STA 1922

Number.	Date.	From or To—	Subject.
626073	6/1	N.Y. Copy	Calibration of Sandy Hook delayed on acct of weather conditions. W.
627246	6/8	3d Dist. Copy	Calibration of Sandy Hook completed- station in commission. W.
630571	7/3	To Western Elec Co	Suggests Sandy Hook Compass Sta be used for experimental work W dc 3d nav Dist.
639010	8/22	3d Dist.	Quarterly inspection report. W.

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DIRECTION FINDERS SANDY HOOK COMP STA 1922

Number.	Date.	From or To—	Subject.
641307	9/11	3d Dist.	Report of inspection. W.
648050	11/2	3d Dist. Copy	Sandy Hook calibration completed - station placed in commission. W.

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DIRECTION FINDER SANDY HOOK NJ 1920 1921

Number.	Date.	From or To—	Subject.	
534186	12/10	Y&D	3d Dist. has been requested to completed compass houses at Sandy Hook and Rockaway. W	
535038	12/15	Y&D	Copy of letter to 3d Dist. in conn with increased cost of water piping for barracks building. W. Y&D-necessary for Bureau to make addtl allotment 12;23-W To Y&D 12/30 ~~Boston 1/8 - - -L~~ Y&D- Copy of action to N.Y. 1/7 W. Y&D- Returns balance from allotment. 4/22 W.	
542136	1/22	NY	Request allotment of $300 for heating equipt and furnishings. W. To NY via Y&D 1-26 Y&D--Copy of action to NY. 1/29 W	
544062	1/24 2/1	N.Y. S&A	Amended invoices to cover charges for gasoline issued by Fort Hancock to radio station have not been received. KW. fwd S&A 2-10	
546000	2/11	Radio Corpn of America CANCELLED- see 1043	Request payment of March 1920 rental. WK	
553429	3/24	N.Y.	Fwds curves in conn with recalibration of station. W.	

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DIRECTION FINDER SANDY HOOK N.J. 1921

Number.	Date.	From or To—	Subject.
559080	4/20	Y&D	Copy of letter to N.Y. in conn with elec meter for Sandy Hook compass station. W.
560306	4;26	Y&D	Copy of letter to 3rd Dis in connection with allotment covering installing water piping at SanDiego.W
563830	5/13	N.Y.	Subm outline of radio work for fiscal year 1922. W.
567217	6/1	Y&D	Elec meter installed with saving from allotment. W.
567368	6/2	Y&D	Copy of letter to N.Y. stating elec motor installed without charge to allotment. W
574569	7-14	To Comdt N.Y.	Radio compass- Commun via Coast Guard lines between Sandy Hook and Mantoloking W N.Y.- Nec to continue present leased lines thru August. 7/28 W
577			

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DIRECTION FINDERS: SANDY HOOK RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
460892	11/28 12/1	3d Dist Com	Quarterly inspection report. Fwd Com 12/8	W
464976	12/22	N.Y	Quarterly inspection report. W.	
485355	4/2	N.Y	Quarterly inspection report W	
485774	4/3	NY	Fwds 800 meter calibration curve. W.	
491347	4/29 5/3	3d Dist Communications	Quarterly inspection report fwd Com 5/4	W
502994	7-9	To Y&D	Reqst constructions of compass house at station Sandy Hook. WK copy NY Y&D -Copy of action to N.Y. 7/13 W.	
506708	7/21 Fwd NY via Y&D 8/24 RB 9/21 W Y&D- Copy of action. 8/26 W.	N.Y.	Subm recommendations covering relocation of station. W. To NY. auth relocation 7/26 N.Y.- Fwds prints showing relocation of compass station. 8/12 W.	

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Number.	Date.	From or To—	Subject.	
507482	7/24	Enston	Fwds copies of proposed lease, Surfside radio station. W.	
507566	7/20 7/24 v	N.Y. Y&D	Request reallot $60 covering instln of elec meter. WK fwd Y&D. 7-28 Y&D 7/29 W Y&D- Copy of action to New York. 7/30. W.	
508655	7/30	N.Y.	Quarterly inspection report. W.	
515488	9/3 Y&d- Rqst for smaller barracks. 9/ 11 W. To Y&D 9-28 Y&D-Rqst author addl expenditure $1,000.10/4 W	Y&D Confirm authorization of	Copy of instrns to 3d Dist., radio buildings Sandy Hook and Long Beach. W. Y&D- Request definite location be decided on. 9/11 W. To N.Y. 1-8-21 To Y&D a lotment 10/13	
515158	9-8 Y&D- Copy of action. 11/13 W. Fwd Y&D 12/4	To War Dept.	Reqst permission to re-locate radio comp station Sandy Hook on army reserva ion at Fort Hancock. W ~~Texxxxxxxxx~~ War Dept. Fwds photostat showing new locations. 11/1 W. To NY via Y&D 11/12 RB 12/3 W.	
518315	8/27	3d Dist.	Quarterly inspection report. W.	
521745	10/8	Y&D	Fwds prints of proposed radio compass building. W.	
531472	11/27	N.Y. (T)	Request Y&D provide adequate screening of operating room and revise plans accordingly. W. Fwd Y&D 11/30 RB 12/2 W.	

DIRECTING FINDERS POYNERS HILL COMPASS STATION 1922

Number.	Date.	From or To—		Subject.	
633211	FROM CARD	3		Communications 8/29 W. To Norf- instln disapproved 9/11	
640723	9/6	Norf.	(T)	Completion of motor boat delayed awaiting arrival of engine. WY To Norf (T) Spark set Poyners Hill disapproved 9/8	
642390	9/22	Norf.	Copy	Land line Poyners Hill, Cape Hatteras out of commission, due to storm. W.	

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DIRECTION FINDERS POYNERS HILL COMP STA 1922

Number.	Date.	From or To—	Subject.	
642904	9/26	Norf. (T)	Coast Guard Communication line, Poyners Hill and Cape Hatteras operating poorly. Norf- (T) Report on damage to buildings caused by rain. 9/27 W.	W.
646438	10/15	Poplar Branch Compass Sta	Static report W	
650728	11/22	Norf	Quarterly inspection report W	

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POYNERS HILL

DIRECTION FINDERS--~~SMITH ISLAND~~ COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
587409	FROM CARD 2		Norf- Request immediate action.3/16 W Norf 3/17 Y	
616072	3/28	Norf.	Quarterly inspectionreport. W.	
619375	4/19	Norf. (T)	Calibration completed at Poyner's Hill compass station. W.	

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DIRECTION FINDERS SMITH ISLAND COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
No Norf	N S A Rqn	46-1/2 1922 5/29 Fwds	C&R Motor boat for station. Changes sugested in specifications Ye R	
628204	6/14	Norfolk	Quarterly inspection report W	
633211	7/17	Norf. (T)	Land lines between Cape Hatteras and Poyners Hill out- recommends instln of 1/2 KW spark transmitter at Poyners hill- land line from Na. Beach to Hog Is. out. W.	
TO CARD	4		To Norf- Reqsts estimate be submitted 7/28 Norf- 8/14- Recommends tower be installed. 8/14 W. To Dir Commns- constrn of authd- gives action 8/26	
635945	8/3	To Norf (T)	7303 Yr 2031 1620 See Buen letter 28 july W	

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DIRECTION FINDERS SMITH ISLE COMPASS STATION 1921 2

Number.	Date.	From or To—	Subject.
550392	3/8	Y&D	Have made allotment to Norf. cov cost of replacement of doors and windows. W. To Y&D 3-11
554377	3/29	Norf.	Quarterly inspection report. W. To IM Norf Withdrawal of l ad and cable Norf 4/18 Norf-4/29 W To Norf 5-11
		Norf- Sum estimates cov cost of 16' dingy. 5/28 W. To Norf 6-16	
555225	3/30 4/2	Weather Bur. Communications	In conn with moving weather Bureau pole line in vicinity of station. W. Fwd Communications cc IM Norf 4/8 Communications - Copy of letter to Weather Bureau. 4/9 W.
557803	4/14	Norf.	Gives latitude and longitude of stations, Virginia Beach, and Poyner's Hill. W. To Dir Comm- Gives positions of Radio Compass 4/20
558913	4/19	Norf.	Recommends line circuit between Poyner's Hill and Cape Hatteras be simplexed. W. To Coast Guard 5-7 Coast Guard- Report of expenditures- 6/13 W Fwd S&A 6/20
559578	4/23	To S&A	Reqst shipmt of ~~red~~ battery from Norf to Poyner's Hill 7147 L RB 6/1 W
565188	5/21	Norf. Copy	Request authority to place station in com ission.
569902	6/15	Norf.	Quarterly inspection report. W.

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DIRECTION FINDERS SMITH ISLAND COMP STA 1921

Number.	Date.	From or To—	Subject.	
572702	7/1	Norf. Copy	Communication line out of commission due to lightening. W.	
573281	7/5	Norf	Fwds report covering instaln and calibration of compass station. W	
587409	9/26	Norf.	Quarterly inspection report. W.	
CARD 3	Fwd Norf 2/3 RB 3/20/22. W To Norf- Regst reqn be expedited 3/14		To Norf- Gives in form 10/13 To Norf- Recomns not sufficient- 11/8 Norf- Fwds sketch of sound and soundings. 12/15 W	
588407	10/3	Norf. (T)	Fwd C&R cc Norf 1/21 RB 1/30 W. Recalibration completed- station in commission. W Norf- Recomments motor boat be furn. 10/28 W	
593791	11/1	Norf. (T)	Telegraph circuit, South of station out of commission. W.	
600861	12/16	Norf. n	Poyner's Hill- quarterly inspection report. W To Norf- Disapp'd 1/21	
603139	1922 1/4	Norf.	Report on recalibration. W.	
603688	1/5 1/9	5th Dist. Communications	Request boat be furn Poyner's Hill Sta. W. Fwds Nav Communications 1/27 W	

DIRECTION FINDERS: SMITH ISLE COMPASS STATION.

Number.	Date.	From or To—	Subject.	
459304	11-17	Puget Sound	Fwds maps of site for; also for Slip Point.	W
459749	11-17 11-24	5th Dist. Communications	Quarterly inspection report.	W
459686	12/3	To C & R	Reqst 32' motor sailer be assigned to Smith Is. Advising date of same/ W C&R - Copy of letter to NY assigning 30' motor sailing launch to Smith Island Comp Sta. X 611-2	YW.
464163	12/17	Communications	Radio Compass Station at Smith Island will be placed out of commission, due to lack of operating personnel.	W.
465205	12/24	Norf. Copy	Smith Island Comp Sta placed out of commission 12/24.	W
473097	1:30	Norf	Quarterly inspection report.W To Cdt 5th Dist 2/11 To Norf (T) 2/11	

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Number.	Date.	From or To—	Subject.	
474067	2/3	Communications	Chesapeake Bay entrance compass station-recommends be re-located at some point south of Cape Henry	W.
		To Norf. reqst action 4-23	To IM Norf 3/6	
		Norf- Subm estimates and recommendations with prints cov relocation of Smith Island Comp.Sta. 5/27 W	Communications - Request action. 4/20. W. To Com- Norf has been reqsd to report 4-23	
476425	2/19	To Dept Commerce	Fwds prints of stations Slip Point, and Smith Island, rel proposed location of radio comp stations. W	
492423	5/8	Norf Copy	Subm recommendations covering relocation of station site	W
		1921		
539234	1/8	Communications	Gives address of Smith Island comp sta.	W
545066	1/28 2/5	5th Dist. Norf.	Fwds letter from F. Hudson requesting old Smith Island Compass Station buildings be given to him. W	
			fwd Sec 2-8 RB 2-15	
			To Norf 2-21 copy Y&D Sel	

(over.)

DIRECTION FINDERS SURFSIDE RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
646594	10/23	1st Nav Dist T	Surf side radio Compass station in commission W	
648102	10/31 11/2	Boston Y&D	Request addtl allotment be made covering remodeling of building for transmitting house. W Fwds Yds & Docks 11/18	
648286	11/3	Boston	Improvements in design of compass house-recommendations covering. W	
648707	11/7	Boston	Fwds caribration curves W	

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DIRECTION FINDERS SURFSIDE RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
650297	11/20	Y&D	Copy allotment to Boston for SURFSIDE W	
650770	11/25	To Boston	Location of mast- Radio compass station surfside W Reqsts inform Boston 12/12 W	
653497	12/8 12/13	1st District Dept	Rel to effect of installation of radio transmitter on receiving apparatus. at station W To Operns- gives instrns rel operation cc Boston 1/5/23	

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DIRECTION FINDERS FURFSIDE RADIO COMP STATION 1922

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Number.	Date.	From or To—	Subject.	
608099	2/4	Y&D	Allotment made will not be nec for constrns of barracks. W.	
			To Y&D-reallots funds authorized on July 28th-2;28-W	
			Y&D- Copy action to Boston. 3/3 W	
			Y&D- Returns balance from allotment. 3/4 W.	
			To Yds & Docks- Gives Instrns 3/11	
			Y&D- Copy action to Boston. 3/14 W.	
			Y&D- Copy action to Boston 3/14 W.	
			Y&D- Fwds prints showing proposed location of compass house. 3/23 W.	
			Fwds Y&D 4/4 W	
			Y&D- Copy action to Boston. 4/6 W.	
620091	4/21	Communications.	Recommends Bureau assume charges for telephone line for Surfside Station formerly paid by Coast Guard. W.	
			To Boston- Gives inform 5/2	
624857	5/22	Y&D	Returns allotment left over from purchase of furniture for double barracks. W.	
628363	6/15	Y&D	Copy of telegram to Boston stating bids covg compass house will be reopened W	

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Number.	Date.	From or To—	Subject.	
629126	6/21 Y	Y&D	Ask if will auth additional expenditure covg construction of compass house WK To Yds & Docks- Allotment authd 6/24	
630172	6/27	Y&D	Addtl expenditure of $980 allowed . W.	
641285	9/16	To Boston	rel installation of transmitter- W Boston- Plans of instln of transmitter- fwds with comments. 9/28 W To Boston via Yds & Docks- Fwds plans 10/3 Boston- Fwds prints, 10/14 W. To Boston- rel instln of transmitter 10/28	
643148	9/28	1st Dist. (T)	Request auth to place stations out of commission in order to shift apparatus. W.	
643845	10/2	Y&D	Copy of telegram to Boston Yard approving estimates for transmitting station . W. Y&D- Copy action to Boston Yard. 10/6 w 10/ Boston- Copy action to Y&D 10/31 W	

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DIRECTION FINDERS SURF SIDE RADIO STATION. 1920

Number.	Date.	From or To—	Subject.
519142	9/24	Boston	Quarterly inspection report. W.
521034	10/2	1st Dist.	Quarterly inspection report. W
520388	11/16 11/20	Boston Y&D	Ask if land is available covering constrn of double quarters. W. Fwd Y&D 11/29 Y&D- Copy of action to Boston. 12/1 W.
502980	FROM CARD 1		Coast Guard- Subm estimates. 11/27 W. To Communications 12/2 Coast Guard 5/10 WK. Fwd S&A 5/16 Fwd S&A 6/11
534282	12/9	Boston	Quarterly inspection report W. To Boston 12/15 Fwd Communications 12/15 RB 12/16 W To Boston 12/22
534283	12/9	Boston	Recommends maintenance allowance be increased to $1400 W.
545066 see 919-28 SMITH ISLAND			

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DIRECTION FINDERS SURF SIDE RADIO STATION 1921

Number.	Date.	From or To—	Subject.
555400	4/8	To Dept	Reqst for authy to purchase land for permanent site cc Comm Yds&Docks W
	Fwd S&A 7/23 W		Solicitor- Rqst statement as to property desired. 4/12 W.
	To Comdt Boston 7/23 W		Fwd Solicitor cc Yds & Docks 4/16
			SOL-copy of action to Boston-4;23-W
			Y&D-copy of action to Boston-4;28-W
			Solicitor- 5/25 W
			To Y&D 6/13
			Y&D- 6/15 W
			Boston-ask if public bill will be prepared-7;2-W
			fwd S&A 7/14
			Boston-reqt action-7;19-W
569863	6/15	Y&D	Copy of telegram to Boston stating approval of credit cards willbe fwded. W.
573434	7;6	Boston copy	Station permanently discontinued.W
	To Boston Recomdns disappvd 10/12		To Wash Coast Guard 7/13
	Boston- Fwds prints showing quarters with recommendations.11/21 W.		Coast Guard 8/1 W.
	Fwd Judge Advocate General via		Boston- Request action.
	Dept 11/30	RB 12/19 W	To Boston Gives Action 9/7
	Fwd Dept via	Juge Advocate Gen 1/5	Boston-Fwds plan showing land offered for sale by H.C.Everett. 10/3 W.
			Coast Guard- 10/11 W.
583562	8/29	1st Dist.	To Boston Via Yds & Docks- Gives A tion cc Dir comm 10/13
			Quarters for personnel. W.
			Fwd Dir communications 9/12 RB 10/11 W.
			Fwd Dir communications 10/13
			Y&D- 10/14 Copy action to Boston. W.
594097	10/27	Boston	Quarterly inspection report.W.

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DIRECTION FINDERS SURF SIDE RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
466081	12/27	Boston	Quarterly inspection report. Fwd Dist-Com.Supt. 1-3	W.
			1920	
472843	1;29 Boston 3/1	Comm Fwds deviation curves.	Recommends station be recalibrated.W To Boston 2/2 Boston- (T)- Request first destroyer reporting at Newport be diverted for calibration purposes. 2/5	
473086	1;30	Boston T	Request authority to issue 6 vacuum tubes to Surf City compass station.W To Boston (T) 2/1	
474026	2/6	To Operations	Reqst assignment of destroyer to station for Calibration of. W RB 2/12	
474984	2/9	Dept.	Copy of telegram to 3d Dist directing O'Brien proceed to Surfside to Calibrate compass. W. 3d Dist- Copy- O'BRIEN departed for Surfside 2/11. W 2/11.	
477766	2/20	Boston	Quarterly inspection report.	W/
483802	3/25 v	Boston (T)	Request authority to provide Surf Side Comp Sta. with 6 vacuum tubes. To Boston (T) 3/26	W

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DIRECTION FINDERS: SURFSIDE RADIO COMP. STATION.

Number.	Date.	From or To—	Subject.	
486199	4/6 4/7	1st Dist Communications	Quarterly inspection report fwd D.N.C. 4-9	W.
498301	6/7	Boston	Quarterly inspection report To Boston 6-17	W
502980	7-8	To Comdt Coast Guard Coast Guard- Request storage batteries be furn. 9/28 W. To S&A reqst shipmt of batteries from Ports to Ports Coast Guard 10/5 Coast Guard- Rqst stg batteries be furn. 10/7 W.	Radio compass stations Surfside Nantucket construction of metallic circuit from compass house to Siasconsett radio station. W K Comdt Bostn To Coast Guard- rel com lines for stations 1st Dist. 9/11/20 Coast Guard- Request battery 9/22 W To Coast Guard 11/12	
TO CARD 2				
464310	7-12	Boston	Subm tentative site for porposed double barracks at Surfside Station Fwdg prints	604
464310	7-12	Boston	Tentative site for proposed double barracks at Surfside Sta; fwds prints; W	604
508665	8-3	To Boston(T) fwd Comdt Boston 1/7/21 RB 1-27 To Coast Guard- fwds letter from H.C. Everett 1/7/21 To Boston Tel 1-11-21 Fwd Boston via Commdt 1-29-21 To Boston 2-15 RB 2-26 Chasn- Gives reasons why Siasconsett is undesireable. 2/19 W. Coast Guard- Fwds plot plan of Sta. 2/19. 2/19 W. To Coast Guard 2-26-21 To Comdt Boston- 3-9-21 copy Com	Telegraph lowest purchase price for lots 33 and 34 SURFSIDE compass station. W Boston- (T)- Lowest price 8/7 W. To Secty. rel lease 8/10 Dept- Copy of action to Solicitor 8/13 W. Solicitor- Fwds sketch also letter from H.C.Everett for comment. 12/11 W To Boston Tel 3-12 Y&D- Fwds correspondence with prints and estimates covering permanent location of. 3/25 W. Fwd Yds & Docks cc Boston 4/26	604

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WATCH HILL COMPASS STATION 1920 11

Number.	Date.	From or To—	Subject.	
532398	12/1	Boston	Can dispense with leased wire service between Newport an Watch Hill Comp Sta. W.	
549199	2/17 3/1	1st Dist. Coast Guard	Rqst disposition of batteries and equipt for abandoned station. W.	

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Number.	Date.	From or To—	Subject.	

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WATCH HILL

Number.	Date.	From or To—	Subject.	
456686	11/10	To Boston	Reqst estimate covering work. W	
459886	11-18	Boston	Quarterly inspection report.	W
		1920		
466621	12/30 1/2	1st Dist. Dept.	Quarterly inspection report. Fwd D.C.S. 1st Dist Boston. 1-6	W.
480135	3/4	Boston	Quarterly inspection report.	W.
485262	3/31 4/2	1st Dist Communications	Quarterly inspection report. fwd Comm 4/3	W.
502563	6/30	Boston	Quarterly inspection report	W.
464310	7-12	Boston	Recommends auth be obtained to erect barracks on lighthouse reservation Watch Hill Compass Sta; W	604

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WATCH HILL 1920

Number.	Date.	From or To—	Subject.	
510438	8-11	To Comdt Coast Guard	Radio comp station Watch Hill. Reqst turn over quarters to Dept. for electrician in charge and personenl W Coast Guard- 8/13- Grants permission. W To Boston. Instructions. 8/21	
516932	9-13	Boston	Quarterly inspection; W	
523136	10/15	To S&A	Reqdt shipment from Phila to Watch Hill storage bitteries RB 11/16 L	L
523392	10/11 10/15	Boston Y&D	Remodeling cost guard building and furnishing same- subm prints with estimates. W. Fwd Comp 10-28 ; RB 10-30; W fwd Y&D 11-10	
528254	11-12	To Boston	Reqt fwd inventory of station Watch Hill W Boston 11/19 W Boston- Subm list of material removed from station which has been closed. W. To Boston 1/5/21 rel equipment. W C py of letter to Boston cancelling allotment covering remodeling of Coast Guard Building. W.	
		To Coast Guard tenders use of tanks to CG 1/7/21 Coast Guard 1/19 W. Bostn 3/19 W		
529118	11/13	Y&D		
530430	11/16 11/19	Boston Y&D	Fwds blueprints and photostats of specifications cov additions to Watch Hill Comp Sta. W.	
530671	11/17 11/22	1st Dist. Communications	Stations placed out of commission 11/13 W	

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IMPERIAL BEACH RADIO COMPASS STATION

Number.	Date.	From or To—	Subject.	
457114	10/30	Mare Island.	F wds sketch of site and photographs.	W.
			1920	
472303	1;27	Y&D	Fwds photographs showing construction of compass station.W	
464310	3-10	12th Dist	Outline of radio work Imperial Beach Radio Compass Sta; W	604
499113	5/27 6/3	San Diego Mare Island-	Fwds lease of new direction finder site at Imperial Beach. Fwd Sol 6-17 RB 6/25 W fwd Comdt M.I. 7/2 RB 8/16 W fwd Sol 8/20	W
518376	9/11	Mare Island	Recommendations for barracks etc. W. Mare Island- Fwds copy of right of way for pipe line thru property of Spreckels Security Co. 10/2 W. Fwd Dept 10-16	
		Sol- Fwds copy of licence for water pipe line right of way. 10/23 W.		
519399	9-21	Mare Is	Quarterly inspection report; W	
538103	12/29	Mare Is	Quarterly inspection report. W.	

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IMPERIAL BEACH RADIO COMPASS STATION 1921

Number.	Date.	From or To—	Subject.
555167	3/29	MI	Quarterly inspection report. W.
568344	6/1	MI	Quarterly inspection report. W.
573623	7-8	To Y&D	Reqst motor cycle for station Imperial Beach W Y&D-Copy action to MI 9/27 W
582929	8/19	MI	Quarterly inspection report. W.
597599	11/22	MI	Quarterly inspection report. W.
		1922	
624895	5/19	3d Dist.	Inspection report. W.
647109	10/18	M.I.	Quarterly inspection report W

RADIO COMPASS STATION BIRD ISLAND 1921

Number.	Date.	From or To—	Subject.
592039	10/17	Mare Isl.	Quarterly inspection report W.
		1922	
605010	1/12	12th Dist.	Quarterly inspection report. W.
642613	9/14 9/14	12th Dist. Pacf. Fleet	Will place Bird Island compass station out of commission due to shortage of personnel. W.
643725	10/2	PCCS Copy	Bird Island decommissioned. W.
646150	10/13	Mare Isl.	Report decommissioning Bird Island compass station. W. Gives inform 10/28 To Operns.

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Number.	Date.	From or To—	Subject.	

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RADIO COMPASS STATION BIRD ISLAND

Number.	Date.	From or To—	Subject.	
457356	11/13	To Secty	Reqst extension of orders for working party estbl station BIRD ISLAND CALIFORNIA. Reqst telegraphic action be taken. W To Mare Island- copy- Request 30 days extension of orders for working party now at Bird Island erecting compass station. W. 11/11	
		1920		
472310	1;27	Y&D	Bird Island compass station-progress report.	W
475235	2/2 2/10	MI Y&D	Progress report for Bird Island comp sta.	W.
478451	2/16 2/27	MI Y&D	Semi-monthly report fwd Y&D 3/1	W
464310	3-10	12th Dist	Outline of radio work Bird Is Compass Sta;	W 604
488648	4/20	Y&D	Work authorized at station has been completed.	W

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DIRECTION FINDER BIRD ISLAND

Number.	Date.	From or To—	Subject.	
523520	10/8	Mare Island	Quarterly inspection report / W. Mare Island- 10/30 W. Description and vendors, and the use of an open safety plug on vessels. 11/1 W	
511602	10-20	12th Dist	Fwds request of Bird Is Comp Sta for Ford car; W	919-1
530597	11/16	Mare Island	Quarterly inspection report. W.	
530307	11/19	War Dept	Authorizes improvements and constrn at Bird Island Comp sta. W. To MI via Yds & Docks ~~authd~~ 11-29	
532198	12/1	Y&D	Copy of endorsement to Mare Island stating constrn of addtl buildings on Army reservation authorized. W.	
546489	2/14	S&A	Copy of shipt order covering motor cycle with side car from Mare Isl. to Bird Isl. Comp Sta. W.	
556547	4/4	MI	Quarterly inspection report. W.	
568346	6/1	MI	Quarterly inspection report. W	

[OVER.]

Number.	Date.	From or To—	Subject.	
647253	10/22	1st Dist	Copy compass station placed out of commission 10/25 W	
651922	12/1	Y&D	Copy of endorsement to department rel to dismantling of CHATHAM station W	

Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS BHATHAM RADIO COMP STA. 1920

Number.	Date.	From or To—	Subject.	
535167	12/15	Boston	Quarterly inspection report. W.	
		1921		
550740	3-12	To S&A	Reqst shipmt of cable from NSD to Chatham W 6559 RB 4/11 W.	
554535	3/22	Boston (T)	Request action relative to improvements Chatham Station. A.	C
583668	8/1	Boston	Quarterly inspection report. W. To Boston Rel comment 9/17 Boston 9/23- Fwds various radio inspection reports. W	
		1922		
622584	5/8	Bston	Quarterly inspection report, Chatham sta. W.	
625905	5/29	Y&D	Copy of action to Boston stating award should be made for instln of heating system, storm sash. W.	

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Number.	Date.	From or To—	Subject.	
628356	6/15	Y&D	Copy of indorsement to S&A recommending award be made to W.R.Schright covg Storm doors W	
639981	8/31	Dept	Chatham radio compass and traffic stations- will be closed and abandoned. W. fwds Dept 9/12 Dept- Recommends station be closed.9/16 W.	
641753	?	Chatham	Report on test with plane. W.	
643724	10/7	To Boston	Radio compass station Chatham ask disposition made of building and when landcan be vacated and the lease terminated W 919-23	
646595	10/23	Boston T	Request auth to place Chatham Radio Sta out of commission W	

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[OVER.]

CHATHAM RADIO COMPASS STATION.

Number.	Date.	From or To—	Subject.	
457434	11-7	Boston	Fwds sketch with photos and estimates for making permanent installation.	W
6	To Cdt Boston- concurs recs made in Cdts letter of 2/14- auth trans of compass coils at Prices Neck to Fox Hill Is. 2/19		To Cdt Boston 12/11	
SEE OVER			Boston - Request addtl information. 12/19	
			Boston 12/31	
	Boston-Semi-monthly progress report. 2/14		Boston- Request action (T) 1/9	
	Boston 3/11		Boston 2/4	
458369	11/18	To Secty	Reqst for authority for establishment of, radio compass station Chatham Mass. W	
			Dept- Authorizes establishment of sta. 12/3	
462476	12/11	To Y&D	Establishment of radio compass station Chatham. Allotment of 1950.00 W	
465784	12-29	To C&R	Radio compass stationFox Hill Island- reqts assignment of wherry.and Boston yard be auth to issue. W	
466836	1-6	To Comdt Boston	Compass station Chathem, Control lines from. W	
			Bost. Chathem recommends laying of cable for distant control, be deferred until Spring. 1/15	
478589	2/26	Boston	Quarterly inspection report	W

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Number.	Date.	From or To—	Subject.	
457436 4	FROM OVER		Bost- Progress report 4/13 W. Boston P 4/24 W. To Boston- Have rqsted Coast & Geod.Surv.To establish geographical location of comp house.4/28	
491938	5/4	Bost	Quarterly inspection report	W
500993	6/18	Bost	Report on calibration of Chatham Comp Sta. W.	
501292	6-25	To Operations	Reqst destroyer be assigned to 1st Dist for calibrating radio compass stations at Chatham Mass Appledore Is Me and Watch Hill R.I. W	
511302	8/12,	Boston	Recommends one transmitter relay be assigned.W To Boston auth instal 8/17	
512332	8/14	Boston	Quarterly inspection report. W.	

[OVER.]

DIRECTION FINDERS CAPE ARAGO RADIO COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
636363	7/28	Pug.Sd.p	Quarterly inspection report.W	
652936	12/9	CO YARBOROUGH	Copy Rqsts authority to join squadron upon completion of calibration Empire Radio Compass Stations W	
654865	12/20	Pug Snd	Fwds radio compass calibration curves W	

Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS: CAPE ARAGO RADIO COMPASS STATION. -1920-

Number.	Date.	From or To—	Subject.	
481605	3/8	P Snd	Reqst authority to purchase two dozen storage batteries for Cape Arago radio compass station - W To Comdt Puget Sd- authorizes 3/16	
482433	3/20	To S&A	Reqst shipment from Mare Island to Puget Sd radio storage battery. W	
485900	4/6	Communications	Cape Arago-Comp.Sta. changed to Naval radio comp station, Empire Oregon.	W.
495284	5/22	Pug.Sd. Copy	Quarters at Empire Compass station completely destroyed by fire. 5/21. W P.C.C/S. Copy- 5/22. W. Pug.Sd.- Request approval of construction of 5 man barracks- subm estimate. 6/7 W. Communications 6/15 W fwd Com 6-17 Pug.Sd. Request allotment of $1,000 for water shed pumping outfit. 8/31 WK Y&D- Request action taken. 9/8 W. To Y&D 10/4 Y&D- Copy of action to Pug.Sd. 10/7 W.	
521536	10/7	Y&D	Request addtl allotment of $1,278 be made covering double barracks at station. W. To Y&D 10/13	

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DIRECTION FINDERS: CAPE ARAGO RADIO COMPASS STATION

Number.	Date.	From or To—	Subject.
528827	11-12	To Comdt Coast Guard	REQST place communication lines at Empire station in good condition. W copy Puget Sd Coast Guard 5/10 W. Coast Guard 5/10 W. fwd S&A 5-16
		1921	
540028	1/7	Pug Sd.	Subm list of fur iture and estimated cost of properly furnished quarters. W. fwd Y&D 1-24 Y&D--Copy of action to Pug Sd. 1/29 W
556587	4/5	Pug.Sd.	Radio publications listed -Rqst be fwded to Empire Station. W. To Pug Snd Fwds ublication cc 13 ist-O-I-C Radio compass Station 4/16
567879	5/27	Mare Isl.	Have requested supply officer to prepare requisitions cov removal of damaged water tank and replacing new one. W R
575463	7;13	Pug Sd	Reqt allotment covering replacement of water pressure tank at station. W To Puget Sd via Y&D 7/25 Y&D- Copy action to Pug Sd.- 7/29 W Pug.Sd.- Recommends water tanks. 9/7 W To Pug Snd- Reqst monthly report 10/13
		1922	
615610	3/23	Pug.Sd.	Quarterly inspection report. W.

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DIRECTION FINDERS JUPITER COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
630768	6/29	Key West (T)	Station will be placed in commission 7/2	W
629463	FROM CARD 2		7th Dist. 7/1- (T) Asks if shall hold Orion. W. To Key West (T) Gives instrns 7/1	

Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS: RADIO COMPASS STATION JUPITER INLET FLA.

Number.	Date.	From or To—	Subject.	
522873	10/14	To S&A	Reqst shipment of condenser from Phila to Jupiter Inlet Fla. ; RB 10-27;W Phila; 10-28; W Canc of 11/16	
523910	10-20	To S&A	Reqst shipmt of storage battery from Norf to Jupiter RB 12/16 L	L
524325	10/14	Phila	Confirms telephone conversation in conn with shipt of compensating condenser. W.	
530242	11/17	Key West	Subm report of Gunner J. O. Cooper cov inspection of station. W.	
530404	11-24	To S&A	Reqst shipmt of condenser from Washington to Jupiter W RB 12/16 W	
541932	1/19	Key West	Quarterly inspection report. W.	
562482	4/28 5/6	Key West Y&D	Request authority to issue travel orders to W. McClintock to Jupiter and return. W. fwd Sec 5-12	
574484	7;8	KeyWest	Fwds report on calibration of Jupiter Inlet Station with prints. W	

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DIRECTION FINDERS RADIO COMPASS STATION JUPITER INLET FLA.

Number.	Date.	From or To—	Subject.
587985	9/22	Key West	Quarterly inspection report. W.
		1922	
602785	12/27	Key West	Quarterly inspection report. W.
620574	4/25	Communications	Jupiter Station will have to be closed unless same is accurately calibrated. W. To Key West Reqst Inform rel calibration of Station 5/11 7th Dist- Recommends station be closed until calibrated. 5/17 W To Dir Comm- decommissioned 6/6 To Operns-- rel radio telegraph transmitter 6/7 Dept 6/10 W Dept 6/10 Copy of action to 5th Dist W To CO-- Gives instrs cc Key West 6/19 To Key West- Gives Action taken 6/19 CO ORIOR 6/21 T. No instructions received W To CO (T) Gives Inform 6/21 Key West- Report on calibration 7/19 W To Comdt Key West- Comments 10/13 W
629463	6/22	7th Dist T	Request auth travel & subsistance of C.G. Bailey for calibration of station W To Asst Dept- Reqsts for travel orders for C G Bailey 6/27 W 7th Dist 6/28 Request reply by telegram W 7th Dist- Asks if ORION be directed to proceed or will ordered be issued to Bailey. (T) W.

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[OVER.]

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1.

DIRECTION FINDERS: RADIO COMPASS STATION: JUPITER INLET (FLA).

Number.	Date.	From or To—	Subject.	
460587	12/5	To Comdt Key West	Reqst take up with owners in re to purchase to plot of ground for station. W Key West 12/26	
464137	10/11 10/14	3d Dist Dept.	Recommendations covering erection of radio compass station, at Jupiter, Fla. W.	
469999	1-19	To D.H. Shallcross (T)	Try locate in vicinity JUPITER inlet if possible. If Impracticable because of prices asked investigate Cape Canaveral and Miami as possible location. W	
472356	1/29	To S&A	Reqst shipmt from Washington to Jupiter Inlet radio appr. W RB 3/2	
472357	1/29	To S&A	REqst shipment from Phila to Jupiter Inlet W RB 3/2	
447118	2/7	Key West	Rqst addtl allotment of $400 labor and $600 material, cov comp house for Jupiter.	919-1
447118	2/6	Key West	Rqst authority to issue transfer orders to F.C. Brown to Jupiter Fla, in conn with comp Station.	919-1

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1920

JUPITER INLET FLA.

Number.	Date.	From or To—	Subject.	
447118	2/6	Key West	Rqst authority to issue transfer order to Gunner A. C. Bullock, in conn with comp Sta. Jupiter.	919-1
483954	3/25	7th Dist (T)	Scale and pointer for radio compass missing: request expedite shipt. W. To Phila (T) 3 29 Philad (T) Request action 3/30 W. To Key West (T) 4/1 Key West- (T)- Request prints 4/9 W. To Phila (T) auth mfg 4/12 Key West- (T)- Print not received. 4/21 W. To K. West (T) 4-23 Key West- Ask if scale and pointer will be shipt. 5/26 W. To Comdt Phila. asks advise rel receipt of material. 6-2 Phila 6/8 W.	
514425	9/1	To S&A	Reqst shipmt of radio appr from Washington to Juliter W	
514864	9/2	To Commun	Geogrphical position of station. W	
515825	9-9	To Key West (T)	Bur representative will arrive Jupiter 12th. W	
519110	9/22	Key West To Key West shipmt of cond.auth.thd 10-16 5th Dist- (T) Battery connections not recd. 11/10 W. Key West 11/15 W.	Fwds report from Gunner J. M. Cooper for relocation of compass station. W. To -- Gives instrns 9-29 Key West- Request travel order be issued to Gunner J. V. Cooper to complete instln and inspection. 10/5 W.	

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DIRECTION FINDERS POINT LOMA RADIO COMPASS STA, 1921

Number.	Date.	From or To—	Subject.
568350	6/1	MI	Quarterly inspection report. W.
573268	7.5	Y&D	Have authorized M IS to instal 6 inch instead of 4 inch cast iron sewer pipe.W
582928	8/18	Mare Isl.	Point Loma quarterly inspection report. W.
597558	11/21	MI	Quarterly inspection report. W.
654850	12/26	11th District	Copy. Rqsts authy to close Point Loma Compass station due to lack of personnel W

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS: POINT LOMA RADIO COMPASS STATION.

1920

Number.	Date.	From or To—	Subject.	
465412	12/18	Mare Island	Request authority to commence construction of radio Compass Station, Point Loma. W. To(T)-Awaiting War Dept's appvl to use site desired 12-29	
469476	1/9	Mare Island	Subm estimates covering establishment of radio compass station at Point Loma. M IS-fwds photostat showing location-1;16	W.
468310	1-13	To M Is	Radio compass station Point Loma. Establishment of. W copy to D.N.C. To Y&D- 1-13. copy to D.N.C. and M Is. Mare Island - subm estimate 1/29 To MI- allotment of 253.33 2/6	
469993	1/17	Mare Island Copy	Ask if authority for construction of radio comp sta includes commencing work on site referred to To(T)-New Location appvd etc. 1-20 M IS-T-reqt obtain auth from War Dept-1-24 Mare Island - Copy - Request expedite authority; 2/7	W.
475882	2/2 2/13	Mare Island Y&D	Suvm report on establishment of radio comp sta at Point Loma. fwd Y&D 2/16	W.

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Number.	Date.	From or To—	Subject.	
478108	2/25	Mare Island (T)	CO point Loma comp sta. rqst dormitory be erected within area of station; request dormitory be erected at Imperial Beach.	W
	Mare Island- (T) - Request authority to proceed with constrn. 5/10 W.		To M.I. (T) 3/1	
	To M.I. (T) auth granted provided lease can be obtained as out lined 5/11		Mare Island- Request authority to enter into lease with owners at Imperial Beach Compass Site- fwds correspondence. 4/21 W.	
			To M.I (T) asks fwd lease 4-29	
478555	2/16	Mare Island	Semi-monthly report on fwding print showing new location.	W
	2/27	Y&D	fwd Y&D 3/1	
			Y&D - 3/10	
			fwd Y&D 3/13	
519783	9/23	Mare Island	Quarterly inspection report W.	
534380	12/11	Y&D	Copy of letter to Mare Island requesting plans and specifications for operators quarters be fwded. W.	
538090	12/29	Mare Island	Quarterly inspection report. W.	
554610	3/26	MI	Quarterly inspection report. W.	
560788	4;28	Y&D	Construction of ~~xxxxx~~ double quarters completedwith saving from allotment.W	

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[OVER.]

DIRECTION FINDERS ABALONE POINT?RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
588102	9/23	MI	abandoned compass house at Abalon damaged by vandals- doubtful if same can be sold.	W.

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Number.	Date.	From or To—	Subject.	

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Desc-Index:

ABALONE POINT RADIO STATION; 1919

Number.	Date.	From or To—	Subject.	
462741	12-15	To Solicitor	Lease of land for. Reqts authority to lease land from the Santa Catalina Island Co for $10.00 per annum. W Solicitor- Fwds form of lease. 1/6 Solicitor - Fwds form of lease. 1/8	
467808	1-10	To M Is	Lease of land for.Fwds form of lease. W	
			1920	
472311	1;27	Y&D	Avalon radio compass station-progress report.W	
475234	2/2 2/10	MI Y&D	Progress report for Santa Catalina.	W.
464310	3-10	12th Dist	Outline of radio work Abalone Sta; W	604
510370	8;2	M IS	Reports ~~xxxxx~~ official opening of commercial radio telephone service between Cataline Island and mainland.W	
510370	7;29	American T&T Co	Cataline Island-asks status of communication.L To M.I. recs. 8/10 copy PCCS DNC To Amer, TT Co 8/10 American T/T Copn. 8/13 W. Mare Island- Comments on. 9/20 W.	

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DIRECTION FINDERS ABALONE POINT RADIO STATION

Number.	Date.	From or To—	Subject.
52U924	9/23 9/29	Mare Island 12th Dist.	Subm infromation rel to proposed new site for compass station near Avalon. W.
545432	2/7	PCCS Copy	Storms have undermined hole with power transformer- mast liable to fall any minute. W.
549933	5/1	11thDist.	Comments in detail rel to relocation of Avalon radio Comp Sta. W. To MI via 11 Dist Relocation of avalon radio compass Station held in abeyance 3/26
5 556833	4/12	To Amer Tel & Tel Co	re canges in location of radio compass station and service for Aircraft Radio Lab Anacostia W American T/T/Co. 4/18 W To Amer TT Co 5-14 American T/T/Corpn- Ask if Bur desires Pacf.T/T/Co. to take over from Navy telegraph business between Catalina Island and Mainland. 5/11 W.
		1921	
570660	6/23	To S&A	R qst shipmt of material from Washington to Ft Scrivens Tybee Island W 7912 To S&A Req st shipmt of mat from Washn to Tybee Island 7/2

See 919-73

570659 see 919-73

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[OVER.]

DIRECTION FINDERS: POINT CONCEPTION RADIO COMPASS STATION.

Number.	Date.	From or To—	Subject.	
462742	12-22	To Mare Island	Point Conception. location of. fwds photostat of Point Conception Lighthouse Reservation. Reqts comment and data. W Mare Island- Fwds photostat of Point Conception light house reservation, with estimates. 1/3 To - Fwds copy of Y&D letter.1-16 o Y&D- copy to D.N.O. 1-17	
		Y&D - Copy of action to Mare Island 1/20. M IS-reqt alltmt of $1250.1:27 To MI allotment made 2/6		
465460	12/18	Mare Island	Request information rel to establishment of radio compass Station, at Point Conception.W.	
475739	3/13	Fwded Y&D (see 919-58)	Reqst info if funds alloted to date will cover construction of station, see 919-58. Y&D - reqst additional allotment be authorized - 3/18 fwd Y&D 3/20	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS PENSACOLA

1921

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Number.	Date.	From or To—	Subject.	
599403	12/10	To Pensacola	Reqst complete report be submitted re the Compass Station authd for naval air Station cola covering listed points W Pensacola- Comp Sta completed 8/10 W12/17 To Dir of Communications Gives Detld inform 12/27	Radio pensa-
60				
		1922		
606354	1/19	New Orln.	Radio cmpass coil constance - fwds curve and data sheet showing. W.	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS: PENSACOLA 1920

Number.	Date.	From or To—	Subject.	
473504	2/2	To S&A	Reqst shipt from Wash to Pensacola radio compass. W RB 3/1	
482694	3/20 8th Dist- 4/15 W. 8th Dist- Progress report 4/23 W	Pensa. (T)	Instln of radio compass will begin 3/20; r rqst addtl personnel for. To Pensacola- auth expdn $250. 3/22 To Pensa (T) 3/26 8th Dist- 4/12 W.	W
475000	3-24	Pensacola (T)	Request action on special allotment $250; 8th Dist- No progress. 3/31. W. 8th Dist 4/8 W.	602
486727	4/10 Pensacola - 5/4 - W	New Orln. (T) 781	Request vessel for employment to furnish data re compass station. To COAST & GEODETIC SURVEY- Reqst direct BACHE and RANGER furnish latitude and longitude of station near Camp Saufley, Sant Rosa Is Fla. 4-12 To N.O. info reqst method etc. 4/12 Coast and Geodetic Survey-CO RANGER instructed to locate Compass station. 4/14 W. Coast & Geodetic Survey & fwds geographic position - 4/30 - W	W
487591	4/10	New Orln.	Subm report covering site for radio compass station at Pensacola.	W.
492218	4/26 5/6	Pensacola Navgn	Progress report on installation of radio compass - W	

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[OVER.]

Number.	Date.	From or To—	Subject.
498750	6/4 6/7	New Orln. Pensacola	Completion of airplane calibration of radio compass station of Pensacola cannot be completed due to rush of work. W.
540743	1-19	To N.Orlns	Reqst subm estimates with recs in conn stations Pensacola W copy Comdt Pensa Air Station and Director Naval Communications New Orln. 1/29 W.
		8th Dist. Fwdsprint showing system of communications with Santa Rosa. Island. 3/18 W	
		To Pensacola via 9 Dist- NO	New Orln- Subm estimates in detail. 2/17 W
		Recomdn apprvd cc Yds & Docks 3/30	To NO Via Y&D 2-26-21
		Pensacola-Copy action to Dept.4/21 W	Y&D-Copy of action to Pensacola. 3/2 W
		Ordn-5/7 Fwds correspondence with prints	Fwd Operations 5-17
			rel to anti aircrft Facty instln.W.
549208	3-3-21	To Pensacola	Fwds vandyke copy of plan radio compass house general arrangement W
564202	5/6 5/14	Pensacola Dept	Anti aircrft facty-rqst action in conn with cancellation of. W fwd Operations 5-17
568901	6/9	Y&D	Copy of letter to Pensacola stating allotment card will be fwded cov saving from allotment in constrn of compass house. KW Y &D- 6/16 W
576716	7;22	Y&D	Reqt addtl allotment covering radio compass instaln at Pensacola.W To Y&D 7/27
578562	8/2	Y&D	Copy of letter to Pensacola authorizing over expenditure in conn with construction of radio compass house. W.

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2

DIRECTION FINDERS POINT REYES, CALIFORNIA COMPASS STATION 1921

Number.	Date.	From or To—	Subject.	
568340	6/2	MI	Quarterly inspection report. W.	
580487	8-16	To Comdt M.Island	Reqst prepare regn covering lease of station at Point Reyes. W	
592108	10/14	Mare Isl.	Quarterly inspection report. W.	
605557	1/13	12th Dist.	Quarterly inspection report. W.	
641966	9/13	M.I.	Request authority to proceed with sinking of well by yard labor W Y&D. Copy action to Mare Isl. 9/22. W. Fwds Yds & Docks 9/23 rB 9/27 W.	

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Number.	Date.	From or To—	Subject.	
643544	9/22	12th Dist	Quarterly inspection report W	
645126	10/11	Y&D	Copy of telegram to Mare Isl. making allotment. W.	

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[OVER.]

919-40

1920

RADIO COMPASS STATION: POINT REYES, CAL.,

Number.	Date.	From or To—	Subject.	
472628	1;28 Y&D 2/7	Y&D	Point Reyes compass station-request allotment be made covering charges for transportation of material.W To Y&D allotment of 35.00 2/6	
472859	1;28	C&R VOID	Copy of shipment order covering Jn-4 and E-1 planes from Quantico to Grt Lakes.DA	
472854	1;29	Y&D	Progress report, Point Reyes station.W	
479318	2/26 Solicitor 5/25 W fwd Sol 5-28 Sol.Fwds form of lease and authority covering. 6/4 W To M.I. fwds lease for execution 6-5 I Mare Island- Fwds lease 7/1 W. fwd Sol 7/12 RB 7/23 W fwd M.I. 7-28 ? -?1 Renewal form of leases. W	M Is M IS-copy of action to Sol 6-27	Reqst allotment of $5000.00 - K Mare Island- Request allotment of $5000 covering construction and furnishing of formitory and radio compass personnel.2/26 W. To Cdt M.Island 3/6 Mare Island- Fwds map of Point Reyes comsass station with recommendations covering price. 3/29W Mare Island.- Fwds letter from owner of site. 5/11 W. To Secty- lease of land- auth reqstd Pt. Reyes 5/20	
464310	3-10	12th Dist	Outline of radio work Point Ryes; W	604
487168	4-15	To M.Island	(T) Rel Pt Reyes- Coast Guard advise bldg available outside reservation for compass operators. Advise action taken. W	919

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N.S.E. Form 134.

RADIO COMPASS STATION POINT REYES

1920

Number.	Date.	From or To—	Subject.	
518378	9/11	Mare Island	Recommendations for barracks, etc. W.	
Mare Is; (T); 10-25; W			To MI via Yds & Docks Cancells 9-29	
To Yds & Docks		10-28	Mare Island- (T) Request authority to proceed with Projects. 10/13 W.	
			Mare Island- (T) Request action. 10/22 W.	
			To MI (T) ask if prac oper pointreyes compass sta suff estab to warrant proceeding with projects 10-23	
			To MI (T) authy given 10-26	
523518	10/9	Mare Island	Quarterly inspection report. W.	
530971	11/18	Mare Island	Quarterly inspection report. W.	
539196	1/8	Y&D	Copy of endorsement to Mare Island authorizing construction of fuel oil tank originally authorized for Point Fermin at Point Reyes Stations. W.	
556544	4/4	MI	Quarterly inspec ion report. W.	
562950	5-12/21	To M.I. via Y&D	Allotment of 3000 authorized for Point Reyes and Point Montara, for furniture W	
564903	5/12	MI	Rqst addtl allotment of $600 for maintenance of.W	
			To M.Island 6-3	
			MI- 6/10 W	
			To M.Island 6/20	

919-41 MONTARA
POINT ~~MONTEREY~~

1921

Number.	Date.	From or To—	Subject.	
582728	9/2	Fwd Yds & Docks	Rel Assignment of Navy trucks for Radio compass Station W RB 9/9 W.	
592109	10/14	Mare Isl.	Quarterly inspection report. W.	
		1922		
604878	1/10	12th Dist.	Quarterly inspection report. W.	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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1920

RADIO COMPASS STATIONS: PT. MONTARA

Number.	Date.	From or To—	Subject.
472657	1;28	Y&D	Montara compass station progress report with photographs.
481842	3-19	To Comdt Chasn (T)	Authority granted Dept to construct bldg for personnel. Advise action taken rel apprvl site. W. Chasn- Fwds print. W. 3/29
520809	9/28	Mare Island	Instln of 1/2 KW transmitter- report on necessity for/ W.
523519	10/9	Mare Island	Quarterly inspection report. W.
528169	10/27 10/29	PCCS 12th Dist.	Quarterly inspection report. W.
530761	11/17	Mare Island	Quarterly inspection report. W
542532	1/19	Mare Island	Fwds report on constance and characteristics of loop. W.

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N.S.E. Form 134.

DIRECTION FINDERS, STATIONS PT MONTARA 1920

Number.	Date.	From or To—	Subject.	
551290	3/7	MI	Quarterly inspection report. W.	
568348	6/1	MI	Quarterly inspection report. W.	
573622	7-8	To Y&D	Reqst motor truck for Point Montara station W	
582728	8/19	Mare Isl.	Recommends assignment of truck. W.	

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DIRECTION FINDERS 1921

Number.	Date.	From or To—	Subject.
538056	1/3	Y&D	Request authority to expend entire allotment covering constrn of buildings- furniture to be covered by separate alloements later. W. To Y&D 1-6
546423	2/5 2/14	Pug.Sd. Communications	Gives new address of station. W. Fwd Communicatio s 2-15
588169	10/5	To S&A 8926	Reqst shipmt of condensers from Washn to SO Pug Snd W RB 11/12 W
602918	12/30	1922 Pug.Sd.	Quarterly inspection report. W. To 13 Dist-- Gives inform rel report 1/24
615613	3/23	Pug.Sd.	Quarterly inspection report. W
635802	7/28	Pug.Sd.	Quarterly inspection report. W.

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
644628	10/3	Pug. Sd.	Quarterly inspection report. W.	
650316	11/21	Yarboro	Reports Cattle Point - fwds calibration	W
651977	12/2	Ordnance	Copy letter to P.S. rel to cost of lading and transportation of truck furnished by Army W	

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[OVER.]

DIRECTION FINDERS EAST CLALLAM- NEW DUNGANESS Washn. 1922

Number.	Date.	From or To—	Subject.
603270	1/5	Pug. Sd. (T)	Fairbanks Morse pump at New Dunganess broken beyond repair- request auth to issued pump removed from Westport Sta. To Pug Snd (T) Approved 1/6/22
615605	3/23	Pug. Sd.	Quarterly inspection report. W.
635800	7/28	Pug. Sd.	Quarterly inspection report. W
637909	8/11	Pug. Sd.	Fwds calibration chart for New Dunganess compass station. W.
639981	9/26	To Boston	Chatham-Reqsts neccy action to close and abandon Radio Compass Station be taken cc Yds & Docks- Dir commns W

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N. Eng. 134

DIRECTION FINDERS EAST CLALLAM NEW DUNGAnESS 1922

Number.	Date.	From or To—	Subject.	
645995	9/16	SS H.T.HARPER	States bearings recd from New Dunganess station are absolutely correct. W.	
647562	10/25	Pug.Sd.	Quarterly inpection report . W.	
650558	11/22	CO YARBORO	Compass calibration satisfactorily completed W	

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[OVER.]

919-43 EAST CLALLAM

DIRECTION FINDERS: NEW DUNGENESS, WASHN., 1920 1.

Number.	Date.	From or To—	Subject.	
483219	3-13 3/23	Puget Sd Y&D	Easement for water line at East Clallam Station, fwds copy of, also bill for services of L.W. Holman, have no funds to make payment WK To Comdt Puget Sd- auth payment of $7.50 3/31 Fwd Sol 3/31 RB 4/30 with draft of agreement. W. fwded Y&D 5-1 Sol. Fwds copy of agreement covering water lines. 6/1 WK	
SE 47	4-29	To Pug Sd	Legal services rendered in connection with an easement for pipe line and water rights at Radio Compass Station, East Clalam, Slip Point, Wash. $7.50. W	
498505	6/8	Y&D	Recommends Pug. Sd. prepare requisition cov agreement covering water lines for compass station. W. Fwd Sol, 6-16	
513383	8/17 8/24	Pug. Sd. Y&D	Drilling well for Dungeness and Smith Island- request authorization and allotment. W fwd Y&D 9/2	
512933	8-17	Puget Sd	Radio compass stations reports on reqst allotment of $1700 for drilling well at New Dungeness. W To Puget Sd via Y&D modification of project 919-1	
515015	9-1	Puget Sd	Copy plan proposed for married men's quarters not satisfactory W	919-49

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N.S.E. Form 134.

DIRECTION FINDERS. NEW DUNGENESE? EAST CLALLAM.

Number.	Date.	From or To—	Subject.	
515499	9/3	Y&D	"ater systems- "ew Dunganese and Smith Island. W.	
528476	11/5	Pug.Sd.	Recommendations covering quarters for. To Comdt Puget Sd via Y&D 11-30 Y&D- Copy of action to Pug Sd. 12/2 W	W.
545338	12/22 2/7	Pug.Sd Communications	And Smith Isl. and Cattle Point stations- ask if suitable batteries, etc. should be installed for continuous operations. fwd Comm 2-15	W.
	1921			
572987	6/28	Pug Sound	Quarterly inspection report W	
574696	7:5	Pug Sd	Reqt pamphlet describing audion be fwded to Station.W To Comdt 13th Dist 7/22 copy DCS Puget Sd.	
581145	8/11	Pug. Sd	In conn with establishing communication line between port Angeles and New Dungeness compass stations. W. To Pug Snd Anthd 9/9	

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[OVER.]

DIRECTION FINDERS RADIO COMPASS STATION: SLIP POINT

Number.	Date.	From or To—	Subject.
511513	8-16	To Secty of Agriculture	Reqst permission to use line circuit between Tatoosh and Port Angeles to connect in SLIP POINT etc., in conn w establishment of station W
	1921		Dept of Agriculture- Permission granted.8/24 W To Puget Sd. allot of $100 9/1 copy Com
542374	1/24	Pug.Sd. (T)	Recommends new quarters be built at Dungeness instead of Slip Point. W. To M.I.Tel 1-25 To Puget Sd Tel 1-25 To Secty travel orders EE D. 1-25 M1- (T) Nspr Dunklee available for duty at Slip Point after 2/15 1/26 W Pug.Sd.- (T) Request authority to delay further calibration of compass stations until after receipt of new receivers. 1/26 W To Puget Sd Tel 1-27 Pug.Sd.- (T) Excessive deviations at compass station in strait Juan de Fuca. W. To Y&D- allotment of 400 made 1-29 copy P S and Commun. W
543			
573083	6/29	Pug Sound	Quarterly inspection report W
580374	8/5	13th Dist.	Compass station abandoned. W. To Commun. 8/16
585993	9/12	Pug Sd.	Recommendation for disposition of buildings etc. W

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N.S.E. Form 134.

DIRECTION FINDERS RADIO COMPASS STATION SLIP POINT 1921

Number.	Date.	From or To—	Subject.	
586313	9/22	To Hon Secy of Commerce	Reqst inform as to whether desire to take over buildings listed cc Pug Snd W Dept of Commerce- 9/27 W. Dept of Commerce- Will accept transfer of buildings without cost. 10/19 W. To- Gives Action cc Pug Snd 10/28	

919-45

DIRECTION FINDERS PORT STEVENS RADIO COMP STATION 1922 2

Number.	Date.	From or To—	Subject.	
652101	12/3	YARBORO	Copy calibration successful completed W	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

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DIRECTION FINDERS) PORT STEVENS RADIO CORPN STATION 1922

Number.	Date.	From or To—	Subject.
617572	4/11	To Pug Snd	Port Stevens and Ocean Park. Question of installing transmitter will be held in abeyance until such time as the pending Naval Legislation has been settled W
		1922	
635803	7/28	Pug. Sd.	Quarterly inspection report. W
635810	8/7	To Pug Snd (T)	Approved W ????
642526	9/18	Pug. Sd.	Request auth to assign battery removed from Port Angeles to Port Stevens. W. To Pug Snd- Reqsts inform re batteries 9/29 Pug.Sd./ Gives reasons for reassignment of batteries. 10/10 W. To Pug Snd- redomdns appvd 10/28
649200	11/6	P.S.	Quarterly inspection report W

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DIRECTION FINDERS -PORT STEVENS RADIO COMP1920 STATION

Number.	Date.	From or To—	Subject.	
478622	2/21 2/28	Pug.Sd. Y&D	Request Cdr. at Port Stevens be instructed to vacate 5 room barracks for use of personnel at Compass Station To Secty War- reqst action- 4-12 War Dept 4/10 W. War Dept 4/19 W. fwd Y&D 4/24	W
536384	12/23	War Dept	Fwds copy of remarks to Chief of Coast Artillery rel to proposed establishment of Naval control station at Port Stevens. fwd Puget Sd 12/30 copy Com DCS 13th Dist PCCS RB 2-3	W.
		1921		
570569	6/14	Pug.Sd.	Status of communication line to North Head- fwds sketches. W.	
587419	9/26	13th Dist. Copy	Fort Stevens radio compass station commissioned 9/25 W. 13th Dist- 12/9- report on failure of land wire connections. W. Fwd Dir of Communications 1/5 RB 1/10 W.	
		1922		
615001	3/23	Pug.Sd.	Quarterly inspection report W.	

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RADIO COMPASS STATIONS: 1920

Number.	Date.	From or To—	Subject.	
472629	1;28	Y&D	Point Hueneme radio compass station progress report. W	
475311	2/2 2/10	MI Y&D	Progress report, Point Hueneme Compass station.	W.
478556	2/16 2/27	MI Y&D	Semi-monthly report on. fwd Y&D 3/1	W
493845	5/14	Y&D	Copy of letter to Mare Island directing allotment covering cost of furniture, stoves, etc.	W.
519786	9/23	Mare Island	Quarterly inspection report. W.	
530972	11/17	Mare Island	Report on damage to station and apparatus during heavy storm. W.	
533115	11/30	Mare Island	Quarterly inspection report. W.	
568352	6/1	MI	Quarterly inspection report. W:	

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RADIO COMPASS STATIONS

1921

Number.	Date.	From or To—	Subject.	
555166	3/29	MI	Quarterly inspection report. W. To MI Gives nstrns 4/6 M IS-4;21-W.	
581122	8/11	MI	Quarterly inspection report. W	
584845	8/29	MI	Telephone service for compass station. W. Fwd Dir communications 9/20 RB 9/27 W Fwd 11 Dist 10/1	
597557	11/21	MI	Quarterly inspection report. W.	
		1922		
647733	10/17	Mare Isl.	Remote control wave changing switch- fwds plans. W. To MI- Instln appvd 11/17	

919-47

DIRECTION FINDERS: POINT SUR, WASHINGTON 1921 1.

Number.	Date.	From or To—	Subject.
511021	1-25	12th Dist	Fwds correspondence with plot plan W. Fwd Commun 2/2 RB 2-5 concurs in recs made W
SEE 919-1 for previous correspondence)			

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS POINT ARGUELLA 1922

Number.	Date.	From or To—	Subject.	
598541		fwded from card 1	To MI Closing of as radio station but- continuing as Radio compass station Bunds and cc Dir comms - 11 Dist- Pacific Coast Com supt Yds & Docks 1/11 W To MI Regst Inform as to name plate data 1/14/22. To MI Via Yds & Docks - Gives review of status of work cc Dir Comm- Pacific Coast Comm- Comst 9 Dist 1/17 Y&D 1/19 W. MI- Gives name plate data . 1/25 W. MI- Subm data in onn with transmitter stg battery and charging unit 1/26 W. To MI- Gives Instrns cc (9' Dist 2/11	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS POINT ARGUELLA 1920

Number.	Date.	From or To—	Subject.	
478452	2/16 2/27	Mare Island Y&D	Subm semi-monthly report fwd Y&D 3/1	W
519612	9/22	Mare Island	Quarterly inspection report. W.	
524090	10/19	Frisco Copy.	Station ready for commissioning 12/1 W.	
532876	11/29	Mare Island	Quarterly inspection report. W.	
535265	12/16	Frisco C py	Compass station placed in full commission 12/15. Hillcrest spark station being dismantled. W.	
568345	6/1	MI	Quarterly inspection report. W.	
568334	6/2	MI	Quarterly inspection report. W.	

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DIRECTION FINDERS POINT ARGUELLA 1921

Number.	Date.	From or To—	Subject.	
580824	8/10	Mare Isl.	Quarterly inspection report. W.	
589297	9/29 10/7	CO VESTAL Communications	Subm report on use of radio compass stations at Point Arguello W.	
598541	11/4 11/23	MI 11th Dist.	Closing of station as traffic station but continuing as compass station- report on status of annual projects. W. To MI-- Reqst comments co Dir Commns- 11 Dist- Pacific Coast Comm Supt 12/20 MI- Subm recommendations. 12/30 W	
600992	12/9	MI	Quarterly inspection report. W.	

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[OVER.]

RADIO COMPASS STATION WESTPORT GRAYS HARBOR WASHN. c 1921

Number.	Date.	From or To—	Subject.
565350	5/21	Pug. Sd. Copy	Compass house completely destroyed by fire; recommends immediate rebuilding. W.
			To Puget Sd 5-26
			Pug. Sd. Subm estimates. 6/17 W
			Fwd Commun 7/19 RB 9/7 W
			PCCS- Copy action to Communications. 7/28 W.
			Communications 8/4 W
			~~Va. Beach 9/6 W.~~
			Fwd Dept cc Comm- Pug Snd 9/17 RB 9/22W
			To Pug Snd Recomdns disappvd cc Communication 9/28
			Pug. Sd. Compass station dismantled. 1/4 W
588197	10/1	Hoquiam Commercian Club	Copy- Urges continuance of Westport radio station. W.
599306	12/2 12/7	Dept of Commerce Communications	Request buildings at Westport be transferred to custody of Dept. of Commerce. W
			To Secy of Commerce (Sec Signal) Funds will be available to provide for the maintenance of buildings cc Yds & Docks 12/22 W
			To Pug Sd- Fwds Navy's letter 1/27 W

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Number.	Date.	From or To—	Subject.	

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RADIO COMPASS STATIONS; WESTPORT; GRAYS HARBOR WASHINGTON;

Number.	Date.	From or To—	Subject.
466586	1-5	To Pug Sd	Only one copy of report received. Should receive three. W Pug Sd-fwds report covering investigation of radio compass and transmitting station at Grays Harbor-1;21
467809	1-12	To Pug Sd Pug.Sd.-Returns prints of lighthouse reservation, Westport, Washn. Marking information desired by lighthouse service. 2/21 Communications-Fwds letter from Dept. of Commerce, fwding prints and granting permission. 3/5 Pug Sd-asks date of delivery of apparatus-8;3-W To Puget Sd. advise rel shipt 8/20	Establishment of compass station. Fwds copy of letter to Y&D. 1-12 W copy to D.N.C. PCRMO. To Y&D-Lists buildings desired and allotments covering various work required. 1-12 copy To PCRMO -D.N.C.-Pug Sd: Pug Sd-T-request detailed drawings of 2 kw Lowenstein gasoline driven radio transmitter for Westport radio compass station-1;27 Comm-fwds prints-1;28 To Cdt Puget Sound 1/31 Pug.Sd. 2/3
472284	1/30	To Comdt Puget Sound	Fwds instructions for installn of 2 kw [illegible] W Lowenstein transmitter W
474516	2/10	To S&A	Reqst shipment from M.I. to Puget Sound radio masts. W RB 4/12 W. Mare Island 4/24 W To M.I. fwds bprint 5/18 To Comdt Puget Sd vwds print 5/18
480336	3/3	Dept of Commerce	Subm plans in conn with erection of radio transmitting stations and radio compass station on Light house reservation, Westport, Gray's Harbor, Washington. Grants permission to occupy certain portions of state reservation. W To Secty Comm- returns prints for file 3/9 To Cdt Puget Sd 3/10

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N.S.E. Form 134.

RADIO COMPASS STATIONS WESTPORT GRAYS HARBOR WASHINGTON 1920

Number.	Date.	From or To—	Subject.	
505237	7/8	Pug.Sd.	Subm recommendations rel to communication line in conn with compass station. W. To Comdt Coast Guard- Westpot radio compass sta con line in conn with. 7/20 copy Puget Sd To Puget Sd rel above 7/20 Coast Guard- List expenditure made. 10/19 Fwd S&A. 10-26	W
515015	9/1	Pug.Sd.	Copy Plan proposed for married men's quarters not satisf. 919-42 - 43. W.	
524068	10/14	Pug.Sd.	Request obtain permission from Coast Guard to establish telephone comunications to North Head Radio Stations at Ocean park radio compass station, over coast guard lines.W To Coast Guard 11-13 Coast Guard- 12/6 W fwd Puget Sd 12/9 RB 2-23-21 Coast Guard-report on expenditures-7;14 fwd S&A 7/21	
546023	2/3 2/11	Pug.Sd. Communications	Fwds correspondence rel to compliment of Westport Station. W fwd Communications 2-16-21 Communications- Copy of action to 13th Dist. 2/21 W	
554987	3/28	Pug.Sd.	Calibration of working arc data- fwds. To Pug Snd Gives Inform cc Communications 4/11 Pug.Sd.-Fwds revised prints. 5/21 W	W.

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[OVER.]

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RADIO COMPASS STATION EUREKA, CAL. 1920

Number.	Date.	From or To—	Subject.
469445	1-16	To Dept	Eureka Station, purchase of land for. Reqts $100. for purchase of. W (SEE BU. (403916-919). RB-1;31
474020	2/6	To Y&D	Establishment of radio compass station at Eureka California W
		Fwd Solicitor 4/16 RB 5/12 W	Mare Island- Fwds deed for property on which compass house at Eureka is to be erected. 4/5 W.
		fwd Mare Island 5-16/21 copy Y&D Solicitor- 5/23 W.	To Sol fwd deed 4-13
		Dept- Copy action to MI 6/4 W	Sol. 5/13-Subm suggestions. 5/13 W.
48		12th Dist- 10/12- Fwds abstract of title and deed. W.	To Commt M.I., fwds copy of letter from Sol 5/19
		Fwd Solicitor 10/19 RB 10/27 W.	Mare Island 6/4 W
		Fwd Judge Advocate General 11/2 from JAG W.	Mare Island9 Fwds drawings showing radio compass site with comments on. 6/12 W
			fwd Sol 6-24
			fwd Sol 9/10 RB 9/20 W.
			Solicitor9 directs abstract be procured.9/17 W
			fwd MI 9-27 RB 10/14 W.
			Fwd Solicitor 10-16
			Mare Island- Fwds abstract of title to station land. 1/4 W.
			fwd Solicitor rel Eureka 1-18-21
			Mare Isl. 4/7 W.
521619	10/7	DCS Frisco Copy	Eureka ready for commissioning 10/1 W.
525001	10/15	Mare Island	Quarterly inspection report W.
526749	11-1	Frisco (copy)	Station placed in full commission; W

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RADIO COMPASS STATION EUREKA CAL.

Number.	Date.	From or To—	Subject.
535003	12/10	Mare Isl.	Quarterly inspection report. W.
568351	6/1	MI	Quarterly inspection report. W.
570593	6/13	MI	Fwds miscl prints cov description of operating instrns. W.
592098	10/17	MI	Quarterly inspection report. W.
607024	1/23	12th Dist.	Quarterly inspection report. W.

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[OVER.]

RADIO COMPASS STATION POINT FERMIN 1921

Number.	Date.	From or To—	Subject.	
536787		SEE CARD 1	To MI Reqst recomdns rel the action desired and whether or not the expenditure authorized shld be cancelled to await further inform from War Department 11/17 W. Mare Isl. 12/2 W To MI via Yds & Docks Gives Action 12/16 Y&D- Copy action to MI 12/17 W.	
597625	11/21	MI	Quarterly inspection report. W.	

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Number.	Date.	From or To—	Subject.	

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RADIO COMPASS STATION: POINT FERMIN:

Number.	Date.	From or To—	Subject.	
472313	1;27	Y&D	Material for construction of Point Fermin compass station delivered-construction will be undertaken at once.W	
475236	2/2 2/10	MI Y&D	Progress report, Point Fermin Comp Sta.	W.
478554	2/16 2/27	MI Y&D	Semi-monthly report fwd Y&D 3/1	W
480834	3/1 3/10	Mare Island Y&D	Semi-monthly report of progress. fwd Y&D 3/13	W
464310	3-10	12th Dist	Outline of radio work Point Fermin Compass Sta: W	604
515525	8/28	Mare Island	Point Fermin- reports on-fwds. W.	
519782	9/23	Mare Island	Quarterly inspection report. W.	

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RADIO COMPASS STATION POINT FERMIN

Number.	Date.	From or To—	Subject.
533463	11/30	Mare Island	Quarterly inspection report. W.
536121	12/16	Pug. Sd.	Request building now used by Light house personnel be obtained for housing radio compass personnel. W.
536787	12/16 12/20 Dept Commerce9 Suggests take up needs with War Dept. 8/19 W. To Dept Reqst inform 9/13 War Dept- No onjections. 11/9 W	Mare Island 12th Dist.	Suggests build ing now used by Light house personnel be obtained for housing compass personnel. W. To Dept Commerce. reqst info rel bldg 1/4/21 Dept of Commerce- 1/10 W. War Dept 9/28 W.
536979	12/22	Mare Islandp	Request authority to transfer fuel oil tank for Point Fermin comp sta to Point Reyes. W. To Comdt M.I. via Y&D 1/3/21
555241	3/29	MI	Quarterly inspection report. W.
568347	6/1	MI	Quarterly inspection report. W.
586047	9/8	MI	Fwds blueprint and platt and letter from light house Bureau. W. To MI via 11 Dist- Gives Action 9/22

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RADIO COMPASS STATION: FARALLONE ISLAND: 1920

Number.	Date.	From or To—	Subject.	
472312	1;27	Y&D	Farallone island compass station-progress report.W	
475312	2/2 2/10	MI Y&D	Progress report for Farralone Island.	W.
478552	2/16 2/27 m	MI Y&D	Semi monthly report fwd Y&D 3/8	W
522758	10/7	Mare Island	Quarterly inspection report. W.	
530973	11/17	Mare Island	Quarterly inspection report. W.	
536346	12/17	Mare Island	Copy of letter to Supt. light house Frisco, rasting authority to relocate compass house at Farallone Island, on top of Shoe Brick Point. W	
536893	12/17 12/22	Mare Island 12th Dist.	Fwds photos with comments showing proposed relocation of station. W. To MI via Y&D 12/30 cy Commun	

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RADIO COMPASS STATION FARRALONE ISLAND

Number.	Date.	From or To—	Subject.
538846	1/6	Y&D	Copy of endorsement to Mare Island apprving movement of radio compas station at Farralone Island. W.
549606	3/4	MI Copy	Relocated station calibrated and ready for operation. W
552644	3/15	MI	Quarterly inspection report. W.
555430	3/30	Mare Isl.	Deviations data Farralone Island Sta- fwds. W.
565574	5/17	MI	Fwds description of radio compass instln. W.
568349	6/1	MI	Quarterly inspection report. W.
592110	10/14	MI	Quarterly inspection report. W.
		1922	
625881	5/24	MI	Fwds description of radio instln. W.

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DIRECTION FINDERS ASSATEAGUE RADIO COMP STA

Number.	Date.	From or To—	Subject.	
485220	4/1	Norf	Lists radio material being held in sotre for- request disposition of. To IM Norf- disposition of material 4/3	W.

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Number.	Date.	From or To—	Subject.	

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N.S.E. Form 134.

RADIO COMPASS STATIONS: FORT ROSECRANS

Number.	Date.	From or To—	Subject.	
474510	2/9	To Mare Island (T)	War Department authorizes use of Ft. Rosecrans reservation for compass station period make all necessary arrangements with CO of this post rel location desired period Cons of the sta should be started without delay period advise Bu final arrangements and what site chosen. Mare Island 2/11	W

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[OVER.]

Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS WHITEFISH POINT COMP STA 1922

Number.	Date.	From or To—	Subject.
627133	6/5	9th Dist.	Report on calibration of Whitefish Point radio compass stations W. To Dir Comm-- Gives inform 6/12
629375	6/23	To S&A 563	Reqst shipment of Delco Unit from Norf to Whitefish Point W 9th Dist- Request funds be allotted to cover Delco unit- 10/26 WK To 9 Dist- Ask disposition made of delco unit 11/2 9th District 11/8 W
630749	6/28	Grt Lakes	States Coast Guard is contemplating building station at Whitefish point W.
647			

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Number.	Date.	From or To—	Subject.	

MICH. 1920

DIRECTION FINDERS WHITEFISH POINT, RADIO COMP STA.

Number.	Date.	From or To—	Subject.	
475652	2/9	9th Dist	Proposed radio compass station - Fwds prints and information covering.	W.
514869	9-2	To S&A	Reqst shipmt of gas engine from Norfolk to Great Lakes. for Whitefish Pt. W RB 10/22 , W.	
514870	9-2	To S&A	Reqst shipmt of gas engien fom FSB to Great Lakes W RB 10/22 W	
514866	9/2	To S&A	Reqst shipmt from Washn to Great Lakes W RB 10-27; W	
514867	9/2	To S&A	Reqst shipmt from Phila to G.Lakes ,	
520027	10-2	To Y&D	Radio compass stations White Fish Point Michiga, motor truck for W RB 10/21 W To C&R 10/1	
Y&D; copy of action to S&A; 10-29; SW			Y&D- Copy of action to Great Lakes. 10/8 W. Fwd &ds & Docks 10-27	
52 6991	11/2	S&A	Copy of shipt order covering motor truck from Great lakes to Compass Station, White Fish point, Michigan. W,	
		1921		
550279	3-9	To Comdt 9th Dist	Rel installation of spark gap- W 9th Dist. 3/15 W.	

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DIRECTION FINDERS WHITEFISH POINT MICHIGAN RADIO COMP STA 1921

Number.	Date.	From or To—	Subject.
567886	6/4	9th Dist.	Station has not recd monthly bulletins since February. W.
568627			fwd Comdt Great Lakes- rel truck for Whitefish Point WK 6/13
576707	6;25	9th Dis	Reqt allotment be madr covering putting Ford truck in first class condition.W To Y&D- 7-28 Y&D- Copy action to 9th Dist. W. 8/5
580488	8-16	To Comdt Great Lakes	Reqst prints covering location of masts and bldgs at Whitefish Point W Great Lakes- Fwds print of buildings. 8/22 W Great Lakes- Rqst blueprints be corrected. 8/23 W. To Great Lakes Reqst detld Inform 8/31 Great Lakes- Gives bearings 9/6 W.
592665	10/28	To Great lakes 9 Dist	Reqst inform rel location of whitefish point cc Comms W 9th Dist- Subm data requested. 11/1 W
615828	4/5	To Dir of Nav Comms	Radio Compass Stations- Commissioning of 919 Whitefish Point, Detour Point and Grand Marais Gives Action taken W

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DIRECTION FINDERS PORT MARGUETTE RADIO COMP STATION 1920

Number.	Date.	From or To—	Subject.	
475653	2/9	9th Dist	Proposed radio compass station - fwds prints and report covering	W.

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Number.	Date.	From or To—	Subject.	

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[OVER.]

DIRECTION FINDERS EAGLE HARBOR RADIO COMPASS STA. 1922

Number.	Date.	From or To—	Subject.	
631212	6/28	9th Dist.	Request permission to calibrate Eagle Harbor radio compass sra. W.	
649835	11/14	9th District	Survey of Government proposal of Eagle Harbor with satisfactory reference of enlargement of compass station W To 9 Dist- Reqsts all papers be returned 11/29 RB 12/4 W Fwds Yds & Docks 12/11	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS EAGLE HARBOR RADIO COMP 1920 STATION

Number.	Date.	From or To—	Subject.	
475654	2/9	9th Dist	Proposed radio comp sta - fwds prints and report covering.	W.
538014	1/4	1921 To S&A	Reqst shipmt of auto starter for gen set from Norf to Great Lakes W 5766	
538015	1-4	To S&A	Reqst shipmt of relay keys from Boston to Great Lakes W 5767	
542701	1/24	Y&D	Copy of letter to S&A requesting shipt order be issued covering motor truck from 3d Dist. to radio compass station at Eagle Harbor. W S&A- Copy of shipt order cov motor truck from 3d Dist. to Calumet Sta. 1/26 W	
550756	3-14	To S&A	Reqst shipmt of generators from NSD to Great Lakes W 6589 Grt Lakes- Rqst special allotment cov material listed. 5/14 W To GL- allotment made 5-31	
555518	3/24 4/4	Great Lakes Y&D	Request allotment be made cov spares and tools for motor truck. W. Fwd Yds & Docks 4/12 9th Dis-reqt action-4;29-W To Comdt 9th Dist 5-13	

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DIRECTION FINDERS EAGLE HARBOR RADIO COMP STA 1921

Number.	Date.	From or To—	Subject.	
588615	9/22 9/30	9th Dist. Great Lakes	Request Eagle Harbor compass station be credited with $20.60 cov damages collected from Express Co. on Leyden hars. W	
602381	12/29	Y&D	Copy of letter to 9th Dist. authorizing construct cottage at Eagle Harbor authorized for Duluth Sta. W.	
		1922		
608702	2/8	Y&D	Copy of leeter to Great Lakes stating approved credit cards will be fwded cov savings under allotment for cottage. W.	
611861	3/1	Y&D	Copy of endorsement to S&A requesting Great Lakes be authorized to purchase material for construction of cottage. W. Y&D- Cpy action toS&A 4/28 W.	
629396	6/20 To hon secy of commerce (Sec sig) - reqsts (Sec Sig) action be taken on previous corres. concerning subject 2/27/23	9th Dist	Request Bureau acquire land at Eagle Harbor. Fwds prints W To Secy of Commerce- Gives bprint of plans. W Dept Commerce- 7/12 W Dept Commerce returns prints .7/27 W Fwds 9 Dist 8/12 Dept 12/20 Copy action to Dept commerce W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
636337	10/27	Pug. Sd.	Subm estimates cov material and instln at Tatoosh Island. W.	919
649879	11/18	To S&A 1520	Reqst shipment of mat from Brook to Pug Snd W	
649881	11/22	To Pug Snd	Tatoosh sta.- storage battery for- assignment of WK Pug Snd 12/13 Submits estimates W To Pug Snd Recomdns appvd 1/11/23	
651128	11/25	YARBORO T	Calibration successfully completed Y	

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DIRECTION FINDERS TATOOSH ISLAND RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
652167	11/29	Pug Snd	~~Fwds calibration curves W~~ To Pug Snd- Gives inform rel work authd cc Dir Commns W 12/22	
652403	11/21 12/5	13th District Hydrographer	Fwds letter from the ADMIAL Line rel to bearings for TATOOSH station W Fwds Dir Commns 12/11	
654235	12/14	Pug.Sd.	Fwds Calibration curve and chart.	W.

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DIRECTION FINDERS TATOOSH ISLAND RADIO COMP STATION

Number.	Date.	From or To—	Subject.	
475739	2/6 2/12	Pug.Sd. Y&D	Submits estimates cov radio comp station, at Tatoosh Island. fwd Y&D 2/16 Y&D- Fwds Puget Sound's report, with estimate of allotment. 3/9 fwd Y&D 3/13 Y&D Reqst addtl allotment be auth 3/18 fwd Y&D 3/20	W.
545469	2/2 2/3	Pug.Sd. 13th Dist.	Request Tatoosh Com sta be placed on mailing list for monthly radio reports. W. To Comdt Puget Sd 6-24	
575957	7;14	Pug Sd	Reqt deviation curve and table be approved.W	
579072	7/27 8/1 8/4	Seattle Chamber Commerce Hon. L. H. Hadley Communications	Subm criticisms of Tatoosh Sta. Fwd Puget Sd 8/13 To Hon Hadley- 8/13 To- 8-15 ditto of 8/13 letter. W To-- Gives Action 10/3	CW. RB 9/25 W.
580493	8-16	To Comdt Puget Sd	Asks info when stations in district equipped with parts of radio compass equipment. W Pug.Sd.- Rqst express shipt be made.8/26 W To Pug Snd Gives modification 9/8 Pug.Sd.-Rqst destry be assigned.9/27 W To Operns- Reqst inform 10/6 Dept 10/10 W Pug.Sd. Wil fwds calibration data. 3/31 W.	

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DIRECTION FINDERS TATOOSH ISLAND RADIO COMPASS STA 1922

Number.	Date.	From or To—	Subject.	
615635	3/23	Pug.Sd.	Quarterly inspection report. W.	
635941	7/28	Pug.Sd.	Quarterly inspection report: W.	
645994	9/21	SS KAJA MARAU	Reports good results on bearings from station. W.	
647561	10/25	Pug.Sd.	Quarterly inspection report of Tatoosh radio compass station. W.	
636337	7/25	13th Dist	Comments on unsatisf service furn by RC stations 13th Dist established by Tatoosh stations due to choartage of personnel. W	919

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DIRECTION FINDERS ALPENA RADIO COMP STA

Number.	Date.	From or To—	Subject.	
476365	2/12	9th Dist	Proposed radio comp station at Alpena, Mic h. fwds prints and sketches with estimate.	W.
529305	11/9	Grt Lakes	Request authority to issue Edison Stg.Batt. W. To Comdt 9th Dist 11-18	
544625	2/11	To C&R	Radio compass Sta- Thunderbay island; ask to be advised when shipmt of mat made W. C&R- Copy of action to Norf. 2/14 W. C&R 1/12 W	
561121	4;25	9th Dis	Reqt auth covering land lighting communication from Thunder Bay Island Compass Station to Alpena Mich transmitting station.W To Comdt 9th Dist- 5-5	
649880	11/18	To S&A 1519	Reqst shipment of mat from MI to SO Pug Snd W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS HARBOR BEACH RADIO COMPASS STATION

Number.	Date.	From or To—	Subject.	
476366	2/12	9th Dist	Proposed radio comp station at Harbor Beach Michigan.- Fwds prints and sketches with estimate	W.

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Number.	Date.	From or To—	Subject.	

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SHEBOYGAN RADIO COMPASS STATION

Number.	Date.	From or To—	Subject.	
476367	2/12	9th Dist	Proposed radio comp station, at Sheboygan, Mich Fwds prints and sketches with estimate.	W.

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS: RADIO COMP STA OZETTE ISLAND 1920 1.

Number.	Date.	From or To—	Subject.	
476705	2/19	To Comdt Puget Sound	Station to be relocated- some point between Cape Johnson and Point of Arches, Wash. Reqst survey, reporting results.	W
	To Pug Snd radio compass station at such isolated point 10-16	not desirable to locate	Dept 4/20. W.	
			Pug.Sd.-Fwds report and prints. 8/17 W.	
481648	3/15	Dept	Authorizes relocate radio compass stations and transmitter in vicinity of Point Sur, Calif-W	
			To M.Island- reqst survey of Point Sur and locate site for station 4-13	
			Mare Island- (T) Subm estimates nec for Point Sur. 4/24 W.	
			Mare Island- Copy of latter to 12th Dist. 4/20 W	
			Communications- Fwds correspondence with prints and estimates. 5/27 W.	

Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS NORTH TRURO STATION 1921

Number.	Date.	From or To—	Subject.
584509	9/6	Key West To	Reports on condition of. W. Key West Gives Inform 9/10
587986	9/21	Key West	Quarterly inspection report. W.
588802	10/3	Key West	Subm report cov construction of water shed over radio compass bearing house. W
		1922	
602786	12/27	Key West	Quarterly inspection report. W.

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS) NORTH TRURO COMP STATION

Number.	Date.	From or To—	Subject.
491936	5/4	Bost	uarterly inspection report W
496611	5/17 5/26	War Dept Communications	Aurhotizes erection of radio compass station at East Martello tower reservatinn; fwds prints. W. To Comdt K.West. reqst coy of letter to War Dept be fwded 6-2 Key West- 6/7 W.
515831	9-10	To Key West viaY&D	Authorized projects in conn with stations 8th Dist for 1921. Lists W Y&D- Copy of action to Key West. 9/18 W. Key West-Fwds sketch of Key West Island- also sketch of East Martello tower reservation, with comments on. 10/5 W. fwd Ordnance 10/30 RB 11/17 W. Ordn 11/8 W fwd S ect 11-26 RB 2-1 Dept- Copy of action to War Dept. 12/1 W To Key West via Y&D 2-2 Y&D- Copy of action to Key West.2/4 W
554126	4/5	To S&A	Reqst shipmt of coil from Boston to SO Key West 6860 W RB 5/9 W.
554125	4/6	To S&A	Reqst shipment of apparatus from Washn to Key West 6876 W. Key West 5/2 W. To Key West 5-11. Washn-Gives name plate data 5/19 W Key West 5/23 W. To S&A Reqst shipment of apparatus from Washn to Key West 9941 3/27

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DIRECTION FINDERS NORTH TRURO COMP STATION 1921

Number.	Date.	From or To—	Subject.
557700	4/15	To S&A	Reqst shipmt of batteries from Key West to O-I-C Key West 7026 L S&A 6/4 W fwd S&A 6/10
561595	5/3	Key West Copy.	Request authority to charge Key West project approximately $700 cov radio compass material W. To Key West Tel 5-5
561199	5-7	To Nav Communications	Gives position of station now bldg at Key West W
567			
570056	6/16	Y&D	Copy of letter to Key West stating credit cards cov constrn of compass house will be fwded. KW. Y&D- 6/16 KW.
575509	7;15	Key West	Submits report on calibration-fwding maps.W To Commun 7/25 To Comdt Key West 7/28 W Key West- 8/5 W. fwd Commun 8/13 RB 8/16 W.
583367	8/30	7th Dist. Copy Y&D-Gives reasons for repair.9/19 W	Key West- roof of station leaks. W. To Key West via Yds & Docks Authd 9/9 W Y&D-Copy action to Key West. 9/16 W. Key West- Roof not water tite. 9/14 W.

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DIRECTION FINDERS RADIO COMPASS STATIONS AMAGANSETTE L.I. 1920

Number.	Date.	From or To—	Subject.
502981	7-7	To Y&D	Reqst construction of compass house. W copy I.M.NY Y&D- Copy of action to N.Y. 7/10 W.
524355	10/20	Y&D	Copy of letter to 3d Dist. directing new proposals be secured covering radio compass building. W.
530387	11/20	Y&D	Buildings at Amagansett and Sayville - report covering award of contracts. W.
531802	11/29	Y&D	Specifications covering two 150' steel towers for Amagansett Sta. W.
532457	?	??	Copy of specifications covering radio and radio compass station at Amagansett. W.
533828	12/9	Y&D	Fwds specifications for radio compass sta. W

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Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS GRAND MARIAS RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
644200	10/3	Great Lakes	Request station be placed on mailing list for main radio report. W.	
647991	11/1	9th Dist. Copy	Sub Chaser 419 arrived at Grand Marias am completed calibration. W.	
650163	11/17	Great Lakes	Fwds deviation durve W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS; RADIO COMPASS STA GRAND MARIAS 1922

Number.	Date.	From or To—	Subject.
617570	4/11	To 9 Dist	Grand Marias, Mich Position of- Reqsts that the geographical position of stations be established and furnished BU W Bds Mich award recommended to Ports Yd. R 9th Dist 4/18 Gives position of Grand Marais Geographical station W 4/29
617998	4/12	To S&A 38	Reqst shipment of Equipment from Washn to O-I-C Grand Marias W RB 5/4/22 W.
		39	To S&A Reqst shipment of mat from Phila to Grand Marais W 4/12 RB 5/6 W.
		40	To S&A Reqst shipment of mat from NY to Grand Marias 4/12 RB 6/12 W S&A- Copy action to N.Y. 4/28 W.
		1922	
630470	6/28	Grt·Lakes	Fwds calibrations sheets. W.

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DIRECTION FINDERS: RADIO COMPASS STA., GRAND MARIAS 1920

Number.	Date.	From or To—	Subject.	
515796	9-8	To S&A	Reqst shipmt of storage batteries from FSB to Great Lakes. L	
519687	10/1	To S&A	Reqst shipt from Phila to Coast Guard Sault Ste Marie for Grand Marias. L Grt Lakes 12/20 W To Great Lakes- 1-17-21	
528262	11-12	To Comdt Phila	Reqst Bevel dials be furnished stations Grand Marias, Whitefish Point and Detour Point. W Phila 11/30 W. To Comdt 9th Dist, fwds copy letter of 11/30 for info 12/7	
554095	3/21 3/26 m	Grt Lakes S&A	Request allotment cov subsistence of men on compass station in Alaska. W. To Grt Lakes Allotment made 3/31 New Orln- Submm estimate for work. 8/26 W	
587587	9/23	9th Dist.	Care of station transferred from Light house keeper to Coast Guard Sta. 296. W.	
599586	12;5	9th Dis	Grand Marais Station-status of completion of.W FwdDir communications 12/22 RB 12/28 W To 9 Dist- Reqst work be held in abeyance 1/6	
615828	4/5	To Dir Nav Comms	Radio Compass Stations- Commissioning of Whitefish Point, Detour Point and Grand Marais Gives action taken W	919

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[OVER.]

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DIRECTION FINDERS STAS., DETOUR POINT.MICH 1920

Number.	Date.	From or To—	Subject.	
514872	9-2	To S&A	Reqst shipmt from Washn to Great Lakes for stationr radio appr W; RB 10-27; W	
514871	9/2	To S&A	Reqst shipmt from Phila to Great Lakes W	
514873	9-3	To S&A	Reqst shipmt from Norf to Great Lakes gas engine W RB 10/22 W.	
514874	9-3	To S&A	Reqst shipmt of gas engine from FSB to Great Lakes. W RB 12/6 W To S&A reqst status 10/11	
715828	4/5	To Dir Nav Comms	Radio Compass Stations- Commissioning of Whitefish Point, Detour Point and Grand Marais Gives Action taken W	919
		1922		
630469	6/28	Great Lakes	Rwds calibration sheets. W.	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS VIRGINIA BEACH COMPASS STATION 1920

Number.	Date.	From or To—	Subject.	
519001	9/22	Coast Guard	Grants permission to erect compass bldg. To Norf via Y&D 9/27	W.
528826	11-13	To Coast Guard	Reqst auth for erection of quarters for radio compass personnel at Virginia Beach. Coast Guard- Authorizes fwd prints. 11/22 To Y&D 12-16	W

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS - FORT BARRY

Number.	Date.	From or To—	Subject.	
522322	10/4	Mare Island	Copy of letter from Fort Barry requesting authority to secure elec power from army mains for lighting radio sompass station. W. Copy of letter to U.S.Engineer,Frisco.10/4 W	
519887 see	919-65	error- do not enter on this card.		

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS: MANISTIQUE, MICHIGAN 1921 1.

Number.	Date.	From or To—	Subject.
551074	3-14	To S&A	Reqst shipmt of storage batteries from NSD to Manistique L 6597 RB 4/25 W.
	To Great Lakes-	6-8	Grt Lakes 5/14 W
			Grt Lakes Subm estimates. 5/18 L
560901	4;26	SOL	To Comdt 9th Dist- 6-2
			Fwds copy of deed from B.Gero and wife covering site for compass station Manistique,Mich.W

Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.
549539	3/3	Y&D	Subm estimate cov construction of septic tank for sewerage system. W. To Y&D- 3-9 allotment made W
561378	4/27	Pug. Sd.	Recommendations cov maintenance allowance for. W. To Puget Sd 5-11
570788	6/16	Pug. Sd.	Proposed location of stations- fwds print. W To Coast Guard fwds 7/8
573531	6;30 7;2	Pug Sd 13th Dis	Reqt monhly radio report be furnished. W
		1922	
615634	3/23	Pug. Sd.	Quarterly inspection report. W.
635805	7/28	Pug Sd.	Quarterly inspection report. W. To Pug Snd- Fwds Bulletins 8/11

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DIRECTION FINDERS 1922

Number.	Date.	From or To—	Subject.	
649405	11/6	P.S.	Quarterly inspection report W	
651706	11/29	YARBORO	Copy calibration successfully completed	W
652168	11/29	Pug Snd	Fwds calibration curves W	

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DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.	
545958	2/10	S&A	Copy of letter to Pug.Sd. assigning accounting number 972 to Port Angels Comp Station. W.	
550695	3/5	Pug.Sd.	Request maintenance allotment be made station cov equipt stores, etc. W. To Pug Snd Allotment granted 3/16	
555243	4/7	C&R	24' motor Sailing Launch 13272 assigned to Port Angels Compass Station Y	611-5
560787	4;28	Y&D	Radio compass work at Port Angels completed with saving from allotment.W	
57419 0	7;6	Pug Sd	Quarterly inspn report.W	
576180	7;19	Y&D	Copy of ind to Pug Sd reqting plans covering boat storage at Port Angeles & Smith Island.W	
584400	9/9	To S& A 8746	Reqst shipmt of telephone from Boston to SO Pug Snd W RB 11/22 W	
592212	10/24	Y&D	Copy of letter to 13th Dist. in conn with construction of boat storage at station. W.	

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DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.	
601067	12/12 12/19	Pug.Sd. Y&D	Recommends mooring be furn for 24' motor sailing launch at Sta. W. Fwd 1ds & Docks 1/25 Y&D- Returns balance from allotment. 1/28 W Y&D- Copy action to Pug.Sd. 1/28 W.	
		1922		
602917	12/30	Pug.Sd.	Quarterly inspection report. W.	
615615	3/23	Pug.Sd.	Quarterly inspection report. W.	
635804	7/28	Pug.Sd.	Quarterly inspection report. W.	
642378	9/19	Y&D	Copy of letter to Pug Sd giving instructions covg survey of buildings W	

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[OVER.]

DIRECTION FINDERS SMITH ISLAND COMP STA 1922

Number.	Date.	From or To—	Subject.
636360	8/1	Pug. Sd.	Quarterly inspection report. W.
637910	8/11	Pug. Sd.	Fwds calibration chart for Smith Isl. Compass station. W.
648711	11/3	P.S.	Quarterly inspection report W
650074	11/18	CO YARBORO	Copy calibration completed at Smith Island calibration Cattle Point W
650524	10/14 11/22	Dept Commerce Dept	Authority to instruct builders on light house reservation for Smith Island and New Gruness W Fwds 13 Dist via Yds & Docks 11/25 Y&D 12/1 Copy action to 14th District W

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Number.	Date.	From or To—	Subject.	

919-72

DIRECTION FINDERS: SMITH ISLAND DUPLICATE

Number.	Date.	From or To—	Subject.
546463	2-15	To Puget Sd T	Reqst subm estimates for batteries and equipment for stations SMITH ISLAND CATTIE POINT NEW DUNGENESS- asks if matrl available Puget Sd. Reqst expedite W Pug.Sd. (T) Subm estimates. 2/17 W To Puget Sd 2-21 Pug.Sd.- Copy- Request reconsideration.3/3 W To Puget Sd T 3-5
572991	6/28	Pug Sound	Quarterly inspection report W
572062	7-19?	To S&A SEE 919-79	Reqst amendment of shipt order 8045 from N.Y. to Lakehurst. W 8189
		1922	
602828	1/3	Norf. (T)	Land line out between Smith Island, and Virginia Beach- Norfolk and Cape Hatteras.W
609649	2/1 2/14	Pug.WSd. Y&D	~~Fwds print and letter from light house~~ service cov cnstruction of boat house and landing. W. Fwds Yds & Docks 3/11 Y&D- 3/15- Allotment made to Pug.Sd. W. Y&D- Copy action to Pug.Sd. 3/15 W. Y&D- Fwds print with recommendatins.5/19 W

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DIRECTION FINDERS SMITH ISLAND 1922

Number.	Date.	From or To—	Subject.	
611154	2/24.	Y&D	Copy of letter toPug.Sd. fwding specfns and transmitter cov water tanks, walks etc. W.	
615614	3/23	Pug: Sd.	Quarterly inspection report W.	
615597	3/27	Y&D	Returns savings under allotment chargeable to Engi eering 1922 cov construction of cistern range shed and board walks. W. Y&D- Copy action to Pug.Sd. 3/27 W.	
618524	4/14	Y&D	Copy of letter to Pug.Sd. giving instrns rel to water storage, walks and oil storage. W	
629525	6/23	Y&D	Pug Sd cannot complete oil storage at radio compass sta Smith Island within present fiscal year KW	

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[OVER.]

DIRECTION FINDERS FT. SCRIVENS COMPASS STATION 1922

Number.	Date.	From or To—	Subject.
618371	4/13	Y&D	Cpy of letter to Chasn. asking if balance from allotment made for relocation of station can be returned. W.
620290	4/24	Y&D	Copy of letter to Chasn. stating approved credit card will be fwded cov savings on relocation of radio compass house. W.
620786	4/24	Chasn.	Tybee Island communication lines -cost of, etc. W.
624067	5/15	Chasn.	Nec to install five polls between power plant and compass station before power could be supplied at Ft. Screven. W.

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.
570161	6/14	Chasn.	Request radio compass coil shaft and dial be furn: W. 1 To Chasn 6-21 To Chasn. instaln of equipment 7/8 copy Communications To Comdt Charleston 7/23 W Chas-- 8;25 W
570659	6-24	To S&A	Reqst shipmt of material from Phila to Ft. Scrivens, Tybee Island W 7911 Amendment of 7/7 7911
570660	6-23	To S&A	Reqs shipmt of material from Washingoton to Ft Scrivens, Tybee Island W 7912 Amendment of 7/7 To S&A shipmt of batt from Phila to Tybee 7/13 8138 RB 9/21 W Washn-7;13-W
570658	7-12	To Comdt Charleston	Gives instrucions rel shipment of radio working equipment W copy S&A
591966	10/22	Y&D	Fwds sheets cov miscl data for data book Public Works of the Navy. W. Fwd Chasn 10/31
594705	11/3	Chasn.	Recommends new foundations for compass station be authorized. W. Fwd Yds & Docks 11/17 Y&D-Copy action to Chasn. 11/21 W

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DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.
597131	11/19	Chasn.	Request special allotment cov new foundations. W. Fwd Ids & Docks 11/29 Y&D- Copy action to Chasn. 12/2 W
597285	11/21	Chasn.	Quarterly inspection report. W. To Chasn no change will be considered 12/13
599447	12;8	S&A	Copy of indorsement to Chasn authorizing moving radio compass building to new location.
		1922	
612073	2/28	Chasn.	Quarterly inspection report. W. Chasn- Fwds copy of letter from Southern Bell Telephone Co 3/8 W. Fwds Dir Commns. 3/23 RB 3/29 W To Chasn- Records cont be held in abeyance. 4/4 W
613 615555	3/23	Chasn. C	Calls attn to radio mast removed from Jacksonville Station - can possibly be used at Tybee Island. W.

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[OVER.]

919-74

DIRECTION FINDERS 1922 2

Number.	Date.	From or To—	Subject.	
655215	12/22	Pug Snd	Recommendations with estimate for Cape Hinchinbrook station W	

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Number.	Date.	From or To—	Subject.	

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DIRECTION FINDERS 1922 CAPE HINTCHINBROOK

Number.	Date.	From or To—	Subject.	
629833	6/20	Pug. Sd.	Quarterly inspection report. W.	
634799	7/21	Pug Sd	Fwds spec report on radio compass coil constance W To CO Anacostia- Fwds special report 8/5	
635801	7/28	Pug. Sd.	Fwds curves in conn with calibration of station. W.	
636358	8/18	Pug. Sd.	Quarterly inspection report. W.	
642936	9/21	Pug. Sd.	Quarterly inspection report. W.	

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919- 74

DIRECTION FINDERS

1921

Number.	Date.	From or To—	Subject.
547337	2/18	Y&D	Copy of endorsement to Pug.Sd. stating Dept of Commerce has granted authority to use light house reservation at Cape St.Elias and Cape Hinschenbrook. DA.
556061	4/4	Pug.Sd.	Report by Lt.Cdr.F. Luckel covering on investigation for site for compass s ation at Cape Henchenbrook. W.
		1922	
607832	1/24	Pug.Sd.	Fwds compass sttion test bearings. W.
625185	5/24	CO SWALLOW Copy	Calibration of compass station completed.W
628382	6/5	Pug Sd	Hinchinbrook inspection report W

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DIRECTING FINDERS SOAPSTONE POINT 1921

Number.	Date.	From or To—	Subject.	
602114	12/27	Communications	In conn with satisf service rendered by Soapstone Point. W.	
611240	1/20	Soapstone Point	Lists material required for maintenance. W. Fwd Pug Snd 3/7	
622246	5/8	Soapstone point	Request 26' boat	611-2
627570	5/7	Pug Sd	Fwds photo showing reloading of matl at Soapstone Point W	
628984	6/15	Pug Sd	Quarterly inspection report W	
636359	8 1	Pug Sd.	Quarterly inspection report. W.	

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DISECTION FINDERS SOAPSTONE POINT 1922

Number.	Date.	From or To—	Subject.	
642938	9/20	Pug.Sd.	Quarterly inspection report. W.	
655209	12/22	Pug Snd	Recommendations with estimate for Soap Stone Point Radio Station W	

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DIRECTION FINDERS

1921

Radio COMPASS STATION.

Number.	Date.	From or To—	Subject.	
558456	4/14	8th Dist.	Quarterly inspection report. W.	

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Number.	Date.	From or To—	Subject.	

919-77

DIRECTION FINDERS: PEARL HARBOR 1921

Number.	Date.	From or To—	Subject.	
540749	1-19	To Comdt P.H. via Y&D and Comdt M.Island	Allotment of 3000 made covering projects W Y&D- Copy of action to Pearl Harbor- 1/24 W 14th Dist-Copy- Ford Isl. comp sta little used for Navigation- 2/1 W. Destry Div. 18 (T) Comments on possible use of Ford Isl. Comp sta. 2/5 C W	
546			To Pearl Harbor Tel 3-9	
569449	6/13	Y&D	Copy of telegram to Pearl Harbor directing obligate allotment cov fabricating compass house before end of fiscal year. W.	

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
605580	1/25	To Yds & Docks	Effect of recent storm on Standard Compass House Anacostia Auths expenditures cc CO Anacostia W. Anacostia- Fwds curves with report and recommendations. 3/17 W.
604897	1/27	To C&R	Rqsts for motor sailing launch for use in conducting radio compass rsch work at Rqdio Compass Station 1/27 W K
636171	8/4	Y&D	Copy of letter to Washn. stating approved credit card s will be fwded cov savings on instln of heating system. KW.

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Number.	Date.	From or To—	Subject.	

919-78

DIRECTION FINDERS: ANACOSTIA 192a

Number.	Date.	From or To—	Subject.
540744	1-20	To Comdt Wn via Y&D	Allotment of $30000 made covering station W Y&D- Copy of action to Washn. 1/25 W To Washn item will be del. about April 19 4/18 Washington 5/12 Lists defects. 5/12 W.
542759	1/25	Y&D	Copy of letter to Washington directing compass house be constructed of knock-down type. W.
553490	3/29 S&A- 4/6	To S&A W	Reqst shipmt of cable from NY to Anacostia 6768 D RB 6/17 L fwd S&A 5/13
555730	4/6	To Pole & Tube Works	Grants permission to Representative of co to photograph Steel Guyed radio mast at Anacostia W To Anacostia Grants permission-Gives action W 4/6
569583	6-16	To Coast & Geodetic Survey	Reqst position of station Anacostia W Coast & Geodetic Survey- 6/21 W Coast & Geodetic Survey Fwds position. 6/23 W To Dir Comms Anacostia established as listed 7/6 To CO Anacostia Fwds Data 7/6
570664	6-23	~~To S&A~~ To Y&D	~~Requxxxxxxxxx~~ Modification of order to include furniture listed for station Anacostia W Y&D- Copy action to Washn. 6/28 W. RB 7/8 fwd Y&D 7-14 Y&D-Copy of action to Washn-7;15-W

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DIRECTION FINDERS ANACOSTIA 1921

Number.	Date.	From or To—	Subject.	
578831	8/3	Y&D	Erection of compass house completed with saving from allotment. W. Y&D- Copy action to Washn. 8/3 W.	
587219	9/27	To Anacostia	Grants authy for Edwin L White to Visit Radio lab Anacostia W	
596308	11/17	Y&D	Fwds sheets to be filled out cov miscl data for data book. Public works of the Navy. W. Fwd Washn 11/29	
600434	12/14	Anacostia	Request assignment of 50' motor sailer for calibration of compass station. W Y To S&A Reqst shipmt of field set from Washn to SO Anacostia 9380 12/19 RB 1/18 W	
601991	12/23	Anacostia	Calls attn to defects in heating system of compass station at Anacostia. 12/23 W Fwd Yds & Docks 1/6 RB 1/18 W	

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[OVER.]

DIRECTION FINDERS LAKEHURST N.Y. 1922

Number.	Date.	From or To—	Subject.
622446	5/8	Y&D	Copy of letter to 4th Dist. authorising resubmit requisition 94 cov improvements. W
628355	6/15	Y&D	Copy of letter to Phila directing prepare requisition for matl W
643505	9/29	Y&D	Copy of endorsement to Phila stating painting at Lakehearst compass station are chargable direct to Phila Yard W

Number.	Date.	From or To—	Subject.	

DIRECTION FINDERS: LAKEHURST, N.J.

Number.	Date.	From or To—	Subject.
576211	7;20	Y&D	Copy of letter to Lakehurst reqting contr complete power line extension before Aug 2. W
576523	7;21	Phila	Quarterly inspn report. W
576032	7-25 Card	To Comdt Phila via Y&D	In re instaln of antenna and counterpoise station Lakehurst WK
576684	7-26	To S&A	Cable for use in connection with radio compass station Lakehurst W
577878v	7/28	Y&D	Copy of endorsement to Phila. authorizing expenditures cov movement of radio compass station W
578621	8/2	Phila.	Quarterly inspection report. W.
579066	8/4	Y&D	~~Request authority to expend addtl money covering compass and radio stations. KW.~~ To Y&D 8/16 Y&D- Copy letter to Phila. 8/19 W.
572002	8-13	To Operations	Calibration of using dirigible radio compass station LAKEHURST W copy Phila and CO To Comdt Phila 8/13

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DIRECTION FINDERS LAKEHURST N.J. 1921

Number.	Date.	From or To—	Subject.
581373	8/18	Dept	Copy of endorsement to Lakehurst authorizing use of air ship D-6 for calibration of compass at Lakehurst. W.
582097	8/22	Lakehurst (T)	Gives status of instln of radio transmitter variometer units not recd; Radio compass ready for calibration. W.
591788	10/21	Y&D	Fwds instructions rel to submitting data for book "Published Work of the Navy" W Fwd Phila 10/31
592476	10/24	Phila.	Fwds special radio report on instln and testing of compass equipts. W.
		1922	
604245	1/10	Phila.	Quarterly inspection report. W.
621741	5/3	Y&D	Copy of letter to 4th Dist returning requisition cov instln of storm entrance and heating system- directs change specifications. W.

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~~541192~~
919-79

DIRECTION FINDERS: LAKEHURST N.J. /1921

Number.	Date.	From or To—	Subject.
541196	1-20	To Comdt Phila via Y&D	Allotment made covering station- 2500 W Y&D- Copy of action to Phila. 1/25 W. Y&D- Copy of action to Phila. 2/1 W Phila. Rqst instrns rel to method of charging batteries. 2/4 W. To Phila via Y&D 2-15-21 To Phila Grants Authy 4/23
547339	2/18	Y&D	Copy of endorsement to Phila. approving construction of radio compass house at Lakehurst. W.
557668	4/13	Phila.	Quarterly inspection report. W.
558068	4/13	Phila.	Quarterly inspection report. W.
559613	4/26	To S&A	Reqst shipmt of condenser from Philt To Lakehurst 7151 W RB 6/22 W RB 3/24/22 W. To Phila 6-25 Phila. 8/16 W To Comdt Phila 8-25
560291	4;26	Y&D	Copy of letter to Phila stating stove will be furnished for.W
562303	5-9	To S&A	Reqst shipmt of charging unit from Norfolk to Lakehurst. W 7318 RB 6/13 W
562304	5-10	To S&A	Reqst shipmt of amplifer and tubes from Washington to Phila W 7317 RB 7/20

Phila. 9/19 W

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DIRECTION FINDERS: LAKEHURST N.J. 1921

Number.	Date.	From or To—	Subject.
569501	6-16	To Comdt Phila via Anacostia	Completion of installation at Lakehurst. Rel action being taken expedite delivery of material W Phila. 6/27 W. Phila-reqt full complement be furnished. 7:11-W
572535	6/30	Y&D	Copy of telegram to Phila stating Lakehurst authorized to add instln of counterpoise W
572002 see card 2			
572062	7-8	To S&A	Reqst shipmt of wire wound armor from N.Y. to Lakehurst W 8045 RB 8/12 W. To Phila 7/13 Phila-T-reqt increase amount of cable on shipment order 7:15-W To S&A amendment 7/19? 8189
			Phila-submits reqt for addtl allotment 7:12 W Phila. 8/5 W Y&D-Copy action Phila. 8/30 W
575246	7:12	4th Dis	Pole line rxd to radio station-reqt cost of be included in contract 4348 for elec distributing system. W fwd Y&D 7/23 Y&D-Copy action to Lakehurst. 7/26 W
574754	7/19	To Phila	Asks when Lakehurst antenna will be completed also antenna capacity W To Phila 7/23 Phila-T-antenna completed 7:20 W Phila- Progress report. 8/1 W.
575032	7:19	Phila	Reqt allotment covering completion of radio set at Lakehurst be furnished. W
	see card 2		
575183	7-20	To Anacostia	Confirm phone convsn rel transmitter for Lakehurst W

[OVER.]

Number.	Date.	From or To—	Subject.	
637883	8/19	Fwds Yds & Docks	Exchange of trucks- fwds recommending apprl W Y&D- Copy action to Chasn. 8/23 W	
640469	9/1	Chasn.	Rel to furnishing White motor truck to compass station. W. Fwds Yds & Docks 9/15	
644049	9/29	Chasn.	Quarterly inspection report. W.	
645275	10/12	Y&D	Authorizes improvements to compass station completed with savings under allotment. W	
645275	10/12	Y&D	Copy of letter to Chasn. stating approved credit card will be fwded cov savings under allotment for improvements at compass station. W.	

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DIRECTION FINDSERS FOLLY ISLAND COMP STA 1922

Number.	Date.	From or To—	Subject.	
649958	11/17	Y&D	Copy letter Charleston reporting on savings allotment covering purchase of furnithre W	
651519	11/28	Chasn. (T)	Mast at compass station collapsed due to high wind and rusted condition. W. To Chasn (T) - Rqsts estimate 11/29. Chasn. 12/7 T $1300 W. To Tds & Docks- Allotment made cc Chasn 12/13 Y&D 12/16 Copy action to Chasn W Chasn 12/16 T Rqsts action W	
651705	11/29	Chasn.	Report covering collapse of mast- recommends mast removed from Jacksonville station be erected- fwds print. W.	
654243	12/19	Y&D	Work in conn with improvements completed with savings under allotment. W.	

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DIRECTION FINDERS FOLLY ISLAND COMP STA 1922

Number.	Date.	From or To—	Subject.
603412	12/30	Chasn.	Quarterly inspection report/ W. To Chasn- Comments on report 1/26
605741	1/19	Chasn	Request submarine cable be provided for telephone communication at Station. W. To S&A Reqst shipment of cable from NY to SO Chasn 9605 1/26 Chasn- Report rel to providing submarine cable. 3/2 W. To Chasn- Gives Action taken 3/11
613176	1/17	D. H. Shallcross	Report on inspection of Folley Island Station. W.
614578	3/23	To Chasn	Radio compass Station, Folly Island Fwds photostat cc of data sheet W
617453	4/4	Chasn	Quarterly inspection report. W.

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DIRECTION FINDERS FOLLY ISLAND COMPASS STATION 1922

Number.	Date.	From or To—	Subject.	
621950	5/5	Y&D	Copy of letter to Charleston directing expedite report on status of work under allotments chargeable to Engineering 1922. W.	
~~630114~~				~~630112~~
630114	6/22	Chasn.	Folley Island- Quarterly inspection report. W.	
631407	7/3	Chasn.	Request instructions rel to unsuitable rugs for quarters. W. To Chasn cannot provide further funds 7/21	
634634	7/25	Charleston T	Ask if plan covering heating system for compass house is approved. W. To Chasn (T) place expansion tank and pipe in most satisfy location 7/27	

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DIRECTION FINDERS FOLLY ISLAND COMPASS STATION 1921

Number.	Date.	From or To—	Subject.
572534	6/27 6/30c	Chasn. Y&D	Gives reasons why station will not be completed by 6/30 W. fw Y&D 7/12
573081	6/30 Fwd Chasn via Yds & Docks 10/1	Charleston	Submits request for additional allotment W fwd C omdt Charleston 7/25 Chasn- Subm list of furnishings for, with price 9/14 W.
573830	7:5	Chasn	Reqt addtl allotment of $800 relative to relocation of compass station from Morris Island to Folly Island. W To Chasn via Y&D 7/13 Y&D-copy of action to Chasn-7:16-W Y&D-copy of action to Chasn-7:13-W
579573	8/3	Chasn.	Fwds radio compas calibration curve. W.
583138	8/25 8/29	Chasn. Y&D	Over expenditure in allotment. WK To Chasn via Yds & Docks Attothen W athd 9/10 RB 10/15 W. To Chasn via Yds & Docks- Gives instrns 10/20
583407	9/10	To Chasn	Reqsts that Station be recalibrated as as practicable using a more suitable vessel than a subchaser W
585430	9/14	Y&D	Copy intrns to Chasn to move radio station from Harris Isl. W.

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DIRECTION FINDERS FOLLY ISLAND COMPASS STATION 1921

Number.	Date.	From or To—	Subject.
589552	10/6	JAG	Fwds copy of deed by Folly Beach Corpn cov compass station site. W.
590127	10/7	Chasn.	Request for special allotment of Ceil crews quarters. W. To Chasn- allotment made 10/21
591510	10/18	Chasn.	Quarterly inspection report. W. Fwd Chasn 11/5 Chasn- Action taken on inspection report. 12/13Y Fwd Chasn 1/18 RB 2/3 W.
591982	10/22	Y&D	Copy endorsement to Chasn. in conn with over expenditures cov moving radio station from Morris Isl to Folley Isl. W.
594054	10/28	Chasn.	Fwds radio compass deviation curve. W.
595079	11/3	Chasn.	Fwds request of Folley Isl. for Ford truck for transportation purposes. W. Fwd Yds & Docks 11/17 RB 1/5 W Y&D- Copy action to Chasn. 12/10 W Chasn- Recommends Ford truck be furn. 12/8 W
5			

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DIRECTION FINDERS ST PAUL RADIO COMPASS STATION. 1921

~~direct~~ Number.	Date.	From or To—	Subject.	
594234	11/2	S&A	Copy of letter to Aug. 3d assigning accounting number to St. Paul radio compass station. W.	
			1922	
603003	1/7	To Hon Secy of Commerce (sec Sig)	establishment of additional radio activities on St. Paul Island -location will not interfere with seal industry ; Reqst inform W Dept of Commerce- Request further inform. 1/12 W To Sec of Commerce- Location of station cannot be determined 1/25 W (Sec Sig) Dept Commerce- Rqst prints showing location of station. 2/3 W. Dept of Commerce- 2/8 -Fwds comments on Bureau of Fisheries rel to drilling artesian well. 2/8 W	
CANCELLED	all correspondence changed to 847- radio station.		Fwd 15 Dist 2/13	
622246	5/8		Request for 26' boat for Soap Stone point	611-2

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

919- 82

DIRECTION FINDERS PORT EADS RADIO COMP STA 1922

Number.	Date.	From or To—	Subject.	
639300	8/23	8th Dist	Report of inspection.W.	
638407	8/26	To Dir Commns	Radio station South Pass Port Eads- Establishment of- W To Comdt New Orleans- Comments on 10/13	W
647302	10/27	Y&D	Submits data concerning Board Eads Compass station for data book W Fwds 8th Dist 11/2 N.O. 11/29 Fwds data W Fwds Yds & Docks 12/6	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

919-82
DIRECTION FINDERS: PORT EADS LA

1922

Number.	Date.	From or To—	Subject.
614575	3/24	To NO via Yds & Docks	establishment of radio compass station at South Pass Authd - Gives Action taken W S&A- Copy ction to New Orln. 3/27 W.
622079	5/6	To NO (T)	Authority to use Army station Port Eads eliminates need for Grand Island master W New Orln- Recommendations cov mast. 5/9 W To NO use of pipe masts appvd 5/29
625183	5/24	New Orln. (T)	Request auth to placed Burwood Station out of commission 5/31 / W.
628496	6/15	New Orleans	Reports returning radio compass receiver to Sperry Co for remodelling W To Comdt N Orleans- Receivers to be modified 6/1 W cc Wash S&A New Orln. 7/12 W

4—3381

919- 82

N. Eng. 134

DIRECTION FINDERS FORT EADS LA 1922

Number.	Date.	From or To—	Subject.	
632857	7/14	New Orln.	Request approval of requisition cov services of F. F . Gegan during calibration of station. W. New Orln 7/17 (T) Request ation. W To Comdt New Orlns- T Answer sent by radio checked by land wire. 7/18 W To Comdt New Orleans T Disappvd. Existing Radio Insprs sufficient for this work 7/17 W	
633628	7/12	New Orln.	Request shipt of small arms and ammunition to Burwood and Pass A Loutre be cancelled. W. and furnished to Port Eads. W Fwds rdn 7/28	
634386	7/23	8th Dist' Copy	Request permission to place station in commission 7/27 W.	
638407 card2				
638497	8/14	New Orln.	Report on calibration of Port Edes station. W. W	
638471	8/11	New Orln.	Report cov completion and calibration of Port Edes station. W.	

919-83

DIRECTION FINDERS) - GALVESTION STATION 1922

Number.	Date.	From or To—	Subject.	
647718	11/4	To 8th Dist	Proposed Statiob- contemplating establishment of- Reqsts sites be investigated 8 District 11/16 W Rb 12/15 W	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

[OVER.]

DETECTORS see RECEIVING AND SENDING SETS.

FILE No.	From or To— (Dated)	Subject.	

NB—0120

DISTANT CONTROL: RADIO. Tel. Radio.

1917

Number.	Date.	From or To—	Subject.	
211796	1-13	M. Is	Distant control for radio shore stations; fwds set of plans.	876

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

DISTANT FINDING, by radio.

1914

Number.	Date.	From or To—	Subject.	
116519	1/16	At. Flt.	Reports on use of radio during tactical problem No.36, excellent results in determining distance of TBDS attaching fleet.	493

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

DRAWINGS; ~~EZE~~ RADIO

1916

Number.	Date.	From or To—	Subject.	
198958	9-11	TO M.Is	Directs be renumbered according to radio coordination plan	830
198959	9-11	TO Phila	O'BRIEN; calls attention to discrepancies in marking of radio drawings	539-6
198960	9-11	TO Norf	Instructions for numbering of drawings	876
207078	12/2	To Atl Flt	Request copies of corres to Force Commanders re changes in standard radio install plans and in standard radio allow lists	876
207923	12/8	To NY	Radio Co-ordination plan; reqt status of stock of sheets of standard A AA and F seized tracing clothe held at NY for distribution; are contemplating changes in and do not want to purchase another supply	634
208920	12/8	M Is	Reports inaccuracies in drawings furnished by Fed Tel Co for 20 kw arc sets	876
			1917	
210714	1/6	To NY	In recording all radio drawing numbers, directs use alteration letter. W	876
211193	1-11	To Norf	Semi-monthly reports shoouldcontainm radio drawing number. Noenc on report of Jan 2.	876
213900	2-7	NY	Have received request from M. Is for F size sheets; request action on stock list submitted Feb 3, be expedited.	876

NB—0120

N.S.E. Form 134.

DRAWINGS: RADIO.

Number.	Date.	From or To—	Subject.	
218514	3/17	To Phila	Vandykes of all contrs prints should be fwded to NY for numbering under the co-ordination system and for distribution to various yards	876
221501	4-7	To Aero Sta	Semi-monthly report, not givendrawing No. Directs proper number be added to original and new prints fwded to all yards, ships, etc.	876
228117	5-12	NY	Reports forwarding F size sheets tracing cloth to Bureau.	876
232617	6-8	To Phila	Standard plans/ Lists drawings and reqts vandykes of. Instrns re fwding other vandykes to Bu.	876
238442	7-10	Wash	Fwds list of radion drawings for the French Commission.	652
292945	3/30	To Firms	Reqt comments on method of compiling radio drawings wich will meet fully needs of contrs/	876
310466	5/28	To Yards	Radio Tel-Adherence to N avy standard plans of radio equipment-Det instruction in re to.	878
310466	5/28	To Yards	Radio Tel-adherence to Navy Standard plans of radio eqpt-det instn in re to.	
			To Newport in re above 5/31	
			To KeyWest Ditto 5/31	
		New York 6/13	To Grt Lakes Ditto 5/31	876-
			To Pensa Ditto 5/31	
			KeyWest rqsts antenna dwgs be fwded 6/4	

NB—0120

[OVER.]

DRY TORTUGAS.

FILE No.	From or To— (Dated)	Subject.	
33202 3/4	Key West	PORTABLE FIELD SETS: recommends that abandoned submarine cable at:Dry Tortugas be exchanged for.	897--1
		1913	

NB—0120

RADIO

DYNATRON:

Number.	Date.	From or To—	Subject.	
351908	9/25	To Washn	Enclosedd copy of report on audion type as a DYNATRON W	898

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
410948	4/14	National Research	Fwds copy of report covering details as to eclipse wireless observation. W.	903
417021	4-26	Naticanal Res Council	Fwds copy of cable gram from Engr regarding proposed wirless test during solar eclipse May 29th	903

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.
543789	1/24	Pug.Sd.	Copy of letter to Supt Light Houses 17th Dist. submitting comments on use of tellometer. W
546910	2/3 2/16	Supt Pug.Sd. Nav.Communications	Operation of tellameter on light vessel 93- request instrns covering. W. fwd Commun 2-18 Pug.Sd. (T) Request action. 3/2. W fwd Naval Commun 3-8 RB 3-10 To Pug Snd re Opern of telemeter on light vessels 3/16
549270	2/25	Bur Light Houses	Report on range of radio beacons. W.
570398	6/17	Bur Light Houses	Demonstration on board TULIP 6/27- of radio fog signal station. W.
		1922	
622946	5/3 5/10	Dept Commerce JAG	Fog signal building on Beacon site- at Cape Henlopen - ask if station has been sold and demolished. W. Fwds Phila 5/13 RB 6/8/22. W.
CANCELLED See- 919-10			
623072	4/5 5/12	Internatl.Mercantile Marine Co. Hydrographic Off.	NANTUCKET light vessel should be equipped with direction finder. W. Fwds Navign 5/17 RB 5/27 W Fwds Bu Navign 5/5 To Dir of Budget (Asst Sec Sig) Fwds cc of comms on use of radio and sound apparatus as aids to Navign 6/5

4—3381

912

N. Eng. 134

FOG AND DANGER SIGNALS RADIO 1922

Number.	Date.	From or To—	Subject.	
649393	11/8	A.C.Webster	Rel to apparatus and signalling in heavy fogs W	

4—3381

[OVER.]

1918

SEE FOG & DANGER SIGNALS:RADIO.

Number.	Date.	From or To—	Subject.	
294725	4/1	DeForest Co	Radio-have set at Point Judith Recommends be inspected once a month.W To Newport--Submits above recommendations with action.4/10 To Newport--Gives action.4/10	
293847	4/2	To 2nd Dist	Radiophore at Pt Judith. Fwds description of. W 2nd dis--4/9 To Newport--5-3	
267465	SEE CARD 6		To Newport--Reqt confer with Inspr Lighthouses 3rd Dist re location of mast. 4/22 To Inspr Lighthouses 3rd Dist--Reqt have representative confer with B u representative re location of mast. 4/20 De Forest Co.- Request authority to remove radiophore. W 4-25 To deForest Radio -Auth given--5-1 De Forest Co. W 6-17 Dept Commerce-No objection to instal of radio appartus sig light. W To NY- R redseigning of for warning app - installn on Nantucket Light Vessel 85 12-9	
287465	6/15	To DeForest Co.	Asks if repairs at Pt.Judith Lighthouse been made. W 6/15 To Newport. Reqts. if radiophore at Pt. Judith Lighthouse is now in satisf. working condition. W 6/22	
332426	8/22	To Y&D	Encl. fwd. & approved. WR To 2nd. Dist. All-ts. amt. for maint. of sta. Surfside. 8/26	

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N.S.E. Form 134.

FOG & DANGER SIGNALS: RADIO

Number.	Date.	From or To—	Subject.	
352498	9:28	Sims Copy 5759	Asks if shipment of airplanes includes antenna reels, etc. W	
350649	11-1	To S&A	Reqts shipmt from Wash to Fire Island radio app be cancelled order of 9-21st S&A-Req copy of ship order 29th	W
		1919		
423087	7/11	To Newport	Reqst action be taken showing del of equip shipment order of 6/5/19 fog signal warning apparatus for installn on light vessels. W To S&A req ship from Newport to N.Y. fog signal apparatus 6/5 To Newport- req reply to SE letr of 7/11 To Newport 7:28 RB 8:4 fwd NY 8/5 R B 11-11 NY 1:22 1920 To 1M NY 2/10	7/28
449570	10:4	Bu Stand	Copy of let to Com in con with instal of transm stations along Chesapeake Bay for fog signals. W	
490739	4/29	Bur Light Houses	Re installing batteries on fire Island Light vessel #68 and Ambrose Channel Light vessel #67 in conn with experimenting in radio fog signalling; request NY be instructed covering. X 678 - W To Department Commerce- authorizes 5-1	

4—3381

[OVER.]

FOG AND DANGER SIGNALS: RADIO.

Number.	Date.	From or To—	1917 Subject.
262040	11/19	Lighthouse Service	Point Judith; request instructions relative to whether Navy shall furnish additional parts required, inview of fact that Navy has to take care of wireless outfit on the fog signal at Point Judith.W To--11/22 To De Forest Co--Re cost of extra fuses and spark plugs at Pt. Judith. 11/22 De Forest Co 11/22 De Forest Co 11/23 To De Forest Co--Bu has prepared reqn for material.11/30
263697	11/26	Sub Sig Co	Radimeter and radiophone used at Fire Island request copies of drawings and diagrams referred to in report.W To--NY will furnish.12/14 To--Fwds drawings telemeter.1/21
267465	12/12	Lighthouse Service	To De Forest Co--Reqt send engineer to Pt Judith Lighthouse. 4/20 Copy of letter to DeForest Co reporting radio phones installed at Point Judith.W To Newport--1/7 2nd nav dis--3/6 To Newport--Fwds copy of letter from De Forest Co.3/14 2nd dis-reports on repairs made to radiophone at Point Judith--4/12 To 2nd D ist--Directs send competent electrician to Pt Judith.12/18 To De Forest Co--12/18 To--12/18 2nd nav dis--12/31.
267107	12/14	To NY	Reqt for telemeter drawings of Fire Island Light Ships. Lists. W NY fwds drawings of the telemeter of Fire Island lightship 1-17
267412	12/14	To Lt. T.A.M.Craven	Set is first of its type to be used in this country to give fog warnings by radiphone. W
268886	12/20	DeForest Co	Copy of letter to T.A.Edison Co requesting that they instruct Newport rel to adjusting repeating device at Point Judith.W
281577	2-13	NY	Requests list of light ships on which distance measuring devices are to be installed W. (Telemeters) 678

SEE CARD 7

N.S.E. Form 134.

912-FOG AND DANGER SIGNALS:RADIO.

Number.	Date.	From or To—	Subject.	
269833	12/26	DeForest Co	Radiophore at Pt Judith-fwds report of representative recommends that Edison Co be directed to mfg parts of their amberole to be used at station.W	
		To Newport—(T) Directs send representative to Pt Judith. 3/30		
271138	12-29	De Forest Co	Submits estimate for repairing radiophore set installed at Point Judith.W	
		DeForest Co-fwds instrns.2/1.	To--Directs complete repairs. 1/7	
		To--Reqn being prepared. 2/23	Co 1-8	
		To--Vandykes have been rec'd.3/26	DeForest Co 1/23	
		Newport - DeForest Rep refuses on Point Judith29 - departed 30th	To--S&A will expedite payment.1/28	
		DeForest Co-Engineer will arrive at Port Judith 3-30.W 3-26	To--Directs repair apparatus at once.3/13	
273739	1-11	Wash	Invoices in favor of De Forest Co covering work at Point Judith; request payment be expedited.W	
			Fwd Wash--1/17	
274348	12/28	Lighthouse Service	Rel to payment of invoices of DeForest Co.W	
			Fwd S&A--1/18	
275397	12-20	H.E Whett	Request information on radio phone fog warning apparatus.W	
			To--Gives infor reqted.1/29	
281573	2-13	N Y	Telemeter distance measuring device - ask number of light ships to be installed on.	
			Fwd NY--2/25 - RB-3-1	
			To NY-- 3/15	
281577	2-13	NY	Request list of light ships on which distance measuring devices are to be installed. W (Telemeters)	678
282585	1/29	DeForest Co	Ask when ~~trnreqn~~ will be fwded covering repairs to Pt Judith radio division.	

4—3381

[OVER.]

FOG AND DANGER SIGNALS: RADIO.

1917

Number.	Date.	From or To—	Subject.
250341	9/11	Bureau Lighthouses (Personal) commerce Navigation	Re notice to mariners covering experimental radio fog signal at Point Judith; fwds amended copies.W
250951	9/24	Fwd Dept publicity	Reqt for permission to publish article "Radio a new aid to Navgn". Rec appvl. W
252366	10/1	Lighthouse Service	Instructions to put Point Judith Lighthouse to put into operation fog signal with notice to mariners, etc .W
253691	10/8	Natl Elec Sig Co	Radio fog signal, Point Judith; fwds report on.W To—10/13
254458	10/11	De Forest Co	Lighthouse set furnished Point Judith Lighthouse; states price quoted covered only the set itself; quotes price for accessories and request contract be amended to cover.W To—10/17 Co request contract be forwarded to them 10/23 Fwd S&A—10/30
255384	10/18	To Inspr Lighthouses Tompkinsville.	Operation of radio fog warning apparatus at Point Judith. Reqt make arrangements for Bureau representative to listen in. W To National Elec Sig Co—Reqt make arrgts for Bu representative to listen in.10/18 Lighthouse Service 10/20 Natl Elec Sig Co 10/22

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N.S.E. Form 134.

FOG AND DANGER SIGNALS: RADIO. 912

Number.	Date.	From or To—	Subject.
257072	10/26	Natl Elec Sig Co	Submits reports on messages heard from Point Judith on the Radio telephone warning installed.W
257593	10/30	To De Forest Co	Reqt send representative to Pt. Judith Light House to stop the variable tuning coils, which vary the omitted wave length. Also reqt install suitable resistances, and reduce the range to 6 miles.W DeForest Co--States will send representative to Point Judith.11/2.W
257843	10/30	Natl Elec Sig Co	Radiophone warning at Point Judith; submits further report on.W To--Acknowledges.11/3
258422	10/31	A Lavender	Point Judith Light House radio fog warning apparatus-submits report on.W
258834	11/5	Natl Elec Sig Co	Radio fog warning signals-Point Judith submits report-5 steamers have not heard.W To--Comments on.11/7
259216	10/29	Pug Sd	Request description of radiophone installed at Point Judith.W To--Lists information reqted.11/10

4—3381

[OVER.]

FOG AND DANGER SIGNALS: RADIO.

1916

Number.	Date.	From or To—	Subject.	
177800	2/1	NY	Outlines plan for fog signals, Fire Island and light ship	812
181808	3/16	NY	Fire Island Radio Station; necessary to purchase special clock movement in connection with apparatus at station and on light ship for fog signals,etc	812

1917

217083	3/14	To Wireless Spitzescope Co	M.Is. will arrange for any tests of radio apparatus. W	604
218335	3/16	To De Forest Co	Notes have completed details of lighthouse warning device, and have taken up question of obtaining more reliable disc for use with transmitter. Reqt further report. W	
224118	4/21	To De Forest Co	Phonograph disc for use with lighthouse warning sets. Re progress with work on. W Co Amberol looks more promising 4/18 DeForest Co Fwds print and description 4/28 W	
227748	5/10	Phila	Reports on inspectionof De Forest's telephone set forsending fog signals .W	

N.S.E. Form 134.

912 FOG AND DANGER SIGNALS: RADIO.

Number.	Date.	From or To—	Subject.
238311	7-11	Dept 704	Fwds copy of report of Board to convene for purpose of outlining plan for development and use of radio telegraphy for navigation purposes.W
238632	7/13	Communication Service	Quotes fr om Commissioner of Lighthouses directing cooperation of inspectors in connection with installing of radio equipment on lightvessels, for use as fog signals.W
239891	7/21	To De Forest Co T	States when Lt. Lavender and Mr. Haskel will leave NY for Wakefield and Point Judith.W To Newport—7/21 (T)
242094	8/3	Lt. Robt. A. Lavender	Reports on installation of radio for warning apparatus, Point Judith Lighthouse.W
245984	8/27	To Nav Com	Radiphone fog warnings apparatus. Installation at Point Judith ready for operation. W
246101	8/27	NY	Fwds drawings of fog signals.W
250162	9/20	To Nat'l Elec Sig Co	Reqt infor re utility of radio fog warning device such as is installed at oint Judith Light. W

NB—0120

[OVER.]

FOG SINGALS: RADIO. & DANGER SIGNALS. 1913

Number.	Date.	From or To—	Subject.	
105048	11/13	To NY R	Request revised estimates installation experimental fog signal radio apparatus Fire Island lightvessel.	898
110622	11/15	NY	Estimate for installing radio set on FIRE Island Light vessel in connection with testing for fog signals.	898
111704	11/25	Dept. Commerce	Approves expenditure for installation Experimental radio set on Fire Island Light vesset for test.	898
5958	11/29	Fowler, Geo. S. ✓ 11D	Bid of Leeds Forge Co. recommends decision be obtained re importing duty free and reqt that schedule be re-advertised.	706
✓ 112304	11-22	M. Is 12051	Spitzescope; fwds corres showing inability to secure apparatus from Mr. Spitz for test.	W
113529	12/26	To S&A	Bellini-Tosi radio direction finder, reqt shipment from NY to Wash. of two sets, purchased from Marconi Co. cont 75	898
117376	2/3	Rice, B	Suggested scheme for signalling in fog with whistles.	711—4

N.S.E. Form 134.

1914

FOG SIGNALS: & DANGER. 912

Number.	Date.	From or To—	Subject.	
119798	3-5 and 9 3-11	Steiner, Chas.R. Dept	Scheme for fog warning signals by use of radio combined with whistles.W To---comments.3/16. Steiner, further 3-18	
121215	3-19 3-30	M.Is 3042 Dept	Wireless Spitzescope; ex-representative of S. Spitz claims claims apparatus was sold to British Naval Attache (Capt Grant) who arranged sale under assumed name.W To M.Is.comments.4/6. Fwd Dept.4/7 M.Is.5/8 fwds corres.with Blum offering to manufacture.W	
125649	5/15	NY	Steinert Fog signal device; unable to secure apparatus, and replies to letters re test of.W Fwd NY 5-26	
127538	6/1o1	NY	Installation of an experimental set on Fire Island Lightvesselfor testing out fog signals for Lighthouse Board. Revised estp	898
140554	11-16	Campbell, R.	S.Spitz apparatus; for fog signalling; asks if any truth in Gonv purchasing for $3,000,000. W	
			1915	
145313	1/12	NY	Relative to arrgts for test of Fire Island with Ambrose Channel light ship for fog signals	812
170208	11/2	NY	Reports on tests made Fire Island and Ambrose Channel Light Vessel in connection with fog signals	812
171705	11/19	To Phila	Director indicators for ships; auth experimental work with Bellini-Tosi receiver to provide means by which an enemy's approximate bearing can be ascertained	898

NB—0120

FOG SIGNALS: WIRELESS: & DANGER SIGNALS 1912

Number.	Date.	From or To—	Subject.	
74683	7/31	NavlIntel.	Reports on establishment of radiophares in France for use as fog signals.W To-Nav.fwds report 8/1	
			1913	
89982	2/5	NY	Ries Bound detecting and locating & signalling apparatus for use in fog.	711
97385	5/14	Bu. Light Houses	Reqt information re Bellini & Tosi direction finders in connection with fitting light stations with Fog Signals.	898
97919	5-5 5-20	NORTH DAKOTA At.Flt	Recommends certain stations along coast be equipped with radiophares for use in navagating during fog. W Fwd Dept.appd.5/26. RB 6-13 appd Fwd Dept.6/16.	
98135	5/26	To Atlantic Comm.Co.	Telefunken wireless compass: request quotations and descriptive matter.W	
98493	5/29	Atlantic Com.Co.	Fwds photographs and gives description of their wireless compass for use as a fog signal.W To--Ack.5/31.	
99389	5/29	Commerce, Dept.	Reqt Navy co-operate with Light House Service for testing out direction finder for use as fog signal.	898

N.S.E. Form 134.

FOG SIGNALS: (L" 912

Number.	Date.	From or To—	Subject.	
99833	6-9 6-18	Spitz, S. Dept	Fwds clipping describing his radio invention for use during fogs. W To---(For Secy's sig.) Ack.6/19. To M.Is.directs investigate device.6/19. M.Is 7-24 To M.Is--Take up with Spitz re test of appratus called spitzescope 8/8/18	
100624	6/25 6/30	Dept Commerce Dept.	RECEIVING & SENDING SETS; Re joint experiments between Navy and Light House Board with direction finder to test out value of fog signal.	898
103965	8/15	Dept.Commerce	Recommends using North Hook Beacon in lieu of Ambrose Light Vessel for testing out fog signal.	898
105048	~~NY~~ 9/4	NY	Estimate for establishing radio signal at North Beacon, Sandy Hook for experimental work with Dept.Commerce.	898
105383	9/5	Commerce	Recommends use of FIRE ISLAND light ship for testing out direction finders in connection with fog signals.	898
106305	9-13 9-23	Kelway, C.E. Dept 26840-2019	Sound locating system for transmitting signals during fog, same to be received on radio apparatus installed on ships.W TO -- instructions 9-26	
108403	10-10 10-20	Kelway, C. E Dept	Fwds additional data on above. W To---(For Secy's sig) 10/23 To Interior Dept.forwards letter.10/24	

NB—0120

[OVER.]

FOG SIGNALS: WIRELESS: & DANGER SIGNALS

FILE No.		From or To— (Dated)	Subject.	
32947	3/3	Lowenstein, F.	Fwds prints of hand generator for use with. W	
37192	4/26	Navgn	Asks if signals can be sent from Light ships during foggy weather publishing current observations.W. Fwd Narr.Bay for comment.4/28. RB 5-12 Fwd -- 5/13.	
43626	7/7	BIRMINGHAM	Suggestions for arranging spark gaps of wireless to enable estimate of distance from other vessels in fogs. W To -- Bu will approve rean for material for two expermental fog signals.7/17.	
46556	8/15	Naval Intel	Submits articles on stations to be established by foreign governments for transmitting messages in time of fogs. W	
			1912	
66691	4-18	Hazelton, Dr. I.H	Suggests ships send wireless messages while in vicinity ice bergs: will be refracted back to ship as warning.W To. No information on subject. 4/23	
68688	5-11	Weather Bureau	Observations sent out;will correspond direct with Radio office S.E. in order to expedite.W	
68689	5-11	Weather Bureau	Thanks Bureau for instructing West Coast Government sireless stations to forward Weather observations to Portland and San Francisco Weather Stations. W	
73682	7/11	R.C.Douglas	SIGNALS, fwds photographs, etc. of his fog light machine for signalling through fog.	711

NB—0120

FOREIGN SHIPS ETC 1922

Number.	Date.	From or To—	Subject.	
638299	7/18	Naval Intelligence	Submits description of new Navy radio sta at Madrid W	
639567	8/4	Naval Intelligence;	Report on radio station installed by Japanese Navy in Manchuria. PW.	
654393	12/19	L.W.Austin	Submits report on radio condition in Europe in 1922 with various pamphlets, etc. W	
654487	12/20	Bu Stands Lab	Fwds description and specification for directional recorder have atmospherics. Fwds research Lab 3/16	W

N. Eng. 134

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
608065	2/8	To Radio Corpn of Amer	Reqst report on static and communication conditions in G.H clark Co W Radio Corpn of America- Will fwd report from Clark rel to static in Venzuela 3/23 W Radio Corpn of Am 6/1 fwds cc of rept submitted by Clark on conditions in Venezuela W
611432	2;28	To PCCS	Interference by Iwake Station in connection with copying of Cavite traffic by Yerba Buena.W PCCS- Comments on interference 4/3 W PCCS- Comments on interference 4/3 W
617150	4/5	Memo to the Dept	Polish Government's Repsentatives have indirectly approached Dept rel undertaking test of high power radio equipment under manufacture by GE Co for Instln in high power Radio Station under Construction at Warsaw. Polish Govt willing to pay required expenditures covering tests- Reqst instructions C cross 652 Dept of State 4/12 Fwds application from Polish Charge de Affairs requesting assistance on inspection of radio apparatus W To Hon Sec of State (Sec Sig)-- Gives Inform 5/3 Dept State- Transmits copy of letter from Polish Govt. 6/22 W To GE Elec Co-Fwds inform 6/30 W
617574	4/12	To Inspr mat GE	Inspection of radio equipment for Polish Govt at Warsaw W Inspr GE- 4/21 - 40% of complete equipt under contract remains to be inspected. W.

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FOREIGN SHIPS ETC 1922

Number.	Date.	From or To—	Subject.
622336	4/29	Paris Copy	All Austrian radio stations have been offered for sale to the German Elec. Co.P 652
626825	5/13 6/5	Naval Attache Rome Naval Intelligence	Report cov non receipt of radio messages by San Paola station. W.
627416	6/9	Naval Intelligence	Quotes Canadian law rel to amateur receiving outfits and fee which must be paid. W. 914
627841	6/15	To Radio Corpn of America	Report on the conditions in the Republic of Venezuela has been recd- Fwds same W
629329	5/23	Spec Sev Sqn	Report covg installation of radio sta at Tegucigolpa by tropical radio Co W

Number.	Date.	From or To—	Subject.	
600512	12/21	To Benjamin F Tillson	special calling system for use with radio telephones has been developed by American Telephone & Telegraph Co of Nycno books available W	
600783	12/21	To Bu of Standards	Assignment of Radio Research Problem- Gives Action taken W	
~~600789~~	~~12/19~~	~~To Hon Elihu Root (See sig)~~	~~Regst navy be al owd to outline stgn ont policy for Internation Radio Comm with particular situation in Pacific and Far East W~~	
600789	12/24	To Yds & Docks cross--920	Failure of guyed mast at the Lyons France Radio Station- Quotes from report of visits to Stations in Europe- W	

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FOREIGN SHIPS ETC. 1921

Number.	Date.	From or To—	Subject.	
601557	12/24	To office of Naval Intelligence	Newspaper comment on Development in Russa Gives instrns W	
		1922		
603513	12/17 1/7	N.Y. S& A	5 KW armature for Ensenada - recommends South Porto Rico Sugar Co. be reimbursed. W Fwd S&A 1/12	
605812	?	Dr. L. W. Austin	Detailed report on radio development in Europe. W.	
608077	10/25	Lt.Cdr. E. H. Loftin	Report on visit to radio stations and plants in Europe. W.	
607503	2/4	To Bu Standards	Fwds cc E H Loftin's report of visits to Radio Stations and plants in Europe Oct 25/21 W	

Number.	Date.	From or To—	Subject.
543612	?	Commonwealth of Australia	Request inform on radio telephones abd static. W.
553338	3/28	Pacf. Fleet	Fwds copy of intelligence report rel to reception of radio signals in Chile, fwding tracing. W. Fwd Bu Standards 4/2 RB 4/14 W.
563040	3/5	Nav. Attache, Japan	Report covering completion of radio station at Sasedo. FW.
563039	3/30	Nav. Attache Japan	Radio plant now being installed in Marshall Island by Japan. FW.
563038	3/30	Nav. Attache Japan	New radio stations are to be established at Tsing Tau, Vladivostok and Teinmaura. FW.
586354	9/16 9/20	Naval Intelligence DNC	Reports on carbon & alcohol consumption at Japanese Radio station Iawki W Fwd Dir Intelligence 9/23

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FOREIGN SHIPS ETC 1921

Number.	Date.	From or To—	Subject.
3 589123	10/6	Comacho Roldan & Vansickel	Request assistance in establishing radio relations with a station in the Southern part of United States. W. Fwd Dir commns 10/11 Comacho Roldan & Van Sickel-Rqst action 10/17 W Fwd Dir Communications 10/21 To Camacho Roldan & Van Sickel- Gives Action 10/21
593659	11/2.	To Radio Research Lab	Translation of article on Mexican telefunken Station Chapultepec- Gives Instrns W Bur Stand Labr. 11/4-Article not of importance W
597870	11/28	Nav. Intelligence	Fwds information recd from Naval Attache Peking, rel to radio stations in Japan. W. Fwd Director of Naval Intelligence via Yds & Docks 12/10 Y&D-Copy action to Nav. Intelligence-12/15 W
598089	11/30	N.Y. Copy	Radio East Hampton, will be controlled by Wireless Tele.Co. W.
600225	12-16	To State Dept. (Secy Sig)	Relation of Radio Corporation of America to the communications of the U.S. and its position relative to communications in the Far East. W Memo for Dept Proposal of Radio corpn of America as to Communication in China 12/13 W State Dept- Acknowledges letter of 12/16 W

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FOREIGN SHIPS ETC

Number.	Date.	From or To—	Subject.	
486414	4/1	Republic of Nicaragua	Request data on radio outfits in operation in Nicaragua, in conn with purchase of apparatus from De Forest Co. for Govt. Sta. fwd Comm 4-9 To A.F. Lindberg Agt.- refers to Comm. Suggests comm with firms listed 4-9	W.
486491	4/5 4/8	U.S. of Venezuela Communications	Request information rel to apparatus supplied by Wireless Imprvt Co. To P.R. Rincardo- Lists firms supplying 4-12	W.
489648	4/20 4/24	State Depart Y&D	Fwds copy of cable from McGoodwin stating American companies that desire to subm bids for construction of wireless stations should file bids by 6/30. To Radio Corpn of America - Fwds copy of cablegram to State Dept. by representative Caracas rel constrn radio tele station. 4/28 W To Wireless Spec.Appr.Co.- Fwds copy of cablegram to State Dept. rel radio station 4/28 W Radio Corp of America - 4/29 - W	W
490820	4/30	Naval Intelligence	Japanese have just finished erecting new wireless station in Manchuria - W To Radio Corpn of America- Quotes text of report recd, rel to formation of new Co by Jananese Financiers. 5/6 Radio Corpn of America- 5/8 W.	
509537	8-7	To Washn	Reqst sfor shipt of arc carbons fro Dept of Naval Service Canada. W copy Comm V.N.C.-copy-message, to Edwards-no date	

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Number.	Date.	From or To—	Subject.	
501117	6/10	Canadian Nav.Service	Calls attn to change in wave length at Canadian F. F. Stations. W.	
446503	from 48	Dept of State- Have instructed representative of State Dept at Havana that Navy doesnnot deisre to acquire radio towers and equipt offered by Cuban Govt. 6/24		793-8
506884	7/19	War Dept	Fwds clipping from Liverpool on scheme for an imperial wireless chain. W. To Intelligence- reqst copy of report of Sir Henry Norman Wireless Tel Com covering proposals for Imperial Wireless Chain about 2000 miles long. 7/23 Naval Intelligence- Fwds British publication entitled "Imperial Wireless Telegraph Committee". 9/18 W.	
508116	7:27	War Dept	Fwds photostats of article regarding proposed wireless systems in British Empire.W	
508116	5/18	A. O'Brien	Subm outline of plant to put London in direct touch with all important centers of British Empire. W.	
C13727-198	1/5/21	O.N.I.--Eng	New Site chosen for Wireless Station at Vancouver, B. C.	

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[OVER.]

FOREIGN SHIPS: ETC

Number.	Date.	From or To—	Subject.	
473030	2/2	To Director Naval Com	Proposed establishment of high power radio station by British Marconi Co near Puget Sound Wash. Bids have been reqstd from firms covering erection of steel towers for use. W Communications- Subm report of 13th Dist.	3/8
475626	1/16	Europ Forces	Fwds copies of bulletins of Institute of Elec. & Radio telegraph Engineers and description of German radio station, Nauen. Also description of receiving apparatus used in Italian Navy. W	746
477293	2/20	To Wireless Spec Ap Co	Suggests communicate with Robert Dollar Steamship Co. as regards wireless appr for Chinese Navy. W To Fed. Co ditto 2/20 To Radio Corpn. ditto 2/20 Radio Corpn of America 2/21 Wireless Spec.Appr.Co.- 2/24 Fed. Telegraph Co - 2/27	
479863	3/3	Radio Corpn	Proposition for station in Poland. To Polish Ministry- in re to above 3/6 To Radio Corp- advises have taken up with Polish Ministry 3/6 To Y&D- calls attention to encl. 3/8 Radio Corpn of America 3/8	W

Number.	Date.	From or To—	Subject.	
480009	3/5	Argentine Mission Copy 652	Representative of radio Corpn. too busy to worry about sale of equipt; are assisting French General Co. to prevent sales by Germans.	W
480432	3/3	13th Dist	Fwds clipping from Seattle Post Intelligencer in conn with increasing radio service after March 1st.	W
480719	2/13	Europ.Forces	French radio publications on "Radio Communication" - Fwds. To Laf. reqst copies 3/11	W.
481534	3/13	Naval Communications	Fwds radio telegraph notes recd from Naval Attache Paris - W fwd Comm 3/31	
485364	4/2	Brazilian Nav.Comm.	Copy - Telefunken Transmitting equipt has been sent to Beunas Aires for demonstration; their engineer will present plans. Chile High power radio station within one month. To Radio Corpn. fwds copy telegram 4-13 Radio Coprn of America 4/15	W.
486322	4/8	Nav. Intelligence	"Oriental Radio" by Howard S. Pyle; rqst permission to publish. To Intelligence- no objections 4-8	

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FOREIGN SHIPS: ETC.

Number.	Date.	From or To—	Subject.	
414766	4;1 4;21	Chicago Pacific Fleet	Radio operating conditions at Rio de Janeiro, report covering. To Com- Fwd. 5;2 RB 5;6	W
414767	5;2	To Com	Fwd. conditions at Uruguay RB 5;6	W
416923	5-9	To European Forces Tel	Fwds written description Ge rman Radio Stations at Nauen and Eilvese period same should cover technical characteristics as completely as possible W	
440876	8/20	Dept	Copy of let to Dept State stating cannot grant permission to extend hours of test between Marion and Norwegian station at Stavanger. W	903
442450	8;21	Dept State	In con with wireless com between U. S. Venezuela.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
442795	8;29 S&A- Copy S&A- Copy	Com of action to Wash. 12/4 of action to Miami. 12/26	Sub let from Superintendent Tel Nasau Phomas, reqst infor radio tel. W fwd Com 9/5 Comm. 11-25 Fwds ltr from Supt of Telegraph Dept Bahamas in conn with purch of radio app. fwd Wash via S&A 12/3 cc to Com and Miami To PE Burns- shipt reqstd 12/4	
445221	9-10 corresp with Belgian Govt in conn with- S	Lt Comdr Sweet Fwd	Belgian Govt. Establishment of intercommunicating radio service with U. S. Copies of correspondence conducted with State Dept and Belgian Govt by Mr. Sweet's direction. To Administration of Tel & Tel-Belgium-Relative to estab of high power station in Belgium? 10.27 To Naval Intel-Bu prepared reply to the correspondence of Belgium Gov. 10.27 Naval Intelligence 11-21 Fwds original	W
446738	9;13	Polish Republic Fwd.	Construction of high power station at Warsaw, asks assistance of U. S. To gives figures based largely on erection of station Laf 9/22 To I&D- rel to erection of station in Poland 11/21	
457009	11/7	Naval Intelligence	Subm article appearing in Journal de la Marine in conn with progress of radio telegraphy during the war. W.	
458968	11/19	S&A	Fwds correspondence in conn with bids invited by Venesuelo for Wireless Sta. fwd Com 11/25	W
463885 To	12/15 - Reqts fwd	Nav. Intelligence lectures. 12-19	Fwds register number 1265, regarding radio telegraphic instructions.	W.

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FOREIGN SHIPS: ETC.

Number.	Date.	From or To—	Subject.
384746	1;17	Sims Copy 3992	No experiment with lower frequency has been made. W To Sims- (T) Ascertain lowest frequency rectified alternating current possible plate circuit input high power tube transmitters used British battleships advise 1-13
385976	12;30;18	Fifteenth Dist	Req an allowance for Puta Mala Station for last two quarters of fiscal year, sub for approval. To---- Auth allowance $1900.00 for maintenance 1-29
388114 OVER	1;13 1;23	Dept of State Com 743-8	Fwds copy from Cuban minister, req authority to cancel order for six out of twelve radio stations. Fwd Comm via Y&D 1-31 To S&A req ship from Brook to Havana Cuba radio insulators 3-21
389314	1;27	Post Copy	Req instruc forms etc. in con with operators license forPhilippines Isl
377280	FROM CARD 8 Dupl		To Balboa (T) Antenna leaving Fleet Supply Base Brook via LAKE WILSON - 2/18 To---States engines gen, left at Nor. 2/19 Balboa-Tel-Cannot secure release of antenna shippers. 4;10 S&A-Copy of endorsement to 15th Dist directing turn over antenna to Dist Com Officer. W 4;18 RB 5;28

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Number.	Date.	From or To—	Subject.	
~~399122~~	3-3	Department (Wrong Entry - See 787-9)	Copy of telegram to Cruiser Force stating 12 German ships will be converted into troop transports and operated by Navy for Army Account - A	
399167	3-2	Brazilian Naval Attache F.Nr-US-	In conn w possibility of radio stations in Brazil recvg direct messages from France about proceedings of Peace Conference - W fwd Communications 3-5	
388114	OVER		State Department- 3:31 - Com 4:3 - Fwds copy of letter from Cuban Minister stating that Government has decided to accept arrangement proposed by Navy. W To S&A- asks location of mis sing tran & receiver and show del to Havana 4-9 TO Y&D-Radio sta ordered by Gov Cuba. 4:28 Com 5:26-Fwds let from State Dept in con with. To Y&D- fwds under cog of 6-20 Naval Intel-Advises of infor. rec from Cuban Gov as to ship instruc. L 6:24 To Naval Intelligence- order for shipment of gen sets mfg by Westinghouse Co for Cuba 6/28	
414767	4:1 4:21	CO CHICAGO Pacific Fleet	Radio operating conditions Uruguay, report cov.	W

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FOREIGN SHIPS AND STATIONS.

Number.	Date.	From or To—	Subject.
283727	none	Tel Dept of Bahamas Is	Ask approximate cost of 1/2 and 1 kw outfit for installation on a small adjacent island. W To Domestic Eng Co--Reqt fwd literature.2/26 To--2/26
283997	2/21	Marconi Co	Reports establishment of ?? station for transatlantic service near Scavenger. ToAcknowledges.2/25
287710	3/9	Marconi Co	Quotes from London stating Stavengar will transmit on certain dates - request report on strength of signals - W
309568	5;22	Naval Communication	Fwds report from Dutch radio receiving sta. W
313536	6-4	Nat'l Research Counsel	Ask if possible for Bureau of Standards to look over British Wireless Manual in possession of Bureau in connection with preparing manual on radio instruction. W To Natl Research Council- Impossible to fwd these publications-6-6
329241	7;20	Ordnance	Fwds copy of British confidential publication, report of Naval Torpedo School for 1916 W To Ord. Ack. rect. of copy of Brit. Conf. Publ. 7/25

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FOREIGN SHIPS AND STATIONS.

Number.	Date.	From or To—	Subject.
337682	8;14 To Dept 8;23 received back 9;4	Fed Tel Co	Japan has reqst quotation on arc radio apparatus, evidently intend to construct a high power station in Japn, reqst cinwtructions relative to submitting specifications. W To Secnav. Fwds. letter from Fed.Tel. Co.8/23 To---- Quotes let.from Secnav. 9/5
339704	8/23	To S&A	Reqts. shipt. of radio apparatus from Wash. to & for Canal Zone. W To S&A,rqst inform re shipmt radio apparatus,11-25
33			
351638	9;24	North A & West Ind	Will allow Major Cheesman to inspec and make drawings of rec equip. W H Clark-Fwds report 9;30
351630	9/25	To Comm. FC	Reqts. permission to comm. direct by Radio between the British Ship & British Station at Jamaica. W To Expert Rad.Aid. Travel orders.EM/9/24
352917	9/24	War Dept	Confidential report coverg wireless condition in Mex sub by rep of Pan Amer T&T Co W 867
352917	9-28	To Milit Intelligence	Rqsts report on wireless conditions in Mexico be kept confidential, W
362764	10;26	7th Dist Copy	Sig station at Sande Key taken over from weather bureau, req action in connection allowing British counsel to rec daily rep. W

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[OVER.]

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Duplicate 8

FOREIGN SHIPS: ETC.

Number.	Date.	From or To—	Subject.
354155	10;3	Com	St John's radio station, fwds report on result of receiving. W
351360	9;27	Marconi Co	Old Number - See original G.H.Clark Sept. 29 Report of test of British Arc
358786	10-16	To Vice Ad Grant	Reqts permission for men listed to inspect radio sets on British ships W
365012	11-4	To Sims (T)	Reqt data by desph as to heights or radio mastw on British andGerman Subs W
367767	11-12	To Sims (T)	Rqst info re radio equip all types German ships when ships are available, W
377280	12;13	Balboa	Cancel order for pumps for Panama station if not already ~~expedite~~ shipped, req authority to spend additional sum for water sup. W

To--- (T) 10217 Have engine generators arried. Is complete equipmt Cape Mala now available 123-30

To NY - (T) Report engine on which engine generating sets fwded canal zone 1-2

N NY-Engine generator fwd to Canal Zone. 1;6

To--17013. Deep well pumps left NY 2 engine generators leave next vessel. $3000 construct dam authorized. W.

Balboa-Asks when engine generator and antenna may be expected. 12;31

Balboa-Engine gen and antenna for Puta Mala. 2;16

1/4 To,New York Refer Busengz 16008 supply officer reply requested urgent.

Fwded S&A 4-16

4—3381

to card 9

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1918

N. S. E. Form 134.

FOREIGN SHIPS ETC

Number	Date.	From or To—	Subject.	
377365	12-14	To Sims(T)	Expedite fw ing report of Lt W.M.Blumenkranz on British radio in Grand Fleet	W
379233	11;23 12;3	CO Olympia European Force	Report on Russian Tel station.	W
377363	12-17	Sims (Copy 2904)	report fwded to Bu. for correction	
381059	12;26	Dept of State	Sub name plate data cov station radio transf. To F Lowenstein (T) Require 2 secondary coils for Lowen transformer-Asks price and delry 1-10	
384382	1;11	Lt W M Blumenkionz	Sub report on apparatus operation progress etc. of radio transm for ground fleet. W	

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[OVER.]

FOREIGN SHIPS AND STATIONS; 1917

Number.	Date.	From or To—	Subject.	
211286	1-9	ELectrose Mfg Co	Fwds printed matter and copies of negotiations withMexican Govt for furnishing insulators for Mexican radio stations.	911
211714	1-12	R. Crane, State Dept	Fwds Corres with W. S. Rogers relative to Govt equipping stations for commercial busines between Pacific Coasg and Orient.	895
227491	4/27	no source	Gives list and description of radio stations in Cuba.W	
227508	5/10	To S&A	Russian Naval Attache reqts radio set for steamer IRTYSH. Reqt action be taken to furnish. W	
233636	4-30	Asiatic Flt	Fwds report on Japanese radio dash and duck code; flt rec that Liet. Craven be commander and notation made on his record.W	
235884	6/3	S. R. Kear Personal Commandant	Relative to proposed station at Cape San Antonio, Cuba, United Fruit Co and station being erected by Cuban government.W	
243159	8-10	To Navy Com	Fwds copy of letter relative to German activities in radio in Buenos Aires.	787
254327	10/11	Communications	Request information as to stations in Spain equipped with Marconi rotary discharger, in connection with deciphering intercepted suspicious messages.W	

N.S.E. Form 134.

881: FOREIGN SHIPS AND STATIONS.

Number.	Date.	From or To—	Subject.
262230	10/24 none	Lieut Paul H.Bastelo Sims	Submits report on the Royal Naval Signal School at Portsmouth,England, with data on radio apparatus used by British Navy-sketches showing installation,etc.W European Forces fwds report on visit to Royal Naval Signal School; fwds specifications and data secured 12-14 European Forces 1/26
271739			Fed Tel Co 1-8
274354	12/31	European Force	Curves for use in radio work showing H.S. Micajars (British System) corresponding to various wave lengths meters-fwds.W
274357	12/31	European Force	Valve sets and auxiliary radio sets used on ships of the French Navy-fwds description.W
278251	1/31	Communications	Fwds copy of letter from the American Consul at Azores regarding installation of a new radio plant by the British Admiralty at St Michaels - W
283012	2-19 SD- Asks Gov with	San Domingo copy if can sup Dominion antenna -Tel-2;19	Ask if possible to furnish Dominican Govt with antenna, etc. To--(T)Bu will supply antenna.2/23 SanDomingo - antenna should be consigned to Government on nickel bridle - 2/25 To NY--Directs ship antenna to.2/27

NB—0120

[OVER.]

FOREIGN SHIPS AND STATIONS: "DUPLICATE"

1915

Number.	Date.	From or To—	Subject.	
155394	5-19	To NY.	Test of radio set belonging to Mr.Fritz Lowenstein for Consular Agent of Guatemala; investigate and submit report on. W NY recommends proposed test 5524 To Colon-(R)Gives schedule for test.5/25 To-- Appvs schedule· 5/25	
		Crenshaw reports on 6-2 NY recom NY gives wavelength 5-26 accept 6-2 Darien will not send 27-28-29 5-26 To NY--Asks schdule. 5/27 NY 5-27 See below		
155480	5/18	State Dept	Fwds copy of letter of thanks from Minister of Guatamelan in connection with inspection of wireless apparatus.W Fwd Dept-- Noted· 5/22	
155962	5-25	NY	Reports on vest of Lowenstein set for Guatamelan Govn.W To--Reports test fwd June 1. 5/2	
155394	See above.		To Colon--(R) Lowensteins test; gives schedule for. W To NY-- Ditto· 5/28 To NY--(R)Has test bee made with radio set and are results satis. 6/1 Fwd NY-- 6/1 RB 6/5	
155762	6/3	NY	Guatamela radio set; fwds copy of corres; report of tests already completed; reqt that Canal Zone, SanJuan and Guantanamo report on results those stations by radio.W To--Gives results of test as rec'd by Darien. 6/8	
171231	9-28	Tutuila	Reports on German stationat Apia captured by British.W Fwd Dept-- 11/22	
			1917	
2112286	1-9	Electrose Mfg Co	Fwds printed matter and copies of negotiations with Mexican Govt for furnishing insulators for Mexican radio stations.	911

NB—0120

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FOREIGN SHIPS AND STATIONS 881

Number.	Date.	From or To—	Subject.	
174613	12/15	Canal Zone	Cartagene Station, Columbia; equipment; Telefunken; fwds description. W To Supt Rad Ser-- Fwds. 12/28	
			1916	
178822	1-23	Nav Intel	German Navy Battle stations; fwds description. W To Fleets & Rad Ser--Fwds copy of. 2/12	
187526	4-13	Asiatic Fleet	Battle radio station; German ships better located than US; aerials equal to German. W	
190510	5-16	Asiatic Flt	Confidentail report on Japanese radio Navy ahore and ships stations. W To--Ack receipt of. 6/15 Fwd Dept--Recommend Lt. T. A. M. Craven be commended for report. 6/17 RB 6/22--commendatory letter written to Asiatic Flt and copy placed with officer's record 6/22	
203838	10/28	Austin, Dr. L. W.	German radio stations, Nauen and Eilvese; quantitative measurements of signals	903
205062	11/6	Operations	Radio station, San Domingo; copy of instructions to senior officer present to detail Navy personnel to operate	493
204981	10/26	Pac Flt	Report of radio communication West Coast Mexico and Central America	494

NB—0120

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1913

Number.	Date.	From or To—	Subject.	
100158	6/5	American Emb.London	British Paulson Co. have sent engineer to make test, will remove apparatus from US after tests are completed.	903
101230	6-30	Marconi Co.	Fwds report of the British committee on radio stating that marconi systems only one suitable for Great Britains chain of wireless where efficiency of work over dstance of 2000 miles is required/ W	
105566	9-1	DENVER	Reports on radio condition around Corinto, Nic. and on proposed establishment of station by that Government at Managua.W. Ref. Supt. 9-16 RB 9-16	
111700	12-1 12-2	State Dept Dept 12479-198	Fwds reports from Consuls on radio stations in South America.W Fwd Supt Radio.12/3	
112308	12-8	Austin, Dr. L.W.	Nauen station; Arlington was furnished with sending schedule but has been unable to detect signals. W	

1914

114388	1/7	Nav. Intel	Honolulu radio station, proposed, asks power, range, etc. for Naval Attache Paris in connection with French station at Tahiti.	815
115760	1/22	Galletti	TESTS, gives wave length,etc, for test with ARLINGTON.	903

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FOREIGN SHIPS & STATIONS: 881

Number.	Date.	From or To—	Subject.	
116325	1-24 1-29	State Dept Dept	Japanese Government has appropriated $200,000 to improve communcation, Radio, between Japan and Hawaii. W Fwd Nav Intel via Supt.Radio.1/31.	
119335	3-6	Arlington	Radio station of Universal Radio Syndicate atNew Castle New Brunswick, Fwds print. W	
120237	6/16 6/25	State Dept Dept.	Fwds letter from British Embassy reporting visit of Lt.Comdr.Hepburn to station New-castle.	632
139435	11-12	Austin, Dr. L.W.	Reports on European stations, apparatus used in Navies in connection with his trip abroad.W PO Office supplies data England 7-24	
140963	10/19	Dept.	Fwds amendment to radio telegraph regulations as issued by Canadian Government.W	914
149702	3/2 3/15	State Dept Dept	1915 Guatamalan Radio Station; reqt authority to carry on acceptance test with a U. S. station at Colon.W Fwd Dept--Recommendations. 3/17 RB appd 3/19 Fwd Dept-- 4.24 RB 4/27 Fwd Dept-- Noted. 5/22	
153109	4-22	Dept State	Guatamalan Radio Sta; Reqt Navy inspect radio apparatus purchased in this country at works of manufacturer. W Fwd Dept-- 4/24 To--(Secy's sig) Dept will make arrange-ments for test of. 4/24	

NB—0120

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FOREIGN SHIPS & STATIONS

1913 ~~1912~~

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Number.	Date.	From or To—	Subject.	
93517	3/13	Dept. of State	British Govt. requests co-operation of U.S. in carrying out radio tests across the Atlantic.	903
93606	3/28	To ARLINGTON via Supt.	Desires permission be granded Mr.T.R.Lemke, Amn rep. of Goldschmidt high frequency system of radio-telegraph, to carry out tests at ARLINGTON in receiving signals from station, Hanover, Germany, Mar.30-31st.	903
97086	5/12	To Dept.	Radio tests in co-operation with British Govt. calls attention to correspondence had in February. Bu. has received no further information as to any arrangements.	903
97414	5-15	Marconi Co.	Fwds report of Committee Eng.House Commons on Long Distance Wireless Telegraphy.W To---Ack.receipt.5/16	
98036	4/30	Count Arco	Personal letter to Dr. Austin relative to test between Nauen, and ARLINGTON, gives results of recent tests by GERMAN GOVT. and commercial firms.	903
94928	4/15	Austin,Dr.	Summary of test on arc & Spark apparatus between ARLINGTON & SALEM. To-Dept. fwds copy, recommends be furnished to BRITISH Govt. but that no further publication of same be made 4/15.	841

NB—0120

N.S.E. Form 134.

FOREIGN SHIPS & STATIONS. 881

1913

Number.	Date.	From or To—	Subject.	
98202	5-21 5-26	At.Flt 923 Dept	States Atlantic Communication Co. Station at Sayville, L.I. can and probably does intercept all of fleets official messages including those in code; thinks probably that German Navy is stationing officers at station to get intouch with method of signalling, code, maneuvering of fleet,etc. Recommends officer be detailed to act as censor for station or that Germany allow US to erect similar station in Germany. C Fwd Supt.Radio.comment.6/2. Fwd Supt Radio.comments.10/13	
98363	5/20	State Dept	Test with GREAT BRITAIN, have communicated with British embassy re definite arrangement	903
98386	5/22	Federal Tel Co.	Gives reasons for objecting to test of Paulsen apparatus at ARLINGTON, for BRITISH Govt.	903
98597	~~5/27~~ 6/2	~~Mrie.~~ Marconi Co.	Fwds Letter from Mr. Bellini relative to recent tests of Bellini Tosi direction finder by Italian Govt.	898
98839	6-5	Nav Intel	Fwds report on personal ingaged in radio ~~fe~~ work French and German Navies.W	
99412	6-13	Nav.Intel	Gives number of officers and civilians British Ny for radio work.W	
99341	5/24	Nav.Att.Paris	Fwds report on French officers recently in American in connection with prel. experiments between Paris and ARLINGTON. to determine difference in longitude.	903

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[OVER.]

FOREIGN SHIPS & STATIONS. 1912

Number.	Date.	From or To—	Subject.	
68222	5-7	Nav. Intel	At Coltana, Italy is property of Marconi Co and not government, trned over for war only. W	
70370	6-4	Nav. Intel	Fwds list of ship of Uruguayan navy equipped with wireless. W	
71633	6-4	State Dept	Reports establishment of station at Mazetlam, Mexico. by Government. W To M. Is. gives information. 6/20. Fwd Dept. 6/20.	
72046	6-22 6-24	State Dept Dept	Reports building radio station Cartagena, Columbian Govn. W Ret Dept. 6/27.	
72984	7-9	Nav. Intel	Report stations being erected for Chila.	
73174	7-11	Nav. Intel	Reports establishment of high powered stations near Rome. W	
74125	7/18 7/20	State Dept. Dept.	EIFFEL TOWER: Relative to co-operation of scientific bodies in the United States with the view of improving service and radio telegraphic station on. W Ret Dept. reqt date when decided upon. 7/29.	
76167	?	None	Copy of agreement between Post Office Dept., Great Brittain and Marconi for establishing a chain of Imperial wireless stations. Also copy of specifications to cover these stations. W	

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FOREIGN SHIPS & STATIONS. 881

Number.	Date.	From or To—	Subject.	
76909	8/28	Navgn	Have instructed Naval Attache, Paris, to secure such data as is available on the Eiffel Tower station. W	
79686	10-7	Austin, Dr. L.W.	Reports on tour of inspection of radio stations in Europe and results of conferences with radio experts abroad. W	
79382	10/4	To Naval Intelligence	Reqt copy of regulation of ARGENTINE REP. on competion of Internal combustion motors	639
79728	10-1 10-5	State Dept Dept	Fwds information re contract signed by Norway with Marconi Co. W. Ret Dept. 10/10.	
85451	12/10	Dept	Fwds letter from FRENCH engrg firm re test of radio directed torpedoes.	876
84420	11/29	State Dept	Rwds report from CONSUL GENERAL PARIS on BELLINI-Tosi direction finder.	898
			1913	
90105	1/31	DOMINICAN Republic.	Desire to open radio station and reqt data re handling messages.	891
91297	2/24	State Dept.	Trans-Atlantic test, British Govt. reqt co-operation	903
92016	?	No. Source	Notes and sketches of RADIO AERIAL on German Bs, TBDS.	875

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[OVER.]

FOREIGN SHIPS AND STATIONS.

Number.	Date.	From or To—	Subject.	
54844	11/28	Nav. Intel.	Reports status of W.T. Stations by Chilean Govt. W	
55489	11/7 12/8	Asiatic Flt. Dept.	Wireless installation; states all foreign ships on Chinese station are equipped with apparatus so much superior to American ships in power, and range that Fleet is placed in extremely humiliating position. Chf Ret Dept. Gives status of orders for modern sets. 1/4.	
57030	12/23	Nav. Intel. 12537	Fwds data on Brazilian wireless station. W	
			1912	
57614	1/2	Nav. Intel	Fwds data on establishments of stations by Italy. W	
57613	1/3	Nav. Intel.	SUBMARINES-W.T., states French, will be fitted with	907
58728	1/16	Nav. Intel	Fwds translation of article in Salomblott on new 200 meter station erected at Nauen, Gemany, by Telefunken Co. W	
59092	1/18	Nav. Intel	Fwds copies of French magazine contain ng articles on Eiffel tower installation. W	
61772	2/12	Colon	Fwds data on proposed Station to be erected in Republic of PANAMA in connection with interference with new high powered station	808
63705	3-12 3-15	State Dept Dept	Have reqt. permission for Dr. Austin to visit Italian and French W Ret Dept. 3/16.	

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FOREIGN SHIPS AND STATIONS. 881

Number.	Date.	From or To—	Subject.	
63751	3/15	To Marconi W.T.Co.	Requests that Dr.AUSTIN be permitted to examine radio apparatus of S.S."Canopic", and that assistance be given him in obtaining authority to visit foreign radio stations.W	
63828	3/12	State Dept	MESSAGES: exchanged between US & Morocco. payment will be adjusted thru Navy Dept.	892
64574	3-21 3-25	State Dept Dept	Have requested permission for Rear Admiral J.R.Edwards and Lt.Comdr.Todd to visit Eiffel Tower wireless sta. W Ret Dept.Noted.3/26.	
66147	4-11	Nav Intel	States Telefunken tower at Nauen has been blown doen; information received in reply to reqt. for permission for Bu. rep.to visit.W	
67118	4/23	Dept	Dept. of State fwds copy of despatch from American Minister at Panama re erection of radio stations in Panama.	808
67342	4-25	Nav.Intel	Fwds permission for Navy Rep. to examine Station at Nauen. W	
67735	4-25	Marconi W.T.Co	Fwds copies of letters to English Rep. extending curtesies to Navy Representatives and permission to visit their stations . W To---Ack.5/3.	

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[OVER.]

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Foreign Ships and Stations.

FILE No.	From or To— (Dated)	Subject.	
28649	To Dept.	Wash'n. Long Distance Sta. requests France authorize H.C. Galletti to carry on tests from French station. 1/13	841
32661 2/28	Nav.Intel	Reports establishment of AustrianW.T.Sta onAdrian coast. W	
33088 3/6	Nav.Intel	Wireless station at Cherbourg, France, fwds report on from LOUISIANA. W	
44137 7/21	TO Nav.Intel.	Reqt. data on station erected on Eiffel Tower, Paris. W	
44705 7/27	Nav.Intel. 11318	Gives information re wireless station at Eiffel Tower, Paris.W	
49445 9/25	Nav.Intel	Reports on in Argentine Navy. W	
52079 10/27	Nav.Intel	Fwds report on new Russian stations.W	
52814 11/6	Nav.INtel	Reports establishment of Marconi high powered station at Coltano, Italy under Navy.W	
53287 11/11	Nav.Intel. 11318	Eiffel Tower W.T.Station; forwards report from Naval Attache, Paris, descriping.W	

NB—0120

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
654894	12/23	To Fleets- Comdts- S&A	Allowance of storage and dry batteries for radio purposes W	
655408	12/29	Aviation	Rsts bureau supply replacement batteries to replace those surveyed W	
654394	1/20	To Norf	Battleships- Allowance- Fwds allow. W	
497769	FWD FROM CARD 67		Brook. Supply Depot. Letter replied April 12. W	

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Number.	Date.	From or To—	Subject.	

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GENERATING SETS 1922 92

Number.	Date.	From or To—	Subject.	
653488	11/28 12/8	San Diego Destroyer Base Pac Destroyer.	Report covering transfer of storage batteries to FARENHOLT MCDERMUT W	
654080	12/18	Wash CANCELED	Report on test sample of carbon electrose W	
653634	12/20	To Wireless Specialty Apparatus Co	Reqsts comments on the feasibility of standardizing the mounting dimensions for large size transmitting condenser. W Reqsts comments 12/21 Wireless Specialty Apparatus Co 12/22 Electrical specifications for condensers. W To Wireless Spec. App. Co. - Gives inform rel condensers 12/29	

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
318197	12/21	S&A	Rel to diversion of delivery of 150 batteries on contract with Burgess Batty. Co.	918
654701	11/2 0	16th District	Requesta authy to draw two vacuum tubes storage batteries from store for use on District radio material office R To Cavite - withdrawal from store authd 1/4/23	
654734	11/20	16th District	Recommends B Batteries be furnished for all receivers on Asiatic station W	

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[OVER.]

Number.	Date.	From or To—	Subject.
652259	12/4	Edison Storage Battery.	22 volt Edison Batteries will be shipped to radio test shop for test W
652794	12/19	Norf.	Subm report on radio B batteries which will be required. 12/19 W Boston- 12/18 W Pug Snd 12/23 T No radio B batteries in stock W Phila 12/26 W
652341	12/4	Norf	Rqsts copy of instruction on care of lead acid storage batteries be furnished W To Norf- Fwds pamphlet 12/8
652959	12/5	Pug Snd	Fwds change in material sheets covering Edison batteries W To Edison Storage Battery Co- will authorize test 12/13 To S&A- Gives instrns 12/13 To Comdt Pug Snd- Inform furn 12/15 W cc S&A To Pug Snd- Fwds corres. 1/20/23

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.
652450	12/9	To O-I-C Brook	Excess stock report- reqsts for Inform in conn. with batteries enumerated on- reqsts condition nameplate data W Nav Supply Depot 12/14 W
653206	12/11	Norf	Rqsts copy of lead acid battery log sheets to be used at radio station in 5th District W
635977	from card 87		To Natl Carbon Co- Gives action taken rel batteries 12/12 W To Washm - Gives inform rel battery 12/12

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[OVER.]

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
638089	from card	88	Fwds S&A- Explanation of wireless Spec. app. Co. concerning publication of confirdential government data W 10/18	
646398	10/4 10/18	Atl Flt Des Atl Fleet	States charging of radio batteries through elec heaters very unsatisfactory W	493
647362	11/2	To CO S-50 161-0-6	W Type CD 177— condenser- failure of-	

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
648968	11/9	Phila	Special report on ruper range valve air condenser. W	
650067	11/22	To MI- Pug Snd P H	Batteries- Status of W M.I. 12/14 W Pearl Har. 12/13 10 Edison batteries in stock W	
650826	11/17	Dubilier Co	Will sail for Europe Dec. 2, in connection with condenser work. Ask if can be of any aid to bureau W To W Dubilier- Reqsts Inform 11/25	
650657	11/23	To Burgess Battery Co	Manufacture of two sizes - Reqsts sample of battery be submitted for test W Burgess Batt Co.- Fwds bulletin describing B batteries. 11/27 W	
651472	11/27	European Forces (T)	Request shipment of gaskets for Dubilier Condensers W	493

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[OVER.]

Number.	Date.	From or To—	Subject.	
642512	9/28	To S&A 1154	Reqst shipment of batteries from Washn to SO Hamp Rds W RB 10/13. W	
643793	9/26	Destry Sqd. Pacf. Fleet	Request disposition of Edison Stg batteries from decommissioned destroyers. W	882-3
643278	10/4	To S&A	batteries Title of- gives Instrns rel removal of survey of storage radio "B" batteries W S&A Circ- 10/6 W CO Tennessee 11/8 Fwds survey covering batteries. To S&A Reqst shipment of batteries from Pug Snd to CO 1530 11/20 RB 4/16 W	
644368	9/29 10/6	R. W. Geare Y&D	Ask if can purchase four 5 KW gasoline driven generators. W. To O-I-C Hamp Rds- Gives action taken 11/11 Fwds S&A 11/11 To S&A 12/5 RB 12/9 L	
638701	8/29	To Cmdr.Des.Sqd.Atl-Pacf.Flts.	Destroyers not equipt with Edison radui storage "B" batteries W.	898

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N. Eng. 134

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.
609954	from card 79		To Dir intelligence purchase of selenium cells- Reqsts inform W 10/7
64			
645400	10/11	Chasn.	Ask if Necessary to apply to S&A for authority to survey or replace batteries at radio station. W. To Chasn- neccy to apply to Bu S&A for authority to transfer survey or replace storage "B" batteries cc S&A W 10/19

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[OVER.]

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.
636722	8/8	S&A	Copy of letter to Washington authorizing ship dry batteries to Mare Island. W
		CANCELLED.	
636824	8/8	Washington	Suggested specification for battery charging equipt for coastal stations. W.
636836	8/4	S&A	Copy of letter to Ham Rds. rel to shipping of batteries to Pug Sd. WR
637560	8/10 8/11	Atl. Destry Sqd. Atl. Fleet	Request allowance of fillament A batteries for each destroyer be increased from 2 to 3 W To Atl Fleet Recomdn aprvd cc Atl Fleet 8/23 To S&A Reqst shipment of batteries from Phila to CO 919 8/28 RB 1/25/23 W To S&A- Reqsts cc of Mfg. request 11/3 S&A 11/21 ~~Fwds manfg request~~ W
638089 8	8/15	Wireless Spec. Appr. Co.	Subm inform rel to publication of bulletin 100 alleged to contain important and confidential data cov shunt condenser and switching system. W. Wireless Spec. Appr. Co. 8/30 W. Fwds S&A 1/6 To Wireless Spec. App. Co- neccy to recommend removal of company from bidding list 10/6 Wireless Spec Appr. Co/ 10/9- Co will not publish confidential information W
Card 89			

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
637955	8/16	To NY (T)	Recommended purchase 25 condensers type Cd 1827 for Model AD arc sets W	
639669	8/29	Edison Storage Batt.Co.	Are in position to furnish 50 volt B batteries on a quantity production basis W.	
638912	8/29	To Comdt Washington	Test of Round Cell Refillable Storage Battery W. Wash 12/1 Report on test of round cell refillable storage battery W To Washn- Reqsts batteries be given test 12/20 To Magno Storage battery Corpn- has completed test of cell re-fillable batteries- quotes from report of test W	
640136	9/1	Dubilier Condenser & Radio Corpn	Fwds samples of new Dubilier products. To W A Raton- Gives action taken rel test of grid leaks- submits report 11/9	W

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[OVER.]

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GENERATING SETS 1922 87

Number.	Date.	From or To—	Subject.	
631902	7/12	To Washn	Fwds: Wireless Spec Apparatus Co Quotations on condensers. W RB 7/24/22. W	
632656	7/10	Atl·Fleet	Subm status report on A-D batteries. W. Atl·Fleet- Fwds status report.8/4 W.	
632817	7/14	Elec.Storage Batt·Co·	Request opportunity to submit exide radio B battery for test. W. To The Elec Stg Batty Co- Rqsts batteries be delivered to test ship Wash. 7/19 W To Comdt Washn- Rqsts batteries be returned 7/19 W To Washn- Gives action taken 1/13/23	
633028	7/8	C. F. Rudolph	Variable condenser- fwds prints. W Fwds Comdt Washn 7/18 W	
633376	7/17	Multiple Batt·Corpn	Fwds folder describing Co's new battery. W To Multiple Storage Battery Corpn- auths Test cc Washn 7/22 To Washn authd 7/22 Multiple Storage Batt.Corpn Will ship battery within next few days. 8/4 W	

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
634356	7/22	Bureau Standards	Fwds dry cell battery specifications. W 607 - 1	
635977	8/1	Natl. Carbon Co.	Are fwding new type of desiccated batteries for test. W. To Natl Carbon Co- rel test of batteries 8/8 To Comdt Washn- Rqsts test 8/15 W Wash 12/2 W	
		card 91		
634601	7/27	To Phila	Status of Storage batteries 7/27 W Phila- Fwds change of material sheets. 8/2 W Phila 8/18 W	
636338	7/19 7/29	CO TENNESSEE Pacf Fleet	Subm report on status of A& B Batteries. W	
636229	8/2 8/4	Atl battleship force Atl Fleet	Nomenclature of navy waves and calibration of condensers on. Receivers and transmitters recommendations W	914

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[OVER.]

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
630458	6/28	Atl·Fleet	Status of A&D batteries. W-L	
630435	7/1	To Phila	Fwds change of material sheet in Radio Telegraph Batteries. W Phila· 7/6 W	
629661	FROM CARD 78		N.Y. 7/6- W	

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.
632009	6/2 7/5	CO MISSISSIPPI Pacf·Fleet	Fwds data regarding A & B batteries on board W.
632061	7/10	Washington	Estimate cov special tools required to manufg variable air condenset, moulds punchers and devices· W.
632086	7/6 7/10	Washington Dept	Fwds beneficial suggestion submitted by H. E. Reppert, draftsman and E. L. Powell, Labortorian, radio test shop, cov concentric control variable condenser W. Fwds Sec of Navy 7/17 HB 7/19/22.W E. L. Powell Invoice cov payment for beneficial suggestion. W.
608852	FWD FROM CARD 78		To W. W. Ellis via Wash- Fwds license. 7/12 W

Rewards

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[OVER.]

Number.	Date.	From or To—	Subject.
617997	FROM CARD 82		Pacf Destry 5/30 W. Phila- (T) 100 batteries put aboard PILLSBURY 6/9 W.
626709	6/7	To The Twin Dry Cell Battery Co	Ack receipt of Two Kleartone B batteries Reqsts specens W Twin Dry Cell Battery Co 6/10 Quotation W Twin DRY Cell Batt·Co.- Request report on test· 7/12 W. Twin Dry Cell Batt·Co. Request report on test of batteries. 9/21 W. Twin Dry Cells Battery Co./ Asks status of test. 11/3 W. To -- reqsts comments of bu be not used for advertising purposes 12/9
597104	FROM CARD 75		Wash 6/9 Report on test of mica condensers submitted by Wirless Specty Apparatus Co W To Wireless Spec Apparatus Co- Fwds report of test 6/19 Wireless Spec.Appr.Co· Acknowledges report. 6/23 W Wireless Spec.Appr.Co· Asks if can give copy of report of Radio Corpn· 6/28 W To Wireless Spec Apparatus Co- Gives inform 7/17 To Wireless Spec App· Co- gives inform rel plan 10/5 Wireless Spec.Apprs.Co. -Acknowledges receipt 10/6 W.

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N.S.E. Form 134.

GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.
628546	6/21	To S&A 542	Reqst shipment of batteries from P H to SO Cavite W L RB 1/23/23 W
629076	6/22	To S&A	548 Reqst shipment of Batteries from MI to SO 15 Dist W L RB 9/30 WR
630090	6/27	Dubilier Condenser/Radio Corpn	Mr. W. A. Eaton has been appointed Washington representative. W. To Dub Cond Rad Co- Ack letter 7/12 W
620877	FROM CARD 83		Navy Sup Dpt. Brook. 100 -6 volt batteries on hand. 6/27 W. Brook Sup Depot- Gives number of batteries in store. 6/27 WR To Brook- Reqsts inform rel batteries 2/9/23

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[OVER.]

Number.	Date.	From or To—	Subject.
625209	5/23	Atl.Destry	Fwds reports on batteries recd from various vessels. W.
624838	5/25	To Dubilier Cond Co	Fwds plans W
625411	5/27	To Washn	Design Prob No 51 Specons for radio batteries-- Test of W Washington Report cov test of Ever-ready vacuum tube plate batteries. 9/7 W
625924	5/25	Natl.Carbon Co.	5 Ever-ready batteries fwded for test purposes. W.
626035	5/31	Washn.	Fwds report of test of Westinghouse 22-volt storage battery. W. To Westinghouse Co- Fwds cc report 6/14 Westinghouse Union Battery Co 6/15 Fwds prints with recommendations W Fwds Washn 6/23 RB 7/11 W.

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GENERATING SETS BATTERIES 192 2

Number.	Date.	From or To—	Subject.	
~~625872-~~				
625413	6/1	To Washington	Design Problem No 200-C Vernier variable condenser control Fwds prints W	
626265	6/1	Washn.	Drawings and memo concerning new scheme of condenser adjustment turned over to radio officer by E. L. Powell, radio Labortorian, about 8/15/21. W. To S&A - Fwds Invoices 5/11	
611174	6/2	Newport Traing Sta.	Gives correct report cov disposition of radio batteries. W.	494
626718	6/3	Destry. Sqd. 9	Fwds form showing status of batteries for vessels of Sqadrons. W.	

Number.	Date.	From or To—	Subject.
601954	FROM CARD 82		Great Lakes 4/14 W.
518487	4/19	To Fleets-Atlantic-Pacific-	Status of "A" and "B" batteries aboard Battleships and Destroyers in commission- Requested W
OVER			Atl. Destry- 5/1 W. Destry Sqd. 3- Fwds reports. 5/8 LW. Atl. Destry- 5/9 . Sqd. 2- Fwds reports. 5/12 W. Atl Battleship Force 5/9 Battery report W Atl. Fleet- Copy of letter to Trains and control force Fwding forms. 5/15 W
620877	4/29	To O-I-C Brook	Edison Radio Storage Batteries in Store Reservation of cc S&A- NY W RB 5/25 W.
TO CARD 85			Navy Sup Depot- Copy action to N.Y. 5/11 W. To So Brook- Batteries avail 6/3 W cc NY To S&A Rqsts shipmt of batteries from NY to So Brook 414 6/2 W To NY-- Reqsts Inform 6/
620878	4/29	To Phila	Edison Radio Storage batteries; Reservation of cc S&A W

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GENERATONG SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.	
623905	5/18	To Phila	Batteries removed from destroyers at Phila W Phila- 40% of batteries are fit for use. 6/1 W To S&A-- batteries removed from destroyers at Phila cc Washn 6/8	
618487	FROM OVER		Atl. Fleet- Fwds report from Battleship Div. 6. 5/15 W. CO MARYLAND 5/4 W. Destry Sqd. 14- Fwds reports. 5/30 W. Pacf. Destry 5/29 W MI copy letter to Fleet commenting on report 5/20 W. Pacf. Fleet- Subm report. 6/20 W Pacf. Fleet- Fwds report from Pacf. Battleship Force. 7/15 W Pacf. Fleet- Submits status report. 8/18 W	
624466	5/18	Wireless Spec. Appr. Co.	Fwds variable condenser and mica condenser. W. To Wireless Spec Appr Co- comments 5/29	

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[OVER.]

GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.	
616011	3/29	MI (T)	Request immediate shipt of transmitting condensers as spares for Cutting and Washington submarine sets. W.	
616097	2/28	Westinghouse Union Batt.Co.	Memo invoice cov two cells. W.	
615677	3/28	To Pug Snd (T)	Ask to wire type number antenna series c-condensers sheet- Radio report Oct 1/21 W Pug.Sd- (T) 53 on hand. 3/30 W.	
615926	3/30	To Inspr mat GE	High Voltage Paper Condensers for use in High Power Vacuum Tube Circuits- Reqst inform W Inspr G.E. 4/10 Fwds copies of corres & catalogs W Fwds NY 4/17 RB 5/3 W. Fwds Washn 5/6 RB 5/16 W N.Y. 5/9 W.	
609334	3/27	Burn Boston Batt.Co.	Have ordered Facty to send grounds to Bur Stand Labr. W	876

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GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.
616011	4/3	To MI (T)	No condensers available- If for use S Sub coming Atlantic cannot be purchased in time W
617595	4/7	Phila. Stg Batty Co.	Request inform rel to radio batteries in conn with designing lead acid storage battery W To Phila Stor Batt Co-Specns not prepared for lead acid batteries 4/15 W
617997	4/13	To Pacific Fleet	Radio storage batteries to be removed from vessels to be decommissioned -Reqst number of Edison batteries W To Phila- Reqst number of batteries 4/13 To Pacific Fleet Radio Storage batteries to be removed from vessels to be decommissioned W 4/13 To Phila Reqst number of Edison batteries 4/13 Phila-Fwds list of batteries aboard various vessels being decommissioned. 4/27 W.
TO CARD 85			
618447	4/13	Union Carbide & Carbon Resch. Labr.	Subm inform rel to prolonging life of dry cells stored on shells at low temperature- WL 607-1 To Union Carbide and Carbon Research Lab- GivesAction 4/17

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[OVER.]

GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.
614195	3/16	Burn Boston Batt. Wks.	Request auth to submit samples of batteries for test. W. To-- Gives Inform 3/28
614058	3/18	To S&A 9906 9904	Reqst shipment of batteries from Phila to SO P H W RB 9/11 W To S&A Reqst shipment of batteries from Phila to SO Tutuila 3/18 RB 9/18 W. To S&A Reqst shipment of batteries from Phila to SO Cavite 9907 3/18 RB 12/26 W To S&A Reqst shipment of batteries from Phila to SO Guam 9906 3/18 To S&A Reqst shipment of batteries from Phila to SO Pug Snd 9903 3/18 S&A- Copy action to Phila. 3/29 W. S&A- Copy action to Ham. Rds. 3/24 W. To P H- Fwds cc let rel shipment 3/25 To MI- Batteries shipped from Phila 4/4 W Pug Sd. Request Teuisitions be approved. 4/18 W. 14th Dst- Cpy action to S&A 5/9 W. To MI-- rel shipment of batteries cc Tutuila-Guam- Cavite 6/13
614065	3/21	To De Forest Radio Tel Co	To Washn via S&A- gives action cc Washn pug snd 7/13 Condenser Gives comments on plans furnished for manufacture of W DeForest Co.-Cannot understand how condensers infringe Government desogm 3/24 W Fwd Washington 3/30 RB 4/12/22 W. To DeForest Radio Telephone and Telegraph CO- Reqst comments 4/26 DeForest Co. Method of moulding fixed cndensers is ~~an~~ original with Co. 5/3 W. Fwds Eaton 5/6 RB 6/12 W

GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.	
614783	3/20	Atl. Destfy	Request auth to transfer auxiliary storage batteries from ships going out of commission to vessels remaining in commission. W. To Comdr. Des Squads Atlantic Fleet (T) transfer of batteries disappvd 3/25	
~~615017~~	~~see card 83~~			
615086	3/3 3/12	Coco Solo 15th Dist.	Request disposition of DC motor generator on hand, gives name plate data. W. Fwds S&A cc CO- 15 Dist 4/7	
615122	3/23	Washn.	Subm report on test of 4 cell Edison storage bttery. W.	
615123	3/23	Washn.	Subm estimates cov cost of manufg of 100 type SE 1752 condensating condensers. W.	
611174	3/17	S&A Circ	Only 6 months stock of dry cell batteries should be kept- request report on number of batteries in stock and list of vessels and air stations to which issues are made.	494

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Number.	Date.	From or To—	Subject.	
54958	2/20	To Inspr NY	Ward Leonard type circuit breaker not acceptable under contract- not suitable for use at sea due to unsatis shock tests. W-S	629
611301	2/16 2/25	Shank Co. S&A	Calls attn to Elec battery switch Co. has devloped -request specifications. WL	
602407	2/25	S&A	Fwds letter from M.I. advising batteries are required by Cavite for shore stations.W	607
611895	3/1	MI (T)	Request inform regarding shipt of standrd condensers. W. To MI (T) Awaiting govt transportation Hamp Rds- 3/2	

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GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.	
612503	3/3 c	L. G. Facent	Fwds copy of catalog showing condenser DeForest Co. are manufacturing, similar to one designed by Mr. Ellis- rel to entering agreement with Ellis for manufg of. W.	
613296	2/9 3/11	Pearl Harbor S&A	Request monthly shipt of 75 type SE 3535 batteries be made. W. To P H Reqst inform rel batteries cc MI 3/24 MI- Fwds report from 14th Dist. 4/21 W. To S&A Reqst shipment of batteries from Phila t to SO P H 196 5/4 RB 1/27 W	
613681	3/7 3/14	Atl. Fleet Dept 667	Recommends additional storage batteries on destroyers be turned into battery service stations at yards for care and preservation. Fwd Oper 3/18	
613730	3/10	Chasn.	Request inform and descriptive pamphlet cov CU 1707 audion battery. W. To Chasn Fwds cc of description and operating instructions for Edison Storage batteries 5/12 W	

Number.	Date.	From or To—	Subject.	
609124	2/2 2/4	Subm Div. 8 Atl.Sub.	Recommends allowance list be changed so that Submarines will be allowed two audion B batteries. W.	
609622	2/8	Westinghouse Union Batt.Co.	Request appointment rel to test of radio batteries. W.	
Washn 69	Eng 22 2/14	To S&A	Emergency "B" Batteries, Dry coil- Fwds reqn approved WR	
609633	2/15	To S&A 9718	Reqst shipment of batteries from Phila to SO Washn W RB 6/9/22.W	

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Number.	Date.	From or To—	Subject.	
603314	2/13	Washn.	Report of test cov 3d samples of Holmes semi-dray storage batteries. W.	898
609954	2/18	To Dir Nav Intelligence	Asks if Professor Thirring can furn Bu with 52 selenium cells W RB 4/20 W. Naval Intelligence- Information not yet secured. 6/29 W. Naval Intelligence- 8/17 Fwds pamphlets and translation rel to use of selemium cells to Prof. H. Thirring. 8/17 W. To Dir of Naval intelligence- comments 9/16 Naval Intelligence- 10/2 W	
	card 89			
603754	FROM CARD 77		N Y.- Fwds copy of preliminary specfns for radio batteries. 2/20 W MI- Preliminary specifictions have been revised. 3/15 W	

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[OVER.]

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GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
533615	FROM CARD 69		Anacostia 1/20 W	
606030	1/23	MI (T)	Cavite request storage batteries for radio set on BROOME: Not in stock- request Bureau furnish direct. W. MI- (T) Bureau Telegram 2/28 not understood. 3/29 W. To MI (T) Disapproved 3/28 To MI (T) three storage batteries for BROOME 3/30	
606970	1/27	Washn.	Request auth to manuf and place in stock by-pass condensers for radio receivers. W. To Washington Reqst Vandyke 2/4 Washn 2/9 W.	

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GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.
607719	2/2	Washington	Report of inspection of sample shunt condenser submitted by Wireless Spec. Appr. Co. W.
~~605511~~			
608663	2/7	Norf.	Ask if satisf to issue audion batteries held for shipping board to fill current orders- shortage to be made up from future ships. W. To Norf- authd issue of 2/11
608852	2/8	Washn.	Fwds request of W. G. Ellis for patent on condenser mould and method of manfg variable condensers. W. To W W Ellis via Washn Fwds Specens 4/19 To S&A Regsts check be fwded to comm of patents 5/4 To Comm of Patents Fwds application papers with plans for letters patent of W W Ellis 5/4 To W W Ellis -- Fwds cc license 5/20 To Sec of Navy- Fwds copies of license 6/24
TO CARD 86	Wash 6/19 W.W.Ellis	Fwds license from W	
608063	2/8	To Bu of Standards	Fwds two special type "B" batteries for use in connection with high voltage source of supply for vacuum W Bur Stand Labr. 2/23 W

Remarks

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[OVER.]

Number.	Date.	From or To—	Subject.
601954	12/28	To S&A 9412	Reqst shipmt of material from 9 Dist to SO Boston W
		To S&A-recommends sell-2;25-L-R, To 9th Dis-3;1-L	To S&A Reqst shipmt of batteries from 9 Dist to Phila 9451 12/31 To 9 Dist- Gives Instrns 1/5/22 S&A- Returns shipt order cov stg batteries- cannot auth. 1/6 W Fwd 9 Dist 1/10/22 - RB 2/20 L
CARD 83			
602320	12/28	Westinghouse Union Batt.Co.	Calls attn to Co's L-2 type of battery- fwds print. W.
		1922	
602634	12/31	Dept	Fwds beneficial suggestions by W. G. Ellis Radio Laboratorian cov super range variable condenser. W. To Phila- Gives Action 1/25 Fwd Dept 1/25 RB 2/2 W
		Rewards	
602823	12/31	Lowenstein Co.	Glass condensers left at Bureau- gives maximum permissable voltage. W. Fwd Washington 1/6/22
603038	1/4	15th Dist. (T)	Request immediate shipt of Dubilier condensers. W. To S&A Reqst shipmt of Condensers from Boston to SO Balboa 9474 1/7/22 S&A 2/4 W.

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GENERATING SETS BATTERIES 1922

Number.	Date.	From or To—	Subject.
602446	1/3	9446 To S&A	Reqst shipment of material from Phila TO SO 15 Dist W
602819	1/5	To S&A 9457	Reqst shipmt of condensers from Boston to SO Washn W
603344	12/28	Westinghouse Union Batt. Co.	Fwds sample radio B Battery for test submits quotation with print. W. To -- will fwd report as soon as test is completed 1/7/22 Westinghouse Union Batt. Co. - Batteries fwded to Research Labr. 1/17 W Westinghouse Union Batt. Co. 3/2 W.
603754	1/9	Washn.	Preliminary specifications for radio batteries- fwds. W. To Comdts M I- O-I-C Bu of Standards- Anacostia Fwds specens 1/30 Anacostia- Fwds preliminary specification for radio batteries. 2/1 W. Bur Stand- Fwds preliminary specfns for radio battery. 2/16 W
605511	12/5	Cavite	Stock of stg batteries- comments on status of. W. To 16 Dist- Reqst Inform- 2/2 RB 4/17 WR

CARD 79

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[OVER.]

GENERATING SETS BATTERIES

1921

Number.	Date.	From or To—	Subject.
597097	11/25	To Ports	Reqst disposition made of equipment W Ports- 12/2 W.
597770	11/21	Dubilier Condenser Co.	Blocking and back shunt condensers on contract 54946- request instrns rel to test W.
598001	11/25 11/28	Dubilier Cond·Co. Washn.	Fwds drawings of blocking and back shunt condensers showing changes. W. Fwd Washington 12/5 Washn- Fwds drawings showing condensers. 1/6 W
598952	12/5	Crocker Wheeler Co.	Request copy of report of test made on 1100 cycle motor generator set for sub-acquious oscilator signalling at Phila. W. To-- does not consider proper to fwd test report cc CO 12/8
599485	12;6	Boston	Reqt drawings of battery charging panel be furnished.W To Boston- Fwds print 1/10/22

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GENERATING SETS BATTERIES 1921

Number.	Date.	From or To—	Subject.	
599767	12/8	Natl. Carbon Co.	Have arranged with American Ever Ready Works to send sample batteries to yard for test. W. To-- Gives Inform- Reqsts data 12/17 To Washn- Specens for Radio Receiving battery 12/19 Natl. Carbon Co.- Do not manufg batteries. 12/29 W Washn- Fwds change specifications. 1/9 W Natl. Carbon Co.- Ask if test completed. 2/11 W To-- Gives Action taken rel tubes 2/15	
598774	12/10	To MI	Reqsts no further work be undertaken on problem listed; Gives instrns W	
600691	12/21	To Washington	Reqst condensors be investigated as listed W Washn- Recommends test of German special transmitting condensers be not conducted at radio test shop. 10/6 W To Lowenstein Radio Co- will not further test the condensers cc Washn 11/7 Lowenstein Co 11/8 W To Washn- gives instrns rel cond. 12/15	
601806	12/19 12/22	Radio Corpn of America S&A	Request loan of air condensers. W. To- no compressed air condensers could be loaned 12/29 Radio Corpn- Can carry out test. 12/30 W To S&A- Gives Inform 2/8 501921-747-50-	
601845	12/28	To S&A	batteries- rel requirement of W S&A- Fwds letters from various yards submitting information rel to radio B batteries which will be required. 3/29 W.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
593975	11/2	Washn.	Fwds copies of analysis of material used in preparation of electric light of Holmes battery. W.	
594003	11/2	Washn.	Type SE 3535 batteries -subm list of obligations against. W.	
594149	11/3	Washn.	Subm list of condensers submitted by Wireless Special Appr Co. for test. W.	
594218	10/30	Victory Radio Co.	Fwds sample 50 colt stg battery for test. W To-- Reqst data 11/8 To Washn Fwds ~~tes~~ small capacity lead cell 11/8 Washn- Fwds report on test of lead acid tube plate battery. 3/23 W To Victory Radio Co- Gives Action 4/21	
593898	11/4	To Washn	Type CU 1707 Edison storage batteries- Gives inform W Washn. 11/8 W	
594179	11/5	To Washington	Test of wireless specialty apparatus company condensers Gives inform rel W To Washn Gives change in number 11/8 To Wireless Specialty App Co- not considered likely tests can be completed in time for Bu accep condensers Will be please to receive bid 11/9	

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GENERATING SETS BATTERIES 1921

Number.	Date.	From or To		Subject.
593905	11/8	To Wireless Spec App Co		Reqst inform rel manufacture of fixed condensers W To Dubilier Condenser Co Ask if can manufacture fixed condensers 11/8 Dubilier Condenser Co.-Quotation cov mica condensers. 11/9 W Wireless Spec. Appr Co. Gives reading of condensers: 11/15 W. To— Gives Action 12/1
595293	11/12	To Washington		specens for Radio recg batteries -Test of Edison ampere hour 5-volt battery Recomdns are requested upon completion of tests W
595144	11/14	To S&A	9161	Reqst shipmt of batteries from Washn to SO Brook W
595526	11/14	To S&A	??	Shipt order, RB 8/21/22. W.
596509	11/21	To S&A	9231	Reqst shipmt of batteries from SO MI to SO Pug Snd W RB 1/14 W
597104 To 85	11/21	Wireless Spec. Appr. Co. To Wireless Spec App Co- Will fwd cc report of tests and comment 11/26		Sample electriaal condensers fwded to radio test shop, Washington, for test- submits comments on. W. To Washington- Gives inf rm rel sample of condenser being fwded by Wire S A Co 11/26
596833	11/28	To S&A	9241	Reqst shipmt of condensers from SO Washn to MI W Bur Stand Labr- Fwds certificates of calibration of variable air condensers. 12/20 W Fwd MI 12/28 MI 2/20 W. To M IS-shipment made Dec 30th-3:1-W S&A- Copy action to Ham. Rds. 5/3 W MI- 5/24- W Bu Standards Lab 6/8 W

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[OVER.]

Number.	Date.	From or To—	Subject.
585131	9/9	Washn.	Blocking condenser- fwds plans. W.
586788	9/21	New York 607	Request copies of instructions for care of storage batteries, be furnished WL To NY Fwds instrns 9/29
588030	10/1	To Pug Snd	Storage batteries Status of W
588029	10/1	To MI	Storage batteries Reqst status of W MI- No batteries in stock. 10/13 W.
588409	10/3	Washn.	Fwds prints showing type CD 1778 condenser W
589054	10/5	N.Y.	Request instrns for care and operations of lead acid stg batteries be furn. WL To NY Fwds cc of instrns 10/11
588636	10/7	To Washn	Reqst brief report of test of battery be prepares and four copies submitted to Bureau W Washn- Test of Lyone storage battery -report on. 12/2 W To Wenner Co Fwds report covering test of battery 12/22 W
588638	10/7	To Washn	Reqst report of tests on sample battery be submitted W Washn- Fwds special report cov Holmes semi-dry stg battery 10/17 W To Callan Motor Car Co Fwds copies report 10/25

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GENERATING SETS BATTERIES 1921

Number.	Date.	From or To—	Subject.	
589434	10/7	Washn.	Fwds prints showing variable condenser mould. W.	
590115	10/5	Asano Nussan Co.	Request report on Dubilier Condensers. W. To Asano Nussan Co have been satisfactory. 10/17 W	
590920	10/20	To Washn	Gives instrns rel sample condensers cc Anacostia W	
591544 Washn-10;28-W	10/22	To Washington	Ask inform as to number of batteries required to be reserved for battleship equipment W To S&A Reqst shipmt of batteries from Washn to SO brook 9047 10/22	
591339	10/21	To S&A 9034	Reqst shipmt of batteries from Washn to SO Phila RB 12/29/22 W To S&A Reqst shipmt of batteries from Washn to Phila 9160 11/14 S&A- Copy action to Washington. 6/3/22. W To S&A Reqst shipment of batteries from Washn To Phila 2585 4/11/23	
591340	10/21	To S&A 9043	Reqst shipmt of batteries from Washn To SO MI W	
591981	10/25	To S&A 9035	Reqst shipmt of battery from Chasn to Phila W RB 3/28/22. W S&A- Ask if shall modify shipt order. 12/8 W Fwd S&A 12/14	

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GENERATING SETS BATTERIES 1921

Number.	Date.	From or To—	Subject.	
577665	7/26	Elec. Stg. Batt. Co.	Subm estimate cov placing stg battery in good condition. W.	
579250	8/9	To Norf	Ask number of radio storage batteries in storage and available for issue. W Norf- No batteries available. 8/17 W.	
580645	8/12	Inspr Brook.	Request copies of specifications cov condensers W. To Inspr Brooklyn- 8/22	
573904	FROM CARD 72		Dubilier Cond. Co. Mounting condenser on new type of clip increases efficiency. 8/15 W	
581384	8/18	Pacent Elec Co.	Calls attn to ability of Co. for furnishing variable air condensers. W. To Pacent Elec Co Gives inform rel where inventor of cond can be reached 9/2	

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Number.	Date.	From or To—	Subject.
581472	8/18	Western Elec.Co.	Offers shop worn condensers listed at a reduced price. W. To Western Elec Co Gives Action 9/2
582368	8/23	Washn.	Recommends salvaging condensers broken down in service. W.
582190	8-25	To S&A	Reqst shipment of batteries from Washington to M.I. W 8623 RB 9/30 W. Shipt order from Wash to M.I. 8/25 8622 RB 9/20 W
583110	8/29	Washn. VOID error	Fwds letter from Telegraph Dept Bahamas, returning amplifier, out of order. W.
583112 c	8/29	Dubilier Cond.Co.	Request latest specifications cov test of mica condensers. W. To Dubilier Cond Co- Fwds cc Specens 9/2
583911	9/5	Callan Motor Car Co.	Semi-dry stg battery for radio work- WL 607-1 To— Gives inform rel test of battery 9/26 To Callan Motor Car Co Gives inform re test of battery 9/9 To Washn Gives Action 9/9
584472	9/2	Mare Isl.	Dry Batteries for radio use- request number be shipt for present needs. W. To MI (T) Gives Inform CC MI 9/8 MI- (T) Request further inform. 9/12 W To MI (T) Gives nform 9/13

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GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.
556857	4/15	To C° Anacostia	Auths test of condensers at Cleveland- W Anacostia- Recommends problem be considered closed. 2/17 W To CO Anacostia (T) concurs with Recomdn 3/27/22
557750	4/18	To S&A	Reqst shipmt of condensers from Phila to Pug Snd 7041 W
560222	4;26	Dubilier Condenser Co	Ask if addtl test samples of mica condensers are required at radio test shop-will submit report on those already tested.W Fwd Washn 4/28 RB 5/6 W. To Dubilier Condenser Co 5-11
561448	5/2	Dubilier Cond.Co.	Request copies of report on test to determine proper form of arrestor to be used for protecting windings of dynamos for radio grequency surges. W. To 5-6
563055	5/10	Phila. (T) To Cavite- rel shipment of batteries 12/8	MI reqvest ship to Cavite exide batteries- same not available- rqst instrns. W. Shipt order from Boston to NSD MI Cavite 6/20 7905 RB 8/9 L RB 11/29 L
562948	5-12	To Washington	Design problem 150-B battery charging equipmt Authorizes shipmt fro N.Y. to Radio shop W To Washington 7/12 Washn-Rqst list of stations to be equipt with battery charging equipt. 8/10 W.
566888	5/31	Excello Trading Co.	Request specifications cov 15 cell wireless station batteries. W. To 6-2
576797	7;22	Phila 615-15	Reqt auth to issue mfg reqt covering two battery trays to complete two ~~xxx~~ kw radio battery.W fwd S&A 7/28

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GENERATING SETS: BATTERIES 1921

Number.	Date.	From or To—	Subject.	
568020	6-10	To S&A	Reqs shipmt of condensers from Brooklyn to Anacostia W 7761 RB 6/17 Y	
53458	6/15	To Inspr Brook	Gives instrns re test of condensers WS	629
570154	6/16	Dubilier Cond.Co.	Have fwded samples of mica condenser to Washn. Yd for test. W. To Dub Cond Co 6/20	
53458	6/13	Annacostia	Report on test of condenser S&W	629
573904	7;6	Dubilier Condenser Co	Fwds copy of letter to Washn yard relative to space available for mounting condenser and sample receiving equipment.W To Wash 7-14	
CARD 73	Dubilier Cond.Co.-Rqst Bureau comments. 7/26 W Washn. Recommendations. 7/28 W To--8/9 W		Dubilier-Condenser Co.-Rqst action 8/9 W To Dubilier Cond Co 8/9	
574446	7;11	Dubilier Condenser Co	Calls attention to new type of mica condenser to replace ordinary paper type.W	
	To Dubilier Cond Co Rel Test 9/6		Dubilier Cond.Co. 8/23- Subm sample.8/23 W.	
573292	7-12	To S&A	Reqst shipmt of radio condenser from Anacos to Brooklyn W 8074 To S&A shipt from Anacostia to Brook canc 7/20 8215	
574657	7;12	Dubilier Condenser Co	Reqt specns.W To Dubilier Cond Co 7/15	
1	To Dubilier Cond Co 7/23			
574976	7;14	Pug Sd T	Reqt immediate shipment of 100 audion dry batteries.W To Puget Sd Tel 7/15	
	To Pug Snd (T) rel shipmt of batteries 10/14		Pug.Sd.-(T) Rqst expedite shipt of batteries for stock 10/12-W W	

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[OVER.]

GENERATING SETS BATTERIES 1921

Number.	Date,	From or To—	Subject.	
550873	3/9	Bur Stand. Labr	Design problem #209 recommends condenser unit with paper condensers submitted by Western ElecCo. be tested in actual service. W.	
541192	FROM CARD 70		Phila. 3/15 W.	
49539	3/11	Washington	Submits report on test storage battery manu by Edison Stg. Batt Co. S&W	629
548377	FROM CARD 70		Chasn. 3/16 " Pug.Sd. 3/23 W MI- No batteries in stock. 3/30 W.	
9 552378	3/3 To P.Harbor 6/14	Pearl Harbor	Request Edison batteries be furn. RD. To SO P H Disappvd 3/22 cc P H Pearl Harbor- 4/9 W. To M.Island 5-10 M IS- Subm estimates. 5/19 L To Comdt M.I. 5-28 Shipt order from MI to PH 6/10 7776	

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GENERATING SETS BATTERIES 1921

Number.	Date.	From or To—	Subject.
553313	3/23	William Dubilier	Have been approached by Jap Govt rel to sale of patents, etc. desired expressly from Navy, rel to future business with Navy before sale is consumated. W 552 To Dir Intelligence Gives in form 4/2
553841	3/24	Wellesly College	Ask if possible to buy copper coated Leyden jars. W. To-- jars available 3/30 Fwd S&A 3/31
553097	3/26 Norf 5/23	To IM Norf W	Ship order will be issued for transfer to naval radio station upon completion of test of battery-charging unit cc Key "est W Norf- Fwds report of test on battery charging unit, manfd by France Mfg.Co. 4/15 W. To Norf 5-26
554862	4/2	To Washn	Reqst yandykes of plans be fwded to Bu W Washn-4:8-W
555665	4/8	"enner CO.	Subm request for test of Lyons battery for radio use. W. To Washn Reqst battery be tested 4/11
555854	3/29 4/5	Pug Sd. Boston	Type CD 158 condensers satisf in lieu of type CD. W. Fwd S&A 4/15
557750	4/15	Pug.Sd. Copy Copy	Request immedi te shipt of Dubilier mica condensers. W.

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[OVER.]

GENERATING SETS BATTERIES 1920

Number.	Date.	From or To—	Subject.	
536698	12/23	Nav Observatory See 526904-909	Ask if wireless batteries are carried in stock; also source of supply and price. Fwd S&A 12-29.	WL
		Nav. Observatory- 3/9 W	To S&A Reqst shipmt of batteries from Pug Snd to P H 5701 12-29 canc 2/8/21 6213	
536913	12/18	Mare Island	Recommends approval of Pearl Harbor rqst for stg batteries for stock. 1W.	
		Shipt order 12/29 RB 3/19 W	Pug. Sd.- 1/24 W. To Puget Sd via S&A 2-7-21 RB 3-7	
435655	12/18	S&A	Ask date of del of radio batteries for Crystabol.	727 - 1
		1921		
539851	1-13	To Norfolk	Advise number of type CU 119 and CU 887 Edison batteries in stock at Norfolk W Norf- 1/20 W	
539863	1-14	To S&A	Reqst shipmt of battery from Washington to New Navy Bld g Washn. W	5915
540737	1-18	To Comdt Phila	Instal of Burgess battery type SE 3535 A with intercommunication sets W	
541197	1-20	To S&A	Reqst shipmt of batteries from Aird Facty Ph to Phila SO W. Aircrft Facty- 2/11 material shipt. W. To Phila amendment 2/15	5982
TO CARD 71		To S&A shipmt of batteries from Phila to Phila amendmen of 2/17 To Phila 2-18 To Phila 2-18		
544536	2/2	Dubilier Cond. Co.	Calls attn to high tension Insulator switch Co. has developed for antenna condensers W 911. To 2-5	
532831	2/21	S&A	Fwds correspondence with excess obselete and deteriorated matrl at Grt Lakes	607

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CENTRATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
544943	2/4	A. H. Grebe	Request opportunity to re-present Co's stg batteries for test. WR. To 2-8 W	
508015	2-5	Phila	Report on condensers in store W 689-1	
526904	2/22	Nav.Observatory	Rqst batteries be furn. W	909
545701			N.Y. 2/23 W. To IM NY re use of tunger rectifiers for charging batteries; Reqst inform 2/11/21 W.	
546289	2-15	To S&A	Reqst shipmt of batteries from Puget Sd to Pearl Harbor L RB 8/10 L	6320
547406	2/18	Washington	Recommendations covering giving credit for condenser to W.W. Ellis. W. Fwd Washington 2/25 Dept- Returns claim. 3/19 W. fwd Sec 6/16 RB 6/23 R	
548342	2/22	A. R. Nilson	Rqst photos and wiring diagram of charging panel as manufd by Betts & Betts W. To YMCA 3-3-21	
548377	3-2	To Comdts IM's	Stock of Edison radio storage batteries- W Boston 3/9 W. N.Y. 3/10 W. RB 3-12 New Orln- 3/10 W RB Ports 3-14 Chasn 3/16 W.	
TO CARD 71	Phila. Subm list. 3/14 W Norf-Recommendations cov Edison Stg. batteries, standrd stock 3/16 W			
549062	3-2	To S&A	Reqst shipmt of batteries from NS D to Bur of Engr. L 6479	

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GENERATING SETS BATTERIES 1920

Number.	Date.	From or To—	Subject.
518776	9/21	Washn.	Fwds prints, shunt condenser system. W.
519577	9/16 9/17	Coco Solo 15th Dist.	Subm request for transmitting condensers. W. Shipt order from Boston to Balboa mica condensers for stations listed 11/11
520927	10/4	Manhattan Elec. Sup Co.	Request name be placed on mailing list; are manufg red seal dry batteries. W. ~~Manhattan Elec Sup Co.- 10/4 W.~~
521071	10/5	Boston T	Request copy of specifications for manuf of compass compensating condensers. W.
521127	10/7	To S&A	Shipt order from Boston to Bath storage batteries W
522053	10/7	Bur Stand	Use of paper condensers in rejectors- report of test. W. Bur Stand Labr- Fwds copy of contract ors letter in conn with sealing compound for special paper condenser 11/16. W To Washn 10-16; RB 10-28; W To Wash 11/2 Washn- Subm recommendations. 12/1 W To Washn- auth model rej for test 12/4
524054	?	L. Davis	Request mechanical dimensions of choke coil and electrical capacity of condensers. W. To L Davis 10/20

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GENERATING SETS BATTERIES.

Number.	Date.	From or To—	Subject.
528336	10/21 11/9	Grt Lakes S&A	Fwds list of deteriorating storage batteries. LW. Fwd S&A 4/2
529758	11/12	Mare Island	Fwds copies of correspondence in conn 689-77 with radio and sound signalling stock. W
529852	11/12 11/16	Dubilier Condenser Co. Phila.	Antenna series condensers in 2 and 5 KW condensers - fwds prints and comments on. W. fwd Wash 12/1 RB 12/8 W. fwd Phila 12/14 RB 12/22
530766	11/22	Phila.	Lists Edison batteries on hand reserved for vessels listed. WL
531145	11-27	To Lowenstein Radio Co.	condensers to be manufactured at Washn Navy Yard W.
534146	12/9	Washington	Fwds sketch of fine adjustments for variable condensers. W. To Washn 12/15
533615 CARD 78	12-13 radio Phila- 1/11	To Phila 1/6/21 5790 RB 2-2 To Anacostia 1-7-21 W	Reqst info as to English or French storage batteries for plate circuit of vacuum tubes on hand W Phila- 1/3 W Shipt order from Airc Fact to Anacostia
535345	10/27 12/16	Ports S&A	Subm report on deteriorated dry batteries for radio vacuum tubes. W. fwd S&A 12/21

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GENERATING SETS; BATTERIES 1920

Number.	Date.	From or To—	Subject.
498490	6-10	To Bureau Standards	Advise if sample condenser referred to in letter from W.J.Roach of 6-1 to radio ald J.I.Miller Bur Stds, will be suitable for work contemplated on special paper condnsrs. W
502517	6/30	New Orln.	Ask if Washington Yard can furnish 11 battery chargin panels. W.
	Shipt from Ph to NO radio batt charging panels 8-12 RB 2-14-21		To N.O. washn yard cannot furnish all of matrl. 7/19
			N.Orl-reqt charging panel for use of Shipping Board vessels-8/5
502978	7-6	To Western Elec Co	Advise when conference will be convenient as Dr Miller arrive at plant on July 8th to explain special requirements of condensers W
507484	7/24	Boston	Request disposition of mica condensers W.
	To Dubilier Cond Co. 8/30		To Dub Con Co. 8/17 reqst comments rel condensers
	Dubilier Cond. Co.- Cannot give information. 8/31 W		Cop NY Brock
			Dubilier Cond Co.- Request dept consider rejected condensers as damaged units which are retd to them. 8/18 W
507388	7-26	To Washington	Reqst drawings for variable condenser. W
			To Comdt Washn. amendment of title 8-9
514391	8/24	Dubilier Condenser Co.	Rqst official report on mica condensers. W
	8/25	Boston	To Dub Cond Co 9/24
515833	9-10	To Phila.	Reqst info in re condenser protective devices now in store W
			Phila; no record of issue during past 6 months; 9-15; W

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Number.	Date.	From or To—	Subject.	
469268	FROM CARD 66		Fwds stg battery report. 7/29 L Ports. 7/31 L N Y 8/30 L Ports. 9/1 W/ Ports- Subm report. 10/4 L Ports- Subm report. L Ports. 11/30 W Ports- 12/31 L MI- 2/2/21. L MI 8/2 LW To Comdt M.I. 8/13 RB 8/31 L	
45228	9/7	Dub Co	Canc of contract and rejection on contracts 32615 have left large amount of material on hand reqst Bur use as spares SW	629
514418	8/31	To Washn	Reqst fwd vandykes W	
514417	8/31	To Boston	9/3 fwds covering battery charging panel ~~Reqst fwd vandykes. and copies of special~~ reports. Boston 9/7, fwds reports on condensers	876
518627	9/20	Washington	Reports delivery by Frankfort Arsenal of variable condensers for which they received award. W.	

GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
483903	3/25	Dubilier Cond. Co.	Request blueprints copies of specifications of condensers be furnished.	W.
486388	4/7	Standard Elec. Novelty Co.	Samples of batteries subm to radio test shop, Washington for test. W. To Standard Elec Novelty Co- will investigate and fwd re of tests 4-12 To Washn re above 4-12 Washn- Report on test of batteries subm by Stand elec Novelty Co. 7/23 W. To Std Co 7/26 To WashN work completed 8/18	
488540	4-22	To S&A	Reqst shipmt from Airc Ph to S.O. Phila radio apparatus W ; RB 9-18; W	
41715	4/22	M Is	Submits information re cost per set of storage batteries for emergency transmitters, Destrs bldg at Beth S B Corp - SL	629
490296	4-29	To Dubilier Cond Co.	Gives information in conn with type number assigned to condenser which are mfg for G.E. Co to use in airc vacuum tube transmitters in order to identify same. W	
491831	5/5	Dubilier Cond Co.	Request assign type numbers to condensers listed supply to GE Co. W To Dub Co assignment of nos 5/17 Dubilier Cond. Co. 5/29 Calls attn to errors in type numbers 5/29 W	

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Number.	Date.	From or To—	Subject.
492022	5/6	Radio Corp of America	Fwds specification covering manuf of Layden jars - W
492323	5/7	Bost	Reqst disposition of broken transmitting condensers - W
493239	5-15	To IM's and Comdts 898	Policy in re to removal of Leyden jars and installation of Dublier condensers. Recs will be made on conditions applying in each case W
494630	5-21	To S&A	Reqst shipmt from Washington to Bur S.E. flexible shafts for rotary tone condensers W
494929	5-24	To Comdt Washington	Reqst fwd drawings and data, variable air condenser, assigned type number SE 1741 W
497769	6/3	Dept. of Justice	R. Hoguet, special asst to atty general requdst one Dubilier Cond. having internal clamp be furn. W.
FWD TO CARD 93			To Dept Justice- N.Y. has been reqstd deliver condenser to Mr. Hoguet. 6-7
			To Brock- Ask if condenser returned 3/15
497373	6-5	To S&A	Reqst shipmt from FSB to Mr. Hoguet N.Y. City radio apparatus W

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GENERATING SETS BATTERIES

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Number.	Date.	From or To—	Subject.
474513	2/10	To S&A	Reqst shipmt from Wash to Balboa batteries W RB 4/24/ W.
469268 TO CARD 68	FROM CARD 65 New Orln. 4:2 4 L NY - fwds report sheets -4/30-L S&A 5/1 W Pug.Sd. 4/27 L Ports- Subm report 5/4 L 9th Dist- 5/1 L Mare Island- 5/1. W. Boston- Stg.Battery report. 5/11 L Shipt order from Ph to MI 5-13 To Boston. reqst comply with in tructions 5/15 N.Y.- Fwds stg batter report.5/28 L Ports-Radio apprs report. 6/3 W Mare Island- Fwds monthly report on battery charging panels.6/1 W Ports 6/30 W Mare Island 7/1 L		Boston 2/9. Ports. 2/6 Chasn. 2/13 New York 2/4 To SO's fwds copy of letter of 1-15 reqst compliance 3/25 RB 4/7 L Ports 3/27 L N.Y.- 3/29 - L. Norf 3/29 Shipt order from Phila to N.Y. for Ship Bd vessels batteru chargin panels 4-9 (2141) RB 5/18 L Mare Island - Fwds monthly report on charging panels. 4/2 W. To SO via S&A. charging panels for radio batteries 4-16 RB 5/11 L S&A 4/27 Ports. 4/27 L
476910	2/7	Washington	Fwds drawings showing type of construction of variable air condensers used, which involved no patent difficulty. W.
477364	2/20	Boston Copy To Washington- Fwds prints.5-29	Dubilier Condensers tested and rejected; recommends Cdr. J. B. Will and W. J. Wheeler be ordered to Company's works to investigate.W Bost - submits report on tests of Dubilier Condenser at Co's works, with recommendations - 3/10 To Boston- (T) authorize acceptance 5/13 copy Brook Washington- Subm recommendations 1/19/21. W

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Number.	Date.	From or To—	Subject.	
477409	2/11	Elec. Stg. Batty Co.	Fwds bulletins describing portable and semi-portable exhide batteries for use in audion tubes and signal sets W. To Elec Stg Battery Co- no record of rec bulletin- asks fwd 4/6	
476704	2/19	To S&A	Reqst shipment from Washington to Airc Phila. radio storage batteries. W. To S&A amendment of shipt order 3/1 Aircrft Facty- Request authority to replace beds and filling. 8/24 W. To Phila auth granted 8/31	
32615	1/19	To Inspr Brooklyn	Rqsts Inspr Eng Material submit a complete report of condition of transmitting condensers which were taken apart and destroyed. WS	629
478695	3/4	To S&A	Reqst shipment from Boston to Washington radio appr. W	
5128	2/26 3/5	Bost S&A	In connection with condensers recd and damaged condition calling attention to poor method of packing - S	629
460903	3/19	Pug Sd.	Structural details of battery locker, giving location for WYOMING- fwds prints	924

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GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
468572	1/10	Dubilier Cond. Co.	Enters protest against Navy employees publishing articles giving details of condensers manufactured by Company. To- Matter being investigated. 1-17 Fwd Boston. 1-17 RB-1;26 To Dub Cond Co 2/9	W.
467811	1-10	To S&A	Reqt shipment storage batteries from Wash to SE. W	
469972 8	1/8	Fed. Tele.Co.	Ask if satisf to loan Dubilier Cond.Co. a 2 KW arc set on contract 42141 for experimental purposes. To- Not willing to consent to loan.1-19	W
469268	1-15	To S.O. Yards	Charging panels 120 volt, 80 A.H., 140 A.H. and 210 A.H. storage batteries. Radio. Reqts include number in stock in monthly report. L	
9th Dis-1;26 M IS-1;23 Pug Sd-1;27 Boston 1/31 To Boston- asks no of stg bat charg pan as per letr of 1-31 2/5 Mare Island 2/3 To Charleston 2/11			Phila. 1/17 Portx. 1/17 Grt Lakes-1;20 NY-1;21 FSB-1;24	TO CARD 66
469272	1-15	To Inspr Phila (T)	Navy radio is one four naught ampere hours, two is 210 ampere hours and three is 80 ampere hours. L To Inspr Phila- Lists table showing designation of all auxiliary power radio batteries at present in use. 1-20	

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Number.	Date.	From or To—	Subject.	
468306	1-19	To S&A	Reqt shipment condensers from Wash to Boston.W Boston 2/12 To Boston 2/19 Boston-????-1;24	RB-1;30
470766	1;20	Washn	Test of type CD 1453 serier antenna condensers-submits report covering.W	
471510	1-24	To S&A	Reqt shipment rotary tone condenser shaft. W from Wash to to Bu SE.	
472986	1;29	Dubilier Cond Co	Request payments covering condensers shipped from Boston to Washn for test.W To Dubilier Condenser Co- referred to S&A 2/4 fwd S&A 2/9	
473909	2/3	Washington	Have developed calorimeter for measuring losses in mica transmitting condensers; request transmitting condensers be furnished from stock at Bostob to complete test. W. To S&A shipt from Boston to Wash 2/9	
474208	1/29	Sussfeld Lersch & Schimmel	Fwds pamphlet on minos plante condensers mfg by Schott & Gen G rmany W fwd Cdt Wash 2/6 RB 2/14	

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
461496	12/6	To S&A	Reqst shipmt from Washington to Air Mail Landing Field Bellefonte Pa. radio varb condenser. W RB 1/9	
462823	12-12	To G.P.O. (Supt. of Documents)	Reqts furnish 25 copies of " Edison Storage Batteries used in Naval Radio Communication.". W RB 12/17	
463274	12/8	Mare Island	Request consider removal of laden jars and instln of Dubilier condensers on vessels of Pac. Fleet. To Cdt MI 2/9 Mare Island 2/27	m W.
463713	12/16	Bur.Stand.Resch.Labr.	Paper condensers for rejector circuits- report on.	W.
464324	12-26	To S&A	Reqt shipment radio storage batteries from Phila to Wash. W	
465783	12-29	To Comdt Bostn	Radio transmitting condensers number in store at Boston. W Boston 1/5 To Cdt Boston info reqst number condensers in store 5/12 Chasn- Lists condensers at Yard. 5/18 W.	

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Number.	Date.	From or To—	Subject.	
401241	FROM CARD 49		Fwd S&A. 1-8-20 RB 3/23 ~~To~~ Fwd S&A 3/27 RB 4/30. Y Fwd S&A 5/5	
466884	12/31	General Lead Batt.Co.	Ask if any objection to furnishing print of radio batteries to Independant Wireless Co. To- 1-13	W.
466835	1-6	To S&A	Reqt shipment radio batteries from Wash to Dept. W	
467352	1-7	To S&A	Reqt shipment storage batteries from Ny to Wash yd.L	
45228	1/9	Wash	Recommends suggested modifications for mica transmitting condensers be appvd.	629 W

GENERATING SETS; BATTERIES.

Number.	Date.	From or To—	Subject.	
454623	10;28	American RR Corp	Sample mica condenser forwarded to test shop to test, sub spec cov. To Washington 11/3 Washington 11/12 To American R R Co. recs as suitable for lab use but not fitted for present needs of service 12/8 American Railway Corp - reqst return defective instrument -12/11	W
455303	10/30	American R/R/Corpn.	Request authority to subm sample antenna condensers for test. WL.	
454904	10;31	To Dubilier Cond Co	Adv that Wireless Spec App Co was not sup with any drawings which are involved in patent litigation at the present time by this Bu.	
457303	11/11	Bureau of Standards	Ask if specifications covering cut and uncut mica have been prepared; ask if test of phenol methylene type of insulation has been completed. W.	
457940	11-14	Dubilier Cond Co	Rqst shipping instructions covg 50 condensers which have been completed for 2 months- Same were shipt to Bost Yd be retd on orders of Inspr Brook.	W

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Number.	Date.	From or To—	Subject.	
458922	11/19	Inspr Brook.	Confirms telephone conversation requesting have Edison Elec. Stg. Batt. Co. send special Representative to Bureau in conn with batteries for radio work on A and B audion circuits.	WL
458826	11/20	To S&A	Reqst shipmt from Airc Phila to Carlstrom Field Arcadia Fla. stor batteries L	
458941	11/21	To IM Cdt Atl and Pac Fleets, S&A RB 1/9	Reqst batteries removed from vessels upon return to owners, be made available for reissue to the service. W Copy back 12/1 RB 12/8 Puget Sound- No radio stg batteries on hand. 12/2 Great Lakes - 12/20	
459618	11-24	Wash.	Recommendations covg acceptance test of series antenna condensers for 2-KW arc transmitters.	W L
460580	11/29	Edison S.B.Co/	Guarantee of W type cells.	W
461032	12/3	To S&A	Reqst shipmt from Washington to H.Roads 150 radio batteries W RB 12/31	

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.	
449040	10;1	Boston	Regarding special Dubilier condensers.	W
450577	10;9	Phila	Sub report cov advantages claimed in Wilson Primary Battery, asks if shall go on with test. LW To Cdt Phila- test not authorized, as better facil at Yd NY- rec Wilson Elec Device Co be advised of action. L cc to IM NY 10/15	
449013	10;8	TO S&A	Reqst shipmt from Washington to Phila of 100 radio batteries. W	
450610	10;11	TO S&A	Reqst shipmt from Boston to Pg Sd of 25 condensers. RB 2/20	
450722	10/4	Ship Board	Asks what parts City water supply has been approved by navy for use of storage batteries LW	771-2

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GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
450976	10/11	Shipping Board	Fwds copy of letr from Independent Wireless Co concering failure of Navy Dept to comply with instructions re location of storage batteries aboard vessels of Lake type W	771-2
451449	10/15	To S&A	Shipmt reqstd from Fleet Base to Boston storage batteries. L S&A 11-21 Copy of action to FSB.	
451076	10;15	Boston	Asks if Bu has any procedure to re claim damaged mica condenser.	W
450993	10/16	To S&A	Shipmt reqstd from Washington to Radio Divn Room 2430 radio appr for SE W	
48741	10/20	Washington	Subm specifications for vacuum tubes plate batteries W	629
47024	11/28	To Washington Yd	Practically impossible to properly assemble condenser and switch system to inductance system. Rqst. holes in condenser terminals be redrilled. WS	629

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.	
445733	9-15	Washington	Rqst instructions re test of antenna condensers recd from Boston. Washington 11/7-Rqst instrns.	W
445864	9-12	Phila	Memo of phone convsn between Phila and Bur re storage batteries for El Sol and El Oriente.	W
446050	9-16	Dubilier Condenser Co.	States are fwdg to Radio Test Shop Wash Yd 2 models of small condensers.	W
446051	9-17	Dubilier Condenser Co.	State have not yet recd repair order for antenna condensers.	W
446594	9;18	N O	Storage Battery Instruc Book reqstd. To New Orl-Fwds pamphlets on storage batteries. 10;14	
447690	9;24 Norf-Fwds prints of bat box for Stockton. Cross to Stockton-6 10;18	Norf	Box for Willard ampere bat, fwds prints. To IM Norf- reqsons for location reqstd cc to STOCKTON	W 10/9

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
445909	9/19	To Ports	Radio condenser for special use by Bur. To Ports (T) 9/24 Portsmouth 10;20	W
446606	9/22	To S&A	Reqst shipt from N.Y. to Mare Island radio storg batteries. L RB 1/19	
447166	9;23	Dublier Cond Co	Fwds sug for name plate for antenna condenser with 2 kW arc sets. W	
445764	9/23	To Cdt Phila	Radio receiving app for USS NEVADA- error in quoting phone conversation- 6 W	
446859	9/23	To S&A	Reqst shipt from Norfolk to Great Lakes radio storg batteries. L RB 6/9 L	
		9th Dist-Monthly report 11;1	S&A-Copy let to Norf- 10;13 To Great Lakes-Reg preservation of storage bat. 10;14 To G L-Radio storage bat for Ship Brd vessels 10;22	
446860	9/23	To S&A	Reqst shipt from N.Y. to Mare Island storage batteries for radio "A" sets. L RB 2/9 To S&A shipmt reqstd from NY to Puget Sd storg batte y for radio set "A" 10/7 RB 1/8 To Mare Island 3/31 RB 4/14 L	

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GENERATING SETS: BATTERIS:

Number.	Date.	From or To—	Subject.	
442097	8;26	Norf	Charging panel for A B battery with Genco engine set, fwds prints. W	
KW NSA 36/1920	8/27	To S&A	Fwds reqn without action, calling attention to circular letters in re to material for yards also class of material which should be reqstd of Bureau. W	
442637	8;28	Boston	Fwds spec report on antenna cond mfg by Dubl Cond Co. W	
438060	8/6	Dublier Cond Co	Fwds prints showing dimensions of condenser for new design, asks if can substitute for old type.	911
443749	9-3	Washington	Dry battery submitted by Miller, Reese Hutchison Co. Reports on test.	L W
443157	9/4 Phila-reqt addtl wet batteries-12 ;27 To Phila 1-8	To Phila	Comments reqstd in re to sub batteries in wet condition for those in dry condition at Phila. L Phila 9-10 Rec batteries in wet condition be shipt for current installation. L W To Fleet Base- req fwd status of matr 9/24 Fleet Sup Base 9;29 To S&A shipmt from Fleet Base to Phila stor batteries for Ship Bd vessels 10/7	RB 12/8

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GEN SETS BATTERIES

Number.	Date.	From or To—	Subject.	
442693	9/6	To Ever-ready Battery Mfg Co	Req fwd copy of catalog. W American Ever-Ready Battery Co 9-11 Fwds catalog	
443813	9/4	Norf	Gas generating sets at radio compass shore station- casualties to - fwds reports and prints; are manufg new type charging panel W.	919-1
429942	FROM CARD 57 Washington 12/23 Apparatus loaned to G.H. Clark. 12/23		To P Farnsworth- gives results of conference held between Natl Elec Sup Co and Bur- 9/8 Wireless Specialty App. Co. 9-11. Have made arrangements with Geo. H. Clark to represent in conferences. W To Ports- req del to GH Clark mica condenser despatch of 9/23- 9/24 To Natl Elec Co- no objection to giving info to Wireless Co for use in patent litigation 9/24 To NY- comfirms auth by phone del G.H.Clark mica condenser 9/24 See 464624-8961 for further corres. To Comdt Wash. 12/20	
440704	FROM CARD 40		American R&R Corp 9/9 Will fwd sample condenser test shop 9/15.	911
32615	9-16	Inspr Brook	Gives case numbers etc of rejected condensers retd S&W	629

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Number.	Date.	From or To—	Subject.	
439348	8;12	Phila	Determination of capacity for small mica condensers, report cov. W	
439550	8;13	Phila	Fwds copy of spec report on determination of capacity of spec mica condensers. W	
439461	1/2	Boston	Fwds letter to wireless Spec App Co in con with test made on condensers. W	911
440901	8;19	American RR Comp	Fwds spec for Decarde mica-condenser D To Wash-Fwd- 8:23 Amer R & R Corp 9-4 Fwds photo fwd Wash 9/9	
439733	8/21	To Cdt Ph	Instruc for issue of stor battery test sets to Shipping Board vessel will be fwd later W	
5128	9-11	Boston	Fwds Billcovering shipment of condemned condensers to Washington S W	629

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Number.	Date.	From or To—	Subject.
429			
441219	8;20	Boston	Series antenna condenser sub by Dubilier Cond Co, fwds prints of spec report. W To Dubilier Condenser Co- Fwdg 1 blueprint copy of report on test of series antenna condenser, as rqstd- 8/27 To Boston- asks gen review of status of job orders 9/2 Boston 9-15 Gives status of job orders cowg condenser racks. To Cat Boston- req compl place in stock 10/7
440221	8;23	To Wash	Reqst rigid exam be given all future batteries. W Washn-full report on failure of Edison vacuum batteries.9;-0
404057	From Card 50		In regards to condensers shipped in error and marking of same. W

GENERATING SETS: BATTERIES

1919

Number.	Date.	From or To—	Subject.
433715	7/19	To Comdt Washington	Rel to delivery to Radio Test Shop of three storage batteries mfg by Gem Stor Battery Co gives copy of name plate data. Reqst be given test W Wash 9-3 Reports on test.
435643	8;8	NY	States Edison Sto age Bat returned to vessel 7;14
435199	7;22	NY	Parts of Dublier telefunken and RC condensers fwd to Bu 19th. W
434713	7/26	To Dubilier Cond Co Wireless Spec Co American R R Corpn	Reqst be fwd covering method employed at plant for applying electrical test on mica. revision of navy specfns. W American RR Corp. 7;28 Dubilier Cond Co-Fwds samples with detailed comments. W 7;28 Wireless Spec App Co-Sub infor re method used in test of electrically mica use. 8;1
435646	7/29	To N.Y.	Report of action reqstd, disposition of Edison storage battery type A6 SS TURIALBA W To Ind Mgr NY- Desires steps be taken to satisfy Tropical R T Co that the section of battery in question has been retd to them- 8-27 To NY- dispo of battery 10/1
436438	7;18	Lt G H Lewis	New York 10;10 Investigation on collection of condensers, sub detailed report on. W
427814	8/20	To Annapolis	Req summary of info held by Lt. W. A. Tattershall and Mr. Delish attached to Sta in re to development of mica condensers 896

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Number.	Date.	From or To—	Subject.	
436644	7;31	Dublier Cond Co	Reqst report of test on mica transm condensers sent to Washington Yrd for Test. W fwd Washington. 8/7 Wash- Fwds graphs of test of Dubilier transmitting condensers. 10/31	
437356	7;30	Dept	Fwds pamphlet on radio storage battery.	W
437210	8/6	To Philip Farnsworth	Fwds sample mica condensers.	
437216	8/6	To Comdt Washington	Reqst tests be made, to determine power losses in high voltages high frequency mic condensers W Washington 1/19/21. W. To Washn- 1-25 To Washn 1-25	
438794	8;8	Boston	Reqst drawings showing condensers racks for 7 standard mica condenser units. W To Boston- fwds prints 8/14	
440704	8/19	Railroad Corp (American)	Fwds photos cov condensers. W.	

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GENERATING SETS: BATTERIES

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Number.	Date.	From or To—	Subject.
427581	6-20	To Inspr NY City	Confirms phone conv Mr. Bloomsburg and Bu. rel to del of motor buzzer set direct to NEW MEXICO as reqst in amendment to contract info be given to Bu with that in re to army stor batteries
418212	6/24	Fwded Communications	Bureau reqstd in SO of 5/10 Fleet Base to issue all lightvessels equipped w stor batteries one small testing set lead acid type W Fwd Communi atio s 6/28 fwd Commun 7/24
428787	6;26	American RR Corp	Fwds photoes showing mica cond sub to Boston Yrd for approval. To- acknow rec of photos 6/26 req report be fwd covering internal construction of type " A" mica condenser 7/1
429942 SEE 60	7/3	To NY correspondence fwded- Tel referred to not yet located 8/12 To P Farnsworth-will fwd info upon receipt of, and endeavor to obtain condenser of construc required for exhibit 8/13 P Farnsworth 8;18	Bureau of SE collecting evidence in conn with patent suit covering mica condensers, reqst cooperate W To IN NY- req Mr Philip Farnsworth be permitted to visit yard NY for purpose of collecting data 8/8 To Boston ditto Boston yard 8/8 To Mr Philip Farnsworth Tel above 8/8 To Philip Farnsworth- Calls attention to
430916	6;17	Phila Phila-1;30 To Comdt Phila req fwd drawings 4/15 To Comdt Phila via S&A- disappvl 5/11	Reqst 10 bat charging panels be carried in stock avail for instal on destroyers. W Phila - Request action 12/16 Phila - reqst action - 4/10 - W Phila- Battery charging panel- fwds print 4/24 W.

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GEN SETS : BATTERIES

Number.	Date.	From or To—	Subject.	
431334	7/10	To S&A	Reqst shipt from Washington to Phila radio batteries W RB 8/23	
431685	7/11	To S&A	Reqst shipt from Phila to Wash storage batt L	
431982	7;2	Dublier Cond Co	Sub list of customers other than Gov in con with license agreement. W Cross to 896	W
432646	7-16	To Comdt PHila	Specifications for Mica Transmitting condensers anf protective devices. W Fwds.	
432649	7-16	To Washington	Fwds report of investigation of German submarine type transmitter condenser. W	
8 432460	7/11	NO	Recs that some type of rectifier be sup Galveston and Port Arthur, of storage battery. W. To NO- will arrange for ship if equip can be used 7/23 NO-Recs 2 commutators rectifiers be sup for audion battery to Port Arthur Station. To NOe rel to shipment 8/11	882-2 8;4

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GENERATIN G SETS BATTERIES

Number.	Date.	From or To—	Subject.	
419658	5-21	To Gem Storage Bat Co	Asks submit samples that will comply w specfns as given: W. Gem Storage Bat Co-Can make delivery of samples about June 10. 5;24 To Gem C o.-Asks info time of ship 6-17	
419626	5-22	To American R&R Corpn	Advises Dub Cond Co has submitted to Bureau for approval name plates which they have supplied with series antenna condeneers for model "L" transmitters, approved. W	
419993	5-22	To S&A	Req ship from NY to Phila, 50 battery charging panels 1. S&A 7;22 fwd S&A 8/7	
~~45920~~	~~5/26~~	~~To N.Y.~~	~~1/2 KW emergency transmitter instruc-~~	~~629~~
45920	5/23	Liberty Elec. Corpn.	Subm report on test of dummy antenna, eliminating trouble. W&S	629
421392	5;26	General Radio Co.	Reqst assign type number to air condenser fwds prints showing engraving. To- assigns type number 5-31	W
44578	5/26	Inspr Westinghouse	Fwds test reports and prints on 10 KW turbo gen sets. S.	629
42141	5/27	Crocker Wheeler Co.	Fwds prints covering detail of 2 KW motor gen sets. W&S.	629

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Number.	Date.	From or To—	Subject.	
422699	5;29	Dublier Cond Co	Fwds prints showing type CD 3536 cond asks if sat.	W
423274	6;4	Ph	Conf tel conv asks if new type of Dub cond for transm fit stand. To Condt Phila- reqst mod dimen be fwd 6-17 Ph-Fwds prints showing alterations. 6;25	W
45228	6/12	Phila.	Fwds copies of reports of tests of antenna series condenser. W&S.	629
425819	6;16	Kilborne & Clark Co K C Co	Fillers for Crocker Wheeler Machine, asks if can rec order cov.	W
426825	6;18	Ph	Reqst expedite delivery of audion storage battery and number suf to meet existing demands To Phila nec to sub type Cu 887 type 353 5	W 3/3
427252	6-21	To S&A	Req ship from Norf to K W radio stor batt RB 8;6	L

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
417812	5;10 5;13	3rd Dist Com	Fwds copy of instruc for maintenance lead acid stor bat, also record forms, reqst instal spec be made carefully when drawn up.	WL
418212 see 57				
418409	5-14 Wash - report covering constrn of experimental moulded condenser - 5-26	Wash To Washn- appvl 5/13	Rqst auth to construct experimental model of a variable air condenser with moulded parts. EX To Washn Yd- author proceed with construc allots 200 5-27	
418556	5/14	Boston	Fwds cards correcting balance of mica transmitter condensers W.	689-1
419103	5;16	Dublier Cond Co	Reqst assign tem type number ti series cond to be used on 2 kw, fwds arc, set. To DubBCo- policy o Bu does not prmit type nos to be assigned appr. for lack of test not approved W 5-25	W
419121	5;16	Norf	Shore panel for Sperry buzzer set and bat for audion detector, fwds prints. To Norf- reqst info type of installn 5-26	W
419353	5;16	Phila	Storage battery, conf tel conf relative to supply of.	W

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GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
418816	5-17	To S&A	Req ship from Washn to C&R one radio battery W RB 5;23.	S
419626	5;19	Dublier Cond Co	Sample name plate attached to antenna series condenser sup to American RR Corp for emergency spark transm.	W
419299	5-20	To Phila	Reqst expedite shipment, 3-29 to Phila and SO of 3-29 to Phila and Norfolk W Material for Boston Phila 5;23 Phila- 5;27	
420191	5;19	Phila	Conf tel conv in con with various test of mica cond for radio transm.	W
420271	5;21	Boston	Submits report of test of type A mica condenser mfg by American RR Corp.	W
420269	5;21	Boston	Submits report of test of Wireless Spec App Co. model, L series antenna cond.	W
407400	From Card 215		Wash-Cond sent by Bu Stand for test, reports on.	898

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GENERATING SETS BATTERIES

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Number.	Date.	From or To—	Subject.	
OLD NO 5 323852 SEE CDS 34-38	5-6	To Comdt Phila	Reqst test of condensers fwd to Lab on 5-2 Dubilier Cond Co. W To Phila- asks when reply be made to letter of 4-29 and 5-6th 5-15 Dubilier Condenser Co 5/24 To Dub Co- confirms phone conversation CD 3536 trans cond reqst remainign cond be supplied congr 1631- 5-29 To Phila- re above 5-29	re sample
			Phila-Report of test of transm cond. 6;4 Phila- wds report of test 6;5 To Dub Co - fwds print copy of report outlining report of tests 6-10	
45919	5/3	Boston	Fwds special report on serien antenna condensers wireless Spec Apparatys CO W&S	629
45919	5/3	Boston	Fwds special report on series antenna condensers Dubilier Condenser Co. W&S	629
417005	5;7	Phila	Fwds report on antenna series condensers for use on destroyers.	W
416988	5;3	Inspr Fed	Antenna series cond for 2 kw arc radio transm set, fwds copy of correspondence Fed Tel Co and report on test of those mfg by Dubl Cond Co.	W
418212	Old	Number	Pensacola-Weekly report 6;23	

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Number.	Date.	From or To—	Subject.	
417068	4;28	Dubilier Cond Co	Reqst capacity fo series antenna cond used with 5 and 10 kw set.	W
416377	5-8	To S&A	Reqst shipment from N.Y. to Washn 2 32 volt 40 ampere hour radio storage batteries.	L
417514	5;9	Gem Storage Battery Co	Fwds set of curves showing performance of vacuum tube circuits.	W
45920	5/9	To N.Y.	Fwds copy of specifications cov requirements of series antenna condensers- desires to mount directly on panel. W-S.	629
45919	5/9	To Dublilier Cond. Co.	Fwds copy of report from Boston, on performance of series antenna condensers. Gives type number assigned. W-S	629 T
5128	5/12	Boston	Recommends 10% plus or minus capacity valuations be incorporated in specification for antenna condenser. W.	629
418133	5-14 Phila 6;3 Phila-Wireless Spec Co cond, report on test. 6;9 Phila-Fwds test report. W 6;9 To Wireless Co- asks fwd drawing show dimen etc of condenser 6/26 To Phila reqst fwd copy of report 6/26	To Comdt Phila	fwds cy of letter of 5-14 to Wireless Spec Co re test and approval of 02 microfarad type condensers W To Wireless Spec Co- cc to Comdt Phila reqst four protective cond be fwd to Phia 5-14 Wireless Spec App Co 5/23- 4 protective condensers being shipt - To Phila- reqst test of 5-28 Phila - 7;1	

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.	
340719	From Card 38		Norf - 4;26 Phila-Weekly report 5;10 Norf-Weekly report 5;12 Phila - Weekly Report 5;17 Phila-Weekly report 5;24 New Orleans-Weekly report 5;24 New Orleans 6;12 Phila-Weekly report 6;21 Phila-Weekly report 6;28 Phila-Weekly report 7;5 Ph- 7;12 Phila-Weekly report 7;19 Phila-Weekly report 7;26 Phila-Weekly report 8;16	
414082	4;26	Phila	3 condensers fwd to NY, reqst further delivery from Dubilier Co be expedited.	W
414174	4;23	John C Cooper Jr.	Asks if navy will sell any B batteries.	W
414619	4;28	Dublier Cond Co	Antenna condenser for model L spark transm, reqst write American R Corp in con with.	W

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Number.	Date.	From or To—	Subject.	
414683	4;19	Bu Stand	Report on capacity of condenser sub by Dubilier Cond Co.	W
415468	5;3	TO S&A	Received back5;31 To Ports Tel 6-10	
415494	4;30	Dubilier Cond Co	Reqst report of test of sample cond used on emergency transm.	W
414732	5;2	TO S&A	Reqst ship from Phila to New York of transm condensers. Shipment made-7;8	W
415829	4;24 CD 158B, 5-6	MI	Fwds prints showing off set for aluminum casting of mica cond. To Dub Co- reqst info re deviation made from specfns 5-6 To Comdt MI- not desirable to modifiy rack as type of cond superseded by type	W
416154	5;23;18	Western Elec Co	Sub infor capacity of cond mfg by Co.	W
416156	1;22;18	Washington	Fwds prints showing construction of box to hold dry cell batteries.	W

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
409049	4-8	To S&A	Req shipment fro Washn to NY radio storage batteries W	
409063	4-9	To S&A	Reqst shipment from Fleet base to Phila 75 radio batteries W To S&A- re maintenance of stock of batt. 4-11 To NY- Reqst mfg of batteries. 5;2	
396944	2/8	S&A	Submits detailed report of Navy Mica Expert covering production etc. L.	672-2
410387	4-12	To S&A	Reqst shipment from Washn to Room 2432 two batteries, three vacuum tubes W To S&A req. ship from Wash to Navy yard batteries and vauum tubes. 6-9 fwd S&A 7/11	
411080	4;14	Wireless Spec App Co	Req assignment of type number to condenser left at Bureau.	W
411119	4;14	1st Dist 607	Req 15 copies of "Navy Type Issue Storage Boat" published by Washington Yrd. To Newport- fwds 15 copies publication 4-17	L
411109	4;14	War Dept	Fwds copy of radio pamphlet entitled "Primary Batteries" To War Dept- acknow receipt of 4-18	W

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Number.	Date.	From or To—	Subject.	
411461	4;14	Boston	Conf tel conv relative to test Dublier antenna condenser.	W
413111	4;22	Bu Stand	Fwds report on test of mica condenser furnished by Dublier Condenser Co.	W
413256	4;22	Dubilier Condenser Co	Req render American RR Corp interpertation of spec of antenna series condensers in con with terminals.	A
413227	4-24	To S&A	Req shipment from Washn to Phila radio stor batteries, W	
413238	4-25	TO S&A	Reqst shipment from Fleet Sup Base to Boston Yrd of radio batteries.	W

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
406266	3;26	Boston	Conf tel conv in con with test of antenna condenser.	W
390393	3/26	To Norf	Have dir shipt of eng driven battery charging units for install at isolated shore radio sta for battrry charging puposes W	793-5
NSA 2263	4-14	To NY	Info reqst need of type apparatus. W	
406459	3;28	Dublier Cond Co	Fwds photo of stand box with insulated base.	W
60 406200	3-29	To S&A	Reqst shipment from Phila to B oston, two 12 KW engine driven battery charging units- contract 40670 reqn 57- RB 5;19 To Phila- Tel asks status 5-27 Ph-Tel- material shipped. 5;28	
312852	3/26	SEE CARD 182 Shp Bd.	Fwds cpy instructions to district managers concerning use of radio storage batteries.	771

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Number.	Date.	From or To—	Subject.	
408205	4;2	Boston	Fwds special report on Dublier Condenser.	W
407416	4-3	To S&A	Reqsts SO Boston be directed to maintain stock of fifty dry cells type CBG 3535 batteries— W	
408393	4;2	Washington Yrd	Changes in design of Edison Storage battery sub quotations.	LW
408677	4;5	Dublier Cond Co	Sug Bu obtain copy of report of test of condenser from Bu Stand.	W
407417	4-3	To Norf Tel	Re batteries expressed from Washn. W	
407969	4-4	To S&A	Req shipment from Fleet Base to Boston radio batteries W	
409052	4-8	To Dub Cond Co.	Re adoption of policy of furnishing contr descrip and photos illustrating, standard navy prts, transmitters W	

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GENERATING SETS; BATTERIES:

Number.	Date.	From or To—	Subject.	
402747	3;14	Dublier Cond Co	Cond shipped Phila Yrd, req copy of cont.	W
403493	3;17	(Dub) Dutschlier, Boston	Cond not being tested, awaiting word from dept, req action.	W
402499	3- 17	To Mare Island	Request shipt of material from Hawaii to Mare Island. MI-3;28-Tel-No panels available for ship to Pearl Harbor. To MI- reqst to apply 3 of panels SO 3-18 to SO 3-15 3-31 MI-Req action. 4;1 Tel MI- Req action 4;5	
404057	3;19	Dubl Cond Co Dublier Cond Co-Req report. W 4;9 To Washn- fwds sample cond for test 4-21 Dubl Cond Co- 8;27 Wash 6/13 Report of test of condenser submitted by Dubulier Cond Dub Cond Co-Req fwd cond 7;3	Fwds prints of cond of improved construc, sub Boston for test. To Washn- fwds copy of ltter Dub Co 3-31 To Dub C o- reqst fwd addtl samples re Washn Radio Test Shop 3-31 Dublier Cond Co- 7;16 To S&A req ship from Bo ton to "ashn radio trans condensers 4-12 Req disposition, of material. ret to Dub Co 7/8	W
404040	3;18	American RR Corp		

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Number.	Date.	From or To—	Subject.	
404200	3;19	Wireless Spec App Co	Fwds prints showing relation of tem rise on mica condenser.	W
404529	3;20	Dublier Cond Co	Sub report of test of transm cond made at Boston Yrd by Mr/ Dublier. fwd Boston 3-25	W
			Boston-Comments on test Dublier Cond Co. 4;3	W
404885	3-20	Boston	Confirms tele convrns rel tive to Diblier Antenna condensers being tested at yard.	
386946 see 44	3-26	To Inspr NYS	Reqst info status of instrucns re care and preservati n of batteries-	W
405381	3;24	Boston	Conf tel conv in con with test of Dub series antenna cond. To Boston-Sample cond sub by Dubilier Co 4;29	
404511	3-24	To S&A	Req shipment from N. Y. to Mare Island 150 32 volt 35 amp hour radio telephone storage batteries, RB 8;4	

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
401630	3;8	Boston	Conf tel conv rel to voltage test on antenna condenser.	W
400175	3-7	To Dubilier Cond Co To Wireless Specialty Co	Fwds for info Minutes of Conference held Jan 10th re stand mica transmitting protective devices-	
401061	3-11	To Washn	Rqst report upon completion of tests Dubilier condenser, new spec type- Wash Ifd-Fwds report of test of Dubilier Cond Co. W 4;3	
401241	3-111 Fwd Cndt Boston. 12-20 To S&A. 12-20RB 1/3 S&A 12/30	To Boston CARD 64	Reqst investg of faulty condensers and report fwd. Boston-States cond not yet received. 9;27 fwd S&A 11/25 RB 12/18	
390974	3/5	To COPROMETHEUS	Asks info re necessity of fwdg matrl list unless otherwise will discontinue same	689
396850	315	To CO MELVILLE	Asks info re necessity of fwdg matrl list unless otherwise advised will discontinue same	689
396851	3/5	TO CO BRIDGEPORT	Ask info,ew of fwdg matrl list for unless otherwise advised will discontinue same	689
396852	3/5	to CO PANTHER	asks info re to necessity of fwdg matrl list for unless otherwise advised will discontinue same	689

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Number.	Date.	From or To—	Subject.	
394612	2/15	To, Wireless Spc App Co	Fwds copy of report of conferance at BU SE 1/10 to determine and arrange specfns for all types of transmitting condensers employed in Naval Service Reqst comments W	898
401835	3;12	Dub Cond Co T	Will change quotations for 90 cond at $145 each.	
401978	3;12	Dub Cond Co	Req make payment of 20 mica transm cond ship to Boston Yrd for test, fwds invoice. fwd Boston 3-25 Boston 10;8	
402373	3;12	Dub Cond Co	Sub infor material on hand for mfg cond req be favored with order for 3,000 to use type material also to hold up organ for. Fwd Boston 3-19 RB 3;29 To Dub Co- comments re 4-3	
402292	3;12	Dublier Cond Co	Req seals of cond ret to Co remain unbroken if same are to be accepted.	W

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GENERATING SETS: BATTERIES 1919 48

Number.	Date.	From or To—	Subject.	
352440	10/28	Boston (CRD7) Tel	Delivery of condensers promises 30. To Bost (T) Expedite reply to Bu ltr 10/24 for 10 emergency radio transmitters W	885
376908	12/10	Wireless Spec Co	Suit entered by Dubilier Cond Co cov infringement on patent on mica condenser req Bu vieuw on defendant suit W	896-1
383127 see 43	2-26	To US Heat and Light Corpn.,	Info re 120-volt 80 140 and 210 ampere hour radio storage batteries- for use on merchant vessels- To T- asks expedite 2-21 reply to letter Jan 25th re data radio stor btteries	
395639	2-25	To 9th Dist T	11220 supply of jar racks and leyden jars condensers to shor stations authorized-	
390054	2-25	To S&A	Lists items on contract with Dubilier Cond Co authorizes to place in stock-	

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GEN SEGS BATTERIES

Number.	Date.	From or To—	Subject.	
398026	2-27	To S&A	Reqst shipment from NY to Phila radio stor batteries	
398028	2;29	TO S&A	Received back 4;9	
399525	2-26	Chas Dushkind	Fwds statement of invaluable services rendered by Wm Dubilier- Recommends be given medal if in accordance with Navy Code - To Chas Dushkind- advises no award being made 3-7 To- no awards being made at this time 3-8	
399038	2;28	1st Dist	Sub report of receipt of defective cond from Dubilier Cond Co. To Boston- asks report 3-11 Boston-20 cond tested. 5;8	W
390511	2/17	6th Dist	Copy of ltr to NY regts expedite shipmt of radio, matrl W	607
400656	3-10	To Dubilier Cond Co	Confirms verbal statement to Mr D. assigns provisional type C.158B applying to transmitting condenser capacity 0-00 mds. Dub Cond Co-Fwds prints and vandykes of transm cond. 3;19	
	8	To Boston- Dub Con reqst to sub samples, asks investi and rept 3-31 Bost 9-17 States have no record of Bur letter 3/31 referred to.		
400892	3-10	To S&A	Reqst shipment from NY to P hilaradio stor batteries S&A-Gives status of shipmt. 9;23 fwd S'&A 9/27	
400893	3-10	To S&A	Reqs shipment from NY to Boston radio stor bat RB 5;13	

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.	
396493	2;18	Crocker Wheeler Co	Quotes prices for motor generators for 2 1/2 kw bulb transm.	W
395620	2/19	To C. Phila.	States that shipping instruct. are contained in ref. (a). (3letters) RB 5;28 To— States that mangr. of yards are authorized to make installation. 2/20 To—Reqst. shipt. of panels from Wash. to Nor. for Navy Yd. 2/19 To—Reqst. shipt. of panels from Wash. to NY for Navy Yd. 2/17 To—Reqst. shipt. of panels from Wash. to Phila. for Navy Yd. 2/18 To-Reqst. shipt. ofpanels from Ships. 2/24.	
395989	2/17	RA	Asks of Bu disapproves placing order with Dub Cond Co for mica condansers	9 11
396551	2;18	1st Dist	Sub report on mica cond, sub by Dublier Cond Co.	W

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
396639	2;20	9th dist.	Tel. req' auth. to supply 1 gyro and leyden jar condenser to eagh of Gt. Lake shore stations as needed W
395539	2/21	To Burgess Co.	A ks to be informed when shipt. made. Burgess Co-Sample of bat to be fwd for test. 2;21 To Washn- reqst exam of sample and comments re 2-28
		Burgess Battery Co - 3;19 To Washn- reqst report and com 4-1 Wash-Report of test on Burgess battery. 8;19	Burgess Bat Co-Asks where shall sub sample vac tube plate battery for test. LW 2;15 Burgess Bat Co-3 samples being fwd to Wash Radio test shop for test. W 2;24 To Burgess Co- asks approx quotation 3-8
396469	2/21	To Solicitor	States that B. draws its reqst. that steps be taken to prevent the referee from compelling the DeForest Co. to furnish data. To---States that you are entitled to leniency for a delay in complying with the order. 2/21
397162	2;21	1st Dist	Req copy report cov conf held at Bu to determine and arrange inspec of transm cond.

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Number.	Date.	From or To—	Subject.	
392693	2/4	3d Distr	Comm 2/6 recommends condenser units of transmitter be changed fro Leyden to those of Dubilier type D	823
393016	2;6	Dublier Cond Co	Fwds print of type of mica transm cond.	LW
340719	SEE CARD 43 Phila-Weekly report 3;8 Phila 3/4 Norf-Weekly report 3;11 To Boston- re discontinuance of weekly report- 3-14 Ship Brd-Status of storage bat. 3;11 Boston 3;15 Ph-Fwds prints 3;15 Norf-Weekly report 3;17 Phila - 3;29 Norf-Weekly report 4;3 Norf-Monthly report 4;4 Norf-Weekly report 4;5 Phila- Weekly report- 4;9 Phila-Weekly report 4;12 Phila - 4;19 Phila-4;16 Phila-Weekly report. 5;4		MI-Fwds weekly report. 2;3 Phila - Fwds weekly report. 2;8 Boston- Fwds weekly report. 2;7 Ports - 2;8 Norfolf - Sub list of req. 2;8 Fleet Supply Base - 2;8 New York-Weekly report. 2;8 GL-H 2;8 Pg Sd-Fwds weekly report. 2;8 Ship Brd-Sub further information. 2;14 To Phila- Rqst furnish Bur if 100 addtl batteries were recd- 2/17 To---States that B. is supplying batteries for the Shipping Board Vessels in accordance with construction program 2/19 MI-Weekly report 2;14 8th Dist-Weekly report 2;18 Pg Sd - Weekly report. 2;13 GL-Sub weekly report 2;19 Fleet Sup Base - 2;24 Boston-Fwds report. 2;21 New York 2;24 Great Lakes- 2;27 Boston 2;28 Great Lakes 3;3	

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Number.	Date.	From or To—	Subject.	
392606	2-8	To Comdt 1st Dist	Rqst tests be made on ships antennae to determine whether series antenna condenser Type CD-1453 manfd by Dubilier Cond. Co. may be used with 1/4 KW emergency sets, type CR-932-W Boston-Reports on experiments of Dublier Co. W. 2;24 To Boston- reqst Bostn Yd extend expr beyond what contained in report 3-11	
394172	2;11	Dublier Cond Co	Have large quantity of mica in stock, req be consid in placing orders for condensers. To---States that B. is not in position to extend the stock of mica condensers. 2/19	W
395327	2-17	To S&A	Rqst shpmt from N Y to Boston, 40 storage batteries- L Shipment 3;27 Received back 4;5	
41715		2/18 Phila	Radio storages batteris quotes recpt of shipt orders covg 144 instead of TOO as called for by contract L	629
395539	2;15	Burgess Bat Co	Req authority to sub sample vacuum tube plate battery for test. Wash-Sub report of test of battery sub by Burgess Co- 8;11 W	LA

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
388610	1;23	Dublier CondCo	Req report of test antenna condensers at Boston Yrd. To Boston- Re above- 2/11 Boston-Reports on varification of experiments of Dublier Co. W 2;24 Boston 3/4	W
388582	1-27	To S&A	Reqts shipmt from NY to Norf- 1 Genco Battery charging unit RB 24	W
388920	1-28	To Dubllier Cond Co	Asks 3 vandykes of 1217A series antenna condenser Dublier Cond Co-Fwds vandykes antenna condensers. 1;29	W
389361	1-28	To International Radio Tel Co- Fwds bprints as listed		W
388903	5;17	Crcoker Wheeler Co	Asks if will have test of resistance made at yrd.	W
390054	1;27	Boston	Submits report of Dublier transm. cond at yard. S&A 3/4copy of ltr to Boston rqstg establish standard stock of transmitting condensers - W	W
389782	1;28	Dublier Cond Co	Fwds schedule showing insulating head instal in condenser to prevent direct discharges, asks if shall instal on future orders. To asks comments re 2-4	W
	To---Bur approves above 2-10			
392795	2-5	Inspcr Brooklyn	Conf tel cony in conn w shipment of Edison Storg Batteries from New York warehouse of signal corp W	

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Number.	Date.	From or To—	Subject.	
390389	1;25	2nd Dist	Lists damaged storage batteries available for disposition. To Newport-Batteries will be turned into to Newport for repairs 2-3	L
45228	1/14	To Phila	Trasnmiting condensers-requ be advised of need of condensers and detaliedstatement of failures in order to replace W	629
390380	1;29	Phila	Conf tel conv in con with shipment of Dublier Condensers for 126 meter sets.	W
390798	1;31	Dublier Cond Co	Asks bureau to write letter in order to secure passport to England. To——Bur has no objections to your applying for passport- 2/11	W
391059	2;1	Dublier Cond Co	Fwds cover used on all first type condensers, comments on experiment baka light dilecto for instruc of condensers.	W
390387	2-3	To S&A	Reqts shipmt from NY to M Is- 6 radio storage batteries RB 6;9	L
391857	2;4	Inspr Brook	Conf tel conv in con with Sig Corps, can make shipment within 48 hours upon receiving bill of lading.	W

GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.
385144	1;6	Phila	Dimensions of condensers for transm, conf tel conv. W
385252	None	To M. K. Hutchinson 8;16;18	Report of complaint rec from station of elec light being spilt out of battery due to rough handling in transit; req elec lights in future be shipped sep package. WL
373013	SEE CARD 41		To Federal Tel Co- Bu auth use of Wireless spec condensers in connection with arc type transmitters being manf by Dept 1-13
385549	1;13	Sig Corps	BB-2 battery, sub infor in ref to deliv of, on order calling for 7,000 W Inspr Brook-Conf tel conv in con with immediate shipment of batteries 2;4
386946 To-Reqst complete list of batteries shipped. 2/21	1-21 Inspr Cramps - 1;31 Inspr Union - 1;29 (SEE 50) To Inspr NYS. Rqst batteries be shipt to Phila Yd for care and preservation. Await comments before issuing shpg order 2-10 Inspr Fr -Delivery of equip per month. 2:8 To Inspr Beth- Rqst reply- 2/13 Lists info desired re batteries required- 2/15	To Inspr NYS	Asks No of radio phone batteris needed for Destroyers building at NYS L To Inspr Cramps- ditto 1-21 To Inspr Machy-Cdt Chasn- ditto 1-23 To Isnpr Cramps- asks info as to number bat - required 1-25 Inspr Union 2;21 Charleston - 1;25 Boston 3;19 To Inspr CRamps- Asks reply to Bu lets 1-20th and 1/-25th 1-30 Inspr Fr -Req issue test instruc to obt (radio set. 3;25 Inspr NYS-Recs unsat boat be fwd to Ph. 2;13 To Bost n- reqst infor 3-12

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
388266	1;22	Boston	Conf tel conv relative to stock of transm on hand at Boston Yrd, from Dublier Cond Co	W
387657	1/21	Boston	Req special aloptement in conn with test mica condenser at Lab of $250 W	898
388628	1;23	Phila	Sub infor in con with defective condensers in transm, sub by Dublier Cond Co	
388355	1;23	Phila	Sub descrip of apparatus for making voltage test on productive device condensers.	W
388598	1;23	Wireless Spec Apparatus Co	Req spec for condensers to be held open until suggestions received.	W

GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
379163	12-21	To Dubilier Condenser Co	-Informs reqtn being issued for 85 additional type CD-3536 transmitting condensers Dublier Condenser Co-Req assistance in set matter with Phila. 12;26 Dublier Cond Co-Req advise Phila of correct number of condensers wanted. 12;26	
381032	12-30	Cdt Phila and Bost	About to revise specifications covering condensers for purposes listed-Asks that rep be present at conference	12-30
340719	SE CARD #(39 OVER Ship Brd-Fwds copy of let from American International Ship Brd Co giving infor, L 1;18 Ports-Weekly report 1;18 9th Dist-Weekly report. 1;19 To Fleet Supply Base Brook- Only 1 report recd 1-23 To Phila-ditto 1-23 Pg Sd-Fwds weekly report. 1;18 Portsmouth- 1;25 GL- 1;23 Norf- 1;23-Weekly report. Phila- Weekly report 1;27		To GL- Fwds copy of SE let of 8-27-18 as reqted 12-21-18- 1-2 To Ports- Fwds copy of SE let 8-27th 1-2 Pg Sd- Weekly report 12;23 New York- Weekly report 12;31 Pg Sd- Weekly report 12;28 Fleet Sup Base 1;2 Mare Island 12;27 8th Dist-Weekly report. 2;5 Norfolk- Weekly report. 1;4 Dist Radio Officer-Sub weekly report. (12) Norfolk- Monthly report 1;7 Pg Sd- Fwds weekly report. 1;4 Pg Sd-List storage batteries req. 1;3 9th Dist-Lists batteries on hand. 1;13 New Orleans- Wekly report 1;11	
382300	12;31	Phila	Test of condensers, recs method to be ~~installed~~ followed. Pg Sd - 1;13	
381058	12/31	To S&A	Reqst shipment from NY to Boston rdaio storage batteries for installation on destroyers in Yards L	496

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GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
383127	1-8	To Firms-	Asks data as listed applying to 120 volt 80 140 and 210 ampere hour radio storage batteries	W
Ro——Reqst. that matter be expedited. 2/21				
	43	Gould Co-Sub mat req. 2;4	Elec Storage Battery Co-Fwds prints 1;13	
		Gould Stor Bat Co-Sub report 5;12	Phila Storage Bat Co-Sub infor req. 1;11	
			To Firms -Asks reply to above 1-27	
			US LIGHT & HEAT CORP-Sub infor req. 3;4	
			Phila Storage Battery Co- Fwds copy letter 1;11	
			Gould Co - 1;29	
			US Light & Heat Corp-Req copy let of 1;25	W Tel
384152	1;9	Dublier Cond Co	Calls attention to results from test now being made at Phila on condensers. W	
379158	12/21	To Dist Comm Supt NY	Calls attention to tone filter and transf brought out by Telefunken Co. W.	898
383135	1/9	To Phila	You are advised the Dublier Co has fwded 3 SE 3536 transmitting condensers to points as listed. W.	type 898
340719	SEE CARD 39 OVER & CARD 46		To N Orl- Fwds copy of Bu let of AXXX Aug 27th	
	Boston-Fwds weekly report 1;24		To Pg Sd- Asks investigation of 1-10	
	9th Dist - 1;25		discrepancies in list of radio batteries	
	Fleet Sup Base-List batteries in stock		listed 1-11 Boston-Fwds weekly report 2;14	
	To 12th Dist-(T) Arrangements made		Boston-Weekly report 1;17	
	by Shipping Board satisfactory		1-25 Columbia Gas Engine School - 1;17	
	MI- Fwds weekly report. 1;21		Norf- Weekly report. 1;18	
	8th Dist-Weekly report 1;29		MI-Fwds weekly report. 1;13	
	To M Is- Asks reply to Bu let 12-23rd		New York 1;21 GL-Weekly repor 2;3	
	Pg Sd - 1;28 1-31		Mare Island 1;23 S&A-Fwds copy of let from	
	Fleet Supply Base - 2;3		Ports - 2;1 MI 2;17	
	Mare Island - Fwds weekly report.		Boston 2;1	
	1;27 Norf- Weekly report 2;1		Great Lakes 2-4	
	Phila 3/1 weekly report		Norf 3/1 weekly report -	

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GENERATING SETS:::BATTERIES.

Number.	Date.	From or To—	Subject.	
376908	12/10	Wireless Spec Co.	Suit entered by Dublier Cond Co cov infringement on patent on mica condenser. req Bureau's view on defending suit. W.	896-1
377737	12/13	?	Copy of letter to Edison Storage Battery Co. submitting recommendation for design of new Navy Standard Storage Battery	
340719	12/17	See card 39 - 43 Boston-Weekly report. 1;11 New York-Weekly report- 1;11 Norfolk - 1;10 Ports-Submits report 1;11 12th Dist- Asks if storage batteries are to be eliminated. 1;15 Phila-Weekly report. 1;22 Phila - 1;28 Great Lakes-Weekly report 1;29	Bu directs that rprt of number of radio storage batteries of various types on hand be submitted weekly. To Norf--Desires that 180 A.H. batteries appear on weekly rprt under title of auxiliary lighting. 12/12 To Yds & S.as--Bu rqsts weekly rprt of radio storage batteries be continued. 12/11 Fleet Sup Base- Will fwd report. To Ports-Gives forms for amendment of report of radio batteries- weekly 12-23 Portsmouth 12-28 Weekly report.	
397379	12;17	Dublier Cond Co	Fwds prints of mica condenser. W	
379744	12;19	1st Dist	Fwds special report on type CD 192 mica condenser. W ~~Boston-Reqst copy of report on cond.~~	W 5;5
380382	12;23	Dublier Cond Co	Fwds copy of "Electrician" showing advertisments of England which will be devoted to mfg of mica condensers.	

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.
380108	12;23	1st Dist	Fwds copy of let from Dublier Cond Co stating cannot understand rejection notice cov condensers, have deliv 1,000 to Elec National Sup Co. W To Dulilier Cond Co- Lists tests condensers must pass 12-30
380109	12;23	1st Dist	Fwds copy of let from Dublier Cond Co asking about rejected condensers which were received back after being taken apart and some parts were missing.
380113	12;23	1st Dist	Fwds special report of test of mica condenser sub by Dublier Co.
380308	12;23	Dublier Cond Co	Fwds prints and req authority to place insulator. W To ----- auth granted 12-30

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
369026	10;28	European Forces	Contract placed with local firm, cov storage batteries for radio tel. W.	
370181	11;15	Boston	Trouble experienced in radio lab due to repeated failure of dry cells plate battery made by American Everready Works. To Wash. Re difficulties with excessive depreciation of dry batteries 12/3	
370191	11;18	Boston	Mica transm condenser mfg by Dublier Co, special report on W	
369085	11/18	To NY	Phone-Asks if have spare parts for radio storage batteries in stock.	607-1
369081	11/18	To General Lead Co.	Phone--Re conversation on 11/9, re jars for radio tel batteries as shown on plan appea satis---	607-1
372947	11;26	Dr L W Austin	Fwds preliminary report on test in con with use of emergency rec set. W Fwd. Wash. 12/7 back 12;24	

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
373013 CARD 44	11;16	Wireless Spec Co	Mica transm condenser, req dept approve use of theirs. W	
		Fed Tel Co-Mica condensers are being tested at Polo Factory. W	To Federal Telegraph Co- Not in position to approve mica condensers for transmitters manf under contract 421341 11-30	
		Fed Tel Co - 1;4	To Wireless Specialty App Co- Asks that submit sample to Federal Co for test 11-30	
		To Federal Telegraph Co- Auth use of Wireless Spec condensers with arc transmitters being manf by Dept 1-14		
372554	11-29	To Dubilier Condenser Co	Assigns type number CD 1453 to condenser, W	
374150	11;14 12;2	Phila Storage Bat Co S&A	In con with battery set req at Ml yard, have complete stock and can supply at once. Fwd-S&A 12/20 received back 1;3	
375034	12/7	To S&A	Reqts. shipt. of storage battery from NY to PS. Received back 12;18 To Pg Sd- Bu has not recd notification of receipt of shipmt 1-7 Pg Sd - 1;16	
363251	12/5	Stahl Co.	Fwds descript matter on their charging and star light batteries. W.	895
376211	12;9	Dublier Cond Co	Fwds copy of vandyke prints showing cond, asks if any changes or additions desired. To ----- Above approved 12-14	
375259	12/9	To Phila	Asks report of radio storage batteries.	607-1

GENERATING SETS BATTERIES

Number.	Date.	From or To—	Subject.	
361954	10-25	To S&A	Reqts shipmt from Wash to Dist Control Sta Phila- 2 storage batteries	W
363924	10-22	Boston	Fwds copies of letter from John Firth in connection with tests of special Layden Jars; dissapproves type. W To John Firth- Quotes abstracts from test conducted on fourteen jars constructed of a new glass- their let of 10-11th	10-31
364583	10;31	S&A	Sub scale of prices coy mica of radio condenser which should be substituted.	
364362	10;30	S&A	Fwds letter from Wireless Spec Co and req conf of statement for their requirements for mica for radio apparatsu. W Inspr Mass-Tel-3,000 mica shipped by Watson Bros to Wireless Spec Co.	1;31
364764	11;1	Wireless Spec Co	Watson Bros. unable to take care of requirements req company be authorized to make ship.	W
364583	11/4	To S&A	Re Mica for radio condensers WR 11-4	882

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Number.	Date.	From or To—	Subject.	
365911	11-8	To Boston	re acceptance of job orders in accordance with old specfns; comments W To Boston re acceptance of job orders 11-14	
367226	11-9	To S&A	Reqts shipmt from NY to Pg Sd- 25 140 amp Hr storage batteries RB 11/1/19 To Pg Sd-Asks if above material has been recd Received back from Pg Sd 1;8	L 12-16
365910	11;29	Boston	Sug of amendment of specification. RE acceptance of Job Orders in accord with old Specfs 12-9	
367464	11;8	Boston	Boston- Comments on test made. 12;13 Conf tel cov rel to mica transm condenser for Wireless Spec Apparatus Co and leaden charges for Cirth Co	
367190	11/12	To Dubilier Cond. Co.	Attach. for their information Drawing showing conn. diagram for series antenna condensers.	
368406	11;12	Genl Lead Battery Co	Fwds name plate proposed to be on radio tel battery, asks if sat. W	
368876	11-14	Elec Storage Battery Co	- Fwds drawings showing exide battery for radio phone service	W
368974	11;13	Phila	Req contract to cover delivery of condenser from Dubilier Condenser Co. W	

Number.	Date.	From or To—	Subject.
355262	10;2	S&A	Staes proposed contract with Dublier Co was sub to sec and returned without sig.
355259	10;2	Dublier Cond Co	States that Wm Dublier is only person authorized to discuss condensers with naval dept. W
356170	10;5	Dublier Cond Co	Cat being gotton out showing the dif types of standard condensers and installation in use. W
	To ----approves publishing of catalogue 11-30		To---- Reqts for photos of radio instanns not approved- can use photos of condensers 10-16 Dublier Condenser Co-Fwds copy of matter to be furnished for catalogue. 10;23 Dublier Cond Co-Req return of cat. 11;27
357201	10-11	To Phila	Rqst copy of details re test of mica protective device condensers mfgd by Dublilier Condenser W To Phila- Asks reply to Bu let 10-11th 11-9
357219	10-11	To N Orls	Rqst inform re radio condensers, W Received back 10;24
340719		See CARD 36 &43	To Brook. Reqts. weekly report on Sats. of radio & aux.lighting batteries 12-11
	9th Dist-List storage batter. on hand 12;16		Pug. Sound Weekly rep. 12/17 Pg Sd-Weekly rep 12;14
	MI-Weekly report 12;10		Norf. Weekly rep. 12/13 Norf-Weekly report 12; 28
	To Ydsq-Rqst Bu beadvised as to your requirments for radio batteries as at present indicated. 12/21.		Mare Is. Weekly rep. 12/5 Norf-Weekly rep. 5;3
	SEE CARD 43		To Em Fleet Corp-:Asks semi-monthy report of batteries on hand at Hog Is 12-27

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
357709	10-15	To Radio Base N Lon	Reqts that damaged condensers be fwded Bu for ~~insth~~ inspth New London Base; 10;29	W
358287	10/11	Wireless Specialty Co.	Fwds table on revolution of ? ? ? center and condensing circuits	W
359959	10/18	Dublaire Condens. Co.	Fwds duplicate invoice and request immediate shipment covering W	
360332	10/19	J.E.Parker	Requisition for 1000 antennea condensers to be placed with Dublair Condenser Co. - same will be purchased under a Navy order	
357309	10/21	Boston	Bu rqsts that a minimum stock of radio batteries be kept in stock for shipping bd vessels. 10/21	771-2
352440	10/28	Boston (CRD) Tel Del	of condensers promises 30 To Bost(T) Expedite reply to Bu letter 10/24 for the emergency radio transmitters. W	

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.
347688	9:11 NY Oct. 19 received	Dublier Cond Co Sample condenser	Req test of condenser at NY yard W To——Author. to submit a sample high tension paper condenser to NY. 9/18 To NY. Attaches copy of above.9/18
347572	9/13	To Firth	Have reqtd. West.Elec . Co. to permit you to purchase bulbs. W
347837	9/14	To Marconi	Reqts. information listed in letter. W Marconi Co-List pipe and Dublier condensers purchased 9;19
348723	9;11	Boston	Sub price paid Dublier Co for condensers during the past six months. W
3 325852		See CARD 34	To Dubilier Condenser Co. Commenting on tests on condensers. 9/17
	Dubilier Cond Co-Cond will be shipped within few days. W 4.30 Dublier Cond Co-Asks if shall use new construc. 5;21		To Dubilier Con Co-Reports failure of cond. 4;29 W Dub Cond Co-Req approval ofconstr. 5;23 To Phila-Reqst condensers be tested. 4;29 W Dubilier Cond Co-Fwds cond to Ph for test. W 5;2
SEE CARD 5 also 349798	9;16	Boston	Confirmation of tel conv relative to prices on condensers. W
348748	9/17	To Dubilier Cond.Co. (T) To Phila.(T)	Reqts. presence of Mr.Dubilier at conference W States Dubilier & rep. of SE will be present at ocnference. 9/17
350303	9;17	American Ever Ready Wrks	Acknowledges letter relative to change in specifications covering dry cells. W

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GENERATING SETS; BATTERIES.

Number.	Date.	From or To—	Subject.
351176	9;19	War Dept	Req Wireless Improvement Co be given permission to mfg air condensers according to bureau drawings #62 To——Have author. Wireless I.Co. to supply Signal Corps with 3 nav meters. 9/25
350657	9/23	To Coms. & Ind.Mgrs.	Re purchasing of Mica Condensers from Dubilier Condenser Co. W
36118	9/25 Ninth Dist- Fwd 10;19	To Wireless I Co	States calibration of condensers will be fwded from Navy Yard Washn W 629
340719 Frm.Cd.36 To Card 53 Re-Shipt. of Batteries 2/21	9-19 Puget Sound Oct. 12 Submits report W NY Oct. 18 Submits weekly report Boston Oct. 19 Weekly report Norf. Pct. 21 MI-Fwd rep 11;20 Pg Sd - 10;19 Boston-Fwds ~~to~~ report for week ending 26th. 10;28 Pg Sd - Submits report 10;26 Norf-Fwds weekly report. 11;1 MI-Fwds report. 10;25 Boston-Fwds weekly report. 11; MI-Weekly report. 11;6	Mare Island	Submits requirements for Radio Aparatus Forwards sheets showing asignment of. 9th Dist 12;7 MI - 920 MI-Fwds weekly report 11;19 Norfolk-Sub data on storage batteries held in stock. W 9:28 Wash-Fwds duplicate invoice. W 11; NY - Sub report - 9:27 Boston 11;19 Report Boston - 28 Sept Pg Sd - 11;15 MI-F ds weekly report. 10;1 9th Dist-Rep of NY Oct. 11 Submits report batteries on hand. P.S. Oct. 5 Submits report 11;29 Mare Island Oct. 5 Submits weekly report Mare Island Octa. 7 Weekly report Norf 3;22 Norf. Oct. 1o Lists stowage batteries held in stock Boston-Fwds weekly report week 23rd
354025	9:27	Boston	Fwds correspondence in connection with shores mfg by John Firth . W
354132	9;18	MI	Fwds print showing scheme audion bat. W To—— Standard charging equipmt is being developed- need for above suggestion not evident 10-14

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[OVER.]

GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
337472	8/16	To NY	Reqtd. to construct a lamp bank board for Montauk Pt. W To New port. Reqts. that they have constructed a lamp bank board. 8/17	
337427	8/17	To S&A	Reqts. shipt. of generating set from NY to Newport for Coast Gd. Stn. W FWD S&A - 8;30	
339732	8/21	Wireless Specialty Appts	Co-T-rqst early disposition on primary mica condenser matter-have 200 condensers made up. W To ----(T) Satisf. Proceed with del. antenna condenser sets. 8/23	
338283	8/22	To Exper. Sta. NL. (T)	Asks why 35 mica condensers desired W To -----(T) Be ton Authorized ship 25 mica condensers for Exp. Sta. 8/23	
338045	8/23	To Elec. Storage B.Co.	Ack. rect. of let. of 8/13	
339701	8/23	To Wash.	Gives instructions for testing condenser. W received back 9;20 To Wireless Apparatus, comments on sample mica condenser, 10-11	
340095	8/24	To S&A	Reqts. shipt. of radio apparatus from Boston to & for Exp. sta. NL. L	
SF 134	8/29	To J Firth	Re testing glass Leyden jars WS	629
344695	8;16	Radio Test Shop Wash	Elec light for A bat will be shipped in separate container to European ports in future.	

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
346262	9;7	Dublier Condenser Co	Fwds letter from fromer engineer for furnishing comments on their condensers. W
346030	9;6	Boston	Wireless speciality and Dublier condensers fwds report on test. W
297203	9/7	See CARD 30	To Norf. (T) Asks if can now supply No. 9/7
346467	9/10	To NY	Reqtd. that condenser be tested at earliest pos. date. W
347001	9;9	Boston	Dublier Cond Co confirms tel conv rel to prices.
347226	9;5	Boston	Sub stock of condensers W To-----Recom. that 75 racks be adopted as standard stock. 9/23
348334	9;10 9;13	NY Sup Co S&A	Offers radio battery cells W To S&A Not interested in above offer. 9/18

[OVER.]

GENERATING SETS:

Number.	Date.	From or To—	Subject.
332662	7;27	Boston	"wds report on condenserw. W
333822	7;30	Phila	Conf tel conversation relative to condensers in stock at Phila. To Phila. Reqts. that Phila. assign condensers for use with Rad/ Transmitters. 8/8
334605	8;3		Sub characteristics of Western Elec Condensers in stock at Phila. W
335762	8;1	Williard Storage Bat Co	Sub quotations covering batteries.
335143	8/9	To Dubilier C.Co.	Encl. blue print showing location of terminals. W Dublier Conds Co - Condenser shipped 8;14
337047	8/15	To Dubilier Cond. Co. Dublier Cond Co 9;9	Commenting on report from NY re tests on a series antenna condenser. W DubilierCondenser Co 8/19 - making up new motors. Dublier Cond Co- Req return W 8;13

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GENERATING SETS

Number.	Date.	From or To—	Subject.
337472	8/15	To S&A	Reqts. shipt. of radio apparatus from NY to & for Montauk Pt. W Fwd. S&A 9/5
339045	8;13	Elec Storage Battery Co	Reqst form of contract covering wireless batteries. LW
340650	8/23	New London Base	Rqst expedite condensers for use with arc sets on submarines for underwater radio 907
338383	8;16	New London Exp Sta	TEL Reqst authority Boston issue micacondensers.
340719 Fd. Cd.38 See CARD 39	8/27 Pg Sd NY Norfolk Boston NY Pg Sd	To NY - 9;9 - 9;14 - Sub weekly report 9;21 -Sub weekly report 9;19 -Fwds report on storage bat. -Sub report -9;21	To Pg Sd re week report of batteries 11-15 To Phila re weekly report of radio batt 11-15 Request weekly report on rad.storage batteries.L To Com. Reqt. weekly report on Rad. Storage Batteries. 8/28 NY- Reports on radio storage battery on hand 9;7 Ny-Fwds weekly report LW 9;7 Norf-Wk report 12;4 9th Dist- List radio storage batteries on hand. 9;13 Boston - 9;14 MI- Fwds weekly report 10;15
341305	8;24	John Firth Co	Calls attention to error in addressing letter to Lt Leclair personally in connection with jars instead of addressing same to bureau.
344773	9;4	Ohio Brass Co	Rel to material required for condenser.

GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.
329776	7;19	Boston	Confirms tel conversation in connection with turning over of radio laboratory, 60 condensers for test 5 k w set. W
330564	7;24	Boston	Confrims tel conversation rel to instal of condenser on Wireless Spec Apparatus Co sets. W Confirms tel conversation 7;24 ~~To——(T) Report not rec'd. 7/31~~
330606	7;25	Phila	Charging panel for battery, fwds vandykes. W
330379	7/29	To Western Elec. Co.	Reqts. catalogs & descriptive matter of paper tel. condensers. W West Elec Co- Fwds list of standard and special paper condensers. W 9;16
331013	7/27	To Boston	Re application of Steck Mica Condensers for 5 KW transmitters furn by Boston Navy Yd 629 To West. Elec. Co. Assignt. of type # to battery charging panel for storage batteries confirmed 7/30
331318	7;27	GE CO	Fwds combination condensers and leaks for examination. W Fwd. Wash. 8/5 To—— Ack. rect. of condensers & leaks. 8/6 GE CO - Combination condenser outleaks ship 7;27 Washington - Sub data on test of W 8;21 To GE Co. Fwds. report. 8/28

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GENERATING SETS; BATTERIES;

Number.	Date.	From or To—	Subject.
331304	7;25	Inspr Mass	Mica condensers mfg by Wireless Spec Co, fwds report of Lt Lewis in connection with W To Boston. Author. to co-operate with Wireless I. Co. in manf. of mica condensers. 8/9 To Wireless S.A.Co. Gives results of investigation on manf. of mica condensers. 8/10
331732	7;25	Dublier Condenser Co	Reqst requisition covering 300 mica condenser similar to model left by expert Cummings.
319425	7;24	Pg Sd	CARD 33 Mare Island - 8;2
~~323859~~	~~7/26~~	~~To NY~~	~~Asks if estimate cont in let of 7/18 includes suff. condensers for rqts~~ 898
333581	7;30	Philadelphia F.G	Confirms tel conversation in connection with condenser stock at Phila Yard, asks if suitable for use for British apparatus.
332659	7;31	Cruiser Force 898	Rec all vessels of cruiser and transport force be equipped with transmitter operated by storage battery. W Fwd. SecNav. 8/21 received back 8;26 To Coms &als. Re storage batteries for emergency radio transmitters. 8/31

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GENERATING SETS: BATTERIES

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Number.	Date.	From or To—	Subject.
324929	7;9	New York	Sub. status of radio batteries at yard, shipment order should be left with man in charge at yard. W
324744	7/11	To Dubilier Cond.Co.	Reqtd. you advise yr. requirements for Mica. Gives report of mica. 7;16
325578	7;9 7;9	CO CHAS Atl. Sub.	Edison Storage Battery Co sub report on explosion. Cross to 607
		Batteries used with Vacuum Tubes 10-15	Fwd. Wash. 7/13 received back 9;19
		To Boston Oct. 15 Copy back 22nd	To M Is- -Yds and StationsGives precautions to prevent explosion in Edison Storage
		To Bost-RE end 10-18 outlining error in Bu let of 10-15th 11-1	
324745	7/12	To Wireless S.A.Co.	Reqts. to inform B. re their requirements for Mica. W
		To USN Mica Export. Fwds. production report. 8/15	To Payr.Stores,NY. Re checking up condensers v. amt. of mica. 7/23
			Navy Brd for Commandeering - 7;27
326897	7/16	New Orleans T	Rqst place order as soon as possible for 24 mica condensers. W
		To S&A Reqtd. that a tracer be substituted for ref.(a). 7/25	To NO (T) Condensers will be expressed from Boston 7/17
		To ---Reqts. to ack. rect. of condensers 9/13 received back 9;23	To S&A Reqts. shipt. of mica condensers from Boston for Nav.Sta. to NO. W 7/18
		3 To NO 9;26 back 10;25 SEE CD 5	
325852 See CARD 38	7/16	To Dubilier Condenser Co.	A proprietary requis. is being prepared for 50 mica condensers . W Dublier Con Co 9;4
		Cublier Condenser Co. 7;18	Dublier Conds Co 7;17
		To--- Qlll fwd. result of test. 7/27	
		To---Asks if condensers can be modified 8/30	To---- Tests to be in Phila. 9/3
326749	7/17	To Dubilier Con. Co.	Ack. rect. of shipt. of mica condensers. 7/17

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N.S.E. Form 134.

1918

Number.	Date.	From or To—	Subject.
327360	7/18	To S&A	Reqts. shipt. of radio apparatus from Wash. for & to Norf. To S&A Reqts. shipt. of radio apparatus from Wash. be cancelled. 7/25
327508	7;16	Norfolk	Reqst yard be furnished with 10 storage batteries mfg U S Light & Heat Co W To---- D. has ordered 10 add. batteries for Norf. 7/19
327745	7;17	New York	Fwds prints of antenna condensers. W
328294	7/20	To Boston (T)	Author. issue from stock to Rad. Lab. Boston 60 condensers. W
328349	7/20	To Mass.	Fwds. copy of report subd. by Lt. Lewis.
328927	7;19	G E CO	Fwds prints showing outline of condensers. W
328725	7;20	Dublier Condenser Co	Information pertaining to antenna condensers on 1 and 5 k w sets submitted to radio shop New York W To---Commenting on above. 7/25
		Dublier C. Co. - Sub type and price of condenser. W 7;30	To---- Gives data on values of voltages. 7/26
To S&A 323724	7/24	Re annual contr. for condensers. 8/16 To Boston	Amer Everready dry battery #763 use for rad wk disapproved. 882-1

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[OVER.]

Number.	Date.	From or To—	Subject.
318280	6/18	New York	Submits report of test on condenser mfe of Dubilier Condenser Co. W
317572	6;15	Luthy Storage Battery Co.	24 bolt storage battery for circuit of electron delays, fwds section of celluloid container for bureau's comments. W
318950	6/22	To Elec. Storage B.Co.	Reqts. data re batteries. W Elec Storage Battery Co - No report 6;26
307750	6/25	To Boston	States that GE Co. should not be encouraged at this time in further development of oil condensers. W
319425	6/25	To PS Pg Sd: Sub estimated number batteries which will be needed W 7;11 Norfolk - List storage battery material in stock W 7;20 Phila- Sub list storage bat redr. 7/27	Reqts. to examine list given for storage batteries to see if sufficient. WS To——— Same as above. 6/25 To Phila. Same as above. 6/25 CARD 35 To Norf. Same as above. 6/25 To NY. Same as above. 6/25
319924	6/25	To S&A	Reqts. shipt. of condensers to & for Wash. from Boston. W To S&A Reqts. shipt. of radio apparatus from Wash. to Wash for R. of Stand. 9/20 received back 9;30 To S&A Reqts shipmt from Wash to Wash- 10 Mica transmitting condensers 1-8

N.S.E. Form 134. 882 - 1

GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
320616	6;24	Dublieur Cons. Co.	Reqst Insp r Brooklyn Yard in connection with test, of condensers. W To NY. Gives instruct. re test of condensers. 6/28 New York 7;8 NY-Report of further test.
320604	6/27	To NY	Reqt. vandyke of oil condensers to withstand undampened voltages . W New York - Fwds prints 7;15 To----Rec. of blueprint of Drawing. 7/19 New York - 7;27 Fwds vandykes.
320930	6/29	To Domestic Eng.Co.(T)	Advise earliest del.lo plants 120 volt similar contract 1774. W
323720	7/8	To Dubilier Condenser Co.	Asks when condensers may be expected. W Dubilier Condenser Co 7;10
324210	7;6	Dubilier Condenser Co	Reqst fwd requisition covering 300 mica condenser radio for ship 7;12 W
~~326658~~		Shipping Board WRONG ENTRY	Reqst bureau rep. be present at conference on 7;10 in connection with ~~test~~ tools for electric welding to be held at Phila. A
324952	7;9	De Peruse Pearsall Silver Co	Are in position to turn out jars etc. W To---- Not advisable to attempt at this time increasing the source of supply of such apparatus. 7/15

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[OVER.]

GENERATING SETS: BATTERIES.

1918

Number.	Date.	From or To—	Subject.	
309640	5-25	TO S&A	Rqst shipment from Norf to Bost- radio storage batteries-W To Boston. Asks if rad. apparatus rec'd. 8/31 received back 9;6	
311695	6-1	To Wash	Fwds rotary condenser and motor unit as listed- Washington Yards 7;1 - Fwds report on test of condensers supplied G E Co. W To GE Co. Gives reasons why condenser not satisf. 7/9	
312483	6-4	Phone NY	Radio storage batteries-Contractors are short on delivery- Bu will auth purchase of same in open market- Letter auth. purchase will be mailed this A 4 - L To NY- Auth inletter to purchase batteries when supply is short- 6-4	
313637	6/4	Bost	Wireless specialty mica transmitting condensers cause of breakdown due to excessive heating - W	
313556	6-6	To (T) Grt Lakes	Norf shipped 5 batteries 140 A H May 31st B/L 14435- Adams Ex-W	
313887	6-8	To S&A	Reqst shipt from Boston to Wash Mica-- condensers To Wash--in re above shipt-6-8 To Bost--Tests on condensers at Navy Yard Boston Washington - Sub report of Wireless Spec. Co mica condensers. 8;12	882

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Number.	Date.	From or To—	Subject.	
313034	6-6	To Firms	Fwds copy of specifications for test buzzers/buzzer control switches and buzzer batteries To Wash---ditto	898
313668	6-3	Boston	Confirms telephone conversation in connection with shipment of two wireless specialty mica condensers to Wash for test	898
313667	?	Boston	Confirms telephone conversation in ~~connection~~ requesting explanation of cost of breakdown under test of wireless specialty mica transmitting condensers	898
316109	6/11	Gen Elec Co	Rcst return of motor varied condenser for tests of same completed. W Fwd. Wash. W 6/15	
316988	6/14	Wm Dubilier	Fwds copy of London Elecn calling attention to ad showing quantities of mica condensers supplied to British and Allied Govts. W	

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[OVER.]

GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
301108	4-27	To NY	Radio Tel. Drawings of 1 & 2 2 K W Quenched Gap and condenser Mountings-W	
298781	4/24	To Boston & Yards	Radio Telegraph--Cancellation of app. of chloride of silver dry cells.	876
289919	4-25	To Dubilier Condenser Co-	In re defective condensersfu nished Bost-W	
304421	5/3	Dubilier Condenser Co	Submits report of test of condenser which showed only a temperature rise of 5% at the end of 2 1/2 hours. W	
303692	5-4	To Comdr.Castle-	Asks to expedite war- delivery 140 Ampere hour storage batteries for the W Div- W	
304740	5/7	Willard Stor Bat Co	Request definite dimensions of additional type of radio batteries be added to specns 17B4A. L	607-1
298782	6-10	To Boston	Dubilier Condenser Company -- reqst report on condensers	898

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GENERATING SETS: BATTERIES

Number.	Date.	From or To—	Subject.	
305016	5-9	To Weston Elec Instr Co	Would appreciate if F. Lowenstein could ~~approximate~~ retain variable condenser for a month longer 5-9 Weston Elec. Instr. Co 5;24 To Western Elec Co- Rqst Mr Lowenstein be allowed to keep condenser one moth longer-5-27	W
306643	5;13	Dubilier Condenser Co.	Special design of Meca Condenser of 10 sections being fwd. to Washington. Submits prints of. W	
306946	1;23	Inspr Cramps	Lists batteries on hand.	
302750	5;16	Boston	Fwds special radio report on test of oil transmitting condensers. W	
308234	5;10	Mare Island	Reqts authority for shipment of condensers. W Fwds Wash--5-22 To S&A-Rqst shipment from Wash to Mare Island radio wave meters-5-22 Shipment order 5/22 R B from Cincin - sent in error - W received back 7;29	
308429	5-18	Phila	Fwds vandykes of Elec Stor Bat Co drawings showing charging panels for exide batteries. W	
134	5/21	John Firth	Lyden jars--capacity of--request greater variations be allowed--states that 500 ready for immediate shipment have been rejected.	69

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
287717	3-7	NY	Dubilier Mica condensers - reports on defects in - request that Boston yard give contractors list of rejected condensers, so that Dubilier Company may be prevented from delivering them to other companies.W
		To NY-- Mica Condensers mfcrd by Dubilier Co- Not uniform as to values of capacity--5-3 To Dubilier Condenser Co-5-4 To Bost--in Dubilier Mica Cond.5-4 Dubilier Condenser Co-5/7-Rejected condensers may be returned to Boston. Boston - Fwds list giving serial numbers of condensers.	To NY--Instrns re acceptance of condensers.3/16 To Dubilier Cond Co--Reqt infor re procedure followed in re rejected condensers at Bost. 4/20
288743	New York 6/13 3/13	To Bost	Test of mica condensers. Reqt infor as to why specns for tests of were not carried out. W Boston-mica transmitting condenser mfgrs claim test reqd detremental to condenser-states are now making test at 12 amperes.W
289342	3-13	Boston	Micro-condensers - comments on special reports on. W
		Boston-reports on test of micro transmitting condensers.4/6	To--Detailed comments on.3/22 Bost-Fwds blueprint copy.W 3-27
290058	3/16	Inspr Phila	Specns 17D4a-fwds letter from Lt.Dunn recommending standard type markings for radio batteries be included.W To--Disappvs recommendations.3/25
291388	3-12	Miller, Reese, Hutchinson	Reports shipment of #2 and #4 exhibition board, showing construction of A and B types Edison storage batteries. W To--Acknowledges.3/22
293120	3-27	Dubilier Condenser Co	States have made improvements in the method of refining impregnating compound, and believe suitable for offsets of long wave lengths. W To Boston. Asks report on performance of condensers. 7/30 Boston - Fwds report of special dubilier condenser 8;20

N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.	
295835	4/8	To Firms	Fwds drawings for use in bidding on Receiving condensers on Reqn 1815. W	
297203	4/10	Norf	Auxiliary ~~searchlight~~ storage batteries equipment charging panels for recommends be not mfgd by yard. asks when delivery may be expected. W	
See CARD 37		Norfolk recommends smaller re-resustance be specified for panels. W 5;12	To Betts & Betts--(T) Reqt delivery status of. 4/22 Norfolk - Reqst bureau arrange for ship of panels	
		To Norf. in re above-6-4	To Trumbull Elec Co--Ditto (T) 4/22	
		Norf - Reports on S&A. W 6-14	To Norf-Su directed delivery charging panels to N O 8;5 as listed--5-4	
		To Norf. Re modifying panels 5/22		
295853	4/12	To Marconi Co	Fwds Vandykes as listed of drawings for use in bidding on Standard Navy Receiving Condensers. W	
			Wireless Impr Co--return VanDykes. 4/12	
			Century Tel Co-4-20	
			To Century Telephone Co-- Cannot comply with you reqt to submit condenser for ~~[illegible]~~ inspn asks that they complete estimate of condensers 5-9	
298374	4-12	Chasn	Rotary condenser - forwards vandykes. W	
30866	4/15	Wireless Spec App Co T	Request permission to deliver 75 2 Kw sets without condesers - condensers to be supplied from Boston Yard. W	629
300497	4-17	Sperry Co	Returns prints of variable condensers. W	

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GENERATING SETS; BATTERIES.

Number.	Date.	From or To—	Subject.
274017 To—	1/17 2/13	To Nat'l Carbon Co	Reqt dimensions, weight and operating specns for sealed in unit dry batteries which are supplying Signal Corps. W Natl Carbon Co-2/2 Nat'l Carbon Co - letter was answered 2/2 - W
274307	1/17	To Crocker Wheeler Co	Reqt Vandyke each of assembly drawing of type numbered machines as listed. W Crocker Wheeler Co - W. 3-5
274426	1/18	To Domestic Eng Co	Returns invoice for Delco Battery charging set. Directs fwd to NY. W Co 1-23
276050	1-22	War Dept	Specns for standard B battery, Signal Corps type BA-2 - fwds - W
276396	1-14	M Is	Condensers - reports - fwds tabulation shown. W To B ost—Submits above report.1/29 To Dubilier Condenser Co—Ditto. 1/29 Duvilier Condenser Co 2-4 Bost 2-4
277263	1-21	Phila	To—Submits report on variation.2/11 Confirms telephone conversations relative to condenser jars fordestroyers.W
278017	1-28	Phila	Confirms telephone conversation relative to additional condenser required in antenna circuits. W
275000	1/18	Marconi Co	Crocker wheeler Mot generators-reports on status of delay in securing request for assistance.W

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GENERATING SETS: BATTERIES. 882 - 1

Number.	Date.	From or To—	Subject.
278338	1/28	War Dept	Signal Corps type B-A -2 dry battery used for vacuum tubes - fwds specifications - W To--Acknowledges.2/4
278047	2/9	To S&A	Reqt shipt of mica condensers from Bost to Phila for Radio Lab. W
281962	2-14	NYS	Reports receipt of request from Sayville for the manufacture of condensers - states no facilities at yard. W Fwd Phila--2/21 - RB-3-11 Fwd NY--3/18 To NY--4/4
285357 61	2-27	Washington	Charging panel for Edison storage batteries-submits sketch of proposed. W (Cross-900) To--Appvs reqn covering. 3/13
286706	3-2	Dubilier Condenser Co To--Will loan trans set.4/5	Request permission to examine a German paper condenser. W Fwd NY--3/6--RB-3/16 To--3/20 Dubilier Cond Co-3-23
265540	SEE CARD 27 To Chloride of Silver Dry Cell Bat Co--4/13		To Chloride of Silver Dry Cell Bat Co--Comments on apparatus.3/4 Chloride of Silver Co-fwds prints.??W Chloride of Silver Dry Cell Battery Company-forwards 3 samples of standard fibre tops for batteries covered with insulated varnish. W 3-16 To Chloride of Silver Co--3/20 To Wash--Fwds cells.3/20

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[OVER.]

DUPLICATE.

1918

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GENERATING SETS. BATTERIES.

Number.	Date.	From or To—	Subject.	
271845	2/13	To Moorhead Lab	Order for tubes similar to those submitted by John J. Aurynger is to be cancelled. W	
272703	2/9	To Liberty Elec Corp	Submits report of test on sample mica condenser.	
274298	2/28	To Bost	Reqt for add'l apparatus for testing mica trans condensers. 2/28 Boston-Req log be furnished with one kw transm set. W	
272498	11-6	To Boston	Rqst for additional apparatus for testing mica condensers W	

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Number.	Date.	From or To—	Subject.	

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See Duplicate card same no.

GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
267350	12/15	To General Radio Co	No condensers having type number CB 192. Will not purchase field type radio sets except those with parts which have been standardized.W
268132	12/10 12/15	Gould Storage Bat Co S&A	Fwds descriptive bulletin of ~~search~~storage batteries for reserve radio equipment.W
268526	12/18	?? McDonald	Request information relative to furnishing condensers for Newport Training Station.W To—Gives infor reqted.12/29 ~~To Newport—1/17~~
268546	12-20	Bost T	Request authority to ship mica condensers to Puget Sound.W ~~To—~~(T)Appvs.12/21
269160	12-18	Pensacola	E. J. Simon; request test and report on transmitting condenser CD 158.W To—Directs test condenser.12/28 Pensa all radio test apparatus transferred to Hampton Roads 1-5
269247	12/22	Gould Stor Bat Co	Batteries for radio-reports certain ~~mark~~ marking of specifications.W To—1/5
269437	12/24	NY	Mica condensers-taken from Marconi contract 669-1/2 and turned into store.W
269028	12/27	To Firms	Fwds specns RE 13A 259A. W K&C Co 1-4 To K&C Co—Fwds add'l specns.1/16

N.S.E. Form 134.

GEN SETS: BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.
270821	12-28 1-2	Thomas C Edmonds & Co S&A	Offers condenser glass.W To--1/5
271017	12-14	E. Watson	Mica; relative to arranging prices to secure better quality.W
271412	12/11	Miller Reese Hutchinson	Fwds description of design of battery.W To--1/10
271845 Dept will replace. Ask price paid for. 1/23 To Wash--1/23	1-5	Dept Commerce To Moorehead Lab--Directs manuf bulbs.1/23	Moorhead Laboratories 2-4 Detective condensers; fwds copy of letter from J J Auringer relative to test of.W To--Comments on tests of. 1/19 To J.J.Auringer--Apparatus broken in store.
271650	12-31	GE Co	Request action be taken in connection with their substitute for mica condensers for spark sets.W To Bost--Fwds above letter with comment.1/7 Bost 1-16
271742	1/5	To M.R.Hutchinson	Acknowledges receipt of descriptive matter of Edison B battery. W To--(T)Directs stop work on certain cells.1/26 To--Comments on.1/31
272703	1/12	To Bost	Rest of sample mica condenser made by Liberty Elec Corp--. Instrns in connection with. W Bost - submits report of test on sample mica condenser submitted by the Liberty Elec. Corp - 2/2 W
273982 M Is (T) 1-18 Norf-reports number in store.1/17	1/15	To Yards	Directs report quantity 140 and 210 ampere hour radio stor batteries available. W Pug Sd (T) gives number available 1-17 NY (T) gives storage batteries on hand 1-18
274298 To Bost--Instrns re test to yearry out. 1/22 To--1/22	1/15	Bubilier Condenser Co	States in future before drafting new type transmitting condenser they should be tested for at least 6 times on different days.W Bost 1-30

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GENERATING SETS: BATTERIES.

1917

Number.	Date.	From or To—	Subject.	
	To--1/8	To--Acknowledges receipt of	Dubilier Co--3/14 Vandykes listed.1/11	
264170	11-27	Dubilier Condenser Co	New sample condenser submitted to Bost Yd; fwds curve showing comparitive test; quotes price; request orders.W	
	Dubilier Condenser Co 12-24 To--12/28		To--Comments re test so far.12/11 Co 12-14	BELOW
	Bost fwds report on test 12-29 Dubilier Condenser Co--fwds Vandykes.1/4.W			
264121	11/22	M Is	Standard Leyden jars for stock-request shipment by express 250.W	
	Bost gives deliveries due on condensers and deliveries made to M Is 12-7		To Bost--Directs shipt 250 leyden jars to M.Is. by express.12/3	
264119	11/27	Dubilier Condenser Co	States John Firth has resigned as President of the Company.W	
264067	11/17	M Is	Mica condensers for 20 kw arc sets-request shipment for test-states Leyden jars unsatis.W	
			To S&A--Reqt shipt of mica condensers from Bost to M.Is. 12/3	
265459	12-5	NY	Charging panels for installation storage batteries; request vandykes.W	
			To--Fwds Vandykes as listed.12/11	
26554 0	To 12-1	Bost	Type SE 595 primary cells; fwds report on serviceability of .W	
	Washn--2/16		To Chloride of Silver Dry Cell Bat Co-- Submits report on.12/21	CARD 29
	To Chloride of Silver Bat Co--2/26 Chloride of Silver Co.--2/28		To Wash--12/21	
265473	12/6	To Dubilier Cond Co	Fwds blueprints of drawing RE 31AA 105B. W	
264170		ABOVE	Dubilier Condenser Co fwds vandykes 1-10 Dubilier Condenser Co 1-12	
	Phila-no samples have been submitted.3/7		To Dubilier Cond Co--Assigns type numbers.2/5 Dubilier Condenser Co-fwds vandykes. 2-7	
	To Dubilier Cond Co--ask when will submit protective device to Phila for test.3/13		To Phila--2/16	

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GEN SETS: BATTERIES: 882 -- 1

Number.	Date.	From or To—	Subject.
265836	12-7	Dubilier Condenser Co	Request specifications covering mica transmitting condenser.W To--Fwds specns.12/31
265837	12-7	Dubilier Condenser Co	New type protective devices and transmitting condensers; reports on test of; states representative will be in Washington on Monday.W
266230	12-7	NY	Condenser jar racks; fwds copy of letter from Marconi Co requesting information.W To--12/29 To Marconi Co--12/29
266675	12-11	Dubilier Condenser Co	Request authority to purchase radio equipment for testing mica condensers.W Fwd NY--12/17 - RB-2-28
266731	12/11	Dubilier Condenser Co	Request permission to publish photograph of Marconi equipment in the "Wireless Age".W To--Reqt copy of photo first.12/14
267674	12/15	Sanitary Telephone Cons Co	Standard condensers-request prints.W Fwd Wash--12/28 RB 1-18 To Wash--Reqt Vandykes of receiving condensers.3/1 Washn-Fwds plan.W 3-11
266912	12/14	To Dubilier Cond Co To Wireless Spec Ap Co	Directs fwd to E.J.Simon sample of latest type mica condenser for use with aeroplane radio trans sets. W Dubilier Condenser Co 12-18 Wireless Spec App Co 12-19
		To E.J.Simon--12/29 E.J.Simon replies to tracer and fwds copy of their letter of Jan 4 in reply to Bu's letter 2-5	
267903	12-4	Lalley Electro Lighting Co	60 volt battery to be used in connection with Dilecto gen sets; request opportunity to submit bid.W To--1/2

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[OVER.]

GENERATING SETS: BATTERIES.

1917

Number.	Date.	From or To—	Subject.
260053	11/7 11/10	Bost S&A	Reports on difficulty in meeting demands of various yards for leyden jar condensers; comes up on request from M Is for 2400.W Fwd S&A—11/13
260053	11/9	Wash	Fwds report on test of mica dielectro condenser submitted by John Firth for the Dubilier Condenser Co.W To Dubilier Condenser Co—Fwds copy of report of test.11/13
260052	11/9	Wash	Request yard be authorized to manufacture air condenser for testing antenna condensets for arc transmitters.W To—Auth manuf and install.11/13
260549	11/12	Bost	Dubilier mica condenser designed for use on aeroplanes; fwds report on.W
260535	11/13	Amer Mica Wks	States are manufacturers of mica films for condensers.W To—Ask how many pounds of mica can supply per month.11/20 mOo 11/22
260771	11/14	NY	Fwds sheets covering Dubilier mica condenser for Bureau numbering.W To Dubilier Condenser Co—Reqt Vandykes of drawings listed.1/2
To NY—Fwds blueprints showing Dubilier mica condenser.1/8			
To NY—Fwds Vandykes of drawings listed. 1/16			
260856	11/13	Memo for Lt Daubin	Relative to making requisition for 350 storage batteries, to be used as auxiliary power for radio set.W To—Directs make reqn for apparatus listed.11/13

N.S.E. Form 134.

882-1: GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
261343	9/22	Lalley Electro Lighting Corpn	Fwds report on test of Gates surcharging method-recommends Mr Gates continus developments of this method using the Zenith carburetor.DA
262160	11/20	Miller Reese Hutchinson	Reports designed small cell for use in audion work.
To—Assigns type number.12/28			To Wash—Comments on.11/24
Miller Reese Hutchinson-fwds prints/1/2			To—11/24
To—1/8			To Wash—11/28
			Wash 12-3
262576	11/23	To Wireless Spec Ap C o To Dubilier Cond Co.	Fwds prelim copy of specns for mica trans condensers. W
262908	11/22	Wireless Improv Co	Mica condensers for spark ~~gapx~~ sets-fwds temperature rise curves.A
263140	11/24	Dubilier Condenser Co	Fwds copies of orders which they have with Watson Bros for ~~meki~~ mica; calls attention to increase in price ~~11/2~~.W
263772	11/27	Dubilier Condenser Co	Mica transmitting condensers: recommends Dept use 2 standard CD 15B condensers in lieu of one standard and one special when used in series.W
To—12/22			To Bost—12/22
263786	11/27	Sperry Co	Edison type battery T-2 for use on transmitters-fwds curve showing performance of.~~xx~~W

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[OVER.]

GENERATING SETS: BATTERIES: 882-1

1917

Number.	Date.	From or To—	Subject.
252392	10/1	Miller-Reese-Hutchinson Incorporated.	Asks if Bureau contemplates ordering any design storage batteries for audion reception work.W To Wash—Fwds above letter.10/3 To—Referred to Wash.10/3
254560	10/12	NY	Jar rack condenser; refers to report from Bost, showing that old type is being manfd.W To Bost—10/23 Bost 10/30
255046	10/13	Bost	Recommends changes in radio specifications for testing mica condensers.W
255310	10/18	To F. Lowenstein	Standardization of partsof radio apparatus subject to wear. Lists contrs, and asks if will standardize. If not will cancel all royalties on contr. W F. Lowenstein 10/23
251624	11/12	To Gould Co, Elec Stor Bat Co. Reqt Vandykes covering all details of batteries on contr 629. W Elec S B Co 11/14 Elec S B Co 11/17	
To	NY—Fwds	prints with comment.1/3	
256773	10/24	E. J. Simon	Special Dubilier aeroplane condenser; fwds copy of report of test made by Dubilier Condenser Co·W To—10/30
257099	10/25	~~Cond~~ NY	Condenser racks for 10 kw radio transmitters; fwds copy of letter to Marconi Co relative to change in·W
To NY—Gives action.11/10 NY fwds prints 12-13			To F. Lowenstein—Appvs changes rec by NY.11/10 To Marconi C o—Ditto.11/10
258420	11/1	Wireless Spec Ap Co	Mica condensers-fwds report on performances under service and test-fwds curves and detailed report.W

N.S.E. Form 134.

GEN SETS: BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.
258669	11/1	Wireless Spec App Co	Fwds prints showing proposed design of mica condenser·W
258833	11/5	Splitdorf Co (Elec)	Radio condensers-reqt sample condenser for experimenting with paper in lieu of mica. To—Gives infor re elec requirements and tests.12/6
259118	11/7	Natl Elec Sup Co	Request action on inquiry relative to use of Dubilier condensers on contracts 38771, 737, 30023 and 155·W
259174	11/7	Dubilier Condenser Co	Stopping condensers for receiving sets-quotes price reqt set of prints.W To Wash—Ask if need condensers.11/9 Washn Yd--11/15. To—No need of stopping condensers.11/21
259449	11/3	Pug Sd	Request Bost be authorized to ship Dubilier mica condensers for stock.W To S&A—Reqt shipt of condensers from Bost to Pug Sd.11/14
259529	11/8	Thomas C. Edmonds Co	Offers special condenser glass·W To—11/10 Co 11/14 To—11/19
232199	SEE CARD 22		To Wash. Ask when test will be completed.11/7
259734	11/8	GE Co	Oil condensers-submitted Boston Yard-request result of test.W GE 11-28 To Bost—Directs submit prelim report.12/11 Bost 1-9

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[OVER.]

GENERATING SETS: BATTERIES.

1917

Number.	Date.	From or To—	Subject.
243844	8/14	Dubilier Condenser Co	Gives dimensions of a variable condenser being developed in connectionwith specifications 13A112B.W To—Wash Yard will test.8/20
243869	8/1	Dubilier Co	Fwds prints of mica transmitting condenser.W
5 244035	8/21	Dubilier Condenser Co	Have request from Sperry Co for stopping condensers for short wave receivers; quotes price for dies and request that arrangements be made for them to supply condensers to all manufacturers who are supplying these receivers.W Fwd Wash—8/27 RB 9/11 To Wash—Directs prepare drawing.9/25
245434	8/21	War Dept	Gives list of items being purchased from Miller Reese Hutchison, Inc; states material for transports and recommends that Navy Dept cancel order and advise contractors that material should be held for Navy Dept.W War Dept fwds copy of Signal Corps order G 9213, covering purchase of batteries and panel boards from Miller, Reese Hutchison 8/25 To Signal Officer—Rec cancel contr.8/27
246336	? 8/27	Bost ?	Mica condensers for radio laboratory; request authority to withdraw 2 from store.W 916-3

N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882 — 1

Number.	Date.	From or To—	Subject.
247395	9/5	To Dubilier Cond Co	Trans condensers types CD 54 and CD 157 have been superceded as standard by CD 158. W
247778	9/5	Dubilier Condenser Co	Mica; request Bu's assistance in securing release of cut mica in London.W To S&A--Recommendations re purchase of mica.9/7 ~~To S&A--Detailed recommendations.11/27~~ S&A fwds letter from War Trade Board, explaining mica situation 12-7
249713	9/15	Bost	Factory of Dubilier Condenser Co; fwds report by radio expert with particular attention to amount of mica on hand, amount of contracts placed for mica and fwds photographs and prints of various apparatus.W
249912	9/16	NY	Condenser jar racks; fwds vandykes.W
250585	9/20	Dubilier Condenser Co	Transmitting condensers; fwds print.W
250627	9/18	Chasn	Reports receipt of main condenser jar racks without letter.W
251568	9/27	F. Lowenstein	Request Navy Dept purchase 50 condenser racks made from old Navy standard drawing for 10 kw sets.W F Lowenstein-reqt action-10/3. To 10/9 F. Lowenstein quotes price 10/23

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GENERATING SETS 1920

Number.	Date.	From or To—	Subject.	
480327	3/10	To Comdt M.Island	Fwds drawings, gen set and sw panel. reqstd in letter of Feb. 10th 1920.	W
626966	6/9	To Norfolk	Delco elec Units Reservation of for radio Compass Stations 882-3	
600691 see 882-1				

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Number.	Date.	From or To—	Subject.	

GENERATING SETS:

Number.	Date.	From or To—	Subject.	
335198	8;5	2nd Dist	Reqst radio apparatus for radio station at Newport.	
357172	8/16	To Crocker-Wheeler Co.	Encl. copy of report rec'd. from H.Rds. covering a test of dynamotor. W	
938	8/21	Westinghouse	In conn w Westinghouse Co replacing cast iron housing and turbine blinder with steel castings on generator sets on BRIDGE	629
938	5/2	Inspr Westinghouse	Fwds inspection reports on 25-KW Turbo generator set sets	938
359484	10-16	To S&A	Reqts shipmt from NY to Bost Radio telegraph app received back 11;16	W
359951	Aug. 5	Third Dist. BostOn	Oct. 17 Submits report on construction of radio station at Turie	

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
364583	11-4	To S&A 882-1	To S&A re Mica for radio condensers WR 11-4	
368405	12-12	To General Lead Bat.Co.	Comments re nameplats,L-W Genl Lead Boiler Co 12;13 To----- In re above 12-16	
388600	1-27	To Corcker-Wheeler Co- 915	Fwds report of gas engine driven generator for use in airplanes -engine not suitable for this use	W
390454	2-1	To S&A	Reqts shipmt from Norf to M Is 13 120 volt radio storage batteries RE 5;13	L
426278	7;11	To Nav	Received back 7;18	

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[OVER.]

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GENERATING SETS.

Number.	Date.	From or To—	Subject.	
269910	??	Crocker Wheeler Co	Wireless Spec App Co comment on trouble experienced in starting generators furnished by Crocker Wheeler -fwds prints-states believes trouble due to boring two leads instead of three.	
271739	1/7	To Fed Co	Fwds confidential specns as listed received from British Govt. W	
30809	2-19	Marconi Co.	Lists actual shipts of radio motor generators made on contr. W.	629
32760	4/9	E. J. Simon T	States are completely out of Crocker Wheeler motor generator sets require 20 this week and 15 a month.	629
89 298981	5-1	To Cutter Elec & Mfg Co	Rqst supply Bu report status of delivery made and contemplated of ccircuit breakers to contractors-W To Cutter Elec & Mfg Co- Rqst to fwd reports of form previously submitted om Mar 14 and Jan 30th--5-15 Cutter E & M Co will forward list within few days. W 5.23	
306001	5;10	Triumph Electric Co.	Fwds copy of ship schedul covering radio motor generator sets now on hand. W	

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GENERATING SETS · 882

Number.	Date.	From or To—	Subject.	
305929	5-16	To Triumph Elec Co-	Rqst advise Bu number of the Gov requisiton against which the Kilbourne & Clark Co intend to apply material--W	
307931	?	Beaudette & Graham Ins.	Fwds specifications for 1-4-6 and 12 k w sycle lights d c . W	
313560	6-7	To Brook	Radio T 1- low voltage Breakers for Battery Charging Panels-rqst report submitted to Bu-W NY - Submits report of test of low voltage showing panels. W 7;1	
313887	6-8	TO S&A	Rqst shipment from Bost to Wash- Mica condensers- W To Wash - in re above shipment -6-8 /To Bost- Tes6s on condensers at Navy Yard- Bost- 6-8 Boston - Fwds report of test on mica transmitting condensers. W 6;25	
320890	6/28	To Mare Is	Rqts info as to disposition of positive plates for storage batteries.	818
322450	7/1	To Holtzer-Cabot El.Co/	(T) Proceed with h.speed set if del. 1st 6 sets in 6 wks. is assured. W Holzer-Cabot Co - Quotes prices. W 6;28	

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
235481	6/29	To Bost	Re test of oil condenser for radio transmitters. Sample to be submitted by GE Co. W
237583	7/9	Dubilier Condenser Co	States have placed mica business with Watson Bros and have orders for about 35,000 pounds.W
237689	7/9	Wireless Spec App Co	Gives names of importers from whom mica is purchased.W
234159	SEE CARD 22	Dubilier Condenser Co relative to mica held in London 7/27 To Dubilier Co—8/3 Dubilier Co 8/10	To Watson Brothers—Reqt names of firms in England from which mica has been ordered.7/11 To Jos. Huse & Sons—Ditto. 7/11 Watson Bros 7/12 Joseph Huse & Son 7/13 Nav Attache, London necessary to know m names of firms 7/4 Watson Bros 7/25
238385	7/13	Chloride of Silver Dry Cell Battery Co	Fwds vandykes of chloride of silver cells, types 131, 132 and 134.W
238383	7/13 To—7/30	The Dale-Rey Corp	Gasoline engines for operating 1/4 kw radio sets; states have completed set ready for test, at factory.W To—Reqt ship engine to Wash for test.7/19 To Wash—Instrns.7/19 Co 7/20
239065	7/16	John Firth T	Will call at Bureau 17th.W

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N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.
239274	7/10	NY T	Condensers not available; 57 retained from Lowenstein contract 28028.W To S&A--7/19
239384	7/19	To S&A	Reqt shipt of condensers from Bost to Chasn.W (See 237820-371-6)
239597	7/18	Chasn	Request vandykes of condenser rack for mica condensers.W To--Fwds Vandyke.8/7
239747	7/20	S&A	Fwds Phila Yd's shipping request for condensers.W Fwd S&A-~~xd~~ 72/5
241132	7/26	Bost	Dubilier mica transmitting condensers; recommends next lot call for 18 sections units.W To--Appvs rec.8/1
241720	8/1	NY	Condenser jar racks; fwds vandykes.W
242063	8/6	To S&A 3	Reqt shipt of Dubilier condensers from Bost to NY for issue. W

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
231718	6-2	Bost copy	Wireless Spec. Co Mica condensers; submits special report on test on.W
231902	6/2	Wash	Request Bost Yd ship mica transmitting condensers to be installed on PENNSYLVANIA.W
	To S&A—Reqt shipt of trans condensers from Bost to Wash.6/8		To Bost—Re disposition of condensers.6/8
231980	5/14	Dubilier Condenser Co	Transmitting condensers; states impracticable to make one solid Bakelite knob.W
232063	6/5	To Dubilier Condenser Co	Reqt make up sample condenser using bakelite bushings and submit to Bu. W
	Co reqt new type no. be assigned to their condensers on which they are placing a Bakelite knob insulator 6/13		Co will make changes to secure larger safety factor; states cost sheets are at disposal of Bureau, etc 6/7
	To—Comments on.6/20		
232199	6-6	Auringer, J.J.	Calls attention to his new type tacting condenser.W
	To—7/11		CARD 25
	Auringer 7/23		JJ Auringer reqt report on condenser (date ?)
	Auringer asks if test completed 11/1		Moorhead Laboratories are shipping detector for test 6/27
232639	6/8	Elec Stor Bat Co	Fwds prints of Navy Ironclad batteries for wireless service.W
233917	6/15	Albert S. Kuhn	In position to furnish leyden jars.W
234159	6/15	Wireless Spec App Co	Request cooperation in securing release of mica in England for Joseph Huse & Co.W
	Naval Intel. fwds copy of Cable Naval Attache London reqting names of firms.W		Co (T) reqt assistance 6/19
	To—Reqt names of importers of mica. 7/6		To N av Intell—Reqt co-operation in getting mica released.6/21
			To—Gives action taken.6/21 CARD 23
234474	6/18	Bost	Fwds report on test of Wireless Specialty Apparatus Co's mica condensers.W

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N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.
234677	6/20	Dubilier Condenser Co	Mica transmitting condenser; fwds print showing changes in dimensions. W
234841	6/19	Western Elec Co	Request be furnished with specification blanks for submitting bid on storage batteries. W To--Comments on. 7/5
234895	6/21	NY	Jar condenser rack; reports forwarding plans listed ~~and~~ to Bost; alterations requested by Bureau not made. W
235028	6/22	Dubilier Condenser Co	Fwds patents covering 2 condensers. W To--Acknowledges. 6/23
235095	6/21	Bost	Dubilier mica transmitting condensers; reports on test of. W
235481	6-26	Gen Elec Co Tp	Oil condenser ready for test 27th; reqt Bost be authorized. W To--(T) Refers to Bost. 6/27
235622	6-26	NY	Mica condensers, Dubilier type; fwds print showing new form of container. Y
232366	6/25	NY	Will forward information as soon as test made. W
235813	6/27 To--Gives action. 7/14 To--Comments on. 8/6 Co fwds corrected print 8/9	Dubilier Condenser Co.	Fwds print of a mica transmitting condenser. W To--Assigns type numbers to 7/3 Co recommends one type used in 18 sections in lieu of 2 types used in 16 and 20 7/6

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[OVER.]

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GENERATING SETS; BATTERIES.

Number.	Date.	From or To—	Subject.
223117	4/16	To M.R.Hutchison	New design combined A and B battery storage sets for audion work should go to 40 volts on B side. Reqt progress of work. W M R Hutchison gives weight 4/19
223636	4/17	NY	Condenser jar racks; fwds prints.W Fwd Bost--5/19 RB 6/1 Fwd NY--6/8 RB 9/8
224240	?	Dubillier Condenser Co.	transmitter Mica/Condenser,copper; makes reduction price 25 cents.W
224121	4/21 To--4/27 encloses print 5/3 To--Appvs types and assigns type numbers 5/10 To--5/11 drawings in few days.5/12	To M.R.Hutchison M.R. Hutchison will fwd	100 Volt "B" Battery sent to Wash for test should be considered standard. Comments re improving and enlarging on. W M R Hutchison asks if box is to be watertight 4/24 Muller Reese Hutchison will proceed with design.4/26 M R Hutchison have designed complete unit;
221780	SEE CARD 20		To M.R.Hutchison--Replies to letter of 4/17. 4/23 M R Hutchison have devised a standard tank CU-72 battery 4/26 M R Hutchison fwds prints 5/8
225200	4/27	DeForest Co	Edison"B" Storage Battery - voltage 40 - asks if correct in connection with furnishing andiom buld W

N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.
225252	4/28	To Bost	Standard mica trans condensers. Reqt rec as to exact temperature rise that should be bespecified in specns, in order to determine price of. W
	Bost states upon receipt of apparatus auth; laboratories will in position to make test of condensers.6/2		Bost 5/9
			To--Instrns re further tests. 5/26
227946	5/3	De Forest Co	Batteries for dirigible radio sets; have cancelled order for wooden cases; will use separate steel cases for a and b batteries.W (Cross to 918)
			To--Comments on.5/15
228374	4/14	Miller/ R Hutchison	Asks if storage batteries for A and B circuits of the audion; fwds prints of name plate drawings.W
			To--Appvs with changes as listed.5/18
			M R Hutchison fwds drawings of batteries for a and b circuits 5/24
288702	5/14	Bost	Request authority to ship mica condensers to Pug Sd on their request #926.W
			To Pug Sd--Ask need of condensers. 6/2
			Pug Sd request 40 mica condensers be stricken from requisition 926 7/3
			Fwd S&A--7/6
229331	5-19	Chloride Silver Dry Cell & Battery Co	Fwdsprint and samples of standard cell and case.W
	Co states drawings were sent on July 13th 7/23		To--Lists types of dry cells have standardized on for present. 5/26
	Co fwds vandyke 7/24		To--Fwds bluep int instructions.6/5
			To --Vandykes not received.7/20
230273	5/25	To Bost	Radio telegraph. Leyden Jars for stock. Instrns re carrying ample stock of on hand.W
			Bost request number of leyden jard be increased to 3,000 5/29
			Fwd S&A--6/2
230764	5/28	To Wash	Reqt plans and ests for assembly for container for Chloride of Silver "B" Battery. W
			To--Reqt reply.6/23 RB without original6/27
			RB with estimates 6/23
			To--Appvs ests. 7/10

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[OVER.]

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
Norf 1683	3/21	To Norf	Have decided that none of Mica condensers .004 microfarad being purchased as trans condensers will be carried in stock. WR
219365	3-23	Dubilier Condenser Co	Reports status of manufacture, procuring of mica,etc.W
218502		CARD 19 S&A fwds copies of correspondence with State Dept and John Firth and Dubilier Condenser Co 6/28	Dept of State request name and address of exporter of mica 3/23 To Dept State--(Sec Sig) Gives infor.3/28 State Dept will take up 4-3 State Dept states question must be taken up with British Government 4/17 W
219653	3-23	Chloride of Silver Dry Cell Battery Company	Request opportunity to show sample of new cell.W To--Offers March 29th as day. 3/28 Chloride Co Request report on batteries submitted 4/11 To--Will fwd report when rec'd.4/16
220164	3/29	Bost T	Leyden jars; Pug Sd.request authority to substitute mica condensers on shipment.W To--(T) Disappvs. 3/31
		To--Gives status of matter.5/17 State Dept states license for exportation to K&C was issued May 1st 5/12	
220861	3-3	Kilbourne & Clark Co To--Fwds copy of letter to State Department 4/7 State Dept have communicated with Amer Ambassador 4/12	Request Bureau Cable London Embassy to secure clearance of India Mica ordered thru Atwater & Sons.W. To Sec State--(Sec Sig) Reqt arrgts be made for immediate shipt. 4/7
220999	4-4	Dubilier Condenser Co	Status of order for mica condensers.W.
220954	3-23	CUSHING	Reports on mica transmitting condensers.W.

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GENERATING SETS. BATTERIES. 882 -- 1

Number.	Date.	From or To—	Subject.
220883	4/5	To Wash	Fwds sample of new type of silver chloride cell manufd by Chloride of Silver Dry Cell Co. Reqt recommendations re puchasing sample set for test.W RB 5-18 To Chloride of Silver Co--Will not adopt sample left at Bu for test.5/29
221525	4-8 4-?	Queen Gray Co C&R	Silver chloride cells.W.
221288	4/7	To Firms	Ask principle source of supply of mica in large sheets, such as is used in radio apparatus, and whether supply is lasting. W Schoonmaker Co gives amount of mica they can supply 4/9 Eugene Munsell Co 4/9 Watson Bros 4/9
221780	4-7	DeForest Co To Miller Reese Hutchison--Ask earliest delivery can guarantee for battery boxes. 4/16 De Forest Co reqt early action on letter of Apr 7th 4/14 To--Comments.4/21	Recommends substitutuion of chloride silver cells in lieu of Edison batteries for radio apparatus for submarine chasers, dirigibles, etc. W To--4/16 MR Hutchison reports further on their batteries, time of delivery, price, etc 4/17 CARD 21
222610	4-12	M.H.Hutchinson	Edison batteries for radio purposes; plan.W.
2227 01	4/12	Atl Flt	Variable oil condenser for De Forest oscillion set; request one be issued to QYOMING for test.W To--Comments. Reqt certain infor.4/23 Atl Flt information will be forwarded as soon as possible 4/27 Fwd Wash--5/10 RB 5-24 To S&A--Reqt shipt of variable condenser from wash to WYOMING. 5/10

NB—0120

[OVER.]

1917

GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.	
213137	1-30	Phila	Mica condensers; install on MCCALL; fwds report of test.W To Bost--Directs tests to determine relative efficiencies of mica and glass condensers.2/13 Bost app for making test not available 3-16	
W 206	2-3	John Firth	Dubilier mica condensers; recommends contract be extended to; have secured options on mica in this country; will be impossible to importmore	629
218	2-15	Dubilier Condenser Co	Fwds vandykes protective condensers under contract.	629
215943	2-14	Dubilier Cond Co	Reports they have increased capacity of plant; have option on $60,000 work mica.W	
216013 ~~218013~~	2-7	M.H.Hutchinson Fwd New Orl Supt via Comdt--For comment.3/13 RB 4-30 To De Forest Co--Directs communicate with manufrs with view to including battery in set.3/13 Hutchinson additional data & prints, audion A & B batteries, fwds 5/19	States 84 cell battery for use with audion circuits forwarded to Washn Jan.4; states future delivers will be improved.W. To--Comments on. 2/27 Hutchinson fwds print of a battery for aeroplane radio sets; request certain information 3/8 To--Gives information.3/13	
215971	2/27	To Yards To S&A--Reqt shipt of 10 mica condensers from Bost to M.Is. 3/17 To Wireless Spec Co--Fwds drawing RE 31F,104A, standard mica condenser.	Radio telegraph--Mica transmitting condensers. ~~Bost will keep supply and will issue only on auth from BU.~~ M Is request shipment of condensers be authorized for use in laboratory 3/8 OVER Ask if want to submit sample for test.3/17	
218543	3-2	Dubilier Condenser Co	Request permission to sell condenser to Western Elec Co.W. To--Satis. 3/8 Co request Bureau take up expediting of patent with Commissioner of Patents 3/10 To--Cannot accomodate.3/17	

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GENERATING SETS; BATTERIES. 882-1

Number.	Date.	From or To—	Subject.
217014	3/7	To John Firth	Reqt sample name plate such as are supplying on standard protective devices, type CD 53, to assist in preparing standard nameplate.W John Firth will submit sample by mail or bring to Washington March 17th 3/16
218103	3-13	Dubilier Condenser Co	Asks results of test sample protective condenser made at Arlington and if they may expect orders for.W Fwd Wash--3/16 RB 5-15 Wash will hold test about Apr 7th; necessary to construct transformer 4/3
218439	3/16	MCCALL	Reports on mica condensers W
215971	OVER		To Bost--Ask number of condensers now in store. Also list of all shipt of made. 3/17 To Bost--Directs submit report of test of condenser from Wireless Spec App.Co. 3/17 Bost submits list of mica ~~condense~~ transmitters condensers shipped from yard 3/27 Bost sample of mica condenser not yet received 3/30 Bost submits report on mica transmitting condensers furnished by John Firth 6/21
218346	3/16	To John Firth T	Prefer visit Bu early next week instead Saturday. W
218502	3/17	To John Firth	Fwds copy of letter to state Dept reqting arrgts be made to cover exportation of India mica from India to Watson Brothers, Bost. W To Sec State--(Sec Sig) Reqt application be made to British authorities for exportation of.3/19
218606	3/17	Crocker, Wheeler Co	Motor generator rheostats for 1/2 kw sets; asks approval of certain type.W To--Cancels sheet 12-B of specns. 3/20

Bost submits list of mica condensers shipped Mare Island Mar 29 3/29
To Bost--Reqt number of condensers in store.4/7RB 4-16
Wireless Specialty mica condenser fwds report of test.5/12
To Bost--Reqt certain infor.6/13
Dubilier Co fwds copy of letter to State Dept giving port 3/21

CARD 20

NB—0120

[OVER.]

GENERATING SET: BATTERIES.

1916

Number.	Date.	From or To—	Subject.	
209066	12-18	JG Biddle	Mica condensers; request drawings, specns, etc. W To--Will be fwded within a few days. 12/20 Biddle reports non-receipt of specns and drawings 1/4 To--Fwds. 1/8	
209224	12/20	To Wash	Directs 12 variable condensers being manufd at Wash be held for issue with Kolstermeters. Reqt est. 12/20 Wash fwds estimates and plans 1/4 To--Appvs est. 1/8 Wash--Variable condensers completed 4/7 To S&A--Reqt shipt of variable condensers to Phila. 4/17	
209338	12/21	To John Firth	Acknowledges letter Dec 19th, showing capacity measurements of mica condensers. W	
209356	12-18	Bost	Mica condenser and racks; reqt latest drawings.W To--Fwds Vandykes of. 1/2	

1917

210308	1/3	To John Firth	Bu desires brass be used in connection with mica condensers. W	
210674	1-3	Dubilier, W	Protective condenser for arc sets; asks data as to capacity, and voltage required.W	
210563	1/5	To E. Marcuson	Reqt catalogs on small lead-type storage battery, suitable for use on the B battery of an audion detector	607

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GENERATING SET: BATTERIES. 882-1

Number.	Date.	From or To—	Subject.	
210915	1-4 To S&A--Reqt contr be amended to call for delivery of No 2 type of cell at an inc in price. 2/27	Washn	Burn-Boston dry cells for radio; reports on test of and recommends manner in which Batteries should be boxes when supplied under contract; recommends holding up contract pending investigation. W To S&A--Reqt contr be amended to call for 1400 cells instead of 4000 cells. 1/17 To Wash--Gives action on. 1/17	
210976	1/9	To John Firth	Reqt est of cost of one experimental condenser for test with arc generator at Radio, Va. W John Firth have received specifications for protective condensers for arc sets; have started work on model 1/11 Dubilier Condenser Co reports sending sample protective condenser to Arlington for test; quotes prices in lots of 100 or more 2/27 Fwd Wash--3/2 RB 5-15 To Wash--Reqt reply. 4/23	
	To Wash--4/23 To--Comments on. 4/23			
211978	1-17 Fwd Wash--4/14 Burn. Bost Bat Co gives results test of battery furnished under contract 444, in comparison with same cell filled with water at time of use 4/13	Burn Boston Bat Co	Fwds batteries for radio work by express for test. W of To Wash--Quotes letter with instrns re test. 1/25 RB 2-14 To Co 2/24 Co forwarding sample cell by express; writes relative to further test 4/5	BELOW
206546		CARD 17	John Firth mica condensers; states samples submitted to NY Yd show new form of insulation on top, has nothing to do with Bost order 1/27	
212985	1-29	Washn	Variable condensers; submits estimate. W To--Appvs ests. 2/1	
211978		ABOVE	Burn-Boston Battery Co detailed comments 4/27 To Burn Boston Bat Co--Comments on. 5/10	

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[OVER.]

GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.
204792	11/7	To John Firth	Protective devices: Releative to simplification: also question of name plate requirements. W To--Reqt complete set of drawing of condensers. 11/8
204889	11/7	To Bu Standards Dept Commerce	Reqts working drawings of variable oil condenser used in Radio Laboratory of Bu of Standards. W Bu Standards will submit drawings when mod-are made 11-17
205043	11-9	Simon, EJ	Seibt condensers; reports 50 practically completed; quotes price on. W
205544	11-14	John Firth	Dubilier protective condenser; request Phila be directed to expedite test? W To--Gives action taken. 11/16
206146	11-21	John Firth	Protective condensers; must have action on order this week on account of advance in prices W
206182	11-21	John Firth	Dubilier protective condensers; quotes prices on quantities 500 to 1000. W To--Phila will submit reqn for 750 at $8.50 each. 11/23 Firth are closing deal for mica for 750 condensers 11/24

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GENERATING SE S: BATTERIES. 882-1

Number.	Date.	From or To—	Subject.	
206445	11-24	Bost R	24 Dubilier mica condensers received and tested; 18 assigned CUSHING and MCCALL; understand 16 required for Arlington; request instructions.S	
		To J.Firth--Comments on requirements.1/26		
		To--Directs 1000 mica condensers bought from John Firth be held in stock. 1/19		
206546	11/25	To Bost	Mica transmitting condensers. Reqt rec re purchasing 1000; yard to keep accurate record of each condenser shipt. W	
		Fwd NY--1/9 RB 1-23		
		Bost have made reqnfor 1000 12-19	Bost recommends condensers that have passed test be used on Destroyers and Battleships where gas and Leyden jar type have proved offensive 12/2	
		NY submits recommendations 12/23		
		To John Firth--Comments on possibility of moisutre entering the condenser around the center terminal. 1/4	To--Directs make proprietary reqn for 1000 condensers, waiving competition, from John Firth. 12/6	
		Firth gives present design fitting terminal to mica condenser; take up with NY Yd 1/5	To NY--Ask for rec re condensers if have any. 12/6	CARD 18
204014	11/25	To Bost	Condensers for CUSHING and McCALL and stock. Directs prepare reqn as originally ordered.	841
206571	11-24	Bost	Fumes emited by Leyden jar transmitting condenser Coated with hot beeswax eliminates; (See 1826.24-496). W	
			To--Comments on. Reqts certain infor.12/1	
			Bost fwds report on fumes given out by leyden jars; corrects test #2 1/5	
207307	11-29	Bost	Receiving condenser; asks for calibration curves type B recently received.W	
			To--Comments on. 12/20	
207942	12/8	To J. Firth	Have directed Bost prepare reqn for 1000 mica transmitting condensers at $32. Gives advise so Firth can go ahead and purchase copper and mica for. W	

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GENERATING SETS: BATTERIES.

Number.	Date.	From or To—	Subject.	
198005	8-29	Wireless Spec Co.	Dubilier mica condenser; gives capacity measurements.W	
198656	9-7	To John Firth.	Ventilating system to remove gases given off from leyden condenser jars; reqt quotations for supplying condensers for.W Firth makes appt for Sept 12 9-9	
198911	9-9	John Firth	Dubilier mica condensers; objects to installing protective spark gaps in each unit. W To--latest specns has no such requirement. 10/17	
199074	9-12	To Wireless Improvement Co.	Reqt data for use in considering question of requiring mica condensers for use in protective devices for radio appratus. W Wireless Co. make appt for Mr Dubilier 9-13	
199277	9-14	To Nav Intell.	Reqts cablegram be sent to Naval Attache, London asking price Admiralty pay for mica condensers as purchased from Dubilier Condensers Co. W Nav Intel Adm and mfgr refuse to give prices 9-19	
199953	9-21	To Bost.	Radio telegraph; directs prepare reqn for 24 mica condenser units for stock. W	
200129	9/27	To Lt.R.R.Waesche, USCG	Fwds specifications covering rack for mica condensers	876

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GENERATING SETS; BATTERIES 862 — 1

Number.	Date.	From or To—	Subject.
201954	10/11	To M.R.Hutchison, Thos. A. Edison Lab.	Suitable source of potential for the B Circuit of the audion. Comments on various tests made Edison Co 10/16 To—Appreciates co-operation of Mr. Edison in going ahead at once with manuf of sotr battery for B Battery audion work. 10/19
203440	10-23	Babcock, CD	Radio condensers; request opportunity to bid on To—Reqts to defer until about Jan 1. 10/30
203992	10-19	M.Is	Dubilier condensers; request plans.W To—Fwds Vandykes of plans reqted. 11/13
204010	10/30	To Wash	Directs remodel and repair 6 variable condensers Fessenden Type, Naval Radio Lab, Bu of Standards.W
204430	11-3	Firth, John	Dubilier condensers for use protective device; quotes price.W
204431	11-1	John Firth	Quotes price $32. each for Dubilier mica condensers.W
204551	11-4	John Firth	High tension condensers; asks changes desired in name plates.W

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GENERATING SETS; BATTERIES.

1016

Number.	Date.	From or To—	Subject.	
188294	5-17	NY	Condensers; reports inability to secure good mica on account of war troubles; recommends one be developed using cerosine dielectric in lieu of mica.W To--Instructions. 7/14	
2335 M Is shipment	5/29 request	Fwd M Is	Cancel request; Pug Sd will furnish condenser jar racks and jars for the 2 kw and 5 kw transmitting sets to be manufactured by Pacific Coast yards.WR	
191623 NY 8/1	6-23 To NY--Appvs drawing. 7/19	NY	Mica transmitting condensers; submits report of test; recommends that Wireless Spec Co type P-116 be approved for naval use.W To--Reqt sketch of. 7/6 NY mica transmitting condensers; fwds prints showing aluminum containers; submits estimate with suggestions for additional terminals 7/17	
192056	6-28	Radio Mfg Co	Mica condensers; request be placed on list of bidders. W To--Offers to test at Bost Yd. 8/11	
191797	6-24	TO John Firth	Comments on drawings for Dublier condenser container casting; fwds Bu drawing of container casting for comment	882-3
193413	7/12	John Firth	Mica condenser; fwds print for comment.W ~~Pug Sd 12/18~~ Stations --	
194314		OVER	Phila 12/9 Norf 12/9 M Is 12/5 Darien 12/8 Ports 12/15 Pug Sd 12/18 Wash 12/29 Key West 1/17	

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882 — 1 GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.
193636	7-15	To NY.	Prints of condenser rack drawings; directs set of be forwarded to F. Lowenstein. W
		To Yards & Sta--Reqt comment on supply of current for operating local sounders. 11/25 Chasn 12-18	
		M. Is recommends small direct connected motor generator in lieu batteries 11-8 Narr 12-11 Guan 12-7	
194314	7/14	M Is	Specifications for gravity battery jars for radio; fwds. W New Orleans 12/1
		Bost 11/29 To--Reqt comment on elimination of ~~radi~~ gravity batteries from radio stock list. 10/30 NY 12/6	To--Action withheld. 7/31 Aero Sta 11/29 M. Is recommends standard set of specns be drawn up 8-10 Nav Acad 12/1 Grt Lks 11/29 OVER
194088	5/29	Elec Stor Bat Co	Recommendations for batteries for radio use. W
195860	7/27	Dr. L. W. Austin	Radio transmitting condensers; suggested revision in specifications. W
196112	8/9	John Firth	Request report on Dubilier condensers. W Ref. N.I. Give Firth data 8-28 RR 9/9 To NY--Furnish Firth all reports of tests made of condesners made by him. 9/13
196270	8-11	To Wireless Spec Co.	Asks what Co would considered to be a practicable variation which should be specified in the purchase of mica trnanmitting condensers of capacity of 0.004 mfd. W John Firth 8/21 NY gives capacity 8-22
197230	8-18	Phila	Condensers; protective devices; asks specns covering lurchase of. W To--Rec specns be same as stock No 16-C-2; In revision of stock catalog protective device of Dubilier Condenser Co will be included. 11/28
197535	8-22	Laboratory, Bu Standards	Reports on Murdock moulded condenser. W
197861	8-25	Bost	Condensers; metal container for; reqt plan. W To--Fwds. 9/5

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GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
176057	1-12	To Bost-Chas-NY-Norf.	Storage battery outfit available for installation at radio station; asks whether apparatus will be needed; apparatus available at Norf. W Bost cannot use 1-15 Chasn 1-29 NY 1-25 Norf 1-25 To Norf-- 2/21 Bost quotes Bu approval	2-19
176319	1-15	To Bost.	Manufacure of condenser jar racks; job order #12-Z-5256-2; asks authority for. W Bost gives correct number 1-19	
176605	1-19	NY	Reports on test of paper condenser submitted by Stromberg Carlson Co. Recommends adoption. W Cha To NY--Reqt further information on.2/10 NY submits report 2-24 Fwd Phila--For comment. 3/24 RB 3/31	
179154	2-15	To Bost.	Asks authority for manuf of condenser jar racks. W	
180402	2-29	NY	Mica condensers mfg by John Firth; reports on test.W To--Reqn for mica transmitting condensers will be prepared as recommended. 3/6	
	3-2	Fwd S&A.	jars N.S.A Reqt 541 NY Leyden; refers to 153343-914; new system for supply and distribution of radio stock. W-R	
180622	3/3	John Firth	Mica condensers tested at NY; reqt report on.W Firth reqt reply. 3/15 To--Quotes report on. 3/22	
180865	1-8	Bu Standards	Diagram showing change of resistance of high resistance shunt cross condensers.W	

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882 -- 1 GEN SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
180923	3-9	To C&R.	Ventilation of radio stations; re memoval of gases given off from leyden jars when apparatus is in full operation. W	408-6
182531	3/15	Colon	Reports on trouble experienced in charging 300 ampere hour storage battery; describes apparatus used for charging	808
184033	4/6	General Transmission C o	Are sole owners of Amer rights of Seibts variable radio receiving condensers; reqt orders.W Fwd Wash--For comment. 4/14 To--Ack receipt of. 4/14	
184093	4/7	Marconi Wireless Co	Condenser jars; reasons why they should receive award on Boston Yd proposal $27.W Fwd S&A-- For comemt. 4/8 RB 4/21 Marconi Cp states Bu esu is paying too much for jars 4-10 To--Now under investigation.4/12 Fwd S&A-- 4/25 To--Co should bid on appratus. 4/25	
9452	4/10	Wireless Imp C o	Murdock condensers; gives description of those bid on; will abandon use of wooden containers and use metal case with B akelite top	706
186608	4/29	G. H. Clark	Mica condensers; recommends test at Arlington; furnished by the Wireless Spec App Co, developed by William Dublier.W	
186421	5/4	To Bost	Reqt data on typeof dry cell manuf by Boston-Burn Dry Cell Co of Bost	876
26028	5/5	Lowenstein Co	Asks if mica condensers furnished by John Firth will be acceptable	629

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GENERATING SETS: BATTERIES. 1915

Number.	Date.	From or To--	Subject.	
151693	4-3	NY 809-752	Condenser racks; inc estimate.W To-- Appvs. 4/9	
155800	5-19	NY	Leyden jars; recommends no replacements of other than standard size be purchased and that non-standard jars be replaced.W To--Appvs rec. 5/27	
159319	6-30	NY	Recommends mica condensers be bought in lieu of Telefunken paper condensers.W	
161102	7-19	NY	Reports test of glass samples submitted by Vacuum Specialty Co. for radio condensers.W	
161105	7-17	Bost	Condenser rack; fwds print showing proposed alteration in design of. W Fwd NY-- For comment. 7/23 RB 8/17 Fwd Bost 8-18	
161589	7/26	General Transmission Co	States American representative of the Seibt condensers; reqt consideration of W	
162679	7/7	Bu Standards	Reports on test of oil furnished by Standard Oil Co for use in radio condensers	692
166593	9/22	NY	Radio condensers; asks if all requests to be referred to Washn Yd. for filling. W To-- Instructions. 9/30 To S&A--Reqt ~~shipment~~ Wash be designated as distributing point of variable condensers. W-R. 9/30	

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GENERATING SETS: BATTERIES. 882-1

Number.	Date.	From or To—	Subject.
167927	10-7	NY	Jar racks; fwds vandykes.W To--Appvs. 10/14
168859	10-19	Washington	Recommends transfer of mfg of mica transmitting condensers from Washn to NY; lists material to be transferred.W Fwd NY for comment 10/21 RB 11/1 To NY--Appvs; will reqt transfer of. 11/3 To--Appvs; will reqt shipment of 11/3 To S&A--Reqt for shipment. 11/5 NY est 12-6 To NY asks additional data 12/15 NY 12/21
		To NY--Appvs est. 12/24 To NY--Rec details of design of container be taken up with manuf. 4/25 NY status of test 4-29	
170966	11-12	Grebe, A.H. Co T	Leyden jars; reqt blank specns, etc. covering; offers to submit sample to NY for test.W To--(T) No records of bids for; take up with NPO NY. 11/12
173605	12-9	NY	Condenser jar rack; vandykes.W
173955	?	Bu Standards	Air condensers; various makes; reports on capacities of. W
174872	12/28	William Dubilier	States manufactures mica condensers for radio transmitting sets.W To--Reqt quotation; offers to test sample. 12/30 To Bost--Fwds copy above. 12/30 Bost returns Dubilier's letter 1/11
175792	1-7	Marconi Co.	Fwds specns proposed for containers for condenser. W. Fwd NY--For comment and rec. 1/20 RB 1/27 Fwd NY--Reqt reply. 1/24 RB 1/28 To--Comments on. 1/29 Marconi reqt additional 3-10 Fwd NY-- For comment and rec. 3/14 RB 3/22 To--Gives add data. 3/23

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GENERATING SETS: BATTERIES.

1914

Number.	Date.	From or To—	Subject.
130536	7/22	Edison Stor·Bat·Co·	Recn.323; one 500 - 600 volt, 300 ampere hours storage battery; Dept has directed award to. Requests new switchboard arrangement.W Co replies to commends 7-27 To--7/29
131480	8-3	Edison Storage Bat Co.	Battery control board proposed for Point Isabel; fwds print.W To---ack.8/6
132450	8/17	To NY	Leyden jars in store; asks number in store, number due on existing contracts, and probable time will last.W NY gives stock 8-21
137080	10-10	MacBeth Evans Co.	Leyden jars; impossible to make glass jars without slight variance in thickness of glass; reqt maximum and minimum leeway be allowed.W Fwd NY-- For comment and rec. 10/13 To--Will consider an estimate for 100. 10/28
138555	10-31	NY	Leyden jars condensers; reports on test of those submitted by Collender Co. W. To Collener Co-- Fwds copy report. 11/4
139488	11-13	To NY	Reqt plans for condenser jar racks be furnished Pug Sd. 11/13
140673	11-28	Wireless Spec Co.	Reqt report on Leyden jars made of domestic glass tested at NY as compared with Bohemian glass. L To--Fwds. 12/7

N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882-1

Number.	Date.	From or To—		Subject.
141208	12-3	NY	935-236-2	Domestic Leyden jars; submitted by Wireless Spec App Co. manufaftured by Corning Glass Wks Reports on; favorable; recommends adoption.L To--Appvs acceptance of 12/7
142109	12-12	NY	935-236-4	Reports on test of glass jars for condensers manufactured by Corning Glass Co. Submitted by Callender & Co. W
143847	1-7	To PS.		Manufacutre of 2 double racks for antenna condensers; reqt information as to increased cost. W
			1915	
144198	1-8	NY	809-12	Standard jar racks and clips; fwds plan.W
146910	2-9	Washn		Standard variable condenser, Clark design; reports on test and submits estimate for manufacturing. W. To--Instructions. 2/24 Washn 3-1
146982	2-4	Pug.Sd		Double racks for antennae jars; explains apparent excessive cost of mfg.W To-- Comments on. 3/9
147107	2-3 2-11	NY S&A	809-29	Leyden jar racks; revised estimate for mfg. W Fwd S&A-- Appvs estimates. 2/16
147606	2-17	To NY		Disappvs est for manuf under NSA 311 for leyden jar racks; will be manuf at Bost.W-R

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GENERAT NG SETS: BATTERIES: 882-1

1913

Number.	Date.	From or To—		Subject.	
108815	10-24	Radio Tel.Co.		Condensers;quotes price W To---Ack.10/27.	
112800	12-13	Wireless Spec App Co		Container for Leyden jars; have new form; quotes price.W	
113566	12/26	C.O.		SONOMA: states Marconi radio condenser not suitable for use on TUGS, reqt be replaced by Leyden jars.	451--6
			1914		
114014	1-1	Radio Tel & Tel Co		Can furnish V-C variable condensers from stock.W To---Ack.1/3.	
114020	1-2	NY		Reqt authority to mfg 50 racks for Lyden jars; part for tune shifers, remainder for stock. W (R)to---authorized.1/3.	
114196	12-31	NY	960-244	Lyden jar racks, 10 jar; inc estimate for mfg. W To---appd.1/8	
114240	1-2	NY	12	Leyden jar racks; 2 section; inc estimate.W To---appd.1/8	
114241	12-3L	NY	960-252	20 Leyden jar racks; inc estimate.W To---appd.1/7	
116257	1/28	To NY	R	Increased estimates, EO's letter 593-5 appd.K To---appd.1/29.	

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GENERATING SETS: BATTERIES: 882-1

Number.	Date.	From or To—	Subject.	
116792	1-22	Wireless Spec.App Co	Fwds type of Leyden Jars with new form container.W To---Bu considers it efficient.2/5	
117431	2/11	To S&A	300 De Forest Radio condenser plates, reqt shipment from Key West to NY.	817
20301	2/21	S&A	Copy of letter to Wireless Spec. Co., authorizing use of new container for leyden jars.	629
		1914		
123515	4-23	NY 855-84	Standard Leyden Jars;racks; plan.W To---returns tracings appd.5/4.	
125326	5/18	NY	Navy standard jar rack; fwds Vandykes.W	
125460	5/21	Wireless Spe.App.Co.	Navy standard leyden jars; protests against award of certain requisitions to other firms.W	
126327	6/1	To NY T	Wireless Spe.App.protests award leyden jars to At.Com.Co. Asks if Telefunken jars del. NY recn.2090 were in accordance with spcfns.W NY (R) 6/2. gives information.W	
126532	6/4	NY	Jar racks; none in stated that will hold 10 jars; request authority to mfr 20; submits estimate.W Fwd S&A--request authorization 6/6	

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GENERATING SETS: BATTERIES: 882-1 1912

Number.	Date.	From or To—	Subject.	
82051	11-5	NY 855-705	Siebt condenser; delivered by Wireless Imp. Co. under reqn. 117; reqt. disposition of and authority to retain for testing in laboratory. W. To---Directs retain one; ship other to Washn yard.--To S&A reqst shipment.11/8.	
51	11/20	Brook	Fwds test sheets for storage batteries for light ship radio sets.	629
35	11/27	Brook	Fessenden compressed air condenser for radio shipped without inspn	629--2
86046	12/27	To Telefunken Co. Wireless Spe.App.Co.	Seibt condensers; asks if have in stock two, approximate capacity .003 mf.,and price.W Wireless Imp.Co. quotes price on Seibt condenser.12-28 Telefunken Co. Does not understand; fwds photo of condenser on which they quote price, 12-30	
8				
			1913	
86758	10-28	Clark, G.H.	Murdock condenser; reports on breaking down test; states practically non-inflammable. W	
91233	2/25	New Orleans	Submits estimate for placing storage batteries out of commission	821
94070	3-25	Phila	Reqt. authority to draw variable condensers out of store for use in testing radio installations made on ships.W.	

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GENERATING SETS: BATTERIES: 882-1

Number.	Date.	From or To—	Subject.	
94244	3-4	NY	Reqt. authority to purchase Murdock condensers for stock. W. To---appd.4/7.	
94440	4/8	Bailey	Reqt auth. to return condenserused on test to Naval Laboratory	903
95611	4/22	NY 855-8	Requests authority to issue job order to cover expense developing new standard jar rack.W To---appd.4/24.	
97228	5-1 5-5	Wireless Spec. App.Co. NY	Offers to make immediate delivery of 300 or 400 Leyden Jars; NY asks if any change in specns contemplated. W. Fwd S&A.No change in spcfns.5/15.	
99057	6/9	To Wireless Spe.App.Co.	Request quotation on 4 Seibt variable air condensers.W Company quotes price. 6-10 To---Order placed for two.6/12. Company ship by express 6-13	
99287	6-11	Firth, John	Seibt condensers;reqt. larger orders and thorough test at laboratory.W To---not advisable to place large order.6/12	
108296	10/18	To Yards	TIME SIGNALS, asks if any storage batteries on hand suitable for time signal longtitudinal test at ARLINGTON.	910

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GENERATING SETS: BATTERIES: 1912

Number.	Date.	From or To—	Subject.	
72450	6-29	Bu Light Houses	Asks what type Edison battery cells will be used.	678
73194	7-11	Murdock Condenser Co.	Fwds photo of improved.W m To- Ack photos and reqt price. 7/23	
No #	7/24	To NY	Survey #3, repairs to condenser.	
74739	8/1	Murdock Condenser Co.	Quotes price for complete battery of Murdock condensers in rack. W To---ack.8/7.	
74766	7/26	NY OVER	Gives names and addresses of operators who may possibly be responsible for loss of condenser of Stone set. W To PANTHER.LOUISIANA.TACOMA.NY.San Juan. New Orleans· Asks if have knowledge of. 8/3. PANTHER 8/8.Unable to locate.W BLRB 8-13-12	OVER
74970	8/2	NY 936-855-74	Reports on test of Murdock condenser mfrd by Murdock Condenser Co.W	
75079	8/5	Biddle, James G.	Huth wireless condensers: fwds pamphlet. W To---ack.8/7.	
75504	8/10	Wireless Spe.App.Co.	Enters protest against acceptance of from Telefunken Wireless Co.for Leyden jars on reqn.1515. States own basic patent covering method of deposit on jars and claims Telefunkens jars are inferior.W To---Bu has not received bids.8/12.	

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GENERATING SETS: BATTERIES. 882---1

Number.	Date.	From or To—	Subject.	
75600	8/12	Murdock Condenser Co.	Requests shipping instructions for sending condensers, tested at New York, to Washington for test.W To---Directs ship to Washn radio sta.8/13.	
75788	8/14	Murdock Condenser Co.	Murdock condenser for test; reports shipment of the 12 condensers tested at New York with rack, to Washington. Gives limits to which sets should be tested.W To---Noted.8/21.	
74766		SEE OTHER SIDE	New Orleans Radio Sta.8/8.relative to missing condenser Stone receiving set.W RB 8-26 RB 8-29	
76233	8/21	M.Is.	Denver, radio sets reqt Bu. purchase condenser and veriometer for Telefunken set/	184--6
76407	8/20	CO	PRESTON: Requests that Leyden jars be substituted for Marconi condensers for radio. Oil spills out of condensers, due to motion of ship	362-6
77306	8/6	Wireless Spe.App.Co.	Leyden jars, reqn.1315. If awarded contract, inspection must be made at factory in presence of their representative. Complains of large proportion of rejections at New York yard.W	
81814	6-20-11	Lowenstein, F.	Fwds print on castor oil condenser. W	

NB—0120

[OVER.]

882 -- 1
GENERATING SETS: BATTERIES, etc

1912

8

Number.	Date.	From or To—	Subject.	
60573	2/5	NY	States variable condenser for 1 kw Telefunken receiver shipped, Wash	898
60597	2/7	To Wash	Fessenden compressed air condenser, Directs be delivered to Bureau of Standards, for purpose of experiments.	876
61165	2-10	Wireless Spec.App.Co	Reqt. return of jar rack submitted for test on BAILEY re oil immersion.W. (W)to BAILEY. Asks if jars have been covered by reqn.2/14.	
63497	3/13	To Tor.Flo.At.Flt	RECEIVERS: reqt names of TBDS whose radio receivers are furnished with electrolytic detectors only. Will approve substitution of leyden jars condenser, Preston, after July 1st, if recommended.	898
64016	3-18	NY GSK	12 h.p. gasoline engines; asks if Bureau still desires 2 shipped to Jupiter Inlet. W	882-2
65124	4/1	To Ports	Survey #49: 60 leyden jars of radio sets from TENNESSEE: Bu desires be retained at Portsmouth yard for issue to ship and shore radio stations.W	
65218	4/2	To C.O.	MARS. reqn 244, for condensers for radio appar. Reqn does not state why are desired. Asks what is condition of present comp.air condenser.	279--6

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N.S.E. Form 134.

GENERATING SETS, 882--1

Number.	Date.	From or To—	Subject.	
66006	4/8	C.O.	VULCAN: air compressor, states check valve poor design, reqt reliable pump be furnished.	
66098	4/9	Dept	CAPE COD, not fitted withbapparatus for conducting Cadmium test storage batteries	802
66263	4/13	To Exp. Sta & S&A	TESTS: reqt shipment of one Wireless Specialty App.Co. air condenser from Wash. to Exp. Sta for use in connection with radio outfit on Bailey.	903
66752	4/17	Boston	CAPE COD, reqt instructions re making cadmium test storage battery	802
67345	4/25	Telefunken Co	APP. fwds twonphotographs of their 2-kw set with paper condenser.	876
67802	5-2	Novelty Elec.Co	Reqt. name of inventor holding patent for silver coated glass condenser jars.W To---Bu does not know.5/4.	
69798	5-14	Meirowsky Bros	Reqt. copy of report of test made at Bu Standards, condensers. W To---Not yet issued.5/20.	
No #	6/26	To Diehl Mfg.Co.	Bu.reqn.29: generators for charging storage batteries: maximum voltage should be at least 185 volts. W To---requirements.6/29. Fwd Washn PO returns bids.6/29.	

NB—0120

[OVER.]

882--1

GENERATING SETS: BATTERIES.

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Number.	Date.	From or To—	Subject.	
54411	11/24	TO Murdock, Wm.J. & Co.	Block condensers: reqt certain data re.	
54823	11/29	Murdock, Wm.J.	Block condensers; gives dimensions,etc.W To--Reqt send two sets to Bu. of Standards for test.12/4.	
54895	11/29	Wireless Specialty Apparatus Co.	Request test of oil condenser rack,delivered at New York 3 weeks ago, expedited.W To NY-Reqt early test and report.12/1.	
55485	11/29	NY 528-6	Leyden jars tested by Bu.Standards; Gives method of conducting test at yard; requests authority to retain one for sample; other jar to go to Wireless Specialty App. Co.for their guidance.W To Wireless Spec.App.Co-Gives report of test, and reqt auth. to retain one as a new standard.12/11.	
56163	12/8 12/14	Signal Office 10512 Dept. 25266-12	Ack. receipt of 198 Leyden jars from NY Yd.W Fwd S&A-Noted.12/18.	
56558	12/18	NY 6824 GSK	Shipment of Leyden jars to southern stations; reports date of shipment to Charleston, St.Augustine, and Jupiter.W Fwd Chasn.12/22. RB 1-4	
56990	12/26	To S&A	COLON: compressed air condenser, reqt shipment from Mississippi, Phila to Colón 1912	808

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N.S.E. Form 134.

GENERATING SETS: BATTERIES. 882--1

Number.	Date.	From or To—	Subject.	
58523	1/12	To Nat.E.Sig.Co.	Compressed air condenser used in tests at Bureau of Standards: Asks to what address shall be shipped.W Will comply. 1/15 To S&A.&---Shipment requested.1/18.	
58846	1/17	To Washn.	Mounded condensers; fwds copy Bu.regn.224. Requests to be advised when those for DOLPHIN are received.W Condensers received 2/1. W	
58960	1/18	Telefunken	Schedule 4250; asks if Leyden jars will be insisted upon or if paper condensers will be accepted.W. To---Paper condensers will be considered. 1/19.	
58094	1/8	NY	REC: reports on TEST of PLATE CONDENSER submmited by Wireless Specialty co	898
59185	1/19	Wireless Spec. Co	Comments on report of test of plate condensers	898
59558	1/25	To NY.	Contract 15391: directs shipment of the 25-HP kerosene engines being del.by Fairbanks-Morse Co., to Mare Is., also 12-HP engines, and wireless set (cont:15232); latter assigned Tatoosh Island station.W	882-2
60312	2-2	Washn	Molded condensers, regn. 224; 6 have been received for use on DOLPHIN. W	

NB—0120

[OVER.]

GENERATING SETS: BATTERIES:

Number.	Date.	From or To—	Subject.	
50460	9/20 10/5	War Dept.Signal Corps S&A	Reqt. authority to purchase Leyden jars.W Fwd Dept.Transfer to Army will be satisfactory to Bu.10/13.	
50632	10/9	C.O.	MICHIGAN: reports contacts on Leyden jars supplied by Telefunken Co. have dropped off due to corrosion.	286--6
51035	10/4 10/9	Wireless Spec.App.Co NY 528-765-75	Leyden Jars, reqn. 1544; appeals against rejection at NY Yd. States all goods rejected at NY are furnished to Govn. at other yards and pass without question. W Fwd M.Is.for comment.11/7. To Yards & Stations.Leyden jars to be fur.from NY Yd.11/6.	
51397	10/18	Wireless Spec.App.Co	Standard Leyden jars; are fwdng 2 for measurement; evidently difference between standard used by Govn. and their firm. W	
51416	10/14	TO WASHN.	Fwds copy reqn. NSA Bu.148, for one "Standard" D.C.motor, to be delivered at yard. Intended for naval wireless laboratory, Bureau of Standards. W	
52163	10/28	Telefunken Co.	MICHIGAN: Leyden jars; will supply 20 to replace defective ones.	286-6
52365	10/31	To NY & S&A. & Chas.	Leyden jars, submitted by Wireless Specialty App.Co. Shipment of two, to NY for comparison with standards. Fwd S&A. via NY.When comparisons have been made, reqst jars be returned to W.Spe. App.Co.11/4.	
52366	10/31	To NY & S&A & Chas.	Leyden jars; request shipment of, to Chas., Jupiter and St.Augistine. Asks Chas. if two jar racks for each station can be made up within two weeks.	

N.S.E. Form 134.

GENERATING SETS: BATTERIES: 882-1

Number.	Date.	From or To—	Subject.	
52477	10/28	Commerce & Labor	For use on wireless sets; asks if Bureau will assist in test of.W Fwd Expr.Sta.Proposed to have tests made on STRINGHAM and BAILEY. 11/4. RB 11-11	
50027		SEE CARD 5	Fwd NY.Reqn.5073; if jars are not required to fill another reqn, order should be canceled.11/2 RB 12-2	
52704	11/2	Chasn	Leyden jar condensers; and racks; Jupiters will be ready by Nov. 16; St.Augustine and Chasn later. W	
52945	11/6	NY 4924	Battery jars for Charleston, St.Augustine, & Jupiter; have covered by reqn. 718. W	
53149	11/10	Colon	Reqn of Oct.23, for porcelain condenser tubes for National Elec. Sig. Co.'s 25 kw condensers, reqt shipment as soon as practicable.	808
53490	11/14	Telefunken Co	Variable air condensers; quotes price.W	
53614	11/15	TO Wash. & S&A	New Orleans: Telefunken series gap & roller inductance, four leyden jars and one D.C. motors. reqt shipment to Wash.Sta for test	821
54008	11/14	Clark, G.W.	Leyden jars; relative to soldering of contacts.W To NY-Gives instructions re suitable method of solderingccontacts.12/1.	
54123	11/21	Austin, L.W.	Reports on test of Morowsky paper condenser.W To Wireless Spec.Ap.Co-Fwds report.12/1.	

NB—0120

[OVER.]

GENERATING SETS: BATTERIES: STORAGE:

Number.	Date.	From or To—	Subject.	
40900	6/10	Wireless Spec.App.Co	Reports shipment of special jar rack for 10 jars for used on board STRINGHAM or BAILEY. W Quotes price, etc. To --- Special oil not necessary; reqn will be submitted for jar rack. 6/12. Fwd N.Acad. Reqst test be made of jar rack. 6/12. RB 6-19	
41099	3/10	Edison Storage Bat.Co	Fwds dimensions of batteries for wireless.	W
41882	6/22	Exp.Sta.	Reports on test of Wireless Spec. condenser. To BAILEY via N.Acad. Directs shipment of rack to Foote-Pierson & Co. 8/15.	W
No #	7/8	To IDAHO	Reqn 158: One compressed air condenser is on board the NEW HAMPSHIRE; if suitable for IDAHO, transfer will be directed.	
45294	8/3	To S&A	TESTS: at Ports: reqt shipment of oil condenser from Washington	903
No #	8/16	To Telefunken W.T.Co.	T Reqn.5348: request earliest date delivery to NY of 3-KW,60-cycle induction coil.	No #
47013	8/23	Telefunken W.T.Co	Can supply copper coated Leyden jars on receipt of order; also variometers.W. To---Acknowledgment.8/25.	
No #	8/25	To NY	Survey 198:Leyden jars: Asks if Signal Corps of the Army desire these jars.#8/25.	

N.S.E. Form 134.

GENERATING SETS: BATTERIES: STORAGE. 882-1

Number.	Date.	From or To—	Subject.	
47324	8/26	Telefunken Co	Can supply battery jars copper plated; and gives advantages of same.W. Ref NY for comment.9/1. RB 9-8 TO --Has recommended purchase. 9/14	
48863	9/18	TO Telefunken Co	Air condensers; reqt. quotation. W	
Sur.198/707	9/16	To Dept	re shipment of layden jars to Army signal corps. R.B.9/20.	no number
49461	9/25	Telefunken Co.	Air condensers unable to quote on separate item; at this time; will quote in 3 weeks.W	
49819	9/28	Wireless Spec.Co	Reports repair to condenser left at works by G.H.Clark, will perform free if Dept does not approve of action.W	
50027	10/2	Wireless Spec.App.Co	Reqt. standard capacity and measurement required for Shoomaker-Leyden jars on reqn. 5073. W Ref. S&A reqs. information as to purpose required for TO/4 RB 10-28	CARD 6
50241	10/2	S&A 15637 VOID	Fans of Western Elec. Co. recommends discontinuance of use owing to excessive prices charged for spare parts.L.	
50243	10/2	Wireless Spec.App.Co	Fwds bill for repair to air condenser left by Mr.Clark. W Fwd S&A.10/5.	
50207	10/5	TO Was hn	Variable condenser; fwds copy of reqn.to cover repairs.W	

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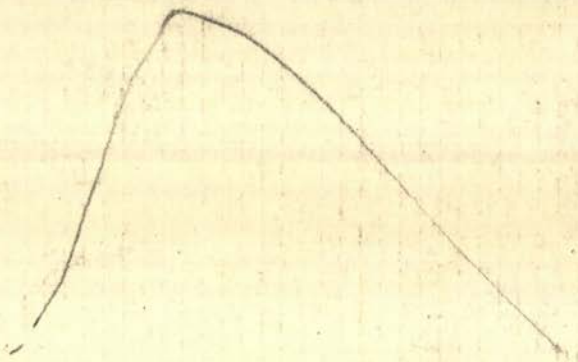
[OVER.]

GENERATING SETS: BATTERIES: STORAGE:

FILE No.		From or To— (Dated)	Subject.	
35810	4/8	S&A 111962	Condensers purchased on reqn. 101-1/2, NY from Fryburg; appropriation has lapsed and recommends new reqn: be prepared so payment can be made. W Ret -- Reqn 296 being fwd to cover. 4/14.	
35851	4/10	Meirowsky Bros	Quotes price on excelsior paper. W To Washn. Fwds copy NSA Bu.reqn.302 to cover.4/22.	
36090	4/10	Wireless Spec.App.Co	Reqt. test of new Leyden jar rack holding 10 jars in oil.W. To -- Reqst be fwd to Espr.Sta for test.4/13.	
36252	4/15	TO NY	Fwds copy of reqn. 296 covering battery of Moscicki condensers obtained from S.G.D.C.E Frieburg. Delivered several years ago. W	
36766	4/22	NY	STRINGHAM: reports shipment of LEYDEN JARS: reqt to be informed if Bureau desires stock of Shoemakers jars kept on hand.	418--6
37513	4/27	Nav.Intel	Unable to determine manufacturer of unbreakable glass for condensers. W	
37729	4/25	Societe Gen. Des. Con. Electriques.	Relative to payment for Moscicki condensers.W Fwd S&A 5/4. RB 5-16 To -- Early settlement will be made.5/18.	
40528	5/30	" " " " " " "	Re payment condensers. W. Fwd S&A. 6/7.	
40414	6/3	Wireless Spec.Co.	Reqst authority to submit condenser plates for use in Leyden Jars: will commence delivery of articles on contract 378 about July 4. W To --Willing to test at NY Yd.- Fwd NY directs test, if submitted.6/6. RB 6-10	

FILE No.		From or To— (Dated)	Subject.	
32196	2/18	NY Yd 560-9	Reports relative to value of compressed air condensers and Leyden jar condensers.W	
32433	2/25	Telefunken Co	Reports test of condensers; agree not to send copy of report to Berlin until officially published. W	
32451	2/24	NY Yd	States design of proposed rack for glass plate condenser for wireless will be made up and fwded at earliest practicable date. W	
32967	11/16/9	Clark, Geo.H.	Reports on test of copper coated Leyden jars.W	
33461	3/6	Pensacola	Reports relative to use of Leyden Jars	827
34552	3/24	To S&A	CAESAR: reqt shipment of leyden jars for wireless to New Orleans.	146--6
35040	3/30	Meirowsky Bros.	Condensers: state manufacturers reqt that Dept refrain from using their name in connection with test. W To -- Request complied with.4/7.	
35601	4/6	Austin, L.W.	Reports on compressed air condenser furnished by Nat.Elec.Sig.Co. recommends further test of copper coated jars immersed in oil.W.	
35616	4/7	TO Meirowsky Bros	Reqt. quotation excelsior paper for batteries.W	
35664	4/1	Pug.Sd	TATOOSH ISLAND: estimates for mfg of reactance regulator and jars for condenser.	838

FILE No.		From or To— (Dated)	Subject.	
31388	2/9	Austin, Dr.L.W.	Makes prelim report on losses in condensers on trial at Laboratory. W To Nat.Elec.Sig.Co. & Wireless Spe.App.Co. asking if name may be included in Bu.Standards report on comparative tests 2/15. To United W.T.Co. Same 2/15. To Telefunken W.T.Co., Meirowsky Bros., No.Amn.W.Corp. Same 2/16. To.Tel.W.T.Co. Proof can be fur.2/24.	
31813	2/16	Wireless Specialty Co	Have no objection to name appearing in report of test on Leyden jar condensers issued by Bureau Standards. W	
No #	2/16	To M.Is.	Regn 504: Item 3, for Moscicki condensers, disapproved: Purchase of other than Leyden type not desired. Bureau developing a type of plate glass condenser.	
32023	2/20	No.American Wireless	No objection to publishing results of test of Moscicki tube condenser by Bu. Standards.W	
32064	2/20	Telefunken Co	Relative to use of paper condensers in lieu of Leyden jars. W	
32062	2/20	Mierowsky Bros	Comments on results of test of condensers; no objection to name appearing in report of condensers by Bu. Standards; provided it be only stated that they were one of the firms submitting condensers for test / W.	
32060	2/20	United W.T. Co.	Test of condensers; no objection to name appearing in Published report.W	
32198	2/21	Nat.E.Sig.Co	Have no objection to name appearing in report of test of condensers by Bu. Standards, but think name of Wireless Specialty App. Co. the proper one. W	



FILE No.		From or To— (Dated)	Subject.	
29495	1/19	Telefunken W.T.Co	Wireless; asks if test of sample jars has been completed.	
29546	1/19	TO NY YD	Fwds drawing of rack for plate glass condensers for comment	
29558	1/20	To S&A	DIXIE: shipment of Leyden Jars.	
29943	1/25	TO No.American W. Corp.	States condenser receivd from them is under test and will be returned.	
29996	1/25	Societe Generale des Condensateurs Electriques.	Re payment for Moscicki condenser. To -- Early settlement expedted 2/3. Fwd S&A 4/8.	
30105	1/25	Pensacoal W.T.	Reqt 50 Leyden jars: reports full capacity jars necessary to operation station	827
30273	1/26	NY 560-6	Comments on proposed condenser rack for glass plate condenser.N. To N.Y.directs new design be submitted 2/9. To -- Reqst model set up for test.4/17.	
30936	2/4	Telefunken Co	Asks if new condenser will be considered on schedule 3307. W. To -- Suggests test at Bu.Standards 2/8.	
31010	2/7	TO NY Yd	Reqt. recommendations relative to the substitution of suitable condenser made from Leyden jars in lieu of compressed air for wireless work. W	
31686	2/15	To N.Y. S&A & Wash	KEY WEST: directs shipment of two condensers to N.Y. for overhauling	817

5-37/2 - 138-6

Number.	Date.	From or To—	Subject.	
46275	8/11	NY	APPARATUS: reports test of apparatus rec'd from Wireless Spec. App. Co.- 500 cycle, consisting of generators & transformers	876
50857	10/2	Nav. Acad.	NAV.ACAD.W.T.STA: installation of 2 kw set; estimate $100. too low.	820
51616	9/30	Dept	Special Order 110; transfers gen.sets,etc. to Title "A".	603
			1912	
70384	6/5	To Dept.	Requests consider question of installation of auxiliary source of power for operation of radio when main dynamos of naval vessels are incapacitated.W RB 6-14 deferred.	
72508	6-22	NY 930-706	Rwds.corres.from Nat.Elec.Sup.Co.re specns. for generator to be fitted to engine originally purchased for	804
			1913	
		1914		
126331	6/2	NY	Leyden jars: deliveries made by Atlantic Communication Co.,contract 480; reports on inspection of and compares with deliveries of the Wireless Specialty Apparatus Co.W	
			1915	
166434	9/17	Talbot Boiler Co.	Talbot boiler generating power for radio stations; submits proposition. W To--Ack receipt of- 9/22 To--9/30	
167154	9/30	Gen Elec Co	Quotes on Diesel oil engine gen sets for Cavite radio station	806

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1916

GENERATING SETS: RADIO. 882.

Number.	Date.	From or To—	Subject.	
189374	5/29	To Westinghouse E&M Co To G E Co	Asks opinion on the relative advantages of shunt wound commutating pole motors as compared with compound wound commutating pole motors in connection with radio arc generator apparatus	688
206550	11-26	JUPITER copy	Serious breakdown radio generator.	508-6
			1917	
211291	1-3	M. Is	Arc Apparatus; improvement in dwsign of; fwds reports on magnetic circuit, arc high frequency generators; recommends all contract specns be referred to Yard before approval W"	876
217287	3/10	To Crocker Wheeler Co	T Specns 1/2 K.W. Motor boat sets. Instrns re capacity of. W	
228663	5/15	NY	Motor generator standard descriptive data test - fwds form for approval W	
228828	5-17	Holzter-Cabot Co T	Reqt information rel to modification necessary in half kw radio motor generator recently tested at NY.W	
251624	9/25	NY	Reqt prints covering batteries.W	

NB—0120

[OVER.]

GENERATING SETS :

FILE No.		From or To— (Dated)	Subject.	
28207	1/4	To.M.Is.	Generators; fwds prints	
28823	1/9	Bost	BOSTON W.T. recommends installation of 5 KW gen. set and enlarge antennae	843
29008	1/13	Diehl Mfg.Co	Quotes price on 120 cycle alternator fitted on Mietz & Weiss oil Engine To -- Proposed to obtain on O.P. reqn a 2 or 3 K.W.,500-cycle set,chain driven	1/16.
29583	1/20	Diehl Mfg.Co	Cape Henlopen W.T. Sta. Reqt. opportunity to bid on engine for To - will give opportunity	1/21
31336	2/13	To Nat.E.Signalling	Co; Cont.13874; reqst speed of turbo-generating sets.	820
31554	2/3	C.O.	CASTINE: installation of a 60 cycle, 3 kw generator for wireless	150--6
31779	2/15	Nat.E.Sig. Co.	N.ACADEMY: gives speed of turbo-gen. cont.12874	820
31866	6/1/10	Nat.E.Sig. Co.	Cont:12874 relative to test of motor generators mfg at G.E. Co. for wireless: Inspr. states understands test will be made after delivery	629
32605	2/28	To NY	PAULDING: fwds copy of reqn for generator for wireless outfit	337--6
33574	3/11	Garwood Elec.Co.	APPARATUS: price & date can furnish 5 Kw sets with exciters for wireless	876
33660	3/10	Nat.Elec.Sig.Co.	WASH: L.D. 100 KW set: fwds prints	841
33993	3/17	N.Y.	APPARATUS: state Garwood Elec. Co. not mfg. generators & transformers	876
34178	3/15	M.Is.	WHIPPLE: 2-1/2 KW: submit estimate for work in connection with changing location.	479--6

882-3

GENERATING SETS 1922 85

Number.	Date.	From or To—	Subject.
652472	12/6	Crocker Wheeler Co	Ask if bureau can use motor generator sets listed W To Crocker-Wheeler Co- Reqsts price of equipment W 12/16 Crocker-Wheeler Co 12/21 Submits quotations. W To Crocker-Wheeler Co - comments 2/6/23
652794	12/12	To Comdts Yards listed-	Radio "B" batteries neccy to outfit vessels for winter maneuvers- request for information W Norf 12/16 W
652793	12/13	S&A	Returns shipment order 1694 unacted upon W To S&A Reqst shipment of generator from Brook to Dubilier Co 1694 12/11 Fwds S&A 12/19

4—3381

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
629720	6/24	Fulton Iron Wks.	Request opportunity to bid on Diesel engine driven generator for radio. W.	
637139	8/14	To Norf	Armatures for Motor Generators Stock of W Reqsts inform rel Norf- 10 armatures on hand 8/18 W	
640127	9/1	Crocker Wheeler Co.	Fwds drawings cov amphibious power plant. W.	
642080	9/27	To Norfolk	Motor Generators- Status Requested S W Norf- 10/9 W.	

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N. Eng. 134

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
643793	9/26	Destry Sqd. Pacf.Fleet	Request disposition of Edison Stg batteries from decommissioned destroyers. W. To S&A Reqst shipment of batteries from Washn to ml 1227 10/7 To Pac. Fleet- issue of appvd cc Pac Fleet 10/10 Battle Fleet Destroyer Squad. 12/21- Report on distribution of batteries W	
645460	10/13	Washington	Ask if any 3 phase 5, - 15,- 25 motors are available at Atl. Coast Yards. W. To Washn- no available motors at yards 10/24	
647786	10/31	Ajax Electrothermic Corpn	Ask if Bureau has bay motor generator sets for wireless apparatus for sale. W. To Ajax Elect Co- Gives inform- 11/4 Ajax Electrothermic Corpn- 11/6 W To S&A- Fwds corres. 11/7	
644368	10/29	Camp Rds	Fwds change in material sheet and pencil sketch of 5 KW generator sets L	882-2

882-1

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
614840	3/16 3/22	Chasn. S&A	DC generator manufd by Imperial Elec. Co. is on hand. Same available for transfer or sale. W Fwds S&A 3/30
614825	3/20	Elgin Gas Motor Co.	Fwds circular describing small gasoline engine with foot pedal starter. W.
	see 882-2 for this corresp.		
615623	3/27	N.Y.	Request specifications cov 30 KW motor generator for use at Guantanamo be furn. W. To NY- Fwds print 5/4
617122	4/3	GE Co.	Subm quotation cov radio telegraph high voltage DC generating apparatus. W.
621133	11/8/21 4/28	MI Dept	Beneficial suggestion by W. A. Barsto cov design of radio motor generator and transformer also JAG's opinion on making award. K Fwds MI 5/5 RB 5/17 W Fwds Dept 5/19

4—3381

882-3
N. Eng. 134

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
624482	5/22	To Northwestern Elec Co	Data requested for a machine to charge listed battery W North Western Elec.Co. Fwds bulletins and pamphlets with quotation - 5/26 W. To Northwestern Elec Co- Interested in 8-volt charging unit 6/5 W North Western Elec.Co Request more definite inform. W. 6/29 To Northwestern Elec Co- gives inform 7/14	
627262	5/31 6/7	CO SHARKEY Atl Fleet	Location of radio motor generator on F.R. type destroyers. Recomdsn covg changes in W	Q-6
35020	6/8	New York	Gives trouble experienced with motor generator set purchased from Burke Elec Co SL	629
626966	6/9	To Norf	Delco elec Units Reservation of for Radio Compass Stations see 882 Norfolk 6/13 W	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
607675	fwded from card 81		To Old Post Road Garage- generators, Crocker Wheeler manufacture gives Action taken rel cc Bd I&S W 2/16 Navy Sip Depot. 3/1 W S&A 3/11 W Fwd Washn 3/22 RB 5/18/22. W. To Washn- 4/19 Fwds S&A 6/1
610584	2/8 2/17	J. K Hewitt S&A	Ask if Bureau has any 2 KW motor generator for sale W. Fwd S&A-recommends matl listed be sold-2;24-W
611088	2/24	GE Co. (T)	Quotation on high voltage DC generator and kenotron rectifying equipt will be fwded within a few days. GE Co. 3/15/22 High voltage generating apparatus. Quotes price. W
610981			To A.C.Bunker-appreciate comments-2;25-W

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GENERATING SETS 1922

Number.	Date.	From or To—	Subject.	
607497	FROM CARD 81		N.Y.- No transformers on hand. 2/24 W To Norf-#9794-shipment of transformer to Washn. 2/27 W N.Y. 2/27 W	
611551	2/27	Crocker Wheeler Co.	Ask if Bureau desires to purchase 1100 cycle motor generator set for labr purposes. W To-- Reqst price of machine 3/31	
612800	3/6	G·E·Co.	Will submit quotation within 3 days on high voltage generator and kenotron rectifying equipt. W.	

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[OVER.]

GENERATING SETS 1921

Number.	Date.	From or To—	Subject.
587878	9/28	15th Dist. (TO	Request action in conn with motor generator urgently needed. W.
		To S&A Reqst shipmt of generator from Phil to 15 Dist 9033 10/21	To 15 Dist- (T) Gives inform 9/30
			15th Dist-(T)-Rqst immediate shipt of motor generator. 10/1. W.
OVER			To 15 Dist (T) Gives Status of shipmt 10/4
			To S&A Reqst shipmt of mat from Norf to 15 Dist 8920 10/5
			To 15 Dist- Reqst Inform 10/7
			Norf- (T) Generator not available. 10/7 W
			To Norf- Rel shipmt of generator 10/12
			Norf- Report on issues. 10/17 W.
			To S&A Reqst ship t of mat from Norf to 15 Dist 9032 10/21
589102	10/12	To Crocker-Wheeler Co	Sample sound motor generator- Specens rel W
596357	11/17	Crocker Wheeler Co.	Request interpretation of specification covering motor generator sets being manufd for Navy thru Wireless Impryt. Co. W.
			To Inspr mat NY (T) Desires test regulation of motor generator-- 11/18
			To-Crocker-Wheeler Co- Gives Action 11/19
597295	11/22	HC Co.	Change in motor generator from type SE 3610 to SE-3610-A- consisted of changing armature winding and commutator so as to secure better commutation. DY
597684	12/2	To CO (T) OHIO	Rel addnl tests crocker Wheeler- desires send engineer conduct own tests also- reqst OHIO afford all practicable assistance W

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N. Eng. 134

GENERATING SETS 1922

Number.	Date.	From or To—	Subject.
587878	FROM OVER		15th Dist- Ask when motor generator for SCIOTA will be shipt. 1/3 W. 30- N- 6 S&A- Copy action to Ham.Rds. 1/13 W To 15 Dist- Gives Action taken 1/14/22 Ham.Rds.- Copy action to S&A 1/17 W To Balboa Gives Inform 1/21
604887	1/18	To Annapolis	Ask if there is a 1,000 cycle motor generator set which can be spared from experimental work for use at Anacostia cc CO Anacostia D Sup.Sta. 1/27 W. To S&A Reqst shipmt of Motor Generator from Annapolis to CO Anacostia 9636 2/1 RB 8/24/22.W
607675	2/2	Koening Bros.	Ask if can purchase Crocker Wheeler generators at Navy Sup Depot. W. To Brock- Reqst inform rel generator cc S&A- Bd S&A 2/14 RB 5/8 W Fwd S&A 2/16
	card 82		
607497	2/4	To NY	Reqst inform rel 500 cycle motor generator W To Norf- Reqst Inform 2/4 Norf- One 5 KW motor generator on hand. 2/9 W To Norf NY- Gives correction 2/11 Norf- 2/21 -2KW Loweinstein trnsformer is available W
TO CARD 82			

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[OVER.]

GENERATING SETS 1921

Number.	Date.	From or To—	Subject.
557933	4/15	Crocker Wheeler Co.	Fwds print giving dimensions of terminal board for 2 KW set. W.
560870	4;16	GE Co	Submits quotation covering furnishing portable power plant.W To G E Co Ack receipt of specens 4/30
563079	5/10	J. B. Brady	Rqst drawings of water circulating pump and carbon rotating motor for arc transmitter W To J R Brady 5-14
30808	5/4	S&A	Request information relative to assign- ment or transfer of radio motor generator mfg. by Crocker Wheeler Co. for K&C Co. SW 629
563902	5/13	Diehl Mfg.Co.	Request specifications cov 20 KW motor generators: W. To 5-24
569183	6-14	To Washington	Design problem 156- tests of 2 kw 1100 cycle motor generator subm by Crocker Wheeler W Washn- Test reports- fwds. 9/12 W
572658	6/30	Internatl Device Co'	Ask If bureau has a standard Crocker wheeler motor generator set for sale. W. Fwd S&A- 7/6 To S M Kintner - Gives Action 7/6

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GENERATING SETS 1921

Number.	Date.	From or To—	Subject.	
572863	7-8	To S&A	Reqst shipmt of generator from Anacostia to Crocker Wheeler Co W 8046	
579587	7/26	Cdr.C. A.Dunn	Signal Corps has a 5KW Crocker Wheeler radio motor generator available at Ft. Mason for transfer without cost. W.	
580113	8/10	Crocker Wheeler Co.	Copy letter to S&A replacing rheostat for 2 KW motor generator shipt 7/23. W.	
582196	8/26	To SO Washn 8634 Annapolis W RB 9/8 W To S&A Reqst shpmt of motor gen from Washn to Annapolis 8718 W 9/2 To S&A Reqst shipmt of generator from Washn to NY 8719 W 9/2 RB 10/15 W. To Co- Reqst report on tests be furnished 12/1	Reqst shipmt of motor generator from Washn to	
	CO OHIO Subm report of retest 12/17 W. OHIO 12/27 W			
585655	9/17	To Crocker-Wheeler Co	Fwds Radio Report- W	
587759	9/28	Crocker Wheeler Co.	Have shipt back sample DC wind driven generator. W. To- Gives instrns 10/4	

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[OVER.]

GENERATING SETS 1920

Number.	Date.	From or To—	Subject.	
519478	FROM CARD 78		Crocker Wheeler Co. 11/4 W. Crocker Wheeler Co. 11/12 W. To Crocker Wheeler- - comments on method 11-17	
525026	10/18	San Diego	Fwds beneficial suggestions by C. T. Brier covering engine driven radio aircrft generator for communication in flight and on water; G	918
527830	11/5	Inspr GE (T)	Motor generators for TC battleships sets shipt to Washington. W. Inspr GE- Several motor generators at GE Co. 11/5 W	
39649	11/1	InsprFed	Method of installation of generator field switho fwds prints SW	629
530420	11-26	To Comdt Boston	Reqst verification of number of 5 kw motor generators in stock W RB 12/15 W To S&A reqst shipmt of radio motor gens from Boston to Balboa W 12/18 RB 3/28 W Shipt from Boston to M.Island 12/18	
533198	12/4 12/6	Service radio School Communications	Request wiring diagrams showing automatic starter applied to DC motors used on motor generator sets. W. To 12/8	

shipt from Bostn to Puget Sd 12/18
shipt from Boston to Cavite 12/17
shipt from Boston to PH 12/17 RB 4/11 W

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
534703	12/13	Wireless Spec. Apprs. Co. (T)	Ask if can purchase 5 KW radio motor generator from Navy. W. To Wireless Co 12/17	
538951	1/5	DeForest Co.	Request value placed on 12 type W tubes manufd by GE Co. Same destroyed by fire and Insurance Co is adjusting. W. fwd S&A 1-12	
530296	11/13	Mare Island	Fwds MI 11-27 RB- with recommendations as to amount of award to be made for design of radio motor generator 12/20	635-3
547982	2/21	Fairbanks Morse Co.	Fwds prints showing smaller generator set with pamphlet describing same. W.	
551459	3/14	Crocker Wheeler Co.	Fwds list of material in stock suitable for mfg of radio apprs for Navy. W. Fwd IM Norf 3/23 RB 4/8 W. To— Gives inform 4/15	
550873				
551984	3/21	To Crocker-Wheeler Co	Reqst Rep be familiar with design of machine Crocker Wheeler Co. 3/22 W. To— Reqst Rep be at Eng 9:30 3/31 3/26	
554443	3/29	Crocker Wheeler Co.	Request furhher inform rel to generators for Submarine signalling. W. To— 4/4 Crocker Wheeler Co. 4/5. W	

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[OVER.]

Number.	Date.	From or To—	Subject.
498895	6/10	Crocker Wheeler Co.	Request inquiry for radio generators on motor generators be sent to Baltimore Office. W. fwd S&A 6/28 cop CW Co
505056	6/29	Paul Ware	Ask if Bureau can assist in securing GE dynamotor for experimental work. W. To 7/15
507512	7/13	Mare Island	Request authority to loan 2 KW motor generator to Stanford University. W. To MI 6/30 reqst disapproved
512729	8/19	American R/R/Corpn	Request representative witness demonstration of 5 KW high voltage DC generator being manuf by Western Elec. Co. W.
513873	8/26	Bur Stand. Labr	High voltage DC generating system- subm by Mr. Dorsey of University of Manatoba; comments on. W.
512788 2	8-31	To Amer RR Corpn.,	Reqst copy of report of tests W ?? Will send test data / W.

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N.S.E. Form 134.

GENERATING SETS

Number.	Date.	From or To—	Subject.	
515254	9/2	Westinghouse Co.	Request specificat ions and opportunity to furnish motor generator sets for radio.	WR.
516977	9-13	Bu Standards	Ask if proper to make public Speaker system of 2-phase A.C. plate supply; W To Bur Standards. 9/15	
517383 TO CARD	9-14	SKF Industries	Asks size of ball bearing used in 5 k.w. motor generators; W	
519478 TO CARD 579	10-1	To Crocker Wheeler Crocker Wheeler Co.-Request further inform. 10/19 W. Crocker Wheeler Co.- Inform cov small alternator. 10/23 W.	Reqst info rel motor gen equipment W Crocker Wheeler Co.- Request interpretation of specifications. 10/8 W. To Crocker Wheeler Co- Gives inform 10-16 To Crocker Wheeler Co 10/30	
521510	10-9	To Co Anacostia	Design problem 115- specifications for air driven generator suitable for use with the type SE 1370 airc radio equipment W Anacostia; fwds specification for air driven generators; 10-27;	
521763	9/27	Ord Salvage Board	Gives reasons why were not able to supply generator. W.	
522478	10/11	Ward Leonard Co.	Fwds print showing rehostat for motor generators supplied various wireless contractors during war. W.	
524518	10/19	Bd Survey ed Dist	Ask if will accept offer of $700 cov sale of motor generator and spare armature ex-NORTH DAKOTA. W. 705 fwd S&A 11/16	

GENERATING SETS

Number.	Date.	From or To—	Subject.	
477555	2/10 2/20	Pacent Elec Co. Fleet Sup Base	Ask if can purchase motor generators listed at Fleet Sup Base. fwd S&A 2/27	W.
477631	2/20	DeForest Co.	Special motor generator set for radio telephone using tupe U power tubes; ask if can use.	W.
407461	From card 70		To Inspr Squantum- disposition of excess material. 3/11 copy SO Boston	
483251	3/22	American R/R/Corpn	Fwds specifications and photos of high voltage DC generator recently developed. 3/22	

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N.S.E. Form 134.

GENERATING SETS:

Number.	Date.	From or To—	Subject.	
484256	3-30	To Comdt Washn	Fwds copy of "Instructions for inspection of electric motors". W RB 4/16 W.	
490173	4/27	Fed. Tele. Co.	Request report covering test of sample 2KW motor generator set manufactured by Diehl Mfg Co.	W.
492019	5/6	C&R	Copy of letter to NY stating CO MALLARD will turn in at NY motor generator equipment recd from Bu. of Standards - W	
492067	5-8	To Crocker Wheeler Co	Asks estimate be fwded radio motor gen set for operation from 60 cycle 110 or 220 volt AC supply. W Crocker Wheeler Co.- 5/11 W To C.W. acknowr ecpt 5/14	
492976	5/10	Deslauriers Column Mould Co.	Rqst copies of reports on test of constant speed fans for driving radio generator. W see 494182-918-W	
496066	5/25	American R/R/Corpn	Subm report on increased price of high voltage generators.	W
498488	6-10	To S&A	Reqst shipmt from Anacostia to Bur Stds radio appr. generator. W RB 6/18 W.	

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
453374	10;22	Crocker Wheeler Co	Sub information re nec increase in prices of 2 kw motor gen for use with radio arc set. W	
20615	10/24	15th Dist.	Subm report of synchronous impedence test of 5 KW generator at Colon. W	629
457806	11/12	Boston	Radio motor generators in stock at Yard; fwds change of material sheets covering. W.	
458450	11/17	Cutting & Washington	Ask if Bur has 15 KW Navy Standard motor generator for sale. W. To Cutting & Washington- 2 kw radio generators will probably be purchased by Ship Bd. 5 KW motor gen are for replacements on naval vessels 11/28	
460154	11-26	A H Grive (T)	Asks if will dispose of motor generators at Fleet Supply Base. To A.H.Grive (T) no rive kw for sale have excess stock of 2 kw gen 11/28	W
461753	12/5	K&C Co.	Request complete information rel to DC motor generator developed for use with vacuum tube transmitter. W. K & C Co - 12/12	

To - Generator of type listed not be given particular attention for development at this time. ~~[illegible]~~ 12-15

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
465113	12/12 12/23	E. J. Simon Washington	Ask if have any surplus motor generator sets for sale. Fwd S&A. 1-12	W.
465068	12-27	To S&A	Reqt shipment radio dynamotor from Anacostia to Wash. W	
466572	1-3	To S.O. Phila	Engine driven generator units available for Radio Stations at Phila. W Phila. 1/10 To (T)-Reqts supply officer expedite statement reqted. 1-14 Phila- T- Statement fwded 1/10 1/15 Phila- Spare parts for generator sets ordered from manufacturer. 1/10	
468996	1/13	American R/R/Corpn.	1/2 KW generator being shipt to radio test shop for inspection and test. American R&R Corpn-1:28	W.
469442	1-16	To Wash	Radio Tel. Design problem No.71 and Class C Sources of power supply under high D.C. voltage-Testing of Am. R.& R. Corp 5000 volt generator. W Washington- Fwds report on high voltage generator subm by American R/R/Corpn. 7/17 W To Western Elec Co-reqst verification of understanding-in re purchase of tubes 1/7/21	
47788	2/6	To SO Brook	Spares for Fairbanks Morse engine gen have not yet reaced Canal Zone WS	629

Western Elec. Co. 1/8/21 W.
To Western Elec Co 1-11-21
Western Elec. Co. recommends vacuum tube be furn unbased. 1/28 W. 898

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GENERATING SETS:

1919

Number.	Date.	From or To—	Subject.	
438006	8;5	Hyatt Roller Bearing Co	Sub infor re test being conducted on roller for use with motor gen sets for wireless equip. W	
430003	8/4	MI	Contract for portable gasoline gen set for searchlight, asks number of which will be shipped and invoice to MI.	708
48056	8/14	Wireless Imprvt Co/	Copy of letter to Test Shop, Washington, advising of shipt of sample Crocker Wheeler motor, for use with buzzer transmitters. W.	629
440148	8/15	University Wis.	Asks if possible to purchase two 2kw motor gen for use with radio tel sets.	707
443918	9/4	CO Radio	Rotary converter, Austian type- states have turned into Ports Yd- suggests insp. as it may be of interest and value to Bu. W	96-Q-6
46858	8/8	Washington	Arc motor generators- reports on- recommends changes in method of rating sets.	629
45920	9-15	New York	Holtzer Cabot Co 1/2 KW motor generator; reports on test	629

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N.S.E. Form 134.

GENERATING SETS

Number.	Date.	From or To—	Subject.
446804	9/23	To S&A	Reqst shipt from Fleet Base to Boston radio apparatus for stock W Fleet Sup Base 9;29
446805	9/23	To S&A	Reqst shipt from Fleet Base to Phila radio apparatus for stock W; RB 9-16; W Fleet Sup Base 9;29
446806	9/23	To S&A	Reqst shipt from Fleet Base to Norfolk radio app for stock W RB 10;17 Fleet Sup Base 9;29
446807	9/23	To S&A	Reqst shipt from Fleet Base to Charleston radio apparatus for stock W Fleet Sup Base 9;29
446808	9/23	To S&A	Reqst shipt from Fleet Base to New Orleans radio apparatus for stock W RB 12/8 Fleet Sup Base 9;29
446810	9/23	To S&A	Reqst shipt from Fleet Base to Mare Island radio app for stock W Fleet Sup Base 9;29
446812	9/23	To S&A	Reqst shipt from Fleet Base to Puget Sound radio app for stock W RB 2/14 Fleet Sup Base 9;27
446815	9/23	To IM NY	Advises has issued instructions re shipt of radio matrl to various yards for disp Assigns listed items to NY for stock W
452079	10;16	Crocker Wheeler Co	Fwds assembly drawings of motor gen set.

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
428309	6;24	Wash	Sub report on test of 5kw arc motor gen.	
429020	6;26	Crocker Wheeler Co	Reqst ascertain from Ward Leonard Co when final test and delivery of rheostats will be made. W To CW Co cc to Fed Co- instruc issued by Fed Co should be followd, in conn with contr for equipment 7/3	
428998	6/30	To Comdt Mare Island	Reqst correction discrepancies noted in radio stock system as reported to Bureau forms 307- and 307-E W	
429528	6;30	Crocker Wheeler Co	Reqst gov bills of lading cov return of 5 Kw machine. To CW Co- Inspr Brook has been directed to take action have mach fwd to Norf 7/3	W
425819	6/26	To K& C Co	Reply letr 6/16, cannot use commutator pullers mfg for CW machines, should ref to CW Co W	
429774	None	Bu Stand	Report of test of gen set sub to Bu. To Washn- fwds copy of report covering test of gen 331884- 7/3	W

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GENERATING SETS.

Number.	Date.	From or To—	Subject.	
432456	7/8	Mare Is.	Request vandykes of KC motor generator be furnished; W.	634
433563	7;17	Crocker Wheeler Co	Comments on mod of spec coy 20 kw arc sets To C W Co- does not contemplate purc 7/25 fwd Wash 7/28 RB 8;26 To---It is considered specfns have been misinterpretated- Calls attention to certain paragraph on sheet 36A explaining- 8/27	W
438019	7;18	New Brunswick	Alexanderson speed reg detail report on.	W

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Number.	Date.	From or To—	Subject.	
Wash951	6/2	To Inspr GE (T(	Bu 10228 test data and machine ratings based on Company tests will be acceptable. W	629
6 424610	6;10	Inspr Brook	Spec for low power arc radio, motor gen for shipmt, reqst decision as to whether rheostats should be 15 or 25 step. W To Inspr Brook- Tel 6-12 To Inspr Brook- ref covers gen requirements of field rheostats tetc 6-13	
39649	5/19 6/3	San Diego Sta. Mare Island.	Motor generator and accessories redd. W&S	629
42735	6/7	To Inspr Brook.	Gas. engine gen sets- States if Copely Mfg Co will not agree to addtl test, desires sets be rejected on any point of non-compliance with specifications or delivery dates. L-S.	629
33014	6/13	To Marconi Co.	Bur taking up with S&A matter of payment under contr and action in regard to contr cov remodeled sets being taken. Will advise status of supplementary contr in few days. W-S.	629
1269	6/9 6/12	Insor GE Great Lakes	Ask if factory inspection desired on motor generator sets. S.	629

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N.S.E. Form 134.

GENERATING SETS 1919

Number.	Date.	From or To—	Subject.	
425715	6/11	Inspr Fed	Report on material shipped cov motor gen sets. W.	830
426667	6;18	Holyoke Cabot H C Co	Fwds instruc book for 1 1/4 kw radio motor gen set.	
427317	6;20	Crocker Wheeler Co	Reqst further infor in con with spec for motor gen set. To C W Co- specfns apply to lot of 450 motors 6/25 Crocker Wheeler Co 6;26	W
427305	6;19	Crocker Wheeler Co	Sub infor re shafts for 2 kw machine on which work is being held up, fwds sketch reqst approval, &c. fwd Washn 6/26 RB 7;7 ~~HI~~ Crocker Wheeler Co-Reqst action 6;28 fwd Washn 7/1 Crocker Wheeler Co- 7;8	W
427377	6;19	Ward Leonard Co	Reqst Bu make arrangements to inspec 190 rheostats which have been ready for shipmt for two months.	W
427967	6;23	Crocker Wheeler Co	Req rec from Fleet Sup Base for spare armature shaft, need to have further infor. W To- advised Yards reqst refer more in detail to name plate data of dynamo electric equip when reqstg spare parts or renewals 6/26 To NY fwds copy of letr 6/26	

To Inspr Brook- auth pass inspec mach so far as variation of length of armature shaft concerned 7/14

To (T)-Inspr Brook notified as to action reference shaft lengths two KW sets. 7-15

[OVER.]

Number.	Date.	From or To—	Subject.	
46693	5/14	Cleve.	Matthews Engrg. Co. have not placed order with G. E. Co. Rqst substitution of generators. manufd by Imperial Elec. Co. L.	629
42141	5/16	To Inspr Brook.	Submits list of authorized modifications cov 2 KW arc radio motor generators, Crocker Wheeler Co. W-S.	629
918	6-5	To Inspr Brook	Info how info was obtained that repiars necessitate were due to negligence of one of emp,oyees of Crocker Wheeler Co W	629
420621	5-23	Crocker-Wheeler (T)	Rqst specfns for testing regulators on 2 KW arc generators - W To Inspr Brook- fwds specfns 5-28 To C W Co fwds specf 5-28	
422028	5;29	Inspr Brook	Recs reject all 2 kw radio motor generators with end play over 1/64"	W
422412	5;31	Adv Base	Fuel consumption and reg test on 6 1/2 kw stand adv base gen set, report cov. To NY- fwds copy of report of Copely Gas Engine Unit 6/27	W
	NY-Will test report on Sterling Gas engine. 7;17			
36919	5/23 6/2	N.Y. S&A	Generator sets for Key West and Brunswick delivered and rejected; not in accordance with specifications. L.	629
422925	6;2	Robbins & Meyer Co	Reqst fwd prints cov 1/4 hp DC motor for buzzer set. To R & Myers Co- fwds prints 6-10	W

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N.S.E. Form 134.

GENERATING SETS

Number.	Date.	From or To—	Subject.	
422882	6;2	Robbins & Meyer Co	Spec cov motor gen set, reqst interpretation of clause co heating	W
422502	6-4 To C W Co- does not desire to purchase compl line of motor gen frames etc. 6/25	To Inspr Brook	Asks opinion if Dept should purchase motor generator frames as specified, Crocker Wheeler Co. To C W Co-calls atten to specfns 6-10	
37617	6-3	To Inspr Busch Sulzer	Reqst ascertain from Wagner Elec Co reason for delay shipment of motor gen sets req be expedited W S	629
42141	5-31	To Inspr Brook	Confirms telephone conversation rel to specfns for 2 kw arc radio motor gen being modified W S	629
423088	6-5	To Fed Co	Fwds two copies of specfns. covering requirements for motor generator for low power arc trans. W	
423090	6-5	To Inspr Brook	Fwds two copies of specfns. W	
423091	6-5	To Crocker W Co	Fwds two copies of specfns W Crocker Wheeler Co 6;6	
44379	6-3	Inspr Westinghouse	50 kw motor gen sets for various Yards reports on test covering S	629

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GENERATING STS 1919 71

Number.	Date.	From or To—	Subject.	
443794437	4/26	Inspt Westinghouse	Recommends requisition be drawn up, covering expense of addtl test of motor generating sets. L&S.	629
388903	From Card 66		To Norf-Fwds spec. 4;29 To H C Co-Fwds blue prints copy of spec. 4;29 To Diehl Mfg Co - Fwds blue prints copy of spec. 4;29 To Crocker Wheeler Co-Fwds final issue of spec. 5;3 To Fed Tel Co- fwds cy of ltter from CW Co 5-26 To Fed Co- cc to C W Co-asks re action taken 6/25	
42141	4/29	To Crocker Wheeler Co.	Advises have, fwded specifications to inspector, and believes will permit acceptance of motor generator sets, without further modification. W.	629
415462	5;3	TO S&A	Reqst shipment from NY to New Hampshire of radio storage bat.	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
416327	4;24	Crocker Wheeler Co	Motor gen set being mfg ~~by~~ for Fed Tel Co. reqst inspec be instruc to pass same.	W
416521	5;6	Wash	Reqst authority to fwd to Bu Stand one 5 kw Crocker Wheeler gen set, for insulation test.	W
	test. 5-12	Bu of Stand- 5;12	To Washn- reqst deliver generator to Bureau Stds for test 5-9	
415874	5-6	To Washn Yd.	To Bu Stds- machine will be del to Bu Std for Fwds two copies of specifications covering requirements of std navy 2 KW arc radio motor generators. type CB 1438- W To Comdt Washn- fwds 2 copies of spec 6-5	
45481	5/1	Inspr Chic	Rel to expenditing shipt of motor generators to Air stations. L.	629
416949	5;8	Crocker Wheeler	Bunker will be in Wash on 9th re spec for 2 kw arc gen. T	W
46693	5/12	To Inspr Cleve.	Rqst report as to whether production of gen set being delayed on acct of inability to secure generators. Rqst genrl comment on material manuf by Elec. Co. L.	629
42141	5/13	N.Y.	Recommends no rotating elements of 2 KW arc motor generating having armature cores fastened to shaft be friction only, be placed into service. Same should be supplied with keyed core lamination. W.	629

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N.S.E. Form 134.

GENERATING STS

1918

Number.	Date.	From or To—	Subject.	
406694	4-1	To S&A	Reqst shipment from S Brooklyn to Washn one Telefunken radio motor gen set-	
407926	4;2	Crocker Wheeler Co	Asks if test of 2 and 5 kw motor gen set at Washington Yrd has been completed	W
407583	4;1	Crocker Wheeler Co	Fwds letter from A Detz & Bros, req quotations on motor generators. To- asks addtl info 4-11	W
407461 SEE 77	4-4	To Inspr Squantum Crocker Wheelr Co-Sub rep on exam of direct gen. W 5;15 To Inspr Squantum- asks info bw fwded in order reqn may be prep 6-4 To C W Co- reqst no furher action be taken until further advices by SE 6-4 Crocker Wheeler Co 6;5 Inspr Squantum 6;10 To Crocker-Wheeler Co-Directs ship machine to Norf Yd to be salvaged- 6/17 To Norf-reqst info disp of gen 7/3 Inspr Squantum 3/3-Rqst disposition of spare armature and boxes	Author return of defective apparatus C. Wheeler C o will be reqstd to investigate same W To S&A req shipment from Squantum to C. W. Co, Ampere radio motor gen 4-5 To S&A req shipment from Norf to Squantum radio motor gen 4-5 RB 5;7 ToCW Co- gives extract from report defects 4-11 Norf-Sub report on Crocker Wheeler generator. 8;8 W Crocker Wheeler Co-States will sub report on gen as soon as machine is rec. W 4;15 To CW Co- has no further info re 5-6 To S&A req ship from NY to Norf one 5 kw radio motor generator 6/27 rec back 8;5	

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Number.	Date.	From or To—	Subject.	
411372	4;15	American RR Corp	Req additional information in con with devel high voltage DC temperature in operation in connection with vacuum tube. American RR Corp-Fwds report of test on high voltage D C ~~engine~~ generator. 4;22 To American Radio R Co-Acklgs let 22nd.	W 2;28
42141	4/16	To Inspr Brook	Criticism of method of retaining armatures cores on 2 KW motor generators, Crocker Wheeler Co. W.	629
634	4/17	To GE Co.	Gives extract of report from Cavite on operations of GM-52 oil generating sets. for comment. W/	629
411375	4-18	To American R & R Co.	Problem of high potential power to place of vacuum tubes will be discussed at conference April 21st, asks send rep. W ~~Fed Tel Co 4;21~~ American RR Corp-4;21	
35838	4-17	To Inspr Brook	From results shown by test the gen meeting specfns and may be shipt completed 40 gen should be shipt to N av Air Stations L	629
36919	4-18	Y&D	Asks why shipment of gas engine gen sets been del DA	629
44379	4-18	To Inspr Westinghouse	Test re method to make it possible for mfg to cut off shafts of motor gen sets before assembling etc.	629
35703	4/23	To S&A	400 KW turbo gen sets- Rqst shpt instrns be issued, for shpt to NY gbt. bill of lading. L.	629

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
402628	3;14 To Inspr motor gen	Inspr Brook Brook- satus if 4 addtl frams repaired 5-26	Fwds let from Inspr Crocker Wheeler stat cont req authority to trim frames of 2 kw motor. To Brooklyn 3-19re frames - W To C W Co- assignmeny type no made 3-21 Crocker Wheeler - 3;24 Inspr Brook - 5;8 Inspr Brook 5;19	
36886	3/15	Phila	Ask what constututes complete sets for spare parts for, portable generating sets W	629
403416	3-19	To Crocker Wheeler Co	Requ subm certified inv cov amt of ret transportation costs in conn w 1/2 KW motor gener-	
404453	3;20	Y&D	Cont with Bu to Gasoline Motor Co, driven gen sets for storage bat, same available for use in this country.	W
404526	3;21	Crocker Wheeler Co-	Fwds photoes of 3 Stand Navy Type radio motor mch. Crocker Wheeler Co-4;14 To CW Co- further comments reqstd rel to modifications 5-6	W
405255	3;24	Crocker Wheeler Co	Req copy of spec cov 2 kw motor gen for To C W Co- will fwd specfn later 4-5	Fed CO W

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
396493	3-24	To Crocker-Wheeler Co	Acknow receipt of letter of 2-18, and drawings, consideration of, being given-	
406101	3;27	CrockerWheeler Co	Reports rec req from Beth S B Corp for describ motors of radio gen, and req instruc rel to giving out this infor.	W
			To Beth Co- reqst info rel to n ed of data	5-7
			Beth SB Corp- 5;10	
			To Beth S B Co- fwds instruc	W
405749	3-28	To Chief Sig Off War Department	Asks results of tests, generator built by American R & R Co-	
			War Dept-Sub report. 3;29	W
			To War Dept- asks fwd reports	4-11
			War Dept-Are fwd report of test, req be returned as they are file copies.	W 4;15
			Sig Corps-Generator not avail for test.	5;10
			To War Dept- confirms return to Capt Hill reports loaned 5-20	
407302	3;31	Crocker Wheeler Co	Req set of spec on test of 2 kw arc type transm.	W
407461	3;27	Inspr Squanton	3 kw motor gen on destroyers 263, reports on damage to.	W

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
397278	2;21	Copely Mfg Co	Asks if Bu will order any generators, elec starters, etc. have sup on hand. To Copely Mfg Co. 3-15	W
397618	2-26	To Crocket Wheeler Co	Reqst fwds curves for assistance in determinination of suirable motor field rheostat to be used in conn w std Navy 1/2 KW transmitter under development- To Crocker W Co- reqst tabulated listed be fwded re above- 3-25 Crocker Wheeler Co-Fwds prints of curves. W 4;3	
397622	2-26	To Dubiler Cond Co	Confirms phone conversation- fwds copy of drawing RE 21F 104E showing physical dimensions of tebminal board and cover and proposed mounting arrangement for type CD 1448 protective device- reqst modifications Dublier Cond Co- Fwds vandykes of prod device 3;14	
397892	2-27	To Copely Mfg Co	Reqst if have special test advise inspr of engr who will witness same and report does not consider advis to change specfns of machine to allow greater speed than 1000 R. P. M. Copely Mfg Co-Marines at Ph-Rejection of 6 1/2 KW set. W 2;17	
397910	2-28	To Westinghouse Co	Confirms conference with Mr Adams and Mr Pierce- reqst fwd instruments to Phila for test- To Westinghouse Co- advises report will be sub- asks adtl instru fwd to Bu Stds 3-5 To NY- reqst tests 3-5 To Phila- reqst tests 3-5 NY-Asks status of ammeter 5;28	

To Westinghouse Co- asks status of instruments 6-3
Westinghouse 6/14 Cannot ship before July 29th. W To NY- del cannot be expected uhtil prior 8/1 6-19
NY 6;24

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Number.	Date.	From or To—	Subject.	
398140	2;25	American RR Corp	Fwds prints showing high voltage being devel. To American Radio and Re Co-r asks be kept informed of re of tests of high voltage machine re std on high power tubes- 3-22	
398586	2;27	H C Co	Fwds prints of 1 1/4 kw radio motor gen set.	W
395455	2/8	MI	Asks if transfr and motor generator shall be shippes to NY for test To MI requst appr be held penging diap by	876 Bu 2/26
401647	3;11	Crocker Wheeler Co	Req order cov repairs to radio motor gen sup to Deforrest Co. To CW Co- reqst render bill 3-26	W
402320	3;13	Crocker Wheeler Co	Gen sets for Shore Storage Bat of 1/2 kw, recs that this size be scrapped and 1 kw or 1 1/2 kw destruct.	W

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
390119	1;29	Crocker Wheeler Co	Fwds drawings showing changes in terminal Brd for radio motor generators.	W
388903	1-30	To Firms	Fwds minutes conference Bu Jan 17th specfications for arc motor generators Deahl Mfg Co - 2;11 Deahl Mfg Co-Sub comments on spec. 4;19 H. C. Co- Submits suggestions. 4;22 H. C. Co 5;9 To C W Co- comments reqst arrangement 5-15	W
390072	1-31	To S&A	Reqts' shipmt from NY to DeForest Radio Co 1 2-KW radio motor generator	W
391070	2;1	Crocker Wheeler Co	Points on 2 kw radio ar generator set, req same be cleared up as soon as possible.	W
391692	None	Sterling Engine Co	Req infor as to how to go about securing orders for engines and generators for radio work. To---Suggest communicate with companies who have manfd such apparatus for Dept- 2-10	W
392138	2;5	Standard Gas Engine Co	Asks if bureau interest in three searchlight 110 hp, stationery engine used in Alaskan radio work. To---Spfns re above will be prepared by Comdt 12th Dist. Your ltr refd for attention 2-10 Fwd Com dt 12th Dist 2-10 Bu Stand-Fwds report. 2;26	W

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Number.	Date.	From or To—	Subject.	
394605	2-14	To Crocker Wheeler Co.	Bur ack 2 drawings of high voltage motor generator set - W	
345487	FROM CARD 56		To 6th Dist- Re radio app shipt Chasn in error- Rqst locate and expedite return to owners- 2/18 To S&A- reqst CW Co be reimbursed for trp charge of $9.45 3-28 Crocker Wheeler Co 5/12 Rqst payment of invoice To C W Co- rel to payment to be made 5-22 Crocker Wheeler Co 5/23- Fwds bills fwd S&A 5-31 RB 7;1 fwd S&A 7/3 RB 7;15 S&A-Fwds letter from Crocker Wheeler Co enclosing freight bills, asks if shall be paid. 7;14 fwd S&a 7/18 S&A-Reqst contract number Crocker Wheeler Co-Fwds corrected invoice. 7;30	
396609	2;19	H C Co	Fwds instruc books for one and two kw motor generator set.	
396853	2;20	Crocker Wheeler Co	Req return of 2 arc type generators at Wash frd for Test. To Washn- reqst data be fwd 4-9 To CW Co. re return of machine 4-9	W
396855	2;20	Crocker Wheeler Co	Req return of motors and generators, and decometers to various yrds. Cross to 918 To Crocker Wheeler Co. 3-15 Submits info re shipt of mat4rial.	
396493 see card 69				

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GENERATING SETS:

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Number.	Date.	From or To—	Subject.	
383336	1;7	Crocker Wheeler Co	Fwds copy of name plate to be used on Fed Co generator. W To----- Above are approved 1-13	
384327	1;8	Crocker Wheeler Co	Criticizes terminal brds covers of Electros Mfg Co and req infor regarding bureau's prints cov method of mounting devices, terminal brd and covers. W Cross to Switchboard. To Crocker-Wheeler Co- Reqts they comm with Electrose Manf Co re above alteration 1-13 To Elec Manf Co In re above 1-14	
384754	1-14	To Electrose Mfg Co	- Fwds latest revision of terminal board and cover	W
384755	1-14	To Crocker-Wheeler	Fwds latest revision of terminal board Crocker Wheeler Co-Copy of let to Electros Mfg Co asking if will make changes listed. 1;18 To--- Fwds copies of revised bprints 2-1	W
384766	1-15	To Inspr Phila	RE modification in installn of radio transmitters type SE 1100 on flying boats H-16-F-5	W
386415	1;16	Phila	Conf tel conv in con with status test 5 kw arc generator. W	
384992	1;17	Inspr Erie	Copy of letter to Erie Forge Co req infor.	

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GENERATING SETS:

Number.	Date.	From or To—	Subject.
387954	1;22	Crocker Wheeler Co	Manhattan Elec Sup Co, motor generator for radio purposes, ask if sat. To—— No objection to above 1-31
388187	1;23	Crocker Wheeler Co	Relative to 2 kw sets spec, req copy of minutes of meetings. W
386946	1;25	Inspr Bath	Submits tables.
389595	1;28	Crocker Wheeler Co	Req infor in con with protective device provided by Dublier Cond Co for generators. W
388918	1-28	To Federal Telegraph Co - Fwds copy of let to Crocker Wheeler approving 2 KW arc type motor generator W	
		Crocker Wheeler Co - Req comp rep of meter taken. 2;14	Fed Tel Co - 2;4 Wash Ird-Fwds prints 4;14
To CW Co- 388903		To Crocker Wheeler- Fwds 2/19 fwds copy of rept 4-9 To Washm-	To Crocker-Wheeler Co- Above generator approved for use in Naval service- 2/11
	1-29	To Norf- asks print	4-9 Fwd copy of minutes of conference held SE
To C W Co- fwds coy of spec 4-11			1-17 th Phase for arc motor generators for for standard Navy arc transmitters W
To Card #71		Crocker Wheeler Co-4;14	C. H. CO - 2;19
		Norf-Submits comments req. 4;17	To Fed Co- fwds coy of spec 4-10
		Inspr Brooklyn-Fwds let from Crocker Wheeler Co-comments on preliminary spec. 4;19	To Norf- fwds specfs 4-10 To HC Co- fwd spec 4-10
		Crocker Wheeler-Reqst conf in con with spec. 4;28 W	To Inspr Brook fwd spec 4-10

GENERATING SET:

Number.	Date.	From or To—	Subject.
380239	12;24	Crocker Wheeler Co	Req advise Washington Yard in con with 2 low arc set at lab. To- ------ machine now under test -will advise 12-30
380237	12;24	Crocker Wheeler Co	Asks where motor generator sets on cont with Fed Co should be shipped when completed.
380255	12;26	Sayville 9v0-8	Asks if bureau desires new fence removed from around transr house. W Tel
380319	12;27	Crocker Wheeler Co	Req authority to change screws for hold-down terminal board cbv. owing to dif of drilling steel frames. W screws for holding down terminal board-Wire if change cnnot be incorporated in mould 12-30 To C-Wheeler (T) Auth Granted to alter screws 12-30
381106	12;28	Copely Mfg Co	Electros Mfg Co-Will fwd sample mold to Crocker Wheeler Co. 12;31 Iberlectorse Manf Co- (T) C-Wheeler auth to change Fwds photoes and prints of radio power unit mounted with Henderson engine and Crocker Wheeler generator, can make delivery in 60 days.

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GENERATING SET:

Number.	Date.	From or To—	Subject.
381273	12;28	Crocker Wheeler Co	Req infor bureau's approval 2 kw arc generator be tested, Fed Tel Co order being held up awaiting receipt of rep. W To --- (T) Two DUS arc type machine approved. No further alterations required 12-31
8 378029	12-30	To Federal Telegraph	- Ack receipt of their let 12-20- Has marked drawings required by Navy Dept-switchboard and wiring diagram of 50 KW Shore station arc equipmt 12-30
382314	1;2	Phila	Conf tel conv relative to test motor generators.
382175	1-4	To Corocker-Wheeler Co-	- Reqts that their rep be present on Jan 17th to draw up specifications for standard Navy radio motor generators for use with arc transmitters W Crocker Wheeler Co-Make appointment for 1;17 H C Co - 1;9
382700	12;14	Phila	Conf tel conv relative to experience in arc generator. W

GENERATING SETS:

Number.	Date.	From or To—	Subject.	
372732	11;26	Crocker Wheeler Co	Asks if company authorized to fwd prices cov motor generator sets. To-Reply to above 12/3	
372611	12;4	Crocker Wheeler Co	Terminal board and cover for 2 kw generators, asks if shall order material direct from supplier.	W
375415	12-9 Phila-Fwds spec report on protective device. W 7;2	To Dubilier Condenser Co-	Fwds drawing of latest type radio protective device for protecting 2 KW arc radio motor generator To Phila- Fwds above and asks that sample be tested and recs made 12-9 Dublier Cond Co-Fwds vandykes, 12;12 To Phila- instruc re spec 6/24 Ph-Test of sample protective device, rep cov. 7;1	W
376641	12-13	To Crocker-Wheeler Co	Gives direction re securing of name plates on 2 K.W. motor generators for radio transmitters	W
378273	12;16	Electros Mfg Co	Moulds to be mfg Crocker Wheeler Co, asks instruc relative to charges.	W
379163	12;23	Dublier Co	Req fwd req cov sets.	
375034	1/7	To Puget Sd		

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GENRATING SETS:

Number.	Date.	From or To—	Subject.	
378174	12;16	Crocker Wheeler Co	Two kw generator returned to factory for changes, has been returned to Wash yard and req bureau examine. W To Wash- Asks that above be tested for final approval 12-21 Washington Yrd-Fwds curves.	W
378029	12/18	To Fed T e l Co.	In re to motor generator and equipment of arv transmitter being purchased for installn at Norf. W	
378507	12;17	Crocker Wheeler Co	Fwds diagram cov 2 kw generators shipped to NY for test.	
40339	12/18	To Inspr Seattle. (T)	Kilbourne & Clark contr. Holtzer-Cabbot Motor generators type CAJ 600 acceptable for type CB 225 specified.	629
379994	12;23	Crocker Wheeler Co	Fwds prints of 2 kw arc motor generator sets. To Crocker Wheeler Co 1/7 Rec ltr of 12/23 Bu req opinion of Co as adaptability of modif ications.	
379662	12-24	To Hamp Rds-	RE modification of dynamotor type CG1200 slow in attaining normal speed on starting W Hampton Roads - Report of test. 12;31 To GE- Above changes should be ~~XXXX~~ embodied as soon as possible 1-15 To Hamp Rds- Fwds bprints 1-15	

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GENERATING SETS:

Number.	Date.	From or To—	Subject.
369278	11;15	G E Co	Will sub lug terminal in place of socket in accordance with sketch enclosed.
369554	11;16	Crocker Wheeler Co	Req that 2 kw motor generators being ret for repairs be traced. W
369896	11;16	Crocker Wheeler Co	Sub infor in change being made in 2 kw motor generator for use with Poulson Arc system. W
370141	11;18	Crocker Wheeler Co CANCELED	Asks if sat to quote price on 1/4 and 1/2 kw motor generator set to NY military Academy.

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
370060	11-20	To GE	Reqts that dynamotors be provided with terminal blocks as per bprint GE Co-Fwds prints showing terminal blocks.	W 11;23
368675	11/16	To Firms Listed.	Re designs for radio transmitting apparatus ing special form of dynamotor, em ploying three separate armature windings as listed. W	898
371220	11;20	West E & M Co	Sub quotations on induction motors 10 hp	W
370833	11;23	Crocker Wheeler Co	Asks if any objection to sub quotations J L Nottingham cov radio apparatus. To--,has no objection to quoting parties,	11-29
371841	11;22	Crocker Wheeler Co	Asks if any objection to sub bid on motor generators for wireless use to David Leiter To--,has no objection to quoting parties,	11-29
337427	11/20	To NY	Shipping reqts made out to cover delry destinations as listed- Gas engine generating units to radio compass stations. W.	823

GENERATING SETS

Number.	Date.	From or To—	Subject.	
3637 01	10-31	To Federal Telegraph Co- applies to entire lot of 300 motor generators supplied on contr 42141 1/16	Lists alterations necessary to 2 KW arc motor generator set CB-1439 at Wash S&A: Fwd for info in connection with contract 42141 1/4 To Fed Tel Coaddtl charge of $90.00 per motor generato	W
364219	11-2	To Firms & Yds	Modification in design of standard Navy 5 KW 500 cycle alternators of Crocker-Wheeler design has increased the synchronous impedance approximately 8%	W
365094	11;1	Inspr Brooklyn	Fwds copy of letter from Crocker Wheeler Co giving infor as to how soon can turn out 300 generators with priority. W To Inspr Brook- Gives authorized modifications in design of aircraft radio generators 11-20 Crocker Wheeler Co 11;25 To Crocker-Wheeler Co. Replying to let. of 11/25. 12/5	
365556	11;2	Crocker Wheeler Co	Req fwd tracings after 2 kw generator test at Washington Yard and return to company. W To--gen set in question located at Wash 11-8	
367424	11;6	Inspr Brooklyn	Fwds let from Marconi Co sub report on test of gas engine driven meters. W	
382175	1/4	To Holtzer Cabot Co. To Norfolk Va. Reqts that rep be present at test and bring data for drawing up of specifications 1-4	Req representative be present at conference 1/17 with data pertinent to specifications for standard Navy Radio motor genrators for use with arc transmitters 1/4	

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Number.	Date.	From or To—	Subject.	
367401	11;8	Fairbanks Mores Co	Sub infor restatus of various contracts listed on which company is behind. To---- Reqts. descript. matter for pumps under contracts listed. 12/5 Fairbanks Marsh Co--Fwds catalogues and instruc books. 12;6	
			Has minds of [illegible] Prof Peabody	
367963	11;9	Crocker Wheeler Co	Reg permission for Mr Ga Williamson to visit Annapolis Radio station in con with motor generator set to be used with high power radio set. W	
364550	10/30	Inspr Brooklyn	Report has not been made on test of gasoline generator set. W.	918

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
362339	10;25	Crumble Elec Co	Req shipment K C order, 29th Tel	
362338	10;23	Robbins & Meyer Co	Tel-Will have complete motor test 11;1 for K C Co, 15 will be shipped by express balance by freight.	
362567	10;26	Driver Harris Co	K C order shipped 26th. W Driver Harris Co-Material shipped 10;26	
362573	10;26	Elec Cont Co	Will express 50 hand starters on KC order 11;20	T

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
362574	10;26	Elec Cont Co	Will express 50 starters with spares on K C order 11;20 W	
361611	10;22	Hart & Hegeman Mfg Co	Asks when will be ready to run test on 15 kw arc generators now at Wash yard. W To Crock-Wheeler Co - 5 KW arc motor generator submitted for test at Wash will be tested beginning Monday 10-28th 10-28	
363443	10;11	Crocker Wheeler Co	Proper lines covering diomotor sent to Norfolk for test, req ~~to~~ return of. To ---- Retns copies of reports on sample dynamotor type 1/2 DUSR 10-30	
363626	10;28	Copley Mfg Co	Have 6 Crocker Wheeler generator sets left over, can make quick deliv of 1/2 kw units. W To ----- Give above info to various radio contractors 11-4	
364600	11;1	Inspr Brooklyn	Req award cont to Crocker Wheeler Co, sat arrangements made. W	

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
359868	10/17	Crocker Wheeler Co.	Copy of letter to Inspr. Brooklyn in connection with revision of specifications for attaching hinges and hasps to box W	
359848	11;4	Fed Tel Co	P Stewert & Co have units available for immediate shipment.	
359942	10/18	Dehl Mfg. Co.	Telegram sample 2 K.W. motor generator for Parke radio will be shipped to Washington Yard Oct. 19 by express W	
360116	10/18	Crocker Wheeler Co.	Submits quotation on 9 1/4 H.P. Motor W	
360166	10/18	Lowenstein Co.	Copy of letter to Crocker Wheeler Co. requesting expedite delivery of spare parts for 2 K.W. Motor Generators already delivered on contract	

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
360604	10/15	Inspr. G.E.	Fwds recommendations and prices for spare parts ~~for~~ of 150 KW oil engines	
359829	1023	To Federal Telegraph Co	- Gives requirments specified for 5 KW motor generator to be submitted by C-W Co (Gorcker-Wheeler) for fur suitibility test	W
			Fed Tel Co-List firms to which inquires were addressed concerning available equip for immed. purchase. W	
361933	10;21 10;23	Century Elec Co S&A	Submits list of motors in stock.	W
362872	10;24	Inspr Brooklyn	Conf tel conv rel to statment that bureau was backing up Inspr Brk in everything with con to Crocker Wheeler Co W	
362977	10-29	To Inspr Brook	Fwds let to Crocker-Wheeler advising that no large orders for motor generators below 1 KW capacity will be placed until they can be manfd promptly	W
			To Crocker Wheeler ditto 10-29	
			Crcocker Wheeler Co 11;1	
			To Crocker-Wheeler, re inability to del motor generator sets 11-8	

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GENERATING SETS

Number.	Date.	From or To—	Subject.	
358483	10-16	To Crocker-Wheeler	Alterations as listed are required to the sample 2 KW arc type motor generator set tested at Wash	W
358890	1o.15	Crocker Wheeler Co.	Order for two generators to be used by Bureau - request information in connection with voltage of W	
358852	10/7	Mare Island	Fwds report of test covering 1/2 K.W. Gas driven power unit W	
358258	10-10	NY	Confims telephone coversation re shipmt	W
359531	10/14	Marconi Co.	In starters and starter transfer switches relative to making as independant units W To ----- Fwds let Bu of 10-21 to Industrial Controller Co 10-23	

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Number.	Date.	From or To—	Subject.	
359509	10/16	Crocker Wheeler Co.	Fwds report of 1/2 K.W. airplane generators W	
359214	10/15	Crocker Wheeler Co.	Orders report of status of airplane generators W	
359637	10/17	Crocker Wheeler Co.	Fwds report of status of one half K.W. Generators for airplanes W	
359606	10/17	Federal Telegram Co.	Confirms telephone conversation relative to specifications of motor generators sets furnished by them to various manufacturers for securing quotation W	
359702	10/10	Boston	Confirms telephone conversation relative to shipment of motor generator sets W	

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GENERATING SETS:

Number.	Date.	From or To—	Subject.
354194	9;30	Crocker Wheeler Co	Req standard form of contract to cover mfg of four motors mfg under order of Lt LeClair W
354506	9;21	Inspr Brooklyn	Fwds copy of corresp in connection with Crocker Wheeler req to ~~furnish~~ to Bush shafting machine under size. W To Insp. Brook. States have no objection to Crocker-Wheeler Co. re-claiming 20 defective armatures. 10/5
354190	9;30	Crocker Wheeler Co	If navy dept will standardize 2 kw arc sets Co will furnish complete set of work draw, designs, etc. to other mfg for consid.
355308	10;3	Crocker Wheeler Co	Reports, fwds sketch one kw motor.
355783	10/5	Erie T	Motor generator sets - Burke Elec. Co shipped 10/5 - S
353437	10/1	To Firms	Reqts. descriptive matter on motors.

Robbins-Meyers-Fwds prints describ motors. 10;5 -- 10/7 Roth Bros. fwds ~~samples~~ pamphlet describing motors Eck Motor Co- ~~Describ motors co can furn.~~ 10;4

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
355983	10;3	Buf Forge Co	All blowers on order have been shipped, shipment of spare parts will start at once.	W
355793	10;2	Crocker Wheeler Co	Sub status of devel of 1 kw radio generator for airplane work in con with Inte nation R T Co W Crocker Wheeler Co. Oct. 18 - Reports on progress of 1/2 K.W. sets	
355248	10;3	G S Davis	Sub schedule cov deliv can be made of 2 kw transm sets prov prompt deliv are made by H C and other companies of nec material.	
356897	10/9		Submits memorandum of reading held at radio labatory at Washington between Bureau Federal Telegraph Co/ and Crocker Wheeler Co/ representative in connection with two K.W. Arc. motor generator	W
353437	10/15	Western Elec. & M Co.	Submits quotation Diehl Mfg. Co. Oct. 21 - Fwds copy of drawing	

GENERATING SETS:

Number.	Date.	From or To—	Subject.
350272	9;6	MI	Fwds report on heat of 5 kw 500 cycle MI motor generator type SE 794
351224	9;21	Diehl Mfg Co To Roth Bros- Comments on motor generator set applicable to new arc type transmitters 10-17 Duhl Mfg. Co/ Oct. 18 - 2 K W motor sets arc radio shipped by express to Washington Inspr. Brook. 10/19 Tele. express Co. will not accept ship. over 300# without Gov. B/L	Diehl Co-Motor generators deliv to Newark 10;22 Tel; Req appointment for their chief engineer in con with mfg of 2 1/2 kw motor generator sets W Diehl Mfg Co-Tel, req action. 9;25 To—Comments on above, 9-26 Diehl Mfg Co- Will make shipment 10;2 To Wash. Suitability tests of motor generators for use with Arc Transmitters 10/3 To—— Gives result of test of motor generators for use with arc rad. transmitters. 10/9
351805	9;23	Crocker Wheeler Co	Sample sub of ball bearing pullers, sub quotation covering. W
352671	9;24	Dublier Condenser Co	Req authority to procede with pattent dies, etc covering antenna shortning condenser, sub quotation on. W
321692	9;24	Holzer Cabot Co	Fwds print showing rheostat data.

SEE CARD 51

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GENERATING SETS:

Number.	Date.	From or To—	Subject.
352715	9;25	Crocker Wheeler Co	Submits status of shipment of 1/2 kw airplane generators. W
353077	9;26	Crocker Wheeler Co	Reports on shipment of airplane generators. W GE COp 10;1
353231	9;27	Crocker Wheeler Co	Sub estimate on parts most sub to wear on radio generators. W
353220	9;27	Crocker Wheeler Co	Sub status on mfg of airplanes generators.
351224	To Diehl Manf Co - Will be notified of result of test of 2 KW Motor generator 10-29 Received back from NY- 12;4	SEE OTHER SIDE	Inspr. Brooklyn Oct. 19 To Wash- Diehl Manf Cowill ship motor generator on 10-20th- Asks report of test and suitablity 10-23 Inspr Brook- (T) 13419 Express from Diehl manf Co-arc radio motor generator for test Wash 10-23

GENERATING SETS: 1918 34 56

Number.	Date.	From or To—	Subject.	
340993	8;23	Triumph Elec Co	Contract with K W Co for radio motor generators sets, protest against progress of work. W	
343184	8;28	Robinso & MayersCo	Spec radio spark gap motor complying with navy specifications being furnished to various radio companies, reqst information in connection with new taper for. W	
	on motor	shaft of rotary spark gaps	12-21	
			To Phila. Encl. copy of let. 8/28 for information. 9/6	
			Phila- Req reply to let of 15th. 10;29	
			Phila-Fwds prints. 11;6	
			Phila-Req action 11;21	
			To Phila- No manf of addiional gauges for taper	
344318	8;30	Crocker Wheeler Co	Req authority for S S Wheeler to visit Tuckerton and Belmar stations.	
			Phila. Oct. 15 Request approval of manufacturing engines - fwds drawing	
345079	9;3	Copeley Mfg Co	Fwds photo of 1/2 kw radio power units also 1/4 kw power units and cart for field set	
345628	9;6	Crocker Wheeler Co	No req for bid 15 kw generator received, asks reasons why. W	

N.S.E. Form 134. 882 — 3

GENERATING SETS

Number.	Date.	From or To—	Subject.
344336	9;3	Lalley Electro Corp	Confirms tel relative to furnishing their sets
345858	9;6	Crocker Wheeler	Radio Apparatus Company req authority to quote. W To —— Reqtd. that no quotation be supplied Rad. Appar.Co. 9/10
345467	9/10	To S&A	Reqts. shipt. of radio apparatus from Boston to Wash. for B.of Stand. W
345487	9/12	To Crocker-Wheeler Co.	Reqts. loan of motor generator. W
TO CD 67	To S&A- Rqst shpmt from Chasn to Crocker Wheeler 1 motor generator- 2/18		To--- Returns motor generator 12/7 To S&A Reqts. shipt. of radio apparatus from Wash. to Crocker Wheeler Co. 12/5
346913	9/11	To Boston (T)	Asks to investigate cause for burning out of m.generators & trans. W
349553	9;16	Crocker Wheeler Co	J E Steele, London, req cat. in connection with wireless apparatus, asks if advised to furnished. W
349924	9;16	Elec Cont Mfg	Req authority to submit for test one kw starter for motor generator, set.

GENERATING SETS:

Number.	Date.	From or To—	Subject.	
343766	8;29	Crocker Wheeler Co	Req bureau arrange reservations on boat going to Hampton, Va in connection with radio motor at station.	
342984	8;29	Crocker Wheeler Co	TEL:-No req for bid on 5 kw generator rec, understand bid opens 9;3	
344334	9;3	Lalley, Det	TEL: Are in position to deliver plants at once, req company be given order covering. W	
344336	9;3	Lalley, Det.	TEL: Req order be given to company now, just what bureau wants, can make prompt delivery.	
345499	9/7	To Insp Brook	Rqtd that inspection of sets be passed without motor generator	918
321692		See CARD 51	To Holtzer-Cabot E.Co. Reqts.data covering requirements of rheostats for 120 volt machines. 9/19	

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GENERATING SETS

Number.	Date.	From or To—	Subject.
350077	9/19	To GE Co.	Suggests arrangements & asks to advise if satisf. & when sample set will be available for test. W To GE- Asks reply to let of 9-19th 11-30
350094	9/19	To Crocker-Wheeler Co.	Referring to attached, B. has no knowledge of this order. W
		1919	
349924	9/21	To Elec.Contr.&MCo.	Instructions re test of starter. W To Norf. Re above. 9/21
345486	2;18	To 6th Dist	R B 3;3

GENERATING SETS:

Number.	Date.	From or To—	Subject.	
336786	8;12	Crocker Wheeler Co	Sub list of material covering 5 k w parts on hand, asks if can be used. W	
337172	8;12	Hampton Roads	Fwds report of test. W Wheeler Locomotive.	
337363	8;10	Hampton Roads	Submits report of test of motor mfg by Fort Wayne Elec Co.	
338285	8;15	Crocker Wheeler Co	Sub quotations cover shafting extension on motor ends.	
339694	8/26	To Wash	Gives instrns for test of motor generators ~~xxx~~ p.meters	876
339810	8/31	Fwd. Y&D	No present need of material ref. to. SL R&M Co - Req reply W 9;3	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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GENERATING SETS.

Number.	Date.	From or To—	Subject.
330900	8/7	To Crocker-Wheeler Co.	Rec'd. not quote on generators to Kern Com. Co. W Crocker Wheeler 8.9 Crocker Wheeler Co- Reqst instructions. 8;12 To—— Suggested that they reply to Kern Com. Co. 8/17
335951	8;5	Crocker Wheeler Co	Fwds print of motor generator naming plate and part number. W To—— Name plates approved. 8/12
324479	8;6	Ward Leonard Co SEE CARD 51	Relative to shipment of rheostats. W Ward Lennard Co - 8/19 (T) Sets shipped 17th
	8;12	[illegible]	[illegible]
330371	8;13	H & C	Old Number
331692	8;13	H &MC	Old Number

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N.S.E. Form 134. 882 -3

GENERATING SETS.

Number.	Date.	From or To—	Subject.	
338462	8;15	Phila	Spares for motor generator apparatus, submits detailed list of requirements covered.	
337701	11;5	Wireless Spec Co	Failure not due to light cov.	
339210	8;19	Robbins & Meyer	Asks if shall furnish all sets on each navy yard or ship building plant with vandykes etc. will be considerable expense if obliged to do so. W To——Replying to above. 9/18	
339192	8;19	Wasington	Sub report of test 3/4 k w storage by Copeley Mfg Co. To Copely Mfg.Co. Attaches copy of report.	8/28
339695	8/22	To Western Elec. Co.	Ack. rect. of motor generator & potentiometers, for tests. W	
339696	8/22	To NY	Fwds. blue prints. W NY- Fwds report. W	9;12
340463	8;22	Crocker Wheeler Co	Fwds copy of let to Triumph Elec Co in con with shipment of spare parts, gives status of.	
339810	8;5 8;21	Swartz Elec Co C&R	Offers Crocker Wheeler generator and switchboard for sale. W	

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GENERATING SETS.

Number.	Date.	From or To—	Subject.
330221	7/26	To Crocker-Wheeler Co.	Ack. rec't. of data re generator set & gives instruct. re test. W Crocker-Wheeler Co 8/16 - fwds instr sheets - W
330364	7/27	To Crocker-Wheeler Co.	Attach. let. from NY & drawing re constr. details for ball bearing puller. W
330371	7/29	To Holtzer-Cabot Co.	States motor generators should be shipped to Nav. Laboratory Phila; & gives further instructions. W To----States that it is desirable that voltage range be as given. Quotes let 7/29. 8/2
331504	7;27	Triumph Elec Co	Reqst where contract for 75 1/2 kw radio sets is placed. W
327621	7/31	To Holtzer-Cabot Elec.Co.(T)	250 cycle alternator field rheostat reduces open circuit voltage to 40 by test. W
331043	7/31	To Mare Is. (T) CANCELLED	Reqt. requis. # & date award gen'l elec. motors. W Mare Island TEL: Requisition 104 award to GE Co. W 8;1
330347	8;2	Holzer Cabot Co	Are in position to furnish motor generator set for radio work. W

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GENERATIN SETS

Number.	Date.	From or To—	Subject.
333723	8;3	Copley Mfg Co	Fwds copy of letter from Cut. & Washington in connection with penalties, reqst bureau's assistance. W To——— States that they take up direct with Cutt.& Wash. matter of penalties. 8/8
334932	8;6	Inspr Brooklyn	Fwds correspondence with Inspr Crocker Wheeler and rec acceptance of short frame castings, Crocker Wheeler 5 k w radio generators. Fwd. Insp. Brook. 8/10 received back 8/14 To——Authorizes accept. of mchines. 8/29
334388	8;3	2nd Dist	Reqst authority to make alterations in gas engine and radio equip of vessels of 2nd Dist. W
335715	8;7	Crocker Wheeler Co	Copy of letter to Triumph Elec Co stating six computators shipped 8;6 by express. W
333347	8/9	To Hobart Bros. Co.	States only purchasing motor generators of standard design. W

GENERATING SETS:

Number.	Date.	From or To—	Subject.
325504	7;11	Triumph Elec Co.	TEL: Cannot complete additional sets until communication received from Crocker Wheeler Co W
324748	8;2	Ward Leonard Elec Co	Submits quotation.
325520	6;28	Miami	Fwds prints to D C Generator & Motor drawn up by enlisted man named Hooper
326564	7;13	Triumph Elec Co.	Asks if sat to discontinue sending blue prints, and fwd only weekly schedule report. W To----- Satif. to submit weekly blue print form 7/30 . Triumph Elec Co - Fwds schedule as of 8;1
326718	7;11	Crocker Wheeler Co.	Reqst new type number be given in place of type CB 223 covering motor generator ~~order.~~ in order to cause no confusion.
327744	7;17	New York	Delco unites, fwds vandykes covering operation etc. W
328718	7/19	To Crocker-Wheeler Co.	Replying to let. of 6/11 agrees that it is advisable to distinguish betw. machine with ex. shaft & 1 without the extension.
327909	7/20	To Crocker-Wheeler Co.	Reqtd. they build a puller as indicated. W

N.S.E. Form 134. 882 - 3

GENERATING SETS:

Number.	Date.	From or To—	Subject.
328766	7;19	Triumph Elec Co	Have received shipment of 10 commutators shipped from Crocker Wheeler Co 5;18 W
329041	7;17	Howell Motor Co	Fwds catalogue describing their motors. W To---- If Dept. in need will notify to bid.7/24
328571	7/23	To Triumph Elec. Co. To Crocker-Wheeler Co.	Reqts. to quote spares listed for motor generators. W Same as above. Crocker - Wheeler Co 8/17 - submits quotations
329246	7/23	To Crocker-Wheeler Co.	Asks time nec. for bldg. of set of motor generator. W Crocker Wheeler Co - Sub quotations: 8;9 Crocker Wheeler Co- Req reply 9;4 S&A- Req action R 9;14 To Ind.Mgr. & Com. Asks if a generator available. 9/21
		To---Explains what machine ref. owed to in previous corres. 9/21 New York - 9:27 Norfolk - 9:30 To Washington 9;21	
329402	7;10	Mare Isl.	Sub report of test of Delarette generator for use with arc radio transmitter . W
330880	7;26	Crocker Wheeler Co	Quotes letter and reqst permission to submit quotations.
331506	7;27	Hammond Reserv Lab see 33,542-901	Reqst loan of motor generator in connection with demonstration of their sets. W

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GENERATING SETS:

Number.	Date.	From or To—	Subject.	
317552 Old number	6;17	Elec. Cont & Mfg Co	Fwds pamphlet describing 1 k w starter for use in connection with 1 k w motor generator on radio set. W	
319344	6;21	Copeley Mfg Co.	Fwds receipt of generator set from Norfolk Yard for repairs. States would cost more than new set. W	
	To—Rqst fwd Bur all data re rebuilt geared gas engine- 2/15 Fwd S&A 2/15 fwd S&A 3-24 S&A-Fwds correspondence. 5;22		To Norf. Re remodelling KW motor boat set engine unit returned to Copely M CO. 6/27 Fwd Norf 1-15 received back 1;29 To S&A 3;3 R B 3;22	
318174	6/21	To GE Co.	Re purchase of high frequency alternator at New Brunswick? 6/21	
319870	6/24	Copely Manufg. Co.(T)	Charging set will be ready for shipment Thursday. Request shipping instructions-W To——(T) Ship charging unit Radio Test Shop Wash. 6/25 Copely Mfg Co. - Set will be shipped by 6;27 express. W 6;26	
302079	4/28	Phila	7/10 Copeley Mfg Co - K w set fwd to Washington Yrd 6;7 Fwds blueprint and memo concerning rotary adjustable gap and spark gaps. To Mare Island-Radio Motor Generator on USS MARBLEHEAD 5/6 Mare Island-Fwds description of radio motor generator as installed on the USS MARBLEHEAD	898
330220	7/26	To Norf	Fwd Holtzer-Cabot Elec Co's test record shts 876	

(over)

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GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.	
320355.	6/24.	Crocker W heeler Co.	Have entered order for dynamo motors as listed, submits quorations covering, reqst fwds requisition covering. W.	
		Crocker Wheeler Co - Reqst confirms orders 7;23	Crocker Wheeler Co 7;5	
		To 7/26 - Gives #s of machines ref.to.7/2	To S&A via Secy of Navy. Reqts. to issue notice of award to Crocker-Wheeler Co. in order that no delay will be incurred in making shipt. 7/13	
319933	6/26	To S&A	Reqts. shipt. of motor generator from Wash. to Boston for Holtzer-Cabot Elec.Co. W	
321589	6;25	Marconi Co.	Asks if satisfactory to have radio transmitter be furnished without speed controll rheostats. W To---- Author. granted to equip transmitter with a constant speed 440 V.D.C.motor. 7/12	
322450	7/1	To Holtzer Cabot El Co	(T) Proceed with h. speed set if del. 1st 6 sets in 6 wks. is assured. W	882
321692	7-3	To Holtzer-Cabot-	Rqst proceed with mfcr of 25 motor generators -det in re to- W.	
		To Ward Leonard Co. Gives instructions re winding motor generators. 9/7	Fwds vandykes showing over dimensions. 7;8	
		To Holtzer-Cabot Co. Reqts. to improve delivery. 9/7	To---- Spare parts for motor generators shall be supplied in accord. with specificat. 7/12	
		Ward Leonard Co-Will advise when rec infor from company W 9;10 CARD 57	To--- Reqts. m-generator be fwd. to Phila.8/9	
		H&E Co-Expects to complete order in 10 days. 9;18	Holtzer Cabott-Fwds rheostats ~~of~~ sheet. 9;12	
		To Ward L.Co. Fwds. 1 blueprint copy of data sheet. 9/19. See CARD 55	To---(T) Expedite shipts.motor generator.9/17	
324155	7;5	Triumph Elec Co.	Reqst authority to fwd alternator current deduction motors to navy yard for test. W	
			To---- Reqts. cuts,plans & tabulated test data. 7/12	
			Triumph Elec Co - Fwds general bulletin 8;8	
323723	7/9	To GE Co.	Asks whether or not you think a homo-polar generator could be designed to meet requirements stated in let. W	
324479	7/10	To W.Leonard E.Co.	Reqts. to be advised re cost & del. of 25 rheostats. W	
		To--- Reqtd. to fwd. price & dels on 25 motor & generator f.rheostats. 8/2	G E CO - 7;29 R Ward Leonard Co 7;24	
			To-(T) Rheostats satisf. 8/9	

SEE DUPLICATE 53

[OVER.]

Number.	Date.	From or To—	Subject.
298582		CARD 47	Exp Sta - T - Request send generator by special messenger or express. TO S&A-Rqst shipment from Wa sh to Exp Station N Lond- radio apparatus- 6-1
311801	5-29	Crocker Wheeler Co	Daily report will be fwded showing exactly what machines had been shipt during that day. W
311208	4-29	H Macormack	Can make immediate shipment of 12 condensing Westinghouse geared turbo generators - submits quotation on. W
311512	5/8	Crocker-Wheeler Co	Instrn books on arc sets - request copies for use in making up specificati ns for 600 volt generator - W
311557	5/28	Crocker Wheeler Co	Quotes letter from Perdue University requesting quotation on generators - W

N.S.E. Form 134.

GENERATING SETS. MOTORS 882--3

Number.	Date.	From or To—	Subject.
311702	6-3	To Crocker-Wheeler Co-	Bu needs one 2 K W motor generator with 80 volt D C supply- Gives data-6-3 W Crocker Wheeler Co 6/8
312665	5/31	Crocker Wheeler Co	Submits information re new 1500 volt dynamotor weighing about 28 or 30 pounds now under course of constrn - W
312975	6/3	Crocker Wheeler Co	Temperatures on Sperry gyro type machines - request Insp be notified of instrns in connection with - W To Crocker-Wheeler-Fwds copy letter June 1st 6-6
314160	6;6	Crocker Wheeler Co.	Asks if any objection to company submitting quotation to S.D. STATE COLLEGE on generators. W To Crocker-Wheeler Co- No objection to above-not to interfere with work of Gov.-6-10
31407L	6/6	Crocker Wheeler Co	Reqst fwd instrn booklets covering machines to be used with federal telegraph arc sets - W
314779	6/6	Triumph Elec Co	Rqst Bu assistance in securing dely of poles from Crocker Wheeler Co. W

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Number.	Date.	From or To—	Subject.
315046	6/8	New York	Fwds prints showing latest alterations to brush and ball bearing for 1/2 k w Crocker Wheeler Motor radio generator. W
?	6/6.	Marconi Co.	Calls attention to faults in Crocker Wheeler generator-W. 629. 629
314551	6/7	Crocker Wheeler Co	50 1 k w motor generator for E J Simon on French contract, states that price has not been increased. W
314070	6/12	To Crocker-Wheeler CO	Will send copy of specifications as soon as available. W
316827	6/11	Ward Leonard Elec Co	Submits facilities of plant for mfg of field rheostats for 1 k w sets-can handle govt work. W
319344	12;28	Copely Mfg Co	Old Number **Copely Mfg Co-Material received at Norfolk 12;9** Copely Mfg Co-Fwds copy of all correspondence 2;18 W fwd S&A 3-4

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GENERATING SETS: MOTORS

Number.	Date.	From or To—	Subject.	
318612	6;8	Mare Island	Reqts approval of ~~of~~ reqts covering D C motor generators in stock at San Francisco. W	
319392	6;22	Lalley Elec Co.	Tel. Offering late delivery of generating sets for radio. W	
319411	6;20	Triumph Elec Co.	Change in design of armature will delay shipment, explains why necessary. W	
320574	6;22 6;24	Lalley Elec Light Corp Department	Fwds copy of tel and letter relative to supply generating sets, quotes prices. etc. W	
319821	6;25	Norfolk	K W hand armatic motor starter submitted, fwds report of test. W To Monitor Contr.Co. Gives list of improvements for starters. 6/29 To Norf. Ack. rect. of report re tests on starters. 6/29 To Monitor Controller Co. States that tests will not be needed if Co. fulfills requirements stated. 7/29 Monitor Controller Co - 7;23	

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[OVER.]

GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
307109	5-16	To Crocker-Wheeler Co	Crocker-Wheeler Co may obtain 1-KW motor generator by sending for it-W Crocker Wheeler Co 5-18
307277	4;14	Triumph Electric Co.	Fwds copy of letter from Wireless Improvement Co. requesting information returns of settlement giving radio apparatus. W To Triumph Elec.Co. States that peyts. to be made by contr'or is matter to be settled betw. the contr'or & sub-contr'or. W 6/11
309000	?	H C Company	Asks if bureau is necessary in light wire motor generator to operate from a 24 volt storage battery for radio transmitter. W To H C Elec Co- Has no immediate need-5-25
309567	5;22	Inspr Brooklyn	Switch completion of order for radio apparatu from Crocker Wheeler Co.. Fwds letter from contractor giving information in connection with. W
298582	5-24	To (T) N Lond card 47 875	Cannot Western Elec set now at N Lond Sub Base for Sub Force radio officers underwater experimnets be used-W
309272	5-24	To NY	Encloses blueprint Be aring Puller and bids obtained by Crocker-Wheeler for Motor this puller--W New York 7;2 NY - 6-3 To NY. Reqts. to submit design for Ball Bearings to B. 6/25

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N.S.E. Form 134.

GENERATING SETS: MOTOR. 882---3

Number.	Date.	From or To—	Subject.
298582	5-29	See Card 47 OPEN	To N Lond- Generator obtainable from Wash Yard fwd shipping instructions--5-29 W To Wash-- Confirmation phone conversation between radio test shop and S E- In re above shipment--5-29
311557	5-31	To Crocker-Wheeler Co-	Has no objection to quoting price to Purdue Univ for 500 cycle alternator- Not to interfere with Navy work-W

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[OVER.]

GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
301573	4-26	Crocker Wheeler Co	Fwds copy of letter to Fed Tel Co, fwding quotations from Cutler Hammer Co on control apparatus for Poulsen arc radio sets. W
300662	4-25	To Crocker-Wheeler Co-	Auth to construct boxes for spare parts-W
300952	4-25	TO E J Simon	Asks why rqst was made from Crocker Wheeler for print #192534 W E.J. Simon - Requests drawing W 4-26 To Crocker Wheeler Co- E J Simon rqst drawing in French-No objection from Bu--5-1
297469	5-1	See Card 46	To Inspcr Brook -In re report of Res. Inspcr Ampere NJ--W Inspr Brook - W 5/3 To Inspcr Brook-Fwd correspondence as rqsted-5-7 Inspr Brook: fwds report by Inspr Crocker Wheeler also blue prints, etc. W 5;20 Inspr Brooklyn 5;21 Brook - Pers nal) relative to hurrying up manufacturers in district - special reference to Crocker-Wheeler - Cory & Son, etc - 5/21
303439	5-2	Inspr Brook	Confirms telephone conversation relative to detailing an officer to investigate situation at Crocker Wheeler Co. W

N.S.E. Form 134.

GENERATING SETS: MOTOR 882-3

Number.	Date.	From or To—	Subject.
302827	5-2	To triumph Elec Co	In re shipment 2 K W generators for F Lowenstein-will expedite delivery-W
305317	5/1	Baudette & Graham Engeering Co	fwds specns covering D C generator sets-can make quick delivery coverg.W
306554	5;13	Crocker Wheeler Co/	TEL. Submits quotations on 7 1/2 h p motors with time of delivery. W
305929	5/9	Triumph Elec Co	Ask if order for motor generator sets with spare parts from K & C Co is urgent. W Triumph Elec Co 5-18
306020	5-13	To Marconi Wireless	Requesting 2 vandyke copies of dwg 30121-10RE 43F-1000A. W Marconi Company fwds vandykes. W 5;17
306021	5-13	To Crocker Wheeler Co	Rqst information re supply of spare parts for Motor Generators. W Crocker Wheeler Co 5;17

To Triumph Elec Co-5-22

Triumph Elec Co - 5/28

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GENERATING SETS:MOTOR. 1918

Number.	Date.	From or To—	Subject.
297716	4/10	Matthews Co	Are in position to apply silvered coating to both sides radio condensers.W To--4/20
296989	4/12	To Inspr Crocker Wheeler.	Synchronous Impedance 5 KW radio motor generators. Re improvement in mechanical construction of stator which would speed up production.W To Yards--Ditto.4/12 Inspr Crocker Wheeler-Submits report.W 4-16 Norf 4-17 NY--Reports on test--4/23 Phila - W 4-30
298362	4-15	Crocker Wheeler Co	Request that Boston yard be instructed in connection with spares for motor generator sets. W
299030	4/16	Crocker Wheeler Co	Month ending April 15th gives number of machines shipped and gives dates when ~~plan~~ balance will prpbably be shipped.W
299048	4/17	Crocker Wheeler Co	5 kw motor gen sets-reports improvements and recommends different type number be assigned.W
298981	4/20	To Cutter E&M Co	Failure in delivery of circuit breakers to K&C Co. Reqt keep up deliveries, or will discontinue doing business with. W Cutter E & M CO/ 5;11

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N.S.E. Form 134.

GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
299375	4-18	Crocker Wheeler Co	Forwards request from Alaska for catalogue, etc. W J B Elliott 10;22 W
299754	4/19	Triumph Elec Co	100 1-kw motor gen for the In ternatl Radio Tel Co. delivery will be delayed due to non receipt of instructions.W
299753	4/19	ditto	Copy of letter Marconi Co unable to make deliveries on date promised due to non receipt of dye for laminations.W
296582	4/19	To GE Co	GE Pliotrons, and motor generator; reqtquotation covering. W To Crocker Wheeler Co--Ditto for motor generator. 4/19 G E Co-5/6-submits quotations covering motor generator.W See Card 49 To (T) Crocker-Wheeler Co-Disregard Bu letter May 21st---5-24
		Crocker Wheeler Co can deliver machine in 3 weeks submits quotation covering. W 5;16 To New Lond- RE Crocker wheeler motor generator 5-20 To Crocker-Wheeler Co- 5-21 N Lond -(T) W	
296985	4/19	To M.Is.	Allott for construction and development of a 10 KW Neuland high frequency alternator. Makes.W
299375	4/22	To J.B.Elliott	Crocker Wheeler Co cannot give information re motor generators for radio telegraph. W G B Elliott-10;22
300228	4-24	ToN.Y.	Reqts drawings and desirability of supplying all ball bearing machines with puller for removing ball bearings from radio motor generators W To Crocker Wheeler Co - Asks estimate of supplying puller in lots of 200 4-24 To N Y re pullers for ball bearings on radio motor generators, 5-17
		NY - Fwds prints of ball bearing puller manufactured at yard. W	

CARD 49

4—2381

[OVER.]

GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
292993	3/7	Crocker-Wheeler Co	F wds copies of blue print giving operating characteristics of their 1/2 KW motor generator type C B 213 - W
293603	3-29	Crocker Wheeler Co	5 kw motor generators for use in operating Poulsen arc system - request opportunity to witness machine in operation. W To--Comments on.4/2
293458	3-28	Inspr Cramps	Reqts plans of radio motor generators in connection with foundation
295298	4-3	Crocker Wheeler Co	Spares for Marconi machines - request that Boston be directed to ~~xxxxxx~~ submit order for complete set in lieu of certain parts.W
295572	4-5	Crocker Wheeler Co	Quotes from B.F.Sullivan, enlisted man, at New London, requesting copies of catalogues, booklets, etc. W To--No objection.4/12
295107	4/5	To NY	Test of type K-2 condit circuit breaker. Directs fwd copy of report to Radio Division. W

N.S.E. Form 134.

882-3: GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
295300	4/2	Triumph Elec Co	Fwds shipping schedule as of April 1st covering radio materla gen set.W Triumph Elec Co - Changes shipping schedule.W 4-6
295946	4/6	GE Co	500 cycle gen set-reqt authority to examine only in portion.W To--Satis to have contr cancelled.4/17
295938	4/5	GE Co	Alexander alternator offers to stand expense of test.W
296271	4-8 E.J.Simon-reports on trouble in getting motor gen for Crocker Wheeler Co.W To--4/20	E. J. Simon	Complains of unsatisfactory delivery of motor generators from Crocker Wheeler. W E.J.Simons-T-states can make shipment of 30 addtl 1-kw transmitters for motor gen are received.W To Crocker Wheeler Co--Reqt infor re deliveries of motor generators to E. J. Simon. 4/13 To--4/13
296783	4-10	Triumph Elec Co	Bailey holders - shipment received short.W
296742	4/9 4/9	Inspr Crocker Wheeler Co Inspr Brookn	Crocker Wheeler Co reqt bush shafts on 1-kw motor gen. To via Brook--Gives action. 4/13
296780	4/9	Crocker Wheeler Co	Copy letter received from Hampton Roads Air Station calls attention to clause stating that if they didnot return both proposal blanks they would be barred from future bidding.
297469	4/11 to pull together in re orders. 4/20	Inspr Brookn R	Motor generators-delays in production of-fwds report from Local Inspr.W To Crocker Wheeler Co--Fwds copy of letter from Resident Inspr re failure of company

4—3381 Crocker-Wheeler Co - 4/29 - W

(over)

see card 48

GENERATING SETS:MOTOR.

Number.	Date.	From or To—	Subject.
288928	3/12	Marconi Co	Gives number of motor gen reqd from Crocker Wheeler Co for 1 kw set.W
288501	3/13	To Crocker Wheeler C o	Fwds list showing number of motor generators to be delivered between dates of March 15th and April 15th. W Crocker Wheeler Co-corrects error in their letter March 25th.3/29
269910		CARD 40	Wireless Specialty Co - Forwards copy of letter of January 17th, forwarding van-dykes. W 3-12 To Wireless Spec Ap Co—3/18
290003	3-11	Crocker Wheeler Co	Delay in shipment will occur if schedule for March 15th to April 15th is not recd.W
290216	3-16	Crocker Wheeler Co	Acknowledge receipt of specifications, and asks how they can be applied to cover machines of 5 kw capacity. W To—Directs take up with Fed Co.3/22
290283	3/16	Crocker Wheeler Co	States efforts to ship 401 radio motor gen ~~xxxx~~ between Feb.15th and March 15th resulted in shipment of 434 in lieu of 401.W To—3/20

N.S.E. Form 134.

GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
290603	3/18	Phone NY	Instrns re obtaining a 1 or 2 KW motor generator.
290777	3/20	To CrockerWheeler Co	Lists spares and parts of 5 KW radio motor genrator. Reqts quotation covering. W
	Phone--Re quotation on and delivery of spare parts.3/29		Crocker Wheeler Co-Quotes prices for spares and gives time of delivery.W 3-26
291272	3/19	Triumph Elec Co	Reports on status of shipment of two kw motor gen sets for Lowenstein,Marconi gives dates on which could furnish addtl.W
290702	3/21	To NY Norf	Hand and automatic starters. Reqt list of those which have successfully passed test. W
	Norf-4/2 Submits list of hand & elec starters that have passed suitability test-Elec Contr Co etc.4/2		NY-Hand and automatic starters - submits list of those submitted by the Industrial Controller Co, that have passed test.W 3-30
291807	3/21	Triumph Elec Co	Fwds report re status of each radio motor generator for month ending March 21.W
291960	3/22	F Lowenstein	Rotary spark gap motors-recommendations for cutting down amount of current used on starter.W
	To F Lowenstein- In re compound winding for rotary spark gap-App. for futurecontracts only 4-23		To--Comments on.3/30
20808	3-18	To Pug Sd.	Directs furnish information to inspr of any sort re defect in motor generators.3-18 629.
293102	3-27	Crocker Wheeler Company	Shipment of squirrel cage induction motor to Naval Aviation field, Jamestown Exposition. W
			To--3/29 Crocker Wheeler Co-set ready for shipment.3/29

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[OVER.]

GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
283491	2-20	Sperry Co	Motor boat equipments - Crocker Wheeler Co state have instructions to do no more work on motor generators. W
	To--Reqt keep Bu informed re progress.3/15		Sperry Co--fwds copy of letter-reqt action.3/5
			To--Have reqted Crocker Wheeler Co to make prompt deliveries.3/8
			Sperry Co-rel to deliveries Crocker Wheeler Co.3/12
283892	2-21	Crocker Wheeler Co	Request authority to quote price on motor generator set to Mr. Perry. W
			To--No objections.2/26
	Triumph Elec Co-3/19		
284190	2-22	~~Triph~~ Triumph Elec Co	T - Relative to packing of spare parts.W
	To--3/14		Triumph Elec Co-Request action on letter, of Feb 22nd. W 3-5
226235	2-25	To Crocker Wheeler	Co. Acknowledges receipt of letter giving infor re deliveries of motor gen sets. W. 876.
286261	3/2	Crocker Wheeler Co	Standard five-auscb 233 machine--asks if No. CB 233 shall be used on machines which have been bored slightly larger.W
	To--3/12		To--Comments on.3/5
	Crocker Wheeler Co-Ask if same type of number can be used. 3-19		
	To--3/22		Crocker Wheeler Co-Request confirmation of repairing frames and using larger diameter W 3-8
286517	3-4	Crocker Wheeler Co	Fwds set of vandykes for motor generators.W
			To--Ask weight of each of type machines.3/6
			Crocker Wheeler Co - Gives weights.W 3-9
287189	3-6	Crocker Wheeler Co	Forwards copy of letter from H-C requesting license agreement for them to manufacture CW radio motor generators. W
			To--Directs fwd agreement as soon as possible.3/8
			Crocker Wheeler Co-Are fwding agreement of H-C Co. W 3-11

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N.S.E. Form 134.

GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.	
285770	3/6	To Yards Flets	Description booklet of Crocker W heeler 1/2 KW Radio motor generator. Fwds. W	
288309	3-9	Triumph Electric Co	Forwards progress report on motor generators on sub-contracts. W	
288670	3-11	Crocker Wheeler Co	Submits status of work on generators, delivery of which was promised on or before March 15th. W	
288500	3/12	To Inspr Crocker Wheeler T	Reqt tests on one KW motor generator be expedited. Machines urgently needed. W	
		Inspr Brook 3-14 -- 3-13 - Crocker Wheeler Co-rel to shipmt of various sizes of mot gen.3/25	Inspr Crocker Wheeler-Submits report of instr on expediting tests - Inspr Brook states Inspr Crocker Wheeler worthy of all confidence.W	
33808	3-12	Brook.	Fwds. report of Insp. Crocker-Wheeler plant on P. Snd. complaint of unusual vibration one KW generator. W.	629.
33808	3-7	Ampre.	One K W motor generator; Crocker Wheeler design; states not up to standard and submits report in detail on. W.	629.
288875	3/12	Crocker Wheeler Co	Request instrns for shipping motor gen to the K&C Co.W	
288857	3/12	Crocker Wheeler Co	Reqt instrns rel to furnishing W.H.Freedman, professor of elec engineering data on motor generators.W To--3/19	

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[OVER.]

GENERATING SETS:MOTOR.

Number.	Date.	From or To—	Subject.
279744	2/5	Crocker Wheeler Co	Spare part boxes for 1/2 to 5 kw motor gen-request permission to use hooks and clamps on the front corner in lieu of hinges locks, and keys,etc.W To—2/11 To NY—Fwds company's letter with instrns.2/11 NY - W. 2-21
279679	2/6	F.Lowenstein	States have 15 two kw radio sets ready for delivery except motor gen ans spares.W
280169	2/8	cancelled.	
280623	2/7	Marconi Co	Reports non-receipt of a Crocker-Wheeler Motor generator.
To—(T)Ask GE Co expedite bulbs.2/23			To—Detailed comments on.2/16 Marconi Co - States tubes delivered by GE were not 12 ~~volt~~ fillamont - W 2/21
280578	2/12	To Crocker Wheeler Co	Lists certain apparatus and reqts quotations covering. SW Crocker Wheeler Co-quotes prices.2/28
281057	2-12	Inspr Cincinnati T	Triumph Elec Co-request authority to use 29 gauge sheet material for motor generators. W To—(T)use of 29 gauge auth.2/13 Cincin - fwds copy of letter from the Triumph Elec. Co - 2/13 W
281155	2/7	Crocker Wheeler Co	Confirmation of their understanding that exact specifications buildings to order will be sent and that general specifications are not necessary.W To—2/14

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GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
281655	2/15	To H-C Co	Reqt quotation on one spare armature for motor generator as furnishing by C utting and Washington. W H-C Co--2/18
281657	2/15	To Crocker Wheeler Co	Reqt quotations on 1 and 2 KW armatures for standard Navy type Motor generators. W Crocker Wheeler Co-quotes price.3/1
282230	2-16	E. J. Simon T	States delivery of 1/2 kw sets will depend upon their ability to secure motor generators from the Crocker Wheeler Co. W
281334	2/16	To Hoban Mfg. Co To--Unit shipt from Wash.3/19	Will have but one standard engine for sub chasers and will equip 60 sets to be replaced with that standard engine. W Koban Mfg Co--2/19 Koban Mfg Co--3/15
282866	2/15 2/18	George Bender S&A	Offers second hand motor generators.W Fwd S&A--2/25
282979	2-19	Puget Sound T	RptsCrocker Wheeler Co. -Have not delivered sufficient hobs to complete 1 and 2 KW sets. K & C Co state difficult in financing on acct of inability to make complete shipments. W To S&A--Comments on terms of payment.2/21
283344	2/20	Crocker Wheeler Co	Request that Navy Yards place order for complete set of spare parts in lieu of miscellaneous parts-states have put through order for 35 sets on Bureau's request-calls attention to specific ?? from Boston yard.W

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[OVER.]

GENERATING SETS: MOTOR.

1918

Number.	Date.	From or To—	Subject.
275763	1-21	Marconi Co	Fwds copy of letter from GE Co, stating cannot deliver 200 kw alternator until March .W To—Comments on.1/24
275870	1-21	GE Co	Radio motor generator will be delivered at Chasn; requisition does not call for generator or exciter field rheostat.W Fwd Chasn--1/29 RB 2-6 To--Proprietory reqn being made.2/8
276174	1-23	Crocker, Wheeler Co	Fwds copy of letter redeived from H-C Co, relative to radio generators; fwds in connection with royalty basis W
276175	1-23	Crocker, Wheeler Co	Expect to send 10 1 kw radio generators and spares to testing department and will ship 10 to K&C and 5 to Simon.W
276176	1-23	Crocker, Wheeler Co	2 kw radio motor generators; have shipped 8 to Lowenstein since Jan; 10 nowready; expect to complete 12 more before end of month.W
276608	1-21	Crocker Wheeler Co	Fwds new Vandykes - instrns sheets, covering radio motor generator. W To—Wiring diagram, etc. not received.1/29
276730	1-25	F. Lowenstein Co	Asks type of dilecto tubes to be used on two kw radio transmitters. W To--2/9

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GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
276715	1-25	Copely Mfg Co	States have quantity of starters in stock due to reconsigning certain generators - asks if Navy can furnish. W To--Starters already purchased. 2/4
276590	1/26	To Crocker Wheeler Co H-C Co Triumph Elec Co To Triumph Elec Co--2/6 To Triumph Elec Co--2/7 Triumph Elec Co 2/5	Urgent need of motor generators of all types and sizes. Reqt expedite delivery of those under construction. W H-C Co 1-30 Triumph Elec Co gives contemplated dates of shipment 1-31 Triumph Elec Co - W. 2-12
272224	1/29	To Crocker Wheeler Co	T Reqt information as to date of delivery of spares for one KW motor generators delivered E. J. Simon. Crocker Wheeler - W - 1-31
278186	1-30	F. Lowenstein	Triumph Co state have received no instructions relative to cancellation of the 40 2 kw motor generators.W
278678	1/30	GE Co	One kw mot gen set-understand will require 400-request specifications.W To--Induction alternator will be requd.2/4
279623	2/5	Sperry Gyro Co	Radio motor generator for motor boats - fwds vandykes W To Sperry Gyro Co-4-29
279749	2/5	Crocker Wheeler Co	Lowenstein contracts-states payment to them has been held up pending settlement of penalty for delay charged against Lowenstein.W

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[OVER.]

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GEN. SETS: MOTOR.

Number.	Date.	From or To—	Subject.
273751	12-28 1-14	S&A Wash	Various contracts covering motor generators. Crocker, Wheeler Co; request inspection copies of contracts W Fwd S&A--1/16
273904	1/16	To Insprs Firms VOID G E Co-5/9-Detailed comments and recmdns covering aviation of navy specns. 17-g-5. To Inspcr Schenectady - 5-21	Advance sheet 55. T urbo gen sets. Fwds specns for comment and modification. L To Insprs--1/17 To Yards--1/17 NY 1/27 - L re Chgo 1-29 N Orleans--2/1 Brook 2-6 Norf-comments.W 2-23 Pug Sd 4-6
274161	1-14	Allen-Bradley Co	Fwds complete set of bulletins describing motor starters and controllers for motor generators.W To--Fwds specns.1/28 Co 1-30
274384	1/17	To Sperry Co	Directs expedite contr with Crocker Wheeler Co for rewound 1/2 KW motor generators. W Co machines not yet delivered 1-19
274611	1/17	K&C Co	States Crocker Wheeler Co have failed to make deliveries of motor generators as promised claiming same are commandeered by Government-asks cooperation that can be expected from Navy Department in the future.
274489	1-16	NY	Gear drive for Henderson engine generator set furnished by National Signalling Co; reports on experiments with.W

GEN. SETS: MOTOR.

1918

Number.	Date.	From or To—	Subject.
275453	1-21	K & C Co T	Reports receipt of 17 - 2 KW Generators from Triumph CO cannot promise further shipments until latter part of Feb. W
275446	1-18	Inspr. GE	Requests contract numbers covering 20 KW motor generator sets, Etc on requisition 137 & 500.W To—1/24
275499	1-17	Allen Bradley Co	Fwds complete set of bulletins describing motor starter and controllers. W Allen-Bradley - W - 1-25
275270	1-16	M Is	Fwds report on test 1/2 kw Crocker-Wheeler motor generator and spare parts.W
275320	1-19 To—2/28 To NY—2/28 Richard Pfund-W. 3-4 Phila. Oct. 10 Fwds photograph	Richard Pfund	Reports building a 2 kw direct flexible connected gasoline engine driven indicator type gen set; asks if Bureau is interested in the development of .W Fwd NY—1/23 R B 2/19 To Signal Officer—Fwds corres and photos.2/28
275000	1/21	To Marconi Co	Crocker Wheeler C o will deliver first sets completed on 1/2 and 5 KW contracts to company.W
275531	1/23 Crocker Wheeler Co-3/22 Crocker Wheeler Co. - Request authority to change field data on set. W 5-3	To Firms	Motor generators for radio sets. Instrns re proceeding with manuf of. W To Crocker Wheeler Co—Reqt reports of tests formerly reqted. 3/5 Crocker Wheeler Co - W. 3-9

1918

GEN SETS: MOTOR.

Number.	Date.	From or To—	Subject.	
269898	12/28	To Inspr Crocker Wheeler	Comments on data submitted re copper and iron losses.W Inspr Crocker Wheeler CO-temperature test data-gives information.2/11.W	
269910	12/31 Co fwds vandykes in connection with motor shunt field 1-17 To--2/15 To--3/6	To Wireless Spec Ap C o	Fwds letter and drawing from CrockerWheeler Co, re trouble with starting 1/2 KW AUS generators. W Co fwds comment on Crocker-Wheeler's complaint 1-5 To--Directs prepare instrns sheets.1/12	CARD 45
271013	12-13	H. E. Clifford T	3-phase generator probably can be had at GE Co if Priority Board sanctions.W	
271074	12-29 Triumph Elec Co-state no use in speeding up mfging output unless final testing is speededup.1/10. To--Appvs general system of inspection.1/18	Triumph Elec Co	States are experiencing difficulty in maintaining desirable rate of output, due to time required for testing generators; recommends complete test of one in every 10.W Cincinnati 1-8 Triumph Elec Co - 1-23	
271769	12/31 1/5	Crocker Wheeler Co Inspr Brook	1/2 kw motor generator frames-request acceptance of 150 frames rejected on acct of bore not being at right angles.W To--Gives action.1/10	
271653	12/31 1/4	Crocker-Wheeler Co Brook	Suggest method of bushing bearing fits of 40 shafts for 1/2 KW radio motor generators - fwds recommendations. To--Gives action on in detail .1/9 To--1/10	
271341	1/4	E. J. Simon T	Request Crocker, Wheeler motor generators for 5 1 kw sets be diverted to them; balance of machines ready .W To Crocker Wheeler Co--Directs expedite delivery of trans sets. 1/5	

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GEN SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
271944	1-5	H- C Co	Radio motor generators; submits report in detail as to why their facilities should be utilized for other work rather than manufacture of radio motor generators from the Crocker-Wheeler design and reports in detail on cost.W To--Detailed comments on.1/10
271988	1-4	Crocker, Wheeler Co	2 kw Marconi machines; quotes price for spares.W
272566	1-8	Crocker, Wheeler Co	Request formal acceptance covering repair of certain frames and shafts for motor generator.W
272565 3	1-8	Crocker-Wheeler Co	Reports receipt of Marconi Co for 75 2 kw motor generator sets; states question has been brought up relative to use of standard sleeve bearing instead of ball bearing as called for by specifications.W To--1/11
272764	1-10	E. J. Simon T	Crocker-Wheeler Co; Inspector advises no 1 kw sets for 2 weeks; request be expedited.W Crocker Wheeler Co - 4-4
272518	1/12	To Yards	Lists of spare parts for Crocker Wheeler Motor generators. Submits standard list of. W To NY--3/23 Crocker Wheeler Co 4-9 To Crocker Wheeler Co--4/8 To Bost--4/8 To Bost-4-29 R B 6/11

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[OVER.]

GEN SETS: MOTOR

1917

Number.	Date.	From or To—	Subject.
267653	12-14	Natl Elec Sig Co 793-12	1/2 kw gasoline power units; have placed order with Smith-Serrell Co for couplings; request priority order certificate.W Fwd S&A--12/27 RB 1-3
266915	12/14	To Firms	Lists apparatus, and reqt information re immediate delivery of, or length of time to manuf. W
268124	3/21	Elec Controller Mfg Co	(Personal) Fwds prints showing their automatic starter for use of motor gen sets.W
268120	12/14	H.C.Clifford	States probably GE Co can furnish turbo gen reqd.W
To GE Co--(T) sets.12/20		Reqt infor re turbo gen	FR Co - states have no such set on order - W 12/20
268287	12-18	H-C Co	Protests against Bureau decision that they manufacture motor generators on patents of Crocker-Wheeler Co.W
268506	12-19	Crocker, Wheeler Co H-C Co - 1-22 - W	Fwds copy of letter to H-C Co, relative to furnishing plans for use in constructing motor generators according to the Crocker-Wheeler design.W
H-C Co (T) make shipments 1-30		gives dates when will	Crocker-Wheeler Co - request action - 1/10W To H-C Co--Directs co-operate with Crocker Wheeler Co. 1/17
268512	12-18	Crocker, Wheeler Co	Recommends leeway to be given in line voltage and generator voltage.W To--Comments on 12/29 Crocker Wheeler Co--1/8.W

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GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
267660	12/17	To Goodrich Tire & Rubber Co	Dimensions of Gen for mounting with Koban engine. Gives ddimensions.
	Koban Mfg	Co--2/16	To Koban Mfg. Co--Gives information re generator.12/18
			Koban Mfg Co 12-22
			Koban Co 1-2
268984	12/20	Triumph Elec Co	To Koban Mfg. Co--1/8
			Fwds copy of two letters to ~~Crocker~~ Wheeler Co rel to spare part for 5 kw radio motor generators.W
			Cincinnati 12-21
			To Cincin--12/29
			To--12/29
			Triumph Elec Co recommends using single box for all spares 1-18
269048	12-21	Copely Mfg Co	1/2 kw power units for chaser sets; gives reasons why they should receive additional sum for extra cost coveringchange in direct connected to a geared type unit.W
			Fwd NY--1/10 -RB--2/14 (Cross ~~xx~~ original entry to 882-2)
269102	12/20	GE Co	1500 and 2000 50-cycle alternators-state have none available for immediate delivery-states will take 11 months to build.W
269594	11/30	General Elec Co	Sample charging set-will fwd data in a few days.
269672	11/7	J.B.Lunsford	Submits recommendations relative to temperature rise of generator sets.
269897	12/28	To Cincin	Supply voltage of 1 KW radio sets on reqn 750. Supply voltage is 110. Copies to firms. W
			Triumph Elec Co - 1/24 - W
			To Triumph Elec Co--1/30
			Triumph Elec Co 2-5

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[OVER.]

GEN SETS: MOTOR RADIO.

Number.	Date.	From or To—	Subject.
261900	11/19	Natl Elec Sig Co	Request instrns rel frequency meter to be furnished with engine gen sets being built. To--Gives action taken.12/8
262004	11/20	M Is T	Asks if power machinery for 20 kw arc apparatus, contract 15, has been tested by GE.W To--(T)No further test necessary.11/23
261957	11/20	To Brook	Methods of inspection at works of Crocker Wheeler Co. Directs investigate, and arrange most systematic manner of inspection. W Brook 11/24
263144	11/19	Pug Sd	K&C 1/2 kw motor generator insulation test forwards report.W
262879	11/24 To Phila--Re	To Crocker Wheeler Co deliveries of sets.12/31	1/2 KW motor gen sets to operate on single phase 60 cycle 110 volt alternating current. Directs treat as urgent. W Co submits detailed report and print 11-27 To--Quotes specns in reqn.12/14 To--Gives delivery of units on reqn being prepared.12/20
263778	11/27 Crocker Wheeler Co--reqt action-12/11.W To--12/17	Crocker, Wheeler Co	Request sample book for use of guide in getting up book describing operation and care of their motor generator sets.W Co 12-5 To--Were given to Mr. Keator.12/8
264501	11/30 To Crocker Wheeler Co--Instrns.2/16 To NY--3/8 NY - W. 5-18 To Crocker Wheeler Co--3/23	NY Crocker Wheeler-W. 3-7	States Crocker Wheeler Co motor gen did not comply with specifications.W To--12/4 NY 12-17 NY - 1-22. W To NY--2/15

4—3381 Crocker Wheeler Co-states are now beginning to ?? mailing terminal abroad.4/10.W

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GEN SETS: MOTOR: RADIO. 882 — 3

Number.	Date.	From or To—	Subject.	
264962	12-3	Crocker, Wheeler Co	Suggests proper set of spares for 2 kw radio motor generators sold Marconi Co·W Co 12-17	
265075	11/26	Inspr Crocker Wheeler	Reports on ~~number~~ poor workmanship,etc.W	
266089	12/8	Crocker Wheeler Co	1/2 kw motor gen set complained on by Wireless Specialty Co regarding excess starting current.W To—Fwds drawings and corres in connection with.12/17 To—1/15	
266425	12-11	Brook T	Crocker-Wheeler Co - request action 1/9 - W Contractors, Crocker, Wheeler Co, request copies of, for use of inspector at works.W	
266906	12/12	Crocker Wheeler Co	Request Inspector be directed to expedite shafting with which Lt Lavender OK'd To—Gives instrns given to Inspr.12/14	
267193	12/12	Crocker Wheeler Co	Request be furnished with complete specns covering all machines from 111-A to 111-D.W To—Fwds radio specns with comment.1/4 Co 1-9	
33294	12-11	E. J. Simon	States have experienced considerable difficulty in securing required deliveries from Crocker Wheeler Co - recommends use of the H-C type.	629
267573	12-13	Natl Elec Sig Co	51 engine generators; request 646 for use in 1/2 kw motor boat sets; relative to value of the speed mechanism.W International Signal Co request reply 12-22 To International Sig Co—12/31	

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[OVER.]

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GEN SETS: MOTOR: RADIO.

Number.	Date.	From or To—	Subject.
257689	10/27	Phila	Radio motors; fwds vandykes·W
258879	11/1	H-C Co	Radio motor generators on Norf requisition 619; are quoting pricesNorf W To Norf--11/27 To--Lists motor generators will standardize on.11/27 To Crocker Wheeler Co--Ditto.11/27
258494	11/1	Cincinnati	Submits report on matter of making inspection motor generators, Triumph Elec & Ice Machine Co·W To-- Fwds prints as listed, with comment.11/8
258922	11/5	Crocker, Wheeler Co	Have turned over office to inspector and will allow him services of typist when required.W
259530	11/7	Triumph Elec Co	Have been proceeding with work, anticipating order for 50 5 kw and 100 1 kw motor generators; request formal contracts be expedited·W To--11/12
259420	11/8	To Public Service Corp T	Reqt permit Crocker Wheeler Co 200 H.P. electric current for testing motor generators urgently needed by Dept. W Public Service Elec Corpn-11/12.W Crocker-Wheeler Co 1-8

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GEN SETS: MOTOR: RADIO. 882 -- 3

Number.	Date.	From or To—	Subject.
260272	11/12	Crocker, Wheeler Co	States has parts for assembling an engine type generator; asks if Bu's interested.W To--Ask price will quote on alternator.11/14 Co 11/19 To Inspr Ampere--Fwds copies of contrs.Co 11/23 Fwd S&A--1/14 1/31
260317	11/9	Brook	Request copies of contracts covering miscellaneous elec material, including gen sets.W Fwd S&A--11/16 To--12/1 To S&A--Reqt expedite copies of contr.12/14 RB 12-19 Fwd S&A--12/22 Inspr Ampere 1-8
260534	11/13	John H. Barker	States represents Roth Bros & Co and Bodine Elec Co; request prints and specifications covering motor generators.W Barker 11/21 (2 letters) To--Fwds drawings and specns.11/24
260614	11/13	Crocker Wheeler Co	1/2 kw engine driven sets being reqnd for motor generator-expect start shipment 3 weeks.
260346	11/14	To Westinghouse E&M Co	Fwds specns covering requirements of workmanship on material for radio transmitters.W To--Fwds add'l specns.12/4
260676	11/14	To S&A	Crocker W heeler Co merely desire weekly notice of proposed purchases at their factory, and notices need not be sent to Balto and Phila.W
261061	11/14	Natl Elec Sig Co	Gasoline engines and motor generating sets; submits quotations W

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[OVER.]

GEN SETS: MOTOR: RADIO.

Number.	Date.	From or To—	Subject.
255388	10/18	To H-C Co	In future radio motor generators will be inspected in factory by representative of Bu. W
255520	10/19	To ~~Best~~ Mass	Inspection of radio motor generators by regular corps of resident inspectors. In future will be carried out thusly. W.
255925	10/19	H-C Co	5 kw radio motor generators; fwds prints. W
256058	10/20	Bay Shore Air Sta VOID	List of supplies required; also request dates on which certain will be received. DA
256058	10/17	Marconi Co	Request be informed type number of the 1/2 kw motor generators manufactured by the Crocker-Wheeler Co and Triumph Elec Co. W To--Gives infor reqted. 10/23
255744	10/20	To Mass	Radio motor generator. Specns. Fwds. W
256082	10/22	To Ampere via Brook	Reqt for copies of contr. instrns re filling out form 101. W Brook request Inspr Crocker, Wheeler be directed to fill in contract number instead of word unassigned in shipping reports 11/1 To Brook via NY--Reqt re amendment of contr. 11/3

N.S.E. Form 134.

GEN SETS: MOTOR: RADIO. 882- -- 3

Number.	Date.	From or To—	Subject.
256345	10/23	To Crocker Wheller C o T	Lt. Lavender will visit factory tomorrow. W
256348	10/23	To GE Co T	Urgently reqt Mister Beekman for confernece Bu as soon as possible. W
256752	10/23	Cincinnati	Request instructions relative to inspection of radio work at the Triumph Elec Co. W To-- Reqt duplicate copies of contrs orders. 11/1
256448	10/25	To Nat'l Elec Sig Co	Directs start work at once on 51 gasoline engine and motor generator units. Fwds specns for. W Co 10/26
256902	10/26	To Norma Co of Amer.	Ball bearings. Bu will not at this time change specns for motor generators. Have been standardized. W
257517	10/17	Norma Co of Amer (2 letters)	Fwds copy of catalog covering apparatus manufactured by them. W
257604	10/30	Crocker, Wheeler Co	Request be supplied with copies of schedules pertaining to radio generators at the same time they are furnished to radio contractors for bids, in order to prevent delay in quoting to contractors. W Fwd S&A--11/5

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GEN. SETS: MOTOR: RADIO.

Number.	Date.	From or To—	Subject.
252672	10/2	J. B. Lunsford	Submits report on passing for shipment of a 10 kw, 2 unit, radio motor generator; reports on defects in; not sufficient to warrant rejection. W
252529	10/3	To Triumph Mfg. Co	Reqt co-operate with Govt Inspectors for inspection of material. W To Cincin--Inspection of radio motor generators will be made by regularly appointed representative in Dist. Inspr will arrive Cincin Oct 10.10/3
252540	10/3	To M.Is.	R eqt Vandyke of revision of drawing, motor generator. W M Is fwds prints 10/12
253549	10/8	To S&A	Directs fwd dozen Navy Shipping envelopes to Triumph Elec Co. W
253277	10/9	To Cutler Hammer Co	Reqt information as to sizes of field rheostats for use with two KW radio motor generators? Reqt drawings. W
253365	10/9	To Ward Leonard Co	Ditto. W Co 8" rheostats for motor generators; fwdsprints 10/11 Co fwds prints giving overall dimensions of rheostats 10/19

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N.S.E. Form 134.

GENERATING SETS: MOTOR RADIO. 882—3

Number.	Date.	From or To—	Subject.
254391	10/12	To Crocker Wheeler Co H-C Co. Triumph Elec Co.	Rigid tolerance to be applied to all rotors of motor generators. Reqt dimension of certain rotors. W H-C Co gives diameters 11/2
254588	10/13	To Cincin	Inspection of radio motor generators manuf in Cincin Dist. Instrns in connection with.W Cincinnati states will take up matter of appointment of assistant insrector at Triumph Co on return of general manager 10/15
255001	10/16	Crocker, Wheeler Co	Copy of letter to Norf, relative to bids for 5 kw radio motor generators; request copy of specifications; gives performance of their machines.W
255319	10/17	Crocker, Wheeler Co	Request authority to leave off code numbers on prints.W To—G ives action.10/22
254980	10/16 10/15	To F. Lowenstein To Marconi Co To K&C Co	Directs furnish inspector Cincin with copies of contrs for motor generators from Triumph Elec Co. W Kilbourne & Clark Co 10/21 Cincinnati request instructions relative to inspection of radio material, Triumph Elec Co 10/27 To Cincin—Reqt duplicate copies of contrs orders.11/1

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[OVER.]

GEN SETS: MOTOR: RADIO.

Number.	Date.	From or To—	Subject.
248517	9/11	To Crocker Wheeler Co M.Is. Norf	Standardization of field rheostat for 5 K.W. motor generator. Reqt information in connection with. W Crocker, Wheeler Co 9/18 M.Is 9/22
248781	9/12	To Crocker Wheeler Co	Standard field rheostat for field circuit of all 2 K.W. inductor alternators for future delivery. Reqt information in connection with.W ~~To M.Is.—Reqt information.9/12 (2)~~ Co 9/18 M.Is 9/22
250281	9/20	Crocker, Wheeler Co	10 kw radio motor generators: relative to bearing and coupling construction; fwds prints.W ~~To—Reqt further information.9/25~~
250136	9/20	To Crocker Wheeler Co	Ask testvoltage willing to guarantee for motor generator apparatus, in excess of the 1500 volts now specified. W Co relative to test voltage 9/22 ~~To—Comments on.9/26~~ Crocker, Wheeler Co 10/8 Triumph Elec Co submits recommendation 10/22
250310	9/20	Ward, Leonard Co	Dimmers for wireless motor generator sets, rheostat for; fwds copy of drawing.W
250549	9/21	New York	2~~x~~ kw motor generator sets-fwds diagram connecting either auto or hand starter.W
250131	9/20	To H-C Co	Fwds various ppints for comment. W

N.S.E. Form 134.

GEN: SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
250990	9/22	Norf	5 kw motor generators; fwds vandykes.W
251015	9/24	Inspr Crocker, Wheeler	Request ruling on air gap variation allowed; refers to controversy with company; output excellent, no necessity for allowing large variation.W To--Directs reject motor generator.9/26
251078	9/19 9/25	Carson Motor Co C&R	3 kw elec motor generator plants; fwds catalogue.W
251310	9/26 Heineman-Pearson Co 10/3	To E.J.Simon	Re light weight generator of any frequency, which has been developed by Heineman, Pearson Company. W To Heineman Pearson Co--Reqt submit to Wash for test.9/26 E.J.Simon reports on aeroplane generator developed by Heineman, Pearson Co 10/3
251441	9/26	J. B. Lunsford, Asst Inspt	Reports several radio generators for Copely Mfg Co held in storage after being passed by Inspector; submits report in detail.W
251845	9/28	J B Lunsford Inspr Crocker Wheeler Co	Fwds copy of letter to Triumph Elec Co and reports on unsatisfactory punching which will cause air gap trouble.W
252474	10/1	J. B. Lunsford wdirks	Reports on acceptance of material below usual standards at Crocker, Wheeler Co, which would have been rejected under normal conditions.W

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GEN SETS; MOTOR; RADIO.

Number.	Date.	From or To—	Subject.
245160	8/22	To Crocker Wheeler Co	Directs make prelim plans of 1/2 K.W. motor generators. Will shortly issue reqn for. W Co comments 8/24
245407	8/22	GE shipping reports from company 9/24	Motor gen sets for outfits being furnished Fed Tel Co; request permission to make partial deliveries of.W To--Ask how long shipt will be delayed.8/24 GE switchboards, contracts 15 and 735, shipped Aug 29 9/21 To GE--Reqt reply.9/22 GE boards with instruments were shipped Aug 29; have not yet received shipping
245621	8/24	To Wash	Gas Engine driven Radio Generator. Instrns re test of W
245828	8/12	Isko Sales Co	Matthews generating unit; calls attention to special features and introduces Mr. Shartle of the Waterlite Power & Engineering Co.W To--Ask where wish unit shipt.8/27
246152	8/22	M[1]s (Sweet)	Request early action on taking over of Neuland generating patents.W
246171	8/28	To Crocker Wheeler Co	Rotor and stator tolerances and tolerances of air gaps. Table of tolerances satis, with comment. W To-- Insp Crocker Wheeler--Fwds copy of above letter.10/27
247062	9/1	To GE Co	No objection to company quoting on Alexanderson type high frequency generators to French, Italian and English Govts. 793-8

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N.S.E. Form 134.

GEN SETS: MOTOR: RADIO 882 -- 3

Number.	Date.	From or To—	Subject.	
246200	8/28	To Crocker Wheeler Co	Modifies specns for motors, gen, etc., to extent that all futures shall be painted with good paint. W	
246410	7/23 8/82	Neuland Elec Co M Is	Proposal for government using the Neuland generator; relative to prices, license, etc. W	
247618	9/6	To Copley Mfg. Co	Reqt furnish Crocker Wheeler Company with data that is to go on nameplates so that company may stamp same. W	
247946	9/7	Crocker, Wheeler Co	Fwds copies of prints covering nameplate which they intend to use on various parts of apparatus. W To--Blueprints satis. 9/28	
248057	9/8	To Rowan Controller Co	Bu needs for starters taken care of. Can test starter in future as well as right now. W	
248574	9/10	Ward, Leonard Co	Request additional information relative to specifications for motor generators. W To--9/26	

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[OVER.]

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GEN. SETS; MOTOR: RADIO.

Number.	Date.	From or To—	Subject.	
243217	8/8	GE Co personal	Writes relative to the experiments on the high frequency alternator at New Brunswick plant.W	
243618	8/13	Crocker, Wheeler Co	Name plates for direct current driven motor generator sets; specifications do not provide space for serial number, type, class, etc.W To--Comments on.8/20	
243792	8/13	Triumph Elec Co	Fwds copy of letter to F. Lowenstein submitting instructions for covering method of assembling and disassembling to replace spare parts of the 2 AUS radio motor generators.W To Bost--Fwds instrns.9/5 To Yards--9/5	
243971	8/15	To Insp Crocker W heeler Co	Reqt list of tolerances which are permissable in diameters of the rotors of various sizes of laternator. W J.B.Lunsford submits tables showing rotor and stator diameter tolerances 8/24	
243973	8/15	To Elec Controller & Mfg. Co	Fwds copy of report submitted by Norf on tests of 5 H.W. hand and automatic motor starter. Gives action on. W To Norf--Fwds copy of above letter.8/21	

N.S.E. Form 134.

GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
244200	8/17	Crocker, Wheeler Co T	States AUS motor of ring oil set cannot be made interchangeable with ball bearing set.W
237068		CARD 28 order for Lighthouse Tenders 8/23 Lalley Corp request Bureau use influence with Copely Co to secure use of their engine by that concern 9/24 To lalley Corp--9/28 Laley Electro Light Corpn-10/2·	The Lalley Co states have shipped engine to Copely Mfg Co by express 8/15 Lalley Corp relative to cooperating with the Copely Co 8/15 Radio Test Shop submits report on 8/28 To Lalley Elec Co--Comments on tests.9/5 Lalley Elec Co request return of apparatus.9/11 To Wash--Fwds copy of above letter.9/14 Lalley Corp asks when they can expect
244472	8/17	Copely Mfg Co	Fwds copy of memorandum of instructions for operating chaser sets.W
244766	8/20	To Triumph Elec Co	Ask what consider to be nominal air gap, the allowable maximum percentage variation in air gap, etc. W Co 8/28 Co 9/5
245220	8/21	H-C Co	Motor generators for radio; request Bureau requirements as to drawings to be furnished with.W H-C Co request action 1 0/3
245266	8/22	Crocker, Wheeler Co	Fwds quotation on a 32 volt radio generator.W To--Assigns type number.9/1

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[OVER.]

GENERATING SETS: MOTOR RADIO.

Number.	Date.	From or To—	Subject.
241659	8/1	To Wireless Spec App Co	Fwds copy of report from Norf on automatic starter submitted by Monitor Controller Co. W
242456	8/6	Norf	Fwds report giving results of suitability test of 5 kw hand and automatic motor starters submitted by Elec Controller & Mfg Co.W
242551	8/6	Triumph Elec Co	Print relative to modifications to specifications; request further explanation.W To--8/11
242589	8/7	Richard Pfund	Asks if Bureau interested in purchase of new patterns of a light weight, 6-HP gasoline engine for various radio material.W To--No need of.8/9
242650		Inspr Crocker, Wheeler	Miscellaneous reports and correspondence on motor generators being built at Ampere, N.J; Copely contracts 628, 632 and 30039, Simon 670, Marconi 669, Bureau's 1196.DA (From Lt. Lavendar's personal file) J.B.Lunsford fwds list of radio generators, etc 8/20 Lunsford further report 8/21
242699	8/7	Crocker, Wheeler Co	Arc gaps on radio generators; relative to variation; fwds table on recommended.W

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GENERATING SETS: MOTOR: RADIO. 882 -- 3

Number.	Date.	From or To—	Subject.
242686	8/7	Crocker, Wheeler Co	Fwds suggestions and prints relative to change over to ball bearings on standard 2 kw radio motor generator.W To--Gives action on.8/21 Co 8/24
236855		CARD 28	NY fwds copy of letter from Ward, Leonard Co, enclosing alterations to sample starter 8/6
242826	8/6 8/8	GE Co GE	Terminal boards for arc motor generator sets on order for Fed Tel Co. Inspector states objectionable to insulate live terminals and stow in metal box.W To via Insp--Disapps reqt with comment.8/25 To GE--(T)Delivery of five sets urgent.8/17 To GE--Confirms telegram.8/20 To--Modifies letter of Aug. 14th.8/20
242964	8/9	S&A	Mica for radio condensers; asks if export license for and if granted requisition will be forwarded to Bureau.W To--Concurs.8/11
243274	8/9	GE	Alexanderson high frequency alternator; writes relative to a larger machine.W To--Will hold tests of.8/14 GE Co states no intention of removing 50 kw machine now located at New Brunswick Station of Marconi Co 8/16 To GE Co--8/20 To GE Co--10/1 GE Co 200 kw Alexanderson alternator to be ready for test Jan 1918 10/6
To GE Co--Reqt expedite completion of apparatus for New Brunswick.10/16			

NB—0120

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GENERATING SETS: MOTOR: RADIO.

Number.	Date.	From or To—	Subject.
239099	7/16	Marconi Co	Understands Crocker, Wheeler Co has increased size of terminal blocks used on motor generators for 1/2 kw sets.W To--Comments on.7/25 To Crocker Wheeler Cl--Fwds copy of letter from Marconi Co, with comment. 7/25 Marconi Co 8/7
239326	7/18	NY	H-C sample 2 kw radio motor generator; report of test; fwds.W To--Appvs recommendation.8/2
239350	7/12 7/12	Comdr Sweet, Retd M Is	Neuland generator; fwds summary of reports made by Expert Radio Aide Pratt.W To M.Is.--Comments on.9/5 M Is-submits recommendation and reports on further experimental work.W To M.Is.--Reqt detailed plan of development of single radio frequency alternator outfit.10/26
		M Is fwds details given with estimate of experimental high frequency alternator of the Neuland type 12-4	
236205	7/20	To Elec Spec Co	Directs ship special radio gen set to Wash for test. W To Wash--Instrns re test.7/20
239689	7/21	To Crocker Wheeler Co	Reqt further report concerning requirements for field rheostats and motor fields for motor generators RE 13A 111D. W
240312	7/19	Inspr J B Lunsford	Fwds report on trip of inspection to the Triumph Elec Co's wks; reports in detail on their difficulty in manufacturing motor generators from Crocker, Wheeler design.W

N.S.E. Form 134.

882 -- 3;GENERATIONS SETS. MOTOR: RADIO

Number.	Date.	From or To—	Subject.	
28772	7-24	Crocker Wheeler Co.	Reqt confirmation of authority to omit shaft extensionon radio motor generators 5 kw sets:	629
28779	7-24	Copely Mfg Co/	Reqt telegraphics information if test of new engine Wash & NY satisfactory.	629
240733	7/26	Ward, Leonard Elec Co	Automatic starter for 1 and 2 kw motor generator, radio; states have changed to comply with specifications.W To--8/2	
240704	7/26	Crocker, Wheeler Co	Request confirmation of allowable variation in synchronous impedence and open circuit voltage of radio motor generator.W To--7/31	
240940	7/26	H - C Co	Request statement as to Bureau requirements for radio motor generatorsets in connection with increasing equipment.W To--Gives statement.8/1	
241003	7/25	Norf	5 kw ~~unit~~ hand and automatic starters submitted by Elec Controller Co; request be placed on Bureau's approved list when modifications listed have been accepted.W To--Reqt submit full report.8/3 Norf 8/8	
	To--Apprvs rec.8/21			
241729	7/31	Cutting & Washington	Reports on trying their special 500 cycle alternator on standard Navy 1/2kw set.W	

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GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
237536	7/9	Crocker, Wheeler Co	Relative to permissible limits of open circuit, full field voltage of radio generators.W To—8/3
237608	7-9	Norf	Automatic motor ~~style~~ starter radio; award Leonard Elec Co, type not satis. rec that supply by Monitor Controller Co be placed on separate list.W To Norf—Reqt report on starter.7/20 Norf automatic motor starters; fwds report 7/23
237715	7/9	Crocker, Wheeler Co	Request authority to increase overall length of 1 kw radio motor generator sets to 27-1/4".W To—Appvs reqt.7/13 To H-C Co—Gives action taken in connection with Crocker Wheeler's letter.7/13
237714	7/9	Crocker, Wheeler Co	Request confirmation of understanding that 5 kw induction motor generator sets of 4 bearing construction will be acceptable .W To—7/21
237677	7/10	To Crocker Wheeler Co	T Modifies specns RE13A 111A, in connection with motor field rheostat. W
237909	7/10	Elec Controller Co	Reporrts shipping from Norf for test E·C.& M. automatic motor starter for 5 kwset; fwds print.W
237921	7/11	Crocker, Wheeler Co	Request confirmation of their understanding of specifications RE13-A111-A, relative to regulating motor speed.W

N.S.E. Form 134.

GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
238005	7/11	Marconi Co	States Shedd Elec Co has developed a 1/4 HP vertical motor, suitable for Navy type rotary gaps; request test at Phila.W To—A uth ship motor to Phila for test.7/17 To Phila—Instrns.7/17 Phila quotes letter to Marconi reporting on test of 7/28 Marconi Co request copy of report 7/27
	To—Gives action.8/2		
237855	7/10	To Triumph Mfg. Co	Directs extend all facilities possible to Mr. J.B.Lunsford, insp at Crocker Wheeler when he calls at works. W
237841	7/12	To S&A	Reqt shipt of motor gen from Goodyear Co to De Forest Co. W
238338	7/13	To Copley Mfg. Co	Ask if spare ball bearings for 1/2 K.W. engine driven motor generators are included with rest of spare parts furnished by Crocker Wheeler Co. W To—Reqt reply.7/27 Copely Mfg Co 7/28
238593	7/13	Norf	2 kw motor starter; fwds report on result of suitability test of, furnished by Elec Controller Co.W
238895	7/16	De Forest Co	Recommends Elec Supply Co be given opportunity to submit a 1/2 kw gen set for test.W To—7/20

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[OVER.]

GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
236159	6/28	Triumph Elec Co	Reports receipt of order from K&C Co for radio motor generator sets, in connection with schedule 1213-1/2; request copy of above schedule.W To—Quotes from schedule covering.7/3
236179	6/29	Monitor Controller Co	Reports shipping starter for 1 kw set to Ports for test.W To—8/3
236326	6/30	Triumph Elec Co	Reports receipt of orders for 75 2 kw motor generator sets from Lowenstein and 50 Clark & Kilbourne; states that delivery dates are shorter than they can comply with .W To—Comments on.7/5 Co 7/9
236407	6/30	De Forest Co	Offers 5 1-kw motor generators.W
236527	7/2	Compensation Board VOID	Fwds copies of plant orders for material for which full payment is requested by contractors; applies to Destroyers 79 to 86; Board requests general ruling on orders of this class.N&S
236525	6/26	De Forest Co	Request that motor generator set be returned to them from Akron; states was loaned to Test Shop, Washington, for test purposes.W To Akron via Pitts—Shipt reqted.7/7 Supt Constr Akron request copy of bill of lading 7/10
236855	7-2	Ward-Leonard Co	Reqt report of test on their automatic starter and that firm be placed on acceptable list.W Wireless Spec Co reqt auth to use Ward-Leonard motor starter.7/2 To NY—Reqt report on Ward Leonard starter.7/7 To Norf—D ittto. 7/7 To—Gives action being taken.7/7

Fwd Wash—7/19

To Wireless Spec App Co—Are reqting reports on Ward Leonard starter from yards before auth use of.7/7
NY fwds report of test on sample starter submitted by Ward, Leonard Co 7/20 To NY—7/25

CARD 3

NB—6120

N.S.E. Form 134.

882-3 GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
236872	7-3	Elec Controller Co	one and two kw automatice motor starters.W and controlling apparatus for radio panel; fwds b/p and reqt appointmet for July 5th.W
236988	7/5	H- C Co T	States shipping one kw radio motor generator set to NY for test.W
236989	7/5	Cutting & Washington T	6 volt set should arrive Washington July 9th.W
237068	6/21	Lalley Electro-Lighting Corp (Personal)	Request orders for his oil driven gen sets for radio use.W
	To Wash—Directs comparative tests between Copely and Lally gasoline sets. 8/2		To—Comments on.7/6
	To War Dept—Reports from Yard are that Lalley engine is satis.8/14		Lalley Electro-Lighting Co 7/21 Co 7/28 To—8/2. ~~Request return of apparatus.9/11~~
237236	7/7	To Crocker Wheeler Co	Fwds add'l sheets of specns covering motor generators for use with 1,2, 5 and 10 K.W. trans. W
237397	7/5	Bath Iron Wks VOID	Asks if steel foundry at Bost Yd is available for making castings in case of emergency for shipbuilders.A
237397	7/6	Elec Controller & Mfg Co	Name plates for automatic starters; fwds sketch and requests criticisms.W

CARD 32

NB—6129

[OVER.]

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GENE. SETS. MOTOR.

Number.	Date.	From or To—	Subject.
232366 To H-C Co--7/6	6/7	To NY	Manuf of Navy Type 500 cycle generator by H-C Co. Reqt recommendations as to drawings to turn over to H-C Co to work by. W To H-C Co--Fwds specns for 1/2 K.W. Motor boat radio sets, with comment.6/7 Holzer-Cabot Co confirms understanding rel inductor motor generators for radio work. 6/19
232592	5-7	Triumph Elec Co	Reqt additional copies of specification for Motor generating sets.W
232773	6/8	NY	Fwds copy of telegram from M Is, requesting shipment of a 2 kw motor generator; states being used in radio laboratory; will handicap work if shipped.W To S&A--Reqt shipt of motor generator from NY to M.Is. 6/13 To NY--Gives action.6/13
232518	6/8	To S&A	Reqt shipt of motor generator from Wash to Inspr, Akron. W
232854	6/9	H- C Co	Radio motor generators, spares for; request instructions re furnishing.W To--Comments on.6/21
232991 To--Comments on.7/6 Co 7/16	6/9	H - C Co	Asks if 300 volts open circuit is intended to be minimum; states higher voltage permissible.W To--Comments on.6/13 H-C Co 6/21
233436	6/12	Crocker, WheelerCo	Request confirmation of instructions to Mr Clark to ship 1/2 kw motor generator sets which were high and synchronous impedence.W To--Comments on.6/20

Co reqst confirmation of maximum impedence approved by Bureau 6/25 To--6/29

NB--0120

N.S.E. Form 134.

GENERATING SETS, MOTOR 882 -- 3

Number.	Date.	From or To—	Subject.
233542	6/13	To NY To--Gives action.8/1	Protection of field of radio generators. Reqt full report on best method for. W NY 7/6 To NY--Detailed comments on.7/20 NY submits estimates and statesprotection proposes by Elec Controller Co best 7/27 NY 8/28
234012	6/16	To Crocker Wheeler Co	1/2 DE 1500 Generator. Reqt certain test curves be obtained and fwded to Bu. W Co states made test and fwds sheets showing 7/7
234685	6/20	Clark & Kilbourne Co	States Triumph Elec Co reports not in position to accept orders for motor generators; request Bureau's assistance.W To Triumph Elec Co--Fwds copy of above letter.6/22 Triumph Elec Co 6/26
235259	6/25	Cutting & Washington T	Crocker, Wheeler Co state they are still holding machines for Naval proving of impedence; request be expedited.W To Crocker Wheeler Co--(T) Instrms.6/25 To--(T) Ditto. 6/25
235592	6-25	Triumph Elec Co	Bearing metal for motor generator sets; reqt permission to use their standard.W Co corrects letter of 25th, relative to bearing metal 6/26 To--Comments on.6/29 Co will adhere to dimensions and sizes of bearings provided by Crocker-Wheeler 7/2
235935	6/28	Crocker, Wheeler Co it	Request information whether or not ball bearings are to be changed and if so when it will be effective; states desires to anticipate orders for 2 and 5 kw machines and request that information be expedited.W To--Gives information reqtd.7/6 Co relative to changing 1/2, 1, 2 and 5 kw machines to ball bearing type .W

NB—0120

[OVER.]

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GEN SETS: MOTOR.

Number.	Date.	From or To—	Subject.
		To Phila--Reqt certain recommendations.8/2	To Phila--Fwds blueprint reqted.8/13
230132	5-23	Elec Controller Co	Development of pole contactors for radio set;prints;and reqt test at Phila. W
		Phila fwds report on Elec Controller Mfg Co's double pole contactor switch 7/17	To Phila--Reqt report on.6/7 To--6/9 Phila 8/8 Phila recommendations 8/28
230133	5-23	Elec Controller Co	Automatic motor starter for 2 kw wireless set; fwds print and reqt test.W
			To Norf--Reqt report on.6/7 Norf report will be forwarded June 15th 6/13 Norf 6/9
230180	5/25	H-C Co T	Have started construction of 1 kw motor generator; expect to finish 3 or 4 weeks. W
230780	5/28	To Westinghouse E&M Co	Fwds portions of specns relating to power apparatus. W
230989	5/29	To Crocker Wheeler Co	Lists specns for radio apparatus, which have already been fwded. Have placed name on mailing list for. W
231322	6/1	H-C Co T	Sample two K W motor generator - will ship June 4th

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GEN SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
231552	6/1	NY	Fwds forms recommended for recording description and test data on radio motor generators and loading inductances.W
231425	6/1	To Crocker Wheeler Co	1/2 K.W. radio motor generators. Re speed of 2500 R.P.M., and conditions under which can run this speed. W Co relative to permissible speed variation of half kw radio motor generators 6/5
231681	6/2	Elec Controller & Mfg Co	Automatic starter for 2 kw sets on schedule 1213-1/2; request written approval of their type·W
231831	6/4	H-C Co T	Have shipped sample 2 kw radio motor generator to NY for test.W
231871	5-31 automatic	Elec Controller Mfg Co starters from specns 6/1	Reqt further information regarding hand starters.W To--Gives infor reqted.6/4 Co gives ~~delivered~~ differencies in their
23224	6/6	Crocker, Wheeler Co	Gives contemplated shipment dates of half kw motor generators for Sperry motor boat sets.W
232350	6/6	NY	Fwds prints showing diagram for ~~cutting~~ connecting either an auto of hand starter to motor generator sets to 2 kw sets.W
232549	6/8	H-C Co T	2 kw motor generator test; test successful.W

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[OVER.]

GEN SETS: MOTOR.

Number.	Date.	From or To—	Subject.
226307	5/2	NY	Fwds drawings of 1/2 KW motor generator H-C type W
226824	5/6	NY	Industrial Controller gives motor starters - recommends be placed on private list for radio work after certain alterations have been made W To--Comments on.5/10
226554	5/7	To Yards & Stations	Distant control generating systems.Comments re structure of machines which are ready for delivery, and comments re normal operation of machines. W
Bu 14	5/7	To S&A	Generating sets and spare parts. Rec re award.LR
227119	5/8	F. Lowenstein	Relative to time of delivery required by Crocker, Wheeler Co for motor generators.W
227075	5/8	To Sperry Co	Reqt enter negotations with Crocker Wheeler Co with view to furnishing that Co an aero fan, urgently needed. W The Sperry Co will expedite completion of material upon receipt of information from Crocker-Wheeler 5/9

N.S.E. Form 134.

GEN SETS: MOTOR. 882----3

Number.	Date.	From or To—	Subject.
227307	5/9	To Aero Sta	500 cycle radio alternator, re test desired.W
228140	5/11	Norf	Lowenstein motor gen sets, cont 26585; relative to discrepancy between Bu's figures and those reported in telephone conversation.W
228333	5/14	Crocker, Wheeler Co	Fwds copy of letter from W.B.Taylor, asking for catalogue of radio apparatus.W To--Acknowledges.5/21 To Nav Intell--Fwds copy of letter from company. 5/21 RB 5-24
229080	5-18	Crocker-Wheeler Co	Gives probable date to make shipment of radio generator machines on different contracts.W To--Acknowledges.5/21 To Copley Mfg. Co-- Submits informatation re deliveries promised by Crocker Wheeler Company. 5/21
228957	5/18	To Monitor Controller Co	Specns for radio transmitters delivered to company representative. W Monitor Controller Co - will submit sample starter Ports in a few days W
229401	5/19	NY	Half kw radio motor generators submitted by H-C Co; reports on test.W
23 0024	5/23	Elec Controller & Mfg Co	Double pole contactor; fwds sketch and request test.W
230023	5/23	ditto	Are submitting for test an automatic motor starter for 2 kw wireless sets, Norf Yd; fwds print and description.W

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[OVER.]

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GEN SETS: MOTOR.

Number.	Date.	From or To—	Subject.
224651	4/24	Crocker -Wheeler Co.	Triumph Co. have received order from Marconi Co. for generators W
224654	4/25 To--(T)5/5	M. Is	(R) Newland generator test will be repeated 4/26 - request certain stations "listen in" To--(T)4/25 M Is (R) request Bu Standards report result test 5/4
224688	4/24	Crocker Wheeler Co.	Schedule 75 - Fwds skech of proposed swithhing device W To--Returns sketch with comment. 5/7 To--Reqt diagrams be fwded.5/1 Co will send prints in few days 6/6
224684	4/24	Crocker - Wheeler Co NY Oct. 19	Reports on test of 1/2 K W submarine set operating on 150 volt line with signal line rheostat W To NY- Asks if line rheostats with 1/2KW Spark transmitters still needed 1 0-15
224733	4/25	Dubilier Condenser Co	Requests authority to divert condensers from Government contract to order from Radio Co without penalty for delay in Government delivery W To--Comments on.5/21 Co request ~~confirmation~~ permission to fill orders of radio companies that are urgent
224805	4-24	GE	Will undertake mfg of 10 20kw motor generators sets for Federal Co.W To-GE Co--Satis if spare parts are tested in one of last sets to be completed. 4/28
225010	4/26	Crocker, Wheeler Co	Fwds letter from Harry A. Green, requesting information as to their generator.W To Nav Com and Intell--Fwds copy of above letter.4/30 To--Acknowledges.4/30
224953	4/25	Walker Bros & Haviland	Rheostats manufactured by the National Elec Controller Co; states inspectors are rejecting same; request definite acceptance of this type.W To--Comments on.5/5

N.S.E. Form 134.

882 - 3 GEN SETS: MOTOR.

Number.	Date.	From or To—	Subject.
225635	4/30	Chloride Silver Dry Cell Battery Co.	Rept inform and specification covering cells for radio instruments.W To--Comments on.5/10
225735	5/1	To Thos Edison	Bu is in urgent need of 5 K.W. radio motor generator loaned to Mr. Edison, and shipt of has been reqted to Navy Yard. W Thos Edison; will ship to NY May 3.5/2 To-- Acknowledges.5/7
225709	4/30	NY	Holtzer-Cabot 1/2 kw radio generator; reports on test.W
225877	5/1 To--5/9 To--Gives action on tele of 9.5/10 T	M R Hutchison	A and B storage batteries for audion work; request certain information before proceeding to design.W M R Hutchison (T) asks if placing batteries in separate boxes is agreeable to Bureau 5/9 M R Hutchison request action 5/8
225878	?	Chloride of Silver Dry Cell Battery Co	Asks reasons for discontinuing use of their cells.W To--Comments on.5/10
225918	5/2	Holtzer Cabot Co. T	NY report forwarded 5/18 5/22 Ask if 1/2 KW radio generater satisfactory W To--(T)Gives action. 5/2
		To Wireless Spec Ap Co--(T)Appvs H-C Co set if supplied with suitable 9 wire terminal block. 5/17 To--(T) Gives action.5/17	H-C Co request action 5/9 To--(T)Will fwd report on modif on May 14.5/10 To NY--Fwds copies of telegrams.5/18
225419	5/2	To Yards Com Supts	Protection for arc radio motor generators. Directs place metal railing around generator and sign placed, warning not to touch generator frame, where generator is insulated from base. W

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[OVER.]

GEN SETS: MOTOR. 1917

Number.	Date.	From or To—	Subject.
222957	4/12	Crocker, Wheeler Co	Have received order from Marconi Co for 100 radio generators; understood Triumph Elec Co to manf.W To--Comments on.4/15
223040	4/12	Crocker, Wheeler Co	(Personal) Relative to order for 75 sets with Cutting & Washington, Copely Mfg Co.W
222893	4/7	Crocker, Wheeler Co	Relative to holding up order for 50 generators for spare equipment on account of change in design.W
223248	4/6	Meirowsky Bros	Mica for condensers Asks requirements. To--4/28
223183	4-4	CO	Reports on leaky boiler.Y
223294	4/12	Crocker, Wheeler Co.	Motor Generators. 4 letters Status of orders for
223611	4-18 To--Reqt 4/21	Crocker Wheeler Co quotations on spares. Crocker, Wheeler Co quotes price	Submits resistence generators and spares for 1/2 kw sets in store.W Co lists apparatus on hand ordered by the Royal Danish Navy; unable to ship 4/18 for 2 extra sets 5/10
223658	4/18	Crocker, Wheeler Co	Specifications under Title D, power unit; relative to variation voltage, etc, of generators.W Co corrects previous letter 4/18 To--Gives interpretation of specns.5/1

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882-3 GEN SETS: MOTOR.

Number.	Date.	From or To—	Subject.
223 604	4-18	Crocker Wheeler Co.	Request inspection of Free voltage motor generators. W To--4/28
223783	4/20	M Is T	Neuland high frequency generator; test commences 21st; recommendations relative to.W To--(T) No test heard. 4/21
223948	4/20 Fwd S&A--5/1	GE Co	Will rush order for motor generators; expect to deliver ten sets within three months; request confirmation of verbal order.W To Dept via S&A--Reqt auth to expedite delivery arc radio sets. 4/24 RB 4-28
223951	4/20 To--(T) Gives action taken.4/27 To Nat'l Elec Sup Co--Gives action taken.5/1 To--5/24	Copely Manf'g Co	Change in price due to modification in sets. W National Elec Co Supply Co. fwdscopy of letter to Copely Mfg Co.4/26
223958	4/20	Crocker Wheeler Co.	Mr. Lowenstein requests information as to whether he shall place order for motor generator alternators with Triumph Elect. Co. or Crocker Wheeler Co. W To F. Lowenstein--Directs place with Cocker Wheeler Co. 4/23 To--4/23
224 053	4/20	De Forest Co	Have information from M R Hutchison that they can deliver 30 type W, 42 cell design B batteries in 25 days.W
224351	4/23	To Ward Leonard Elec Co	Comments re criticisms of company relative to resistances of sets. Comments on requirements.

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GEN SETS; MOTORS.

Number.	Date.	From or To—	Subject.
221633	4-7	Crocker Wheeler Co	Radio generators; fwds radio generator stock sheet form marked showing shop orders already issued in anticipation of Navy reuirements.W Co have received revised order from the Copely Co requesting Cutting & Washington rush their order 4/9 To--Detailed comments on.4/13 Crocker Wheeler Co. Submits statement. 4/11
221760	4-6	Triumph Elec Co.	Copy of letter to Crocker Wheeler Co. relative to manufacturing generators under their plans and patents.W.
221821	4-9	Copeley Mfg Co	Power plants for radio outfits; recommends be fitted with suitable speedometers.W To--(T) Speedometers requd. 4/11
221215	3-28	Norf	Holtzer Cabot Co. radio motor generators; fwds plans.W
222000	4-9	Delco-Light Products	Calls attention to their single unit generating plant. W. To-Home Elec Light & Power Equip Co--Comments on usefullness of sets.4/12
222230	4-9	Crocker Wheeler Co	Status of orders for motorgenerators.W.
222232	4-10	Lowenstein, F T	Triumph Elec Co. representative has not visited works; have telegraphed order.
222658	4/14	Crocker, Wheeler Co Crocker, Wheeler Co confirms deliveries promised 4/16	Will ship 1 kw chaser radio alternator single frame 1500 revolution June 14th, 5 more machines 10 days later; part of order to Marconi req 13.W

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GEN SETS: MOTORS. 882-3

Number.	Date.	From or To—	Subject.
222241	4-11	Lowenstein, F T	Quotes telegram from Triumph Elec Co. stating are proceeding with orders for motor generators. W
222345	4-11	H-C Co	Motor generators; request dimensions of 1 kw be changed. W To--Will be changed. 4/14
222432	4-11	Phila	States generator and transformer furnished for MINNESOTA has different constants; request these undesireable points be avoided in future. W
Phone	4/4	NY	Re test of 1/2 K.W. motor generator to be submitted by H-C Co.
222488	4-13	Crocker Wheeler Co	2 letters; statement of orders received for motor generators. W To--Comments on. 4/17 To Nav Communications. 4/17
222585	4-9	Crocker Wheeler Co	Have guaranteed Triumph Co. order for 30 generators. W. Co fwds copy of letter from Triumph Co, accepting terms under additionals 5/9
222878	4/14	Crocker, Wheeler Co	Are ordering 30 machines from Copely MfgCo. W

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GEN SETS: MOTOR.

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Number.	Date.	From or To—	Subject.
220645	3-31	Crocker Wheeler Co T	personal; reports shipping N ational Elec Supply Co. 1/2 kw motor generator by express.W
220721	4-2	Crocker Wheeler Co	1/2 kw generators; quotes price on 4 sets without rheostat and stater; also status of machines contract 24605 and 26106; estimate for changing loading element on generator field sets already ordered.W. Co explains apparent discrepancy in prices 6/2 Dwd NY--4/11 RB 5-11 To NY--Redt return of papers.4/21 To NY--Redt return of papers.5/9 To--Re increase in bid.5/19
Bu 351	4/2	To Western Elec Co	Directs change order with Crocker Wheeler Co, so as to call for a two winding machine with separate fields and field rheostats. R
220828	4-2	H-C Co. T	Sample 1/2 radio motor generator ready for test.W. To--(T)Instrns re shipt.4/3 H&C Co. Motor generator shipped 4/13 -4/21 W
220270	3-27	Telephone Crocker Wheeler Co	Relative to motor generators; and allowing another company to manufacture under their plans.W.
221011	4-2	Mechanical Appliance Co	Unable to bid on 500 cycle motor generator.W
221083	3-3	Crocker Wheeler Co	Copy of letter to Triumph Elec Co giving conditions under which that company is to manufacture motor generators for navy during war with Germany using Crocker Wheeler design.

N.S.E. Form 134.

GEN SETS: MOTOR 882 -- 3

Number.	Date.	From or To—	Subject.	
221328	4/6	Crocker-Wheeler Co	States would be glad to furnish the Dept the names and addressed of people desiring to buy their apparatus.W To--Acknowledges.4/10	
221572	?	GE Co	Direct current generators for radio; calls attention omission in specns.W. To--4/16	
221589	4-7	Copely Mfg Co	Request sample of power plant, Wash Yd be returned to Crocker Wheeler Co, Newark Office.W. To Wash--Instrns re shipt. 4/16	
221598	4-6	Crocker Wheeler Co	Cannot guarantee their generators for radio use when driven by gasoline engines.W. To--Comments on.4/16	
221699	4-7	Crocker Wheeler Co	Motor generators; submits list of all unfilled orders for Navy.W.	
221632	4-7 Co copy of letter to Wireless Spec Co relative to credit 4/11	Crocker Wheeler Co	Submits list of contract numbers and contractors who have ordered motor generators to apply to Gott orders and manufacturers held up pending establishment of credit.W.	
221631	4-7	Crocker Wheeler Co	Offers to mfg at their own risk a good supply of different sizes radio motor generators subject to Bu order if required.W.	

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GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
218408	3/15	Holtzer-Cabot Co	Generators for radio use; gives description of those manufactured .W To--Lists characteristics in standardizing motor generators. 3/19
218657	3/19	To American R&R Co T	Bu desires Crocker Wheeler generator in accordance with company's alternative proposition. Speed must be 2500. W
219109	3/22	To Crocker Wheeler Co	Reqt manuf of motor generators for 135 1/2 K.W. sets be started immediately. Comments on requirements. W Co will supply entire 150 sets of ball bearing type 3/23
219261	3-22 Fwd NY--5/1 RB 5-25 Norf estimate 8/11	Norf	Motor generators,etc. received from NY; estimate for repairs.W To--Reqt further information.3/30 Norf gives information on items 29,9,42 and 34 4/27 W
219372	3-23	Crocker Wheeler Co	States motor generator name plate does not allow any space for showing impedence. W To--Instrns.3/28
219382	3-22	NY	Connection for motor gene ators; fwds plan of both automatic and handstarting. W
219433	3/24	To GE T	Lt Hooper and Radio Aid Clark will visit GE Co, Monday forenoon. W

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GENERATING SETS: MOTOR. 882-3

Number.	Date.	From or To—	Subject.
219842	2-21	HpC Co.	Motor generators for 1/2 kw sets; gives reasons why they are competent to supply; Rerd Wr 2-28 stating only satis motor generators have been obtaned from Crocker Wheeler Co. RB recommends considering other than the Crocker wheeler make. 3-24 To--Comments on machines. 3/29 H-C Co request reply 5/16
220119	3-26	Dale, Rey Corp	Relative to generating set to be submitted by Copeley Mfg Co. in connection with DeForect contract for airplane sets.W. To--Comments on.4/4
220159	3-29	Copely Mfg Co	Reports shipping motor generator from Crocker Wheeler for test to be used in connection Sperry Co contract.W. Fwd Wash--4/3 RB 4-10 To--Generator will be retd to Crocker wheeler Co. 4/11
220392	3-30 Co have Triumph	Crocker Wheeler Co furnished data to Co 4/5	Motor generators for radio purposes; protests against proposed arrangement for furnishing CE with their designs and specns; gives competitor unfair advantage.W. To--Directs transfer drawings, etc. to Triumph Elec Co. 4/2
220527 VOID	3-31	Bath	Protective plates for elec cables; plan.
220611	3-19	Cutting & Washington	Proposes to submit Crocker Wheeler generator with their sample set.W. To--Satis.4/3
220592	3-31	Copely Co	Reports forwarding generator to Washn by express for test.W.

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GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
212864	1-29	Crocker Wheeler Co Permission	Request permission for representative to visit Tuckerton station in connection with examination high frequency generator.W To Tuckerton--2/3 To--No objections. 2/3
213331	1/29 1/31	E. F. Dunne Dept	Fwds data on motor generator patented by V. C. Goodridge.W&L To--Comments on. 2/3 (Sec Sig)
213514	2-5	Walker Bros & Haviland	(T) Industrial Controller Co doubled capacity for manufacturing radio starting equipment; will call Feb 6. W
214426	M	Clark, GH	Domestic Enginering Co; gasoline engine and generators; for radio equipment; light hou es, fog horn warning sets,etc. Re difficulty in locating Washn representatives,etc.W
214890	2-15	Crocker Wheeler Co	Request confirmation of use of waived wound armatures in lieu of lap wound on interpole machines.W To-- 2/23
215006	2-16	Edison, Thomas A T	Request NY Yard loan 5 kw motor generator set.W To NY--Auth temporary loan of. 2/16 (T) To--(T) Loan auth. 2/16

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GENERATING SETS: MOTOR. 882 -- 3

Number.	Date.	From or To—	Subject.
M.Is.411	2/17	To Cutler Hammer Co To H-c Co. 2/19	Rec do not bid on motor generators of 500 cycle as have never supplied any in past. WR Fwd NY--3/1 To H-C Co--3/7
215296	2/19	To Marconi Co	Reqt quotations on 9 additional motor generators with spares, to be duplicates of those being supplied on contract 28772. W Marconi Co will send quotation early date 2/20 Marconi Co quotes price 3/5 To Crocker Wheeler Co--Lists generators and reqts price. 3/19
Bost 41	2/19	To Bost	Have disappvd reqn for one motor generator for use in radio laboratory. Lists material will appvd reqn for. WR
216537	3-2	Ophuls, Hill and McCreery	Motor generators; can furnish 1/2, 1 and 2 kw direct connected to small gasoline eng. W To--Fwds blue prints specns. 3/29
217287	3-8	Crocker Wheeler Co	Motor generators for submarine chasers; asks if machine is to be tested at full load for one half hour in connection with intermittent rating. W
218028	3-12	Elec Spec Co	Notes approval of their generators for airplane and dirigible sets; fails to see how their insulation of larger sets can be so inferior to Crocker Wheeler machines. W To--Comments on. 3/20 Co further data 3/21
218263	3-14	H-C Co	2 kw motor generators; asks if any objection to speed less than 2000 rpm. W. To--Comments on. 3/19

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[OVER.]

GENERATING SETS: MOTOR

Number.	Date.	From or To—	Subject.
205274	11/11	To GE Co	Ask whether Alexanderson Radio high Frequency Alternator sufficiently developed to take an order for a set for Arlington, 175 amperes in the antenna . W G E Co unable to state whsn ready 12/9
205874	11-16	At Flt	Generators for arc sets; fwds report on re-adjustment of seres field to prevent generator reversing while trahsmitting on arc.W
207322	12/5	To Wireless Spec Apparatus Co.	Acknowledges receipt of catalogue of direct current eng and generator for ships having no elec power. W
207723	12-5	Crocker Wheeler Co	Motor generators for 5 kw sets; non on direct contract with Bureau; fwds test curves showing machines meets impedance called for by spcns. W
207979	To--Acknowledges letter 13th. 1/23 12-8	Firth, John	JH Hallberg Co. directed-connected engine outfit for radio will be demonstrated on White House lawn. W
	Firth states Mr. Hallberg reports that forwarding set to the Bu of commercial economics chargeable Holley in Washington 1/13		To--Acknowledges letter with comment. 12/26 Mr Firth will reply in a few days 1/12
208629	12-5	M.Is	30 kw arc sets; cont 784; report on heat test of armature field spools show excessive rise.W To-- Concurs w th. 1/3 To Fed Tele Co--Gives report of M.Is. 1/4

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GENERATING SETS: MOTOR. 882-3

Number.	Date.	From or To—	Subject.
209145	12-19	Crocker Wheeler Co	5k3 motor generator sets; offers to furnish2 eye bolts for each set.W
209305	12-20	Crocker Wheeler Co	Motor generators being supplied for 5 kw machine for Norf, Lowenstein Contract; request telegraphic approval.W To--Have notified Lowenstein. 12/22
209573	12-22	Crocker Wheeler Co	Motor generators; windings of D-C motors lap or multiple.W
			1917
210507	1-4	Crocker Wheeler Co	Moto generators for arc aradio sets; efficiency given will check up if high potential test is kept at 5000 volts.W
210583	1-4	NY	Motor generator and starter controller for radio motors; fwds prints of experimental; will install controller on ship for practical working test.W To--Gives action. 1/12
211012	1-8	NY	1-kw crocker wheeler generators; Wireless Spec Co request test of; recommends either Norf or Bost make. W
211611	1/16	To S&A	Reqt shipt of one 50 H.P.Motor from Chasn to NY for disposition. W

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GENERATING SETS; MOTOR:

Number.	Date.	From or To—	Subject.	
199080	9-12	To Norf.	Specfns for inductor alternators, transformers, and reactances; directs changes be made in. 9/12 Norf 9-18	
199178	9-13	To E.J.Simon.	1/4 K.W. motor gen set for aeroplanes may be pur hased from H-C Co. W	
199274	9-14	TO H-C Co	Auth to furnish firms with aero radio motor generator	918
200326	9-26	Crocker Wheeler Co	T 1/2 kw specna call for 2000 RPM; standard 2500; asks if correct.W To--(T) Revised specfns will include 25 rpm for halves 9/27	
201091	To--Acknowledges letter 12/14 as satis. 2/1 To Bost--Instrns. 1/6 10/4 To Crocker Wheeler Co Co relative to resistances of conductors 11/23 Co construction of the audion pilot conductor apparatus not to be disclosed prior to issuing of patent 12/14		Crocker-Wheeler Co quotes prices 12/14 Reqt est for certain apparatus, and approx time of deliveryW To--Fwds copy of above letter. 10/12 To--Revised specns. Lists revision.10/30 To--Lists further modifi. 11/3 Crocker-W Co reqt reply to letter 12/14 1/29	
201239	10-5	Crocker Wheeler	Motor generators for radio; recommends that bids be postponed.W To--Will not postpone unless to the advantage of Bu. 10/11	
203367	10-12 To NY-- Reqt copy of. 3/1 NY have telegraphed M Is; reports on M Is 2 kw motor generator and transformer; former report 50% incomplete 3/5 NY report is being prepared at Wash Yd 3/7	M.Is	2 kw, 500 cycle motor generators; fwds plans, test report and description; has been delvd Supply Officer for shipment to NY for further test.W To NY--Ask when tests will be completed. Fwd copy of report to M.Is. and Bu. 10/27 NY will submit report Nov 10 10-31 To NY--(T) Reqt copy of report be fwded.2/28 NY fwds vandyke 3/14	

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GENERATING SETS; MOTORS. 882 -- 3

Number.	Date.	From or To—	Subject.
203403	10/24	To Crocker Wheeler Co.	Reqt test Columbia College possibility using same machine as filament and space current supply for 2 receivers using audions. Inform if separate filters necessary. W (T)
203715	10-17	M.Is	5 k3 motor gene ator; revised estimate for.W To via S&A--Appvs revision. 10/30
204015	10/30	To Crocker Wheeler Co.	Fwds sketch showing type of audion circuit which will be used with filter and motor generators. W
204931	11-8	Crocker Wheeler Co	Asks if satisfactory for them to file complete set of specns, curves, photographs, etc of motor generators being bid on by various firms under schedules 71, 72, 75, and 134.W To--Satis to Bu. 11/9 Co submits date on schedules 11-10 To--Acknowledges receipt of letter 10th. 11/13
198938	11-8	NY	Will complete print modifying motor generator in about month 876
204936	~~11-1~~ 11-8	Lowenstein, F NY	Specns for motor generators; request interpretation of certain paragraphs. W To NY--Explains. 11/10
205048	11-9	Crocker Wheeler Co	Submits probable dates shipment various motor generator se s due on orders from radio firms.W To--Comments on. In future must have guarantees of prompt delivery. 11/11

C-W Co. lists orders still unshipped 11-16
To--Acknowledges letter. 11/21
Co 1/2 kw sets finished; 5 kw to be shipped few days 12/1

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GENERATING SETS: MOTOR. 1916

Number.	Date.	From or To—	Subject.
191251	5-18	Sweet, Lt Comdr Personal	Relative to Neuland generator. W
191797	6-24	To John Firth.	Comments on drawings for "Dubiler condenser container casting" fwds Bu drawing of container casting for comment. W Firth are making special patterns 6-29 To--Reqt drawing of new container you propose to furnish. 7/1 John Firth will forward sample 7-5 To--Sample now required; reqt copy drawing. 7/6
193449	7-17	To Firms.	Reqt detailed statement as to the method recommended for the measurement of synchronous impedance of 500 cycle inductor type generators for radio work. W Westinghouse E&M Co 8/8 Marconi Co 8-15 H-C Co outlines method 7/19 Diehl Co 7/21 Crocker-Wheeler Co suggestions 8/1
193900	7/18	NY	Radio motor generators; rotating elements; unsatisfactory condition of ; submits estimate for altering.W To— Appvs. 7/22
194507	7-25	To Marconi Tel Co.	States alternators shall be of the inductor type and does not desire to revert to the revolving armature type. W
194773	7/20 7/26	Norf NY	Standardization of 500 cycle generator transformer circuits.W

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GENERATING SETS: MOTOR: RADIO. 882 -- 3

Number.	Date.	From or To—	Subject.
196501	8/11	Wash	Recommends loan of a 2 kw motor generator to the Supt of the Capitol Building and Grounds.W Supt Buildings & Grouns (E Woods) reqt loan of radio motor generaors 8-3 Fwd Dept rec appvl 8/22 RB appd 8/24 Fwd Dept inviting attention to other endorsement 8/22 To Washn. authorizes loan 8-28
197698	8/25	To Crocker- Wheeler Co	S&A has requested the NY and the San Fran POs to take up details of supplementary contract with them.W
198521	9/6	Crocker, Wheeler C o	Motor generator; states can meet temperature rises called for in revised specifications.W
198522	9/6	ditto	Quotes price on a standard Navy type motor generator set for radio.W
198523	9/6	ditto	Generators for radio sets; gives dimensions of various sizes from 1 to 10 kw.W
198557	8/25	M Is	Reports on development of Neuland generator.W To--Ack receipt of.9/13
198652	9/1	Nikola Tesla	Fwds photographs of his generator for delivering alternating current ofconstant frequency.W Nikola Tesla reqt conference 9-13 To--Offers to test out machine. 9/12 To--Suggets testing at Wash. 9/15 Tesla will test at Wash. 9/17 Tesla reqt one of the experts be sent to examine 9-24 Tesla will Mr.Clark. 9/26 To--Calrk will visit on Friday.9/25

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[OVER.]

GENERATING SETS; MOTOR

1916

Number.	Date.	From or To—	Subject.	
183131	3-29	Crocker Wheeler Co	Motor generator sets; have received order from Lowenstein to apply to contract awarded him on schedule 9212; reqt decision on inerpole construction.W To--Matter now under consideration.3/31 Crocker Wheeler reqt decision 4-17 To--Gives suggestions. 4/24	
183132	3-29	Crocker Wheeler Co	Request date be set for demonstrating motor generator set for operating audion.W To--Bu will be pleased to witness demonostration of set. 3/31	
26028	4/19	To Fritz L owenstein To Crocker-Wheeler Co To NY	Waives certain requirements in design of motor generators	629
185664	4-27	To NY. S&A motor generator shipped June 16th 7/19 Fwd NY--8/2 RB 8/9 RB 10-21	2 K.W. 500-cycle turbo-generators for spares for radio sets; reqt yard prepare reqn calling for bids on. W To--Asks when reqn will be prepared.6/21 NY none; one from ARETHUSA posibly 6-20 To S&A--Reqt shipment be made. 6/30	
186239	4-28	Crocker Wheeler Co	Generators for ~~ma~~ current supply for DeForest audions. W To--Comments on; Bu does not desire to depart from present practice. 5/3 Crocker Wheeler Co 5-11 To--Comments on. 6/7	
187309	5-9	Walker Bros & Haviland	Motors for; radio starters for:W To--Comments on. 5/17	
187353	5-9	Norf	Submits estimate for motor generators, and transformers; To-- Appvs. 5/13 Norf fwds vandykes 6-2	

N.S.E. Form 134.

882 -- 3 GENERATING SETS; MOTOR;

Number.	Date.	From or To—	Subject.	
188127	5-18	To M.Is.	Inform Bu as to shipment of experimental 2-K.W. motor generators mentioned in par 2 of RM2A126A. W M.Is ready 6-1 5-26	
188274	5-18	To NY.	Asks if radio motor generator under contract 388 has been shipped to New Orelans. W	
188448	5-19	Crocker Wheeler Co	Schedules 9212, 9405, 9552; 10 page lette and argument to specify Crocker Wheeler motor generators when awards are made to radio contractors. W To--Comments on. 6/10	
188405	5-19	To S&A.	Reqt shipment 2 K.W. motor generator from Pug Sd to M.Is for disposition. W	
9405	5/19	Norf	Automatic starter submitted by Sundh Elec Co; reports on	706
188825	5-24	To Norf-M.Is.	Navy radio motor generator; defective bearing reported on CONYNGHAM; reqt comment on. W Norf fwds plans overcome difficulty in bearings 5-29 M.Is provisions for remedying defective bearings 6-6	
190403	6-8	GE	Radio generator and motors; comments on specns for 20 and 30 kw sets. W To-- Comments on. 6/19 To Fed Tel Co--Lists modi made in specfns to conform to suggestions of GE Co. 6/19	

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[OVER.]

GENERATING SETS: MOTOR:

Number.	Date.	From or To—	Subject.
171681	11-19	To M.Is.	Notes on disassembling of 5-K.W. motor generator should be supplied with each geneator of this type. W
172363	11-27	Norf	Motor generator and transformers; fwds special report on losses present 5 kw type.W To--Gives changes made in reqn 627 for. 2/8 Norf reqtn 627; shows items to be purchased and mfg under 2-12 To--Gives changes made in. 3/1
173987	12-8	Terry Steam Tur Co	Reqt specns for turbine end of turbo alternator for radio work.W
			1916
175869	1-10	Crocker Wheeler Co	Delaval turbine for generators for radio use; fwds data.W
178558	2-8	Norf	Reqt uard be assigned manufacturing of 5 kw motor generators and transformers.W To--Bu considers inadvisable; expedite completion of first set 5 K.W. sets. 2/19
178929	2-12	M.Is R	Norf motor generator report not recd. W
180450	2-29	Dayton Elec Mfg Co	Gives data on gen sets for radio work.W To--Fwds copy specfns covering. 3/7
180468	2-29	Norf	5 kw motor generators and transformers; assembly plans. W To--Appvs. 3/6

N.S.E. Form 134.

GENERATING SETS: MOTOR. 882-3

Number.	Date.	From or To—	Subject.
180894	3-6	Goodman, E.N.	Rqeust investigation of of a 2 kw 500 cycle motor generator for radio use.W Fwd NY--- 3/24 RB 5/1 To--Officers to test at Norf; take up with that Yard. 3/24
181340	3-10 To--Comments on. 5/19 To GE & Westinghouse--Reqt comment on specfs for radio motors. 4/18 GE Co 5-10 To Ge--5/19	Crocker Wheeler Co	Motors for radio; suggestions for.W To Norf--Reqt comments on. 3/11 RB 3/20 Fwd M.Is 3-21 RB 4/13 Westinghouse Co gives data 5-9 To Westinghouse--Ack receipt. 5/13
181369	3-11	Crocker Wheeler Co	Radio motor generators 20 kw; asks if are to be used for arc sets; request data. W Crocker Wheeler reqt action 3-20 To--Specfns covering will shortly be issued. 3/22
181531 Co (T) audion supply motor generator will be demonstrated at Columbia University 4/5	3-13	Crocker Wheeler Co T	Special motor generator set and auxiliary device for use in place of batteries for supplying current to DeForest audions; cont 184; reqt authority to demonstrate.W Company amplifies telegram 3-13 To--(T) Bu's representative will witness demonostration. 3/14 Crocker Wheeler asks date when representative will call 3-20 To--Will give two days notice. 3/22 To--Lt.Hooper will witness test. 4/1
182009	3-14	M.Is	Recommends assignment of 2 5 kw motor generators manufactured at Yard.W To--(R) Assignment authorized 4/8 To--Gives assignment. 4/10
182213	3-21	Crocker Wheeler Co	Radio motor generators; fwds book of photographs; calls attention to bid on schedule 9212.W Fwd M.Is--3/24 RB 4/8 To--Ack receipt of; reqt additional.3/25
9405	?	Simon, E. J.	Asks if closed radio transformer submitted for test NY is suitable for this schedule 706
182115	3-21	To M.Is.	Discrepancies between estimates and actual costs under job order 601V373/14. W M.Is explains discrepancies 4-6

GENERATING SETS: MOTOR.

1915

Number.	Date.	From or To—	Subject.	
158496	6-17	At. Com.Co.	New type high frequency generators installed at Sayville; agreeable to make arrgts for Navy to acquire license for mfg.W To--Will consider. 6/22	
161942	7/27	NY	Generator field coil; believes Yard can manufacture for less than quoted by Atlantic Communication Co.W Fwd LAMSON-Will be fwd to NY. 8/3	
162736	8-6	To GE Co.	Alexanderson high frequency alternator; will be pleased to make test of at Arlington in comparison with a 60 K.W. arc for use in trans-atlantic work.W GE Co not ready for test 8-27	
163216	8/12	To M Is	Reqs data as todisposition, etc of 12 motor gen and transformers mfr at M Is	876
163444	7-30	M.Is	Neuland generator; report on by Expert Elec Aide. W To 8/20	
163435	7-29	Moses, Lt. C.C. Personal	GE Co not yet ready for high frequency generators test at Arlington. W	
165054	8-24	Sweet, Lt.Comdr, GC	Reports on progress of Nowland generator.W	
166471	9/21	Norf	Motor generators and transformers; rec. Yard be allowed to manufacture and that shops be fitted to do work. W To--Instructions. 10/6 To--Asks probable date yard can undertake work outlined. 11/9	

N.S.E. Form 134.

GENERATING SETS: MOTOR. 882-3

Number.	Date.	From or To—	Subject.
166514	9/16	M.Is	Neuland generator: fwds photos of plans 500-cycle single-phase; compares dimensions with Navy Standard; reqt auth to construct one machine for test purposes. W
	To--(T)	Appvs est. 10/25	To Via Pac Ct Supt--Appvs est for with instructions. 9/24
			M.Is misundertstanding Bu approval; reqt app mg 500 cyl, 2 kw, single fase 10-4
			M Is (T) reqt action 10/22
167017	9-30	To M.Is.	Reqt Norf be furnished with set of avandykes of 5-K.W. radio-generator and trnasformer. W
167256	10-2	To NY.	Turbines under contract 12894; asks whether turbines are designed to operate on back pressure or vacuum. W
			NY either 10-9
168639	7-26-14	Hooper, Lt. S.E.	Repots on Alexanderson high frequency generator mfg by GE Co. and Generating plants at Savville, Tuckerton and Cooper Hewitt receiver.
8908	10/25	G E Co	Radio motor generator; re changes in specns 706
171298	11-15	Liebowitz, B	Arc oscillation generators; discrepancy in theory and measurements; suggests theory for measuing output. W
			Fwd Wash-- For comment. 11/19
171463	11/16	Norf	Manufacture of radio motor generators and transformers; submits estima te covering manufacture of dies, jigs, winding forms; also states an additional radio draftsman will be required. W
			To--Appvs. 11/20
			Norf 12-29

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[OVER.]

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GENERATING SETS. MOTOR.

Number.	Date.	From or To—		Subject.
145051	1-13	M.Is		Reqt braided cable,etc. from NY in connection with mfg. W Fwd S&A-- Reqt for shipment. 1/27
145855	1-28	NY	809-27	5 kw generator and transformer manufactured at Mare Island. Report of test. W
		To M.Is--Fwds further information for Sweet. 7/6/15		
147309	2-6	M.Is		Newland high frequency generator; fwds report on by Lt Comdr Sweet; revolutionizes Fwd Dept-- Comments on. 3/6 RB Sppd 3/17 To Heineman-Pearson Co--Re terms upon which Dept may enter into investigation of. 3/6
	To M.Is-(R) Sweet ordered M.Is.5/27 Fwd M.Is-- 4/9 RB 5/25 To Lieut Sweet Via Nav--Re investigation of. 4/9			
147671	2-17	H-C Co.		5 kw radio motor generators; reqt testof new type. W To-- Comments on. 2/24
148126	2-24	NY		Remodeled M.Is transformer; report of test on.W.
149052	2-26	M.Is	2359	Neuland generator; test report; fwds photo.
149646	3-8	M.Is		Motor generators and transformers; states delay in securing sheet steel, schedule 7778 will delay completion.W To-- Instructions. 3/17
149749	3/13	NY	1534-809	500 cycle GE dynamotor for use with quenched spark radio transmitter; report on test.W
150262	3-16	Heineman Pearson Co.		Neuland generator; suggested scheme for Bu manufacturing at M.Is under license. W To--Comments on proposed arrangment.4/9 Company outlines agreement to allow Navy to mfg under royalty 4-20
	To-- Comments on. 5/4			
151282	4-2	To Westinghouse Co.		Asks if it is practicable to supply a 220 volt,3-phase,60-cycles motor to replace same bedplate on sets under reqn 101. W Co. 4/8--~~Mfgd by Amer S G & V Co.~~ Gives speed.W Westinghouse quotes prices 4-16

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GENERATING SETS: MOTOR: RADIO. 882 -- 3

Number.	Date.	From or To—	Subject.
152430	4-9	M.Is	Motor generator originally assigned PRINCETON: estimate for repairs.Y To-- Appvs. 4/19
153066	4-19 4-22	Crocker Wheeler Co. S&A	Offers D-C spare armature for radio generator at reduced cost. W Fwd Yerba Buena-- For comment and rec. 4/29 S&A replies 5-3 RB 5/10
(See 154157-408-6)			To S&A--Have have fwd to for rec. 5/6 Fwd S&A-- 5/7 To Yerba Buena-(R)Reqt return corres. 5/7
Fwd S&A--Rec Co be notified that there is at present no need for.5/19			
153943	4-26	M.Is	Reports shipment of complete experimental motor generator to NY for test.W
154589	5-3	M.Is	Motor generator ex-PRINCETON: estimate for repairing for stock. W
154986	5-8	Sweet, Lt Comdr, G.C.Retd	Accepts and makes application for duty in connection with investigating Neuland generator.W Fwd Nav--Reqt orders be issued for this duty at Navy Yard Mare Island. 5/22
156386	5-26	M.Is 6671	2 kw, 500 cycle motor generator; submits estimate for developing.W To--Appvs; ship to NY for test with comment and rec. 6/5 To NY-- Fwds copy above. 6/5 To--Re type suitable for manuf. 6/22
M.Is will submit recom completion experiments with Neuland gen 8-26 To MIIs--Asks data completion. 10/25 M.Is gives data on completion 11-5			
158006	6-10	Pfund, R.	Offers 2 100,000 cycle Alexanderson generators.W To--Do not desire to purchase at this time. 6/16

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[OVER.]

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GENERATING SETS: MOTOR.

Number.	Date.	From or To—	Subject.
135372	9-19	M.Is 9931	Submits estimate for developing 5 kw motor and transformer. W.
	To NY--10/23 To M.Is-- 10/29		To-- Appvd with instructions. 10/3
	To M.Is-- 10/23		To NY-- Fwds copy above letter. 10/3
	M.Is corrects time required to mfg 10-N1 reports on prelim test 10-14 To M.Is--11/28		
135929	10-3	Chapin, C.C.	Device for producing elec oscillations from D-C current for radio use.W.
			To-- Comments. 10/9
135937	10-1	GE Co.	Offers high frequency motor generator for radio complete with transformer, rheostats, etc. for $20,000. Fwds print.D.
	10-3	Dept	To-- Comments. 10/9
137931	10-26	To NY	Test of 2-KW 500 cycle dynamotor; GE Co authorized to delivery to yard; reqt report on. W
139081	11-3	M.Is	Comparative cost for mfg of complete motor generator sets at yard with cost if commercial motors are supplied. W
			Fwd Dept--rec approval of estimates for mnf 11/11
			To-- Appvs. 11/13 M.Is reqt approval to mfg 24 5 kw motor generators 11-25
			Fwd S&A--Manuf authorized. 11/27 rb 12-4
140520	11-20	M.Is	Transformer; navy type; passed satis test; will ship NY for further tests. W.
140800	11-30	NY	Radio motor generators for 10 and 5 kw sets; submits estimates for manufacture, including racks, transformers, switches, insulators. (Cross to Receiving and Sencing Sets).
			To--Instructions. 12/5

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GEN SETS: MOTOR. 882-3

Number.	Date.	From or To—		Subject.
141891	12-11	M. Is	T	Estimate for transformers for use with their new type alternator. W. M. Is (T) corrects error in price 12-12 To--(T) Asks is number is correct. 12/12 To--(T) Estimates appvd; work on transformers to proceed. 12/26
142026	12-4	M. Is		Submits data on transformers designed for use inductor alternator designed at yard; reqt test at NY be expedited. W.
142577	12-12	M. Is		Special generators; reqt shipment of Bakelite insulating material from NY be expeidted. W Fwd S&A-- 12/23
142930	12-23	NY		Estimate for loading coal, self starters, etc. W Fwd Dept-- Rec appvl, 1/4 RE17 appd To--Appvs. 1/9
143126	12-18	M. Is	14000	Transmitting transformer; experimental; report on development, test, shipment, etc. To NY--Fwds report of test. 1/7 To--Auth to submit reqn for material when needed. 1/9
143255	12-28 12-29	M. Is S&A	T	Reqt authority from S&A to manufacture transformers for motor generators. S&A have auth by tel 12- 30 Fwd S&A-- 12/30
144508	1-7	M. Is	220	Submits list of insulating material, fibre insulators, etc. required from NY in connection with mfg of transformers, etc. W. Retd-- States error made in specifying material. 1/15
144565	12-30 1-11	Phila Washn		Reqt shipment of 110 volt motor gen set from Washn; Washn reqt authority to retain for experimental purposes. W. Fwd Wash--Ship to Phila when no longer needed. 1/14 Fwd Wash-- Auth shipment. 1/20

Phila 4-22 Wahn 4226 reqt shipt;
Washn objects to
Fwd Wash--Retain generator at Yd.5/10

1915

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[OVER.]

Number.	Date.	From or To—	Subject.	
114857	1/6	NY	Reports issue of material under contract 546, covering motor generators, etc	876
116896	2/5	To Washh.	Employment of Dr.Louis Cohen in connection with the development of a high-frequency generator. Instructions.W To---fwds copy of contract.2/25. To---reqst itemized statement of costs.7/6	
117525	2/12	To M.Is. & S&A	Radio motor generator (Diehl) reqt shipment from NY to M.Is. for ANNAPOLIS, Crocker-wheeler motor gen. should be held at M.Is.	117--6
118730	2-26	Holtzer Cabot Co	Are designing inductor type 500 cycle generator and motor generator for radio use; reqt suggestions re sizes. W To---gives information.3/2.	
19929	3/4	Wireless Imp.Co.	Motor generator sets; reqt be shipped to Wireless Co. for mounting of panels before delivery toNavy Yard; agrees to test without expense to Bu.	629
20476	3/3	Holtzer Cabot Co.	Motor generator for radio work; eliminated from Wireless Imp. Co. contract; first set under test, will make immediate shipment.	629
122451	4-13	Marconi Co	Motor generators; reqt outline of changes contemplated. D To---gives information.4/17	

N.S.E. Form 134.

GENERATING SETS: MOTOR. 882-3

Number.	Date.	From or To—		Subject.
123128	4/10	C.C.Chapin		Calls attention to his new design electrical vibrator for generating high frequency and high potential.W To--advices 4/23 Chapin 6/17.reqst action.W To---comments.6/30. Chapin further data 7-20
123350	4/25	G.H.Clark		Fwds translation of an article by Rein on an arc generator and means for producing a musical note.W
125403	?	C.C.Chapin		Fwds description of his invention relating to the production of high frequency from direct current.W
129793	7-13	Marconi Co.		Crocker Wheeler motor generators; are designing set: are in good position to make deliveries under ~~con~~ on schedule 6811 in contract time.W To---bids in hands of Dept.7/14. To---NY makes favorable report.7/21.
130408	7-20	NY	855-127	Crocker Wheeler motor generators for radio use; reports on design.W To---if fulfills specfns no special approval is necessary.7/22.
130508	7-14	M.Is	7430	Submits final report on test of generator (500 cycle radio inductor alternator). W To--& NY--7/29
133360	8-29	NY;	855-147	500 cycle radio alternator made at M.Is. comments; recommendations for development of new transformer,etc.
134202	9-31 9-5	Cohen, Louis Dept		High frequency generator; transfers all rights to basic theory as covered in publication Elec World Feb 15, 1908; antidates Goldsmidts patent.W Fwd Dept-- Noted. 9/12

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[OVER.]

GENERATING SETS: MOTOR 1913

Number.	Date.	From or To—	Subject.	
98901	6-6	At.Communication Co	Relative to modified Telefunken radio motor generator; inductor type.W To---comment.6/7. Fwd NY.6/9. RB 7-1	
99642	6/17	To Natl El.Sig.Co. T	Rotary field 500 cycles 25-kw alternator, reqn.76, Sept.10th, 1910. Request price.W	
100641	6-30	Nat.Elec.Sig.Co.	Quotes price on 500 cycle,25 kw alternator.W To---Ack.7/2.	
102876	7/31	NY	UTAH: reports on, that 5 Kw Crocker-Wheeler motor generator can be used satis. with FESSENDEN set by making certain adjustments. makes general recommendations for issue of Weston voltmeter for each set with which Telefunken transformer is issued.	455--6
105425	9-3	M.Is	Reqt. authority to mfg. experimental 5 kw 500 cycle generator for radio service; reqt. allotment to cover.W To-- allotment made 9/13	
105705	9/13	NY	PROTEUS: contract with Marconi does not provide for protective appliance for motor generator, recommends purchase.	164--5
109080	10/29	C.O.	VIRGINIA: states hand generator received with portable radio set, Nat. Elec. Sup Co. will not retain magnetism.	465--6

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GENERATING SETS: MOTOR. 882-3

Number.	Date.	From or To—	Subject.	
109426	11-5	Austin, Dr. L.W.	Reports on method proposed by Dr Cohen for producing undamped high frequency oscillations from direct current for use in radio tel. To Dept. Fwds report. Recommends enter into contract with. 11/5 Fwd Dept. invites attention to modified proposition of Dr. Cohen; comments. 12/9	
110768	11-14	Cohen, L.	High frequency generator; development of; states his understanding of employment by Bureau is calling for $400 per month during time of employment, and $10,000 bonus if apparatus operates, satis. W	
110986	11/8	GE Co.	KEY WEST: quotes price $2,200 for 25 kw gen. set for, duplicates one furnished thru N.E.S.Co.	817
110300	11/13	Nat.Elec.Sig.Co.	KEY WEST: Motor gen. and spark gap; quotes price $5,000 $25,000 for same apparatus for any other station.	817
112639	12-12	Wireless I p Co	Motor generators; gives figures obtained from H-C Co. for 1/2 kw. W	
113615	12-22	Holtzer Cabot Co	Motor generators for; to apply to sets being supplied on Wireless Imp Co. orders; submits print and gives list of spare parts with prices. W	
19921	12/27	Holtzer Cabot Co.	Prices for furnishing motor generators to apply on	629

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[OVER.]

GENERATING SETS: MOTOR & GEN. 1913

Number.	Date.	From or To—	Subject.	
89023	1/20	Natl Elec.Sig.Co.	Offers for sail a 35-kw, 50,000 cycle alternater and generator.Y To- -Not accepted.2/5.	
90147	2/12	At. Flt.	UTAH: motor generator, radio, no spare, only one spare transformer in FLEET.	455--6
13318	3/3	NY	Asks if radio motor generator delivered on shall be shipped to M.Is.	629
14418	3/13	To NY &s&A	Radio material, requests 2-Kw motor gne. starting panel and field regulator, and transformers be turned into stock.	629
92779	3-17	Genl Elec.	Requirements of specns. regarding spare parts; not clear.W To---Gives list; fwds spcfns 16-R-1.3/19	
93239	3/222	NY	Fwds corres. with Wireless Imp.Co. re loan of 5 Kw Crocker Wheeler motor generator for test in connection with their apparatus.	876
95380	4/19	NY	JUPITER: motor generator and transformer Nat'l Elec. Co's bid excessive, have requested quotations from GE	251--6

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GENERATING SETS: MOTOR & GEN 882-3

Number.	Date.	From or To—	Subject.	
95979	4-28	Diehl Mfg.Co.	Submits prices for 12 motor generating sets for radio.W Fwd NY- for comment & recom. 4/30 RB 5-9 To-- Referred to NY for comment 4/30 To --comments.5/10. RB 6-13 To Dept.reqst authority to purchase.5/10.	
		Fwd Dept.6/16. RB 6-19		
95934	4/28	To NY	Radio sets, cont.14746 and 121, F.Lowenstein requisition submitted for purchase of motor generators and transformers.	876
95969	4-28	TO Crocker Wheeler Co.	Reqt. price on 5 and 2 kw motor generators inductor type. W Reply 5/3.Will quote thru.Atlantic Communication Co.W Company reqt.action.7-28 To At.Comm.Co. 8/6	
96484	5/3	NY 630-13	Fwds quotation received on motor generators from Marconi, Atlantic Communication Co., and G.E. W To-Atlantic Com Co. Asks if price includes spares 5/6	
96745	5/7	At.Communication Co.	Quotes prices for 5-kw motor generators for radio.W To---recn prepared for 10 5-kw and 10 2-kw.5/12. Company gives times del. 5-14	
97191	5-8	Atlantic Communication Co	Motor generator sets; explains reasons for apparent high prices quoted. W.	
97563	5-17	Atlantic Com.Co.	Reqt. Bu inspect high frequency generator recently installed at Sayville Sta. W To---Will arrange to witness.5/20.	
98073	5/22	At.Flt.	Comments on Fessenden motor generators,etc	876

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[OVER.]

GENERATING SETS MOTOR & GEN. 1912

Number.	Date.	From or To—	Subject.	
73715	7-18	TO NY Yd	Re disposition of certain motor generators bought for Lightships, also generator. W NY 7/25. Gives assignment of.W To---Asks if transmitters, cont.13525, assigned to Lts 66 and 85, are now in store.8/13.	
76913	8/27	FR	ARGENTINE battleships, contrs reqts information re the wireless motor generators on the ARKANSAS.	652
77681	9/2	C.O.	UTAH: states defective motor generator for radio set was received from Norf	455--6
79651	10-7	Telefunken Co	Reqt. authority to have engineer examine motor generators supplied with sets installed on BS, prefer NORTH DAKOTA. W. To-- C-in-C--Reqt permission be granted to inspect NORTH DAKOTA, DELAWARE, MICHIGAN & SOUTH DAKOTA.10/8 To-Fleet- letter of 10/8 should be N.Dakota.10/14	
79700	10-7	Nat.Elec. Sig.Co	Motor generator for; suggestions for speed, etc. to be called for in specns. W. To - gives information 10/9.	
79890	9/30	Guantanamo	EXCITER ARMATURE, not required, reqt shipping instructions	814
80674	10-18	Cutler Hammer Co	Motor generators; prints and description of proposed starting panel for. W	

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GENERATOR SET: MOTORS & GEN. 882-3

Number.	Date.	From or To—	Subject.	
81906	11-4	At.Flt 1813	Recommends additional motor generator on every battle ship as part of radio equipment.W To---comments 11/8.	
82006	11-7	Telefunekn Co	Quotes price for motor generators with spares. W.	
84588	12-5	Coleman, A.R.	Invites attention to new compound wound on field of motor to automatically adjust variations in load. W. To---comment.12/10.	
85054	12/12	Chas	PRAIRIE: asks if Bu. will approve of installation of 500 cycle, AC gen. for radio	360--6
86016	12-23	H-C Co.	Motor generator for radio; quotes price.W	
86047	12/27	NY	EAGLE: gives time required for delivery of spare armature for motor generator, Telefunken Co. offer to loan one.	195--6
86146	12/26	Bost	RANGER, reports test motor generator Ex-Tacoma for use radio	369-6
			1913	
88793	1/27	NY	Blanks for reporting on tests of motor gen. reqt alterations.	610

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GENERATING SET: MOTORS & GEN.

1912

Number.	Date.	From or To—	Subject.	
61985	2-21	Nat.Elec.Sig.	Fwds invoice for motor delivered to Mr.Clark.W (W)to Colon. Requests Clark report whereabouts of motor.3/26.	
622176	2/27	NY	APARATUS: reports distribution of 2-kw motor generators & transformers furnished under reqn 260, 2 outfits remain in store	876
62241	2/26	Nav	CALIFORNIA: fwds report of board on condition, asks if any person can be held responsible for same	147--6
62636	3/4	Dept	CALIFORNIA: fwds report of Board on investigation	147--6
64302	3-23	Colon W	Clark states N.E.S. Co. motor at wireless sta. is awaiting further use driving gap. W To Nat Elec.Supply Co. Bu.reqn.#292 made for 1/4 HP motor.3/26.	
66809	4-19	NY 2758-855-44	Exciter motor,auto starter for; submits estimate for rewinding; intended for Colon. W To -- NY Appd. 4/23	
68247	5-8	TO Telefunken W.T.Co	Reqt. price for 2 5kw generators similar to those furnished on Bu.reqn. 260. W 68538-876	
68740	5/8	Cavite	Wireless motor gen. shipped for, without price invoiced, reqt auth. to issue on stub reqn without charge to appr.	806

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GENERATING SET: MOTORS & GEN. 882---3

Number.	Date.	From or To—	Subject.	
68746	5/14	To Pug.Sd. T	Asks if there is available 60 or 120 cycle 2-kw motor generator and transformer.W	
68758	5/15	To Pug.Sd. T	Motor generator and induction coil; directs deliver to Capt.Dunwoody, R.C.S.,Port Townsend.W	876
69453	5-22	Telefunken Co	Quotes price on 5 kw.500 cycle radio generator,with switchboard. W	
70134	5/23	C.O.	SARATOGA, reports delay in securing new armature for wireless motor generator; recommends entirely new motor generator be supplied: present Northern Elec. Co's has never given satisfaction.	316--6
70845	6/10	Brook	CONT.240, ARLINGTON, Diehl gen. sets, fwds test reports.	841
71312	6/15	CO	UTAH: Motor generator; installation derecotive.	455-6
71825	5-18	Asiatic Fleet 118	Reqt. spare motor generator for radio set be shipped to Cavite for stock. W To---,NY,S&A.Reqst shipment, NY to Flt. 7/3.	
71739	6/21	To Diehl Mfg.Co.	Motor gens.supplied under NSA r on 71; request for name plate data of; cont.69 .W Gives description of. 6-24	
72547	7/2	To NY	ARKANSAS: 5-kw gen. cont.121, asks when delivery may be expedted.	121--6

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[OVER.]

GENERATING SETS: Motors and Generators.

Number.	Date.	From or To—	Subject.	
55783	12/9	NY	Appar. rel outfit under cont 12874, turbo generators for, etc. best results cannot be obtained with! and other parts delivered under.	876
56155	12/ ?	Colon	Exciter motor burnt out badly; shipped to New York for shipment ot G.E.Co. for repairs. States was installed without starting device; requests new automatic starter.W Fwd NY-For recommendati on.12/27. R B 1-8 To NY.appd.1/8.	
56285	12/9	August Mietz	Sched.4149:Asks whether self-starting engine or regular standard type engine is to be furnished.W 12/14 reqst reply.W To--Covers wireless set only.12/21.	
56383	12/12	C.O.	FLORIDA: reports on investigation and breaking of motor generator for wireless set	205--6
57196	12/27	Holtzer Cabot Co	Quotes on generators for wireless for use on aeroplanes. L To---Acknowledgment.1/6.	
57186	12/27	To M.Is.	NERO: states has made reqn for spare armature, and directs generator be examined, if spare armatures cannot be furnished, report to Bu. with recommendations	310-6
			1912	
57809	12/20	Telefunken	PETREL: relative to rejection of motor gen. under cont.144, reqn 82	348--6

N.S.E. Form 134.

Gen. sets 882--3

Number.	Date.	From or To—	Subject.	
58978	1/17	GE	ARLINGTON: states are building 50000 cycle, 31 to 35 Kw generator for National Elec. Sig. Co. Co. may be willing to sell machine, if not will build experimental one	841
59555	1/25	To NY	LIGHT SHIPS 66 -85, reqt status of deliveries by Diehl Mfg Co. of motor generators for W.T.Stations, NSA reqn 71	678
59961	1/29	NY 275-855-42	Reports on examination of 7-1/2HP induction motor returned by Colon wireless for repairs.W To---Directs rewind motor.2/2.	
59967	1/26	NY 855-56	Reports measurements of motor generator shaft supplied by Telefunken Co.W	
60662	2/6	NY	LIGHT SHIP 66-85, have been completed.	678
60874	2/5	Pug. Sd	PENNA: reports exchanging 2-1/2 kw motor generator for dis-used 4 kw one in store	342--6
61331	2/5	Diehl Mfg Co	Cont 89: appeals against rejection wireless motor generator; states rheostats were not required by contract	629
61673	2/20	TO NY	APPARATUS: motor generators & transformers NSA reqn 260. Bu. requests information concerning disposition	876

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GENERATING SETS: Motor & generators

4 ✓

Number.	Date.	From or To—	Subject.	
43968	7/19	To NY	Cont. 15294: motor gen. for TBDS, fwds copy of cont. & directs inspn	629
45010	7/31	Diehl Mfg Co	LIGHTVESSEL: quotes price for motor gen.	678
✓ 45326	8/2	NY 886-855-71	Motor generators for wireless on reqn. 71; recommends be designed for normal voltage of 160.W To---Will comply.8/5.	
✓ No #	8/23	To Portsmouth.	Survey 11: Automatic starter should be issued to WHEELING after repairs. W	No #
47253	8/26	Ports	WHEELING: re delay in getting motor gen.	478--6
50016	9/29	NY	TERRY: states original generator supplied by Marconi proved satisfactory and set replacing same was turned in.	432--6
50480	10/7	Pug.Sd. T	PENNA: reqt early delivery of motor generators for wireless.	342--6
✓ 51416	10/14	TO Washn	Fwds copy of reqn. 148 for motor to be used in Laboratory. W	
✓ 52745	11/3	Clark, GH	Suggested specns for, for wireless sets on aereoplanes. W Fwd Nav. Will purchase generator and have wireless set made up, if recommended. 11/7. RB 12-12	

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GEN RATING SETS; Motors and Generators. 882--3

Number.	Date.	From or To—	Subject.	
52552	11/2	Diehl Mfg.Co.	Washington W.T.Station; fwds proposed list of spare parts for 15 kw gen.set.	841
52746	11/4	Wireless Spec.Co.	Portable sets; reqst prints; states have developed special motor generator for.	897
54260	11/22	De Laval Steam Trbn Co.	Requests specifications in connection with manufacture of a new design.W To--Fwds, with comments.12/2.	
54218	11/22	Colon	Reqt permission to ship one motor to Gen. Elec. to be re-wound	808
54924	12/1	To Holtzer-Cabot Co.	D.C. generator, 1/4 k.w. for use with wireless set designed for aeroplane; understands have on hand, and if for sale, quote price. W	
55202	12/4	Robbins & Meyers Co.	Requests be considered for supply of wireless generators and generating sets.W To--Ack. with comments.12/11.	
55119	12/4	To NY	Reqt measurements be taken of Telefunken outfits and forwarded to Bu; to include 1, 2 and 5-k.w. W	
55544	12/7	NY 855-53	Measurements of motor generator outfits furnished by Telefunken; reports one outfit shipped to Washington prior to securing data.W	
55650	12/8	Holtzer-Cabot El.Co.	D.C.generator for use of wireless in aeroplane. Have nothing suitable on hand; require special estimate.W	

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Number.	Date.	From or To—	Subject.	
37961	5/4	Nat. Elec. Sig. Co.	WASH: L.D. 200 HP motor drive for 100 kw Gen. Set. impossible to obtain standard chain drive.	841
38189	5/6	C.O.	PAULDING: reports armature rewound by Diehl Co. burnt out first time used.	337-6
38145	4/28	M.Is.	STEWART: states will install new	413--6
38149	5/8	To NY	VULCAN: can turbo generator: W.T. set be shipped	467--6
38222	5/9	NY	VULCAN: can ship turbo: to Boston 13th. no sets have been shipped: transmitter of one set available	467--6
38365	5/9	NY	cont.13422: reports on efficiency of 2-Kw motor gen. sets for wireless	629
38412	5/5	Pensacola	APPARATUS: states motors for driving Telefunken generators on reqn 115 have not been rec'd.	876
38615	5/13	To NY	KENTUCKY & MISSOURI: 2 kw motor generators asks if those on reqn 159 can be substituted for those on reqn 1516.	258-6
38784	5/12	Phila	APPARATUS: on reqn 260: Crocker Wheeler reqt copy of contract.	876

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GENERATING SETS: M&G 882--3

Number.	Date.	From or To—	Subject.	
39058	5/17	NY	KENTUCKY & MISSOURI: can substitute those on contract 14462 for those on reqn 1516	258--6
39737	5/24	Boston	MISSOURI: states motor generator available receiving set entirely unsatisfactory, new aerial needed.	292--6
40084	5/29	NY	Cont.12899: Fwds corrected tracings	629
40103	5/31	To S&A	Cont.14747: Telefunken, factory inspn waived	629
40105	5/31	To S&A	ARKANSAS & WYOMING: cont.14746: factory inspection waived.	121--6
40915	6/6	Kilburn & Clark Mfg.Co	Invites attention to new 3 kw, 110 volt, 500 cycle gen. for use with wireless. W To --Comments.6/13. Fwd Puget. Directs test of rotary converter if practicable.6/20. RB 7-4	
41406	6/15	Dept	MAINE: reports non delivery of motor gen. for fire control telephones and wireless.etc	274--8
27353 Old #	6/27	To NY	Test of 2-K.W. Robbins & Meter motor generator and transformer. Reqst report.	
	6/30	NY ----------	Will be tested and report submitted within two weeks.	
43717	6/27	Pac.Tor.Flt	WHIPPLE: recommends installation of motor generator for: originally intended for FARRAGUT	479--6

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FILE No.		From or To— (Dated)	Subject.	
35200	3/28	C.O.	PRESTON: reqt repairs to armature for Marconi disc discharge.	362--6
35245	3/25	M.Is.	WHIPPLE: dynamotor for wireless telephone sys. reqt auth. to convert so it can be used for wireless telegraph.	479--6
36049	4/11	Nat.Elec.Sig.Co.	WASH.L.D 100 kw set: do not believe 25 cycle induction motor would operate at proper speed for direct connected gen' set at 1250 RPM.	841
36479	4/18	To M.Is.	UNALASKA. states if generator is not rec'd before Buffalo sails, hold for spare transformers and ship by rails, and ship all by freight.	845
36504	4/18	NY p	UNALASKA: states have already shipped receiver with detector to M.Is. and asks if additional of latest type, shall be shipped.	845
36420	4/17	NY	COLON: relative to armature for:	808
37074	4/20	NY	KENTUCKY:& MISSOURI: reports no motor generator set availabel for wireless	258--6
37410	4/29	To Brook	Cont.210: will be inspected at NY	629
37574	4/7	Beaufort	Reports breaking down main generator motor armature.	800
37641	4/29	Nat.Elec.Sig.Co.	WASH:L.D. suggestions for motor for driving 100 kw generator.	841
37852	5/4	To S&A	Cont.14811: covering motor generators: for TBDS & Colliers, waives factory inspn at Garwood Elec. Co.	629
37966	5/4	C.O.	DRAYTON: reqt grounds in motor: be repaired.	192--6

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GENERATING SET: MOTORS & GENERATORS;

FILE No.		From or To— (Dated)	Subject.	
29010	1/12	Ft.Wayne Elec.Wks	For wireless; contract 180; states $320 still due Fwd S&A 1/16.	
29333	1/11	C.O.	PAULDING: reqt armature set be rewound	337--6
29927	1/23	Newport	reports receipt of 10 HP motor under cont.104	822
30089	1/25	Pensa	reports receipt of motor generators for	827
30372	1/26	Newport	Reports receipt of induction motors	822
30673	2/2	TO NY Yd	& transformers; reqt.self induction of armatures be measured. W	
30912	2/2	Norf.	TALLAHASSEE: reports making reqn for missing parts and non-receipt of motor generator, e c	426--6
31141	2/8	To S&A	Cont.14418: Motor generators & transformers: M.Is. reqt point of Delivert be changed to NY	629
31669	2/10	C.O.	PAULDING: reports armature, Marconi set burned out and useless	337--6
32776	2/27	C.O.	INDIANA: field rheostats: asks for action on survey of Oct.27	240--6
33169	3/1	NYS	ALABAMA: estimate for rewinding spare armature	107--6
33328	3/7	C.O.	TALLAHASSEE: reqt iron shaft for motor-gen.	426--6
33711	3/13	Diehl Mfg Co.	PAULDING: armature:asks if Bu. will deliver to factory	337--6
34633	3/23	Norf.	CASTINE: states motor generator furnished has no invoice price(value) asks if shall be surveyed in order to fix price.	150--6

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Number.	Date.	From or To—	Subject.	
655396	12/30	To Westinghouse Elec.	Co Fwds in compliance with request print pillar porcelain insulator W	

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
654465	12/20	Ports	Rqsts data regarding accepting insulator material advance sheets No. 80 W To Ports- Fwds print 1/8/23
654250	12/22	Scouting Fleet T	ARKANSAS directed to transfer insulators to UTAH W To Scouting Fleet- NY (T) - shipment of insulators- 12/20
654244	12/22	To Ins pr machy FR	Material desired by Beth Corpn- reqsts prints W
654679	12/26	To Ports (T)	Porcelain part- insulator- W

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Number.	Date.	From or To—	Subject.
654681	12/28	To MI MI	monthly radio report- Fwds specens W
654925	12/29	To Ohio Brass Co	Reqsts drawings covering various insulators- cc Washn W
654926	12/29	To Western Elec. Co	Reqsts inform rel supply of insulators cc Washn W

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Number.	Date.	From or To—	Subject.
644054	~~11/~~	from card 62	To S&A Reqst shipment of Insulators from Washn to CO 1593 11/27 Fwds Forts 11/29 Forts 11/9 Rqsts action W
652010	12/1	M.M.Fleron and Son.	Rqsts inform as to most satis. type porcelain antenna insulator W To F J Fleron- if insulators are light weighted reqsts they be sent direct to bureau 12/9
652266	12/2	Diolite Insulator Corp	Fwds sample of Radio Panel Board Co.W To Diolite Insulator Corpn- gives Inform- test not authd 12/9

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Number.	Date.	From or To—	Subject.
652976	12/9	Ports	Rqsts insorm rel to satis material for Aircraft wing insulators W
653169	12/11	JM Co	Rqsts booklet on outline of text on electrical insulations. Material for use in radio apparatus W To J M Co- Fwds print 12/16
653553	12/12	Wash	Fwds report on test of Goodrich Special radio sheet W
654345	12/18	Ports	Rqsts ship porcelain deck insulator be delivered W

INSULATORS 1922

Number.	Date.	From or To—	Subject.	
647988	11/1	N.Y.	Port-auPrince asks if spare insultaros are to be provided to replace defective ones. W	
648142	11/2	Electrose Mfg.Co.	Request fwd prints listed. W. To Electros Mfg Co- Fwds plans listed 11/8 Electrose Mfg Co 11/10 W	
648236	11/2	Ohio Brass Co.	Request insulator drawings be furn. W. To Ohio Brass Co- plans are not being forwarded 11/7	
649214	11/9	Acme Apparatus Co	Rqsts outline of test on insulation material W To Acme Appr. Co- Fwds outline of tests 11/15	

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INSULATORS 1922

Number.	Date.	From or To—	Subject.	
650085	11/18	Ohio ~~Gas~~ Brass Co.	~~Rqsts insulation drawings be fwd. W~~ Ohio Brass Co- 12/5 Rqsts prints listed be forwarded W To Ohio Brass Co- will not forward prints at this time 12/22	
650140	11/18	Western Electric Co	~~Rqsts insulation drawings listed be forwarded W~~ To Western Elec. Co- Gives action taken W 11/23	
650554	11/22	New York T	~~Asks approximate date of delivery of insulators W~~ To NY-- gives status of shipment of Insulators cc C-I-C Atl. Fleet CO's MARYLAND) ARKANSAS WYOMING 12/9	

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Number.	Date.	From or To—	Subject.	
645747	10/10	War Dept	Order 131610 Request fu nish Signal Corps with Electrose insulators. W	727-1
900-6678	10/16	S&A	Copy of letter to Ports authorizing manfg metal parts for insulators WR	706
645464	10/18	To Redmanol Chamical Pro- ducts Co see card 62	void	
646117	10/19	Condensite Co. of America	Ask if permissible to submit specimens made in moulds owned by another Co. W. To Condensite Co- impossible for bu to auth test 10/25	
55240	10/20	C&R	Fwds prints of rigging insulating wire rope W	629

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INSULATORS 1922

Number.	Date.	From or To—	Subject.
646278	10/21	To Republic Rubber Co	Fwds print- Gen specen cov. porcelain insulating material and insulators W
646729	10/23	Westinghouse Electric Co	Requests insulator drawings. W To Western Elec. Co- Fwds prints 10/28
647159	10/26	New York	Report on test of type 1783 insulators W To NY- rel characteristics of types of porcelain strain insulators listed W 10/31
647137	10/25	Inspr Cincinnati	Submits list of firms who have furnished insulation material for test. Rqsts out line test be furnished W To Inspr machy Cincin.- Fwds copies outline of tests on insulation mat. W 11/1

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Number.	Date.	From or To—	Subject.
641980	FROM	CARD 62	Miller Rubber Co.- Gives information on their insulating material. W. 10/1?
			Inspr Westinghouse E/M Co - Fwds letter from Hewitt Rubber Co. 10/19 W.
			Formica Co 10/20 Calls attention to incorrect address on Bureau's letter W
			To Formica Insulation Co (T) Samples mat test must be as specified cc W C Hill Baltimore W 10/21
			Inspr Union 10/19 Copy action to K B Co. W
			To Formica Insulation Co (T) Sample shld be as listed cc Washn- W C Hill W 10/25
			Inspr Pitts- 10/31 W
			Inspr Pitts- Fwds comments to firms. 11/1 W
			Inspr Pitts- 11/2 W
			Formica Insulation Co. Samples fwded 10/27 W
			B.F. Goodrich Co- 11/3 Copy action Inspr Pitts W
			BF Goodrich Co 10/28 Copy action to Inspr Pitts.
			Inspr Union 11/11 W
			B.F. Goodrich Co 11/15 Rqsts report of test W
			Inspr Pitts 11/16 Fwds letter from Goodrich Co advising shipment of insulating material be tested W
			To Inspr mat Union- reqsts inform rel specen 11/21
			Diamond State Fibre Co 11/20 W
			Inspr Union 11/27 W
			Inspr Union 11/27 W
			To Inspr mat Union? Gives action 12/9 Farnica Insulation Co W
			To Formica Insulation Co- Gives summary of complete tests cc S&A W 12/13
			Wash 12/12 Fwds report on test of Farnica insulation matl W
			To GE Co- Gives action taken cc Inspr mat GE- Comdt Washn 12/16

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
641980	FROM CARD 61		Inspr GE- GE Co. can furnish material in any color. 9/27 W.	
			Condonsite Co of America 9/29 Request specifications	W
			B.F.Goodrich Co 9/29 Request outline of test of insulating materials. W	
TO OVER			To Inspr mat Phila- listed appvd 9/30	
			Inspr Beth 9/29 W	
			Inspr Tacoma- 9/28 W	
			To Inspr mat GE- gives action cc Washm 10/4	
			Inspr Hart- 10/4/22. W	
			Inspr Chic. 10/4 W	
			To B F Goodrich Rubber Co- Fwds outline of test 10/5	
			To Condensite Co- Fwds outline of test 10/5	
			Inspr Busch Sulz- 10/5 W.	
643792	10/2	Radio Frequency Labrs.	Request copies of prints covering outline of test on insulating materials. W	
			To Radio Frequency Lab Inc- Fwds outline of test 1 /5	
644054	10/3	Ports #1273	Request 10 insulators be furn. W.	
			To S&A Rqsts shipmt of insulators from Washing to Ports. 10/11 W	
			To Comdt Ports-mRqst for insulators 10/14	W
		card 65	To Ports- Reqsts similar type electro se insulators be installed 11/4	
			Ports Asks when shipt will be made W 11/21.	
644301	10/3	Dielectric Mfg.Co.	Request copy of pamphlet outline of test in insulating materials. W.	
			To Dielectric Mfg Co- Fwds outline of tests 10/10	
644224	10/5	S&A	Copy of letter to Chasn. rel to shipt of instlators to Chasn. W.	

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INSULATORS 1922

Number.	Date.	From or To—	Subject.
641980	FROM OVER		Miller Rubber CO.- 1 0/7- rel to test of Miller battery container- fwds sample of material. 10/7 W.
			Waterbury Button Co.- Inform cov insulating materia with sample 10/6 W
			To Miller Rubber Co- fwds outline test 10/10
TO CARD	62- A		Inspr Union- 10/6- Copy action to Gray and Danielson Mfg. Co. W
			Inspr Pitts- Copy of letter to various firms requesting action. 10/10 W. (6 letters)
			Inspr Brook- Fwds letter from Formica insulation Co. 10/11 W
			Inspr Westinghouse- Submits assembly of insulating material. 10/11 W
			K-B Mfg. Co.- Calls attn to Co's moulded bakelite. 10/7 W.
			Inspr Pitts- Copy action to B. F. Goodrich Co. 10/13 W
			To K-B Manfg Co- Specns not complied with. 10/14 W
			Inspr Union- Request outline of test on insulating materials be furn. 10/9 W.
			B. F. Goodrich Co. Copy action to Inspr Pitts. 10/13 W
			To Formica Insulation Co- Samples shld be forwarded to O-I-C Radio test Shop cc Washn 10/17
			Goodrich Co.- 10/13- Inspr Pitts- 10/17- W
645152	10/11	Inspr Hart	Request copies of test RE 9-A-1020 on insulating materials. W.
			To Inspr mat Hartford- Fwds copies outline of tests 10/20
4 645564	10/10	Redmanol Chemical Prod. Co.	Fwds pamphlet describing Co's insulating material. W.
			To Redmonol Chemical Prod Co- gives inform 10/18

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INSULATORS 1922

Number.	Date.	From or To—	Subject.
632131	7/13	To Washn- Bu Standards	Design Problem No 203-A Porcelain insulators- failure of in service W Washigton- Fwds report. 10/13 W
632808	7/20	To H.W.Johns-Manville Co.	Fwds bprint of Elec Instln Mtls for use in Radio Apparatus. W J.M.Co.- Outline of test on electrical insulation materials - fwds reports. 7/21 W
637786	8/14	Ports	Request vandykes showing type SE 1329 insulator W To Ports- Fwds Vandyke 8/22
640895	9/8	Ports	Request 4 insulators be furn W. To Ports- rel instln of insulators 9/16 To S&A Reqst shipment of insulators from Washnto SO Ports W 1232 10/7 To S&A Reqst shipment of insulators from Washn to 1st Dist Boston 1620 12/1

Number.	Date.	From or To—	Subject.	
640227 8	9/16	To Companies listed	Fwds plan which covers a contemplated size of entering insulator W Corning Glass Wks. 9/20 W. Lapp Insulator Co.- 9/27 W. Locke Insulator Corpn- Willsubmit proposition within 10 days. 9/21. W. Westinghouse E/M Co. 9/26 W. Corning Glass Works- Subm quotation with print. 9/26 W Westinghouse EM Co 11/11 Submits quotation W To Locke Ins. Co- Gives action taken 5/15/23	
641980 TO CARD	9/21 62	To Inspr mat- Insprs machy yards listed	Insulating material for radio purposes Test of, for appvd bidding for annual contracts- gives inform Inspr Phila- 9/22. W. Inspr GE- 9/22. W. Inspr Brook- Subm list of manufacturers written. 9/25 W. Diamond State Fibre Co. 9/26 W Inspr Pitts- Copy action to various insulator manfgs. (8 letters) 9/27 W Inspr Mass 9/27 W	
56069	9/2[illegible]	Ins pr GE	Request decision co vg tolerances in porcelain insulators SW	629
642710	9/23 9/25	Natl. Fibre Insulating Co. In pr Phila.	Request prints of insulating material W To National Fibre and Insulation Co- Fwds prints cc Inspr mat Phila 9/28 National Fibre & Insulation Co 9/29 W	

INSULATORS 1922

Number.	Date.	From or To—	Subject.
626257	6/1	J.M.Co.	Request specifications cov insulating materials- will manufg a new grate. W. To JM Co- F ds outline of tests 6/26 W W
626207	6/3	To GE Co	F ds specns on Porcelain Insulating Material and Porcelain Insulators. W To Inspr Schenectady- F ds specns 6/3 W Inspr G.E. 6/8 Request instructions rel to drawings W To Inspr mat (GE) rel plans 6/17
627287	6/8	Washington	Report on examination and test of Pyrex insulators and rods. W.
504787	50	FROM CARD 47	15th Dist 6/12 T. Ask if insulators should be charged to Engineering 1921 or 1922 W To 15 Dist (T) delivery of insulators 6/14

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Number.	Date.	From or To—	Subject.	
627914	6/13	Inspr Phila	Request specifications covg insulating matl W To Inspr mat Phila- Fwds print 6/21	
628490	6/9	Nav Sup Depot	Insulator;request prints W	
631266	7/5	N.Y.	Request vandyke print of insulator be fwded.W To NY- Fwds Vandykes 7/14	
631858	7/7	Ports #713	Request shipt instrns be furn cov insulators.W To S&A Rqsts shipmt of insulators from S Brook to Ports 7/13 W RB 8/1 W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
619360	4/20	To S&A 109	Reqst shipment of mat from SO NY to MI W	
619525	4/20	To S&A 111	Reqst shipment of Insulators from SO NY to SO Pug Snd W	
620785	4/26	Aircrft Facty	Request approved list of radio and electrical insulating material. W-I. X672 To gr Aircraft Fac via Comdt- Fwdsprints 5/4	
619052	FROM CARD 58		Navy Sup Depot- (T) Insulators mailed. 5/4 W To Supply Depot Brook (T). Ask when shipment Insulators pug Snd be made 5/1 S&A- Copy action to Navy Sup Depot. 5/4 W. To Brook (T). Reqst reply to tel 5/3	

INSULATORS 1922

Number.	Date.	From or To—	Subject.	
9592	5/12	To S&A	Porcelain parts for insulators- Destroyers and submarines Fwds cc of GE Co let 5/3 WR	706
623231	5/19	Aircraft Factory	Request wind tunnel test be run on insulators for antenna for aircraft. W.	875
623830	5/10 5/11	vHon. M. C. Kelly Navigation	Request copy of test on bakelite material furn by various firms. KW. To-- Gives results of test 5/22	1
623466	5/9	Corning Glass Works	Reqsts report of tests made on Pyrex insulators To Corning Glass Works Gives inform rel dumbbell 5/17 Corning Glass Wks- returns drawings. 7/15 W	
625990	5/31	Formica Insulation Co.	Calls attn to improvements made in formica request auth to submit samples. W. To The Formica Insulation Co- Will auth test of matl 6/3 W	

Number.	Date.	From or To—	Subject.	
613157	3/10	N.Y.	Ask if will authorize furnishing drawings to Porcelain Insulator Corpn W. To NY- 3/17	
8992	3/18	To S&A	Porcelain insulators for supporting antennas on various battleships, Destroyers and submarines WR	706
m 63 614389	3/17	Inspr GE	GE- 114 compound for use in radio apparatus Fwds samples pr with comments W. To Inspr mat GE- Fwds copies of specens 4/5 To Washington- Gives Action taken 4/5 Inspr GE- 7/25 W To nspr mat GE Test has not been completed 8/2 Inspr GE- Ask if satisf gor GE Co. to use their GE 114 compound. 9/12 W Wash 12/15 Fwds report test of GE Co compound W	
615693	3/24	Pacf. Fleet	Fwds reports of battleship sqd. 4 on instln of porcelain instulators in antenna trunks. W.	
616876	4/3	American Insulator Corpn	Request inform on strengths of insulating material W. American Insulator Corpn- Quotes letter of 4/3- request reply. 5/1 W. To American Insulator Corpn Fwds cc of tests 5/5	

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Number.	Date.	From or To—	Subject.
617583	4/12	To NY	Report on Insulators in stock Gives instrns W
619052	4/17	Pug.Sd. (T)	Request express shipt of 30 wave changer insulators for repairs to destrys. W.
TO CARD 59			4/18- To S&A Reqst shipment of Insulators from Brock to 30 Pug Snd 83 4/18 RB 5/17/22/W Pug.Sd. (T)- Request instrns rel to shipt of wave changer insulators. 4/21 W. To Pug Snd (T) gives status of shipment 4/24
612385	FROM CARD	57	Fibre Co.- (T) Co. sells condensate celloron. 4/18 W. Fwds Dept (Sec Sig) 4/19 Diamond State Fibre Co. Fwds copy of letter 4/19 4/27 W. To S&A- Gives instrns cc Washn 5/12 To Sec of War (Asst Sec Sig) Gives Inform rel insulating material 5/18 To B F Goodrich rubber Co- Gives action-taken rel test 12/13cc Washn 12/23

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[OVER.]

Number.	Date.	From or To—	Subject.
589095	FROM CARD 54		Washn- Fwds report on test of formica material. 2/2 W To Formica Insulation Co- materials disapproved cce Washn 2/9 Formica Insulation Co. 2/14 W Washn- Subm estimates. 4/29 W.
609557	2/8 2/13	Naval Academy Washington	Request regular shipt order be issued cov porcelain insulator shipt from New Brunswick during 1918. W. Fwd Washington 2/17
609498	2/15	To Washington	porcelain insulators for ships Gives action taken rel addnl samples W Washn- report on test of Ohio Brass insulators 3/7 W.
610895	2;24	To Ohio Brass Co T	Ask if interested in furnishing porcelain.W To Ohio Brass Co-T-ask estimated cost-2;23-W Ohio Brass Co - (T) Can furn 300 insulators 2/27 W Ohio Brass Co.- Subm quotation on insulators- 2/27 W To Washn- work appvd 4/25 Wahn 5/9 W

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Number.	Date.	From or To—	Subject.	
610987	2;25	To NY #9784	Shipment of insulators from NY to Pearl Harbor.W RB 1/31 W To S&A G ves instrns cc MI- P H 5/11	
610986	2;27	To Washn	Design problem 119-porcelain insulators for ships--reqt est for mfg of shields for.W	
611748	3/4	To National Elec Sup Co	Fwds print- outline of tests on Elec Insulation materials W	
612385	3/4	War Dept	Ask if Diamond State Fibre Co. have submitted any types of condensate seleron which have been approved. W. To War Dept- Dept has tested and disappvd 3/10 War Dept- Ask what grades have been apprvd. 3/25 W To Washington Fwds letter from Chief Signal officer Army- 4/6 RB 4/12 W To Diamond State Fibre Co- Comments-- 4/17	
TO CARD 58				
612430	3/3	9th Dist;	Asks value of 8 insulators broken from leyden jar racks in shipt. W. Fwd S&A 3/11	

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[OVER.]

Number.	Date.	From or To—	Subject.	
604121	1/11	Formica Insulation Co.	Ask when Bureau will get out schedule cov Phenol fibre. W.	
603310	1/11	To C-I-C Pacific Fleet	Installation of porcelain insulators in antenna trunks Reqst report be submitted. W. To Pacific Fleet- reqst reply to correspondence- 3/21 RB 4/3 W.	
604313	1/12	Electrose Mfg.Co.	Request Co. be enlightened rel to metal parts in Navy insulator- fwds sketches. W. To -- Will advise rel insulators acceptance of cc Brook Inspr Wat NY 1/20 Electrose Mfg.Co. 1/23 W Fwds Inspr NY 1/27 W RB 2/4 W.	
604936	1/16	Washn	Design of special condenser for test of porcelain deck insulators- fwds prints with estimates. W. To Washn manufacture and instln appvd 1/30	
54033	1/14	S&A	Ask if yards are over stocked with radio insulators SW	629

INSULATORS 1922

Number.	Date.	From or To—	Subject.	
600300	FROM CARD 55		Delta Star Elec.Co. rqst reports.1/19 W Delta Star Elec. Co. 2/20 W To Delta Star Co-rel to test-2;25-W Washn- Report on test of Delta Starr Insulator. 3/8 W. To-- comments 3/18 Delta Star Elec.Co. 3/31 W.	
54067	1/20	NY	Samples of insulating matl turned over to radio test shop for test. W	629
608334	2/8	To Ohio Brass Co (T)	Ask to ship additional samples to Bureau W Ohio Brass Co.-(T) Addtl sample available in few days. 2/8 W. To Ohio Brass Co (T) Reqst shipment of samples to Bureau 2/7	

Number.	Date.	From or To—	Subject.	
598388	12/1	H. C. Fry Glass Co.	4 glass deck insulators shipt to radio test shop for test. W. To-- rel test of insulators 12/10 To Washington Gives instrns rel insulators test of 12/10 H.C. Fry Glass Co.-Memo invoice. 12/1 K Washn- Fwds report of test of insulators manfd by various manufacturers. 6/1 W	
600748	12/15	Westinghouse E/M Co.	Antenna strain insulators- asks if interested- fwds sample. W. To Westinghouse E& M Co- rel samples of glass 12/22 To Washington Fwds sample of glass 12/22 Wahn- Report on prelminary test. 1/27 W. To Washn- Gives Inform 2/9	
8992	12/15	GE Co	Subm inform rel tensil strength test of porcelain insulators- give approximate price. R	706
600300 CARD 56	12/17 To Delta-Star Elec Co Gives instrns rel address of correspondence 1/17	To Delto-Starr Elec Co	Ack receipt of catalogue of porcelain insulators W Delta Starr Elec.Co.- Subm quotation. 12/16 W To-- Will be pleased to consider insulators if submitted 1/7/22 Delta Star Elec. Co.- Fwds sample insulators.1/9 W To Washn Fwds Plan 1/18	
600784	12/21	To Electrose Mfg Co	has completed test is enclosing report of tests W Electrose Mfg.Co.- Rest fuctner info.12/29 W Fwd Washington 1/3/22 RB 1/6/22 W To--Submits answers to questions submitted 1/12/22	

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Number.	Date.	From or To—	Subject.	
602682	12/29	Lapp Insulator Co.	CW insulator design- recommendations cov changes in. W.	
602442	12/31	To Phila	Porcelain Insulators Stock of Reqst inform re. W To S&A Reqst shipmt of Insulators from Phila to S[illegible] Pg Snd 9428 1/3/22 Phila. ~~16/~~ 1/6 W	
603034	1/3	Lapp Insulator Co. CANCELLED see 54875-629	No charge made for addtl test on larger insulators. W.	
602444	1/3	To S&A 9444	Reqst shipmt of insulators from Washn to S[illegible] Pg Snd W	
603483	1/6	Washn.	Fwds report cov test of samples of condensite celeron submitted by Diamond State Fibre Co. W. To Diamond State Fibre Co Fwds report 1/17 Wireless Imprvt Co. Request copy of report. 2/11 W To Wireless Improvement Co- Gives Inform 2/15	
54875	1/9	Inspr Pitts	Fwds report on tests of porcelain insulators mfgd by Lapp Insulator Co S&W	629

Number.	Date.	From or To—	Subject.
588709	10/3	Porcelain Insulator Corpn	Request be placed on list of mfgs of transmission line insulators. W
589439	10/6	Nav Sup Depot	Request drawings cov porcelain insulators. W To O-I-C Brook Fwds prints 10/11
589802	10/10	Lapp Insulator Co.	Fwds vandykes of instulators. W. To-- Reqst plans 10/24 Lapp Insulator Co.- Returns prints. 10/26 W
589095	10/11	To Washn To Formica Insulation Co- Fwds report of test cc Washn 10/27 Formica Insulation Co.-Fwds report of test. 10/28 W	Tests of insulating materials- Reqst Reports W To Washn Reqst that test of sample be included in those authd in let 10/11 10/13 Washn-Fwds report on test of various types of formica material tested. 10/19 W.
590583	10/15	Lapp Insulator Co.	Subm comments on specifications RE 13-A-197-A W.
591506	10/20	WInspr Westing.	Request specifications for use in inspection of insulating materials for radio compass. W. To Inspr Pitts- Fwds plan 10/25
592090	?	Ports	Submarines O-1 to O-10 - recommends Bakelite insulators be auth for instln in lieu of glass. W.

CARD 57

5746

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Number.	Date.	From or To—	Subject.
593799	10/31 S&A 11/25- W	Electeose Mfg Co.	Fwds invoice cov adjustment of contract 49933 cov insulators. W. Fwd Inspr mat NY cc S&A 11/4 RR 11/15 W. To- Gives instrns rel corres rel material cc S&A Inspr Brook WS 49933-629 Inspr Brook- Recommends disapprove offer of Electrose Co. to store material. W. 11/8 To Inspr Brook Gives instrns cc S&A 11/10 Fwd S&A cc I E M NY 11/22
594476	11/8	To NY	Reqst vandyke rel porcelain and electrose insulator be fwded W N.Y. Fwds Electrose Mfg.Co. print. 11/19 W.
595025	11/10	To Dubilier Cond Co	Reqst Data concerning nature of alteration and copy of Bu letter assigning alteration letterW
595030	11/12	To Washington	Fwds vandyke Pillar porcelain insulator W
596935	11/23	To Washington	Porcelain insulators for ships- Reqst sample be submitted 11/23
597092	11/23	To O-I-C Brook	Prints- Reqst copies of print rel Insulators To O-I-C Brook has no plans available for issue 11/23 MI 1/10 W. To I.I- Fwds photostat 1/21 Navy Sup Depot- Request addtional copies of photos 3/16 W Navy sup Depot-request ction 4/5 W To Brrook- 4/15 W

4—3381 [OVER.] PO

Number.	Date.	From or To—	Subject.
574571	7-14	To Electrose Manfg Co	Gives results of test made on insulators W Elec Mfg Co-rect prints showing insulator 7;15 To Electrose Manfg Co. 7/20 Electrona Mfg Co-7;21 W
575833 5	7-20	To Comdt N.Y. To NY Reqst vandyke 10/5 N.Y.-Fwds prints. 10/14 W.	Reqst modification of drawing W N.Y.-Fwds vandykes and prints. 8/10 W. To Inspr Brook Gives Action cc NY 10/4
575845	7-21	To NSD Comdts Norf- 8/3 W Pug.Sd.-6 insulators will not be required. 8/4 W MI-insulator report. 8/11 W	Porcelain deck entering insulators W RB 8/2 W. Norf- 7/26 W To Norf 7/29 Phila-Recommends 6 insulators be carried in stock. 8/3 W. N.Y. 8/16 W
575850	7/22	To Comdt Washn	Fwds vandykes W
575842	7/23	To Comdt Washington	Porcelain insulators assignment of to radio laboratory Wash yard W
577427	7-29	To Comdt Coast Guard	Fwds print of drawing W
575853	7-29	To S&A	Reqst shipmt of insulators from M.I. to Naval Academy W 8249 RB 12/8 LR. To MI Reqst weight of insulators 10/12 MI 10/28 W S&A 12/9 W.
577968	7/28	Electrose Mfg Co	Fwds prints showing Electorse adjustable Air gap arc insulator. W.
570779	FROM CARD 52		Herring Hall Co. (M) Rep. will call 7/29 W.

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Number.	Date.	From or To—	Subject.
578667	8/1	Washn.	Design problem #11 /Electrose entering in insulator -report cov test of. W.
581482	8-22	To S&A	Reqst shipment of insulators from Wash to Ports W 8561 RB 9/15 W.
582664	8/25	Electrose Mfg. Co.	Reports fwding electrose adjustable air gap arc insulator to Washn Yard for test. W.
		Electrose Mfg. Co. 9/29 W.	
		Washn-Report on test of insulators submitted by Electrose Mfg. Co. 12/5	To Washn. Gives Inform rel test of insulator 9/17
			To Electrose Mfg Co ~~Reqet~~ will fwd report of test 9/24
583173	8/29	N.Y.	Fwds vandykes and prints. W.
53793	9/1	To MI	Rel Test of Porcelain suspension insulators 629 W
584388	9/7	Ship Owners Radio Service	Request authority to purchase insulators. W.
		To S&A Fwds correspondence ~~10/11~~ Gives Action cc Shipping Board ~~10/11~~ NY Phila Norf-Pug Snd 10/11	To Shipping Board Fwds instrns 9/14 Shipping Board recommends insulator be used with sets already installed W
Dept-585182	9/12	Copy action to S&A 10/14 W Washn.	Have no insulators in stock available for shipt to Ports. W. To Ports Gives In orm cc CO 9/15
50713	9/13	N.Y.	Insulator radio status of shipments SW 629
586488	9;19	USS OHIO	Reports receipt of insulators from Electrose Co for test-reqt instrns. W.
			To CO OHIO- Test desirable 9/29

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Number.	Date.	From or To—	Subject.	
569156	6/9	Electrose Mfg Co	Request Bureau comments on metal inserts employed with safety strain insulator of the arc-over type. W.	
569489	6/13	Hopewell Insulation & Mfg.Co.	Fwds sample of antenna insulators. KW To Hopewell Ins Co 7/5 Hopewell Insulation & Mfg Co-addtl samples of insulations have been furnished.W	
556249	6/14	Norf.	Calls attn to broken condition in which insulators were recd.	771-2
570751	6/20	Electrose Mfg. Co.	Request Bureau accept insulators rejected because center flange insert as not composition G as required. WD. To Inspr Brook 6/30	
570779 Corning Glass Wks-reqt further information-7:12-W H.C.Fry Glass Co-7:21-W BELOW Corning Glass Works-7/23-W. To H C Fry Glass Co 7/27	6/20	Bur Stand Labr	Recommends Corning Glass Wks and H. S. Frye Glass Co. be requested to become interested in using their glasses in insulator manufacture. W. Corning Glass Co.- Rqst prints. 6/30 W H.C.Fry Glass Co-ask type of insulator used-7:12-W	
569979	6/18	To Ship Bd	Fwds bprint copy of "Test of porcelain entering insulator removed from german destroyer at Norf. W	771-2
570658	6-21	To Comdt Wash	Fwds drawing W	
570779 ABOVE Corning Glass Co.-(T) Representative will call 7/29/ #53 TO CARD	6-23	To Corning Glass Wks 7/27 W.	Reqst info if subm sample insulators made of PYREX glass- W copy Bur Stds To H C Fry Glass Co ditto 6/23 To Corning Glass Works 7/19 To Fry Glass Co 7/19 Corning Glass Co.-(T	

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Number.	Date.	From or To—	Subject.
571435	6/23	Electrose Mfg·Co·	Request copy of report of test of new i sulator tested at Washn. W.
573117	7/6	To Elec Mfg Co	Thanks for supplying representative with ten new type entering insulators for use in aux trunk of USS PENNSYLVANIA W Elec Mfg Co-will submit new set of plates-7;8
573480	7;6	Continental Fiber Co To Continental Fibre Co- Fwds report 10/18 W	Calls attention to seamless bakelite dilecto tube developed and fwded to radio test shop.W To Wash 7-9 To Continental Fibre Co 7/9 Washn- Subm report of test on seamless moulded bakelite dilecto tubing submitted by Continental Fibre Co. 10/11 W.
573121	7/7	To Comdt Wash	Fwds vandyke copy of drawing for use in radio test shop W
573291	7-13	To S&A	Reqst shipment of insulators from CO PENNYL to Dept Wash. W 8068
573850	7-14	To Bureau of Standards	Design problem, 10 test of electrose insulators W Bur Stand Labr-Report of test on insulators 9/3 W
573854	7-14	To S&A	Reqst shipmt of insulator from Norfolk to Bureau of Stds W 8129 RB 9/7 W

Number.	Date.	From or To—	Subject.
552248	3/14	Pug. Sd.	Fwds descriptive matter and photostat of sketches relating to an electrical strain insulator devised by R. H. Marriott which may be patentable. W.
	To Robert H Marriott via Pug Snd- Fwds specn 10/8 Pug Sd 10/17 fwds path W		To W.H.Marriott via Puget Sd 5-19 Pug.Sd.-Fwds specifications claims and drawings to R. H. Merriott. 5/27 W.
	for patent number see 896		
555777	4/5	CO OHIO	Fwds letters from Electrose Mfg.Co. also prints rel to electrose insulators. W.
555731	4/6	To Washn	Fwds Vandyke-Radio telephone W
557888	4/18	To Continental Fibre Co	has completed Tests on sample insulating material ;Appws matterial W
	To Phila 7/21 copy S&A Phila. 8/3 W.		To Continental Fibre Co- Gives list of points brought out during investigation 4/25
558833	4/20	Electrose Mfg.Co.	Are fwding two radio test shop sample insulator for test. W.
			Electrose Mfg.Co.-Electrose insulator fwded to radio Labr, Washn. 5/17 W.
564878	5/20	To Washington	Porcelain suspension insulator from Sayville Weqst return to Ohio Brass Co. W
			To Ohio Brass Co. reqst comments rel failure 5/20
			Ohio Insulator Co.-Rqst further details. 5/23 W
			FwdComdt NY 6/27
565227	5/20	Electrose Mfg.Co.	Rqst authority to witness test of insulator at test shop, Washn. W.

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Number.	Date.	From or To—	Subject.
563570	5-23	To S&A	Reqst shipmt of insulators from Washington to Puget Sound W 7500 RB 7/18
560500	5/19	Electrose Mfg Co.	~~Representative will call and submit inform rel to test of insulator.~~ 731-1
565999	5-27	To N.Y.	Reqst cost estimate be furnished, Chattertons compound W N.York- Fwds sample of Chatterton's compound. 7/1W To N.Y. 7/15 NY-Compound shipt to Exp. Sta. 9/26. 9/27 W
566718	5/30	Formica Insulation Co	Ask if Bureau has recd duplicate set of sheets and rods. W.
564879	6-4	To Ohio Insulator Co.	Reqst comments in re failure of insulator W Washn. 6/20 W.
568009	6-8	To S&A	Reqst shipmt of insulators from Great Lakes to NSD Brooklyn W 7725 RB 6/27 W. To S&A shipt order from GL to NSD 6/28 7725 RB 7/7 amendment 61)
568015	6-9	To S&A	Reqst shipmt of insulators fro Annaplis to Bureau Standards W 7733 RB 6/21 W

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[OVER.]

Number.	Date.	From or To—	Subject.
539738	1/11	Westinghouse E/M Co.	Fwds sample of bakelite micarta tubing for test. W.
		To Westinghouse- Fwds sc report 4/15	To Washington 1-17
		Westinghouse E&M Co-4;21-W	Washington- Fwds report on test of Westinghouse bakelite micarta tubing. 4/11 W
		West E&M Co-4;21-W	
539306	1-20	To CO OHIO	Power rating of antennas. Problem 16- W To Annapolis- issue of insulators from Annapolis W 1-20 copy Wn CO OHIO And CO Annp.
541787	1-24	To Formica Ins Co.	Bur has delivered to representative copy of drawngs, tests of insulating material W
542332	1-25	To Comdt Washn	Design problem 119- of porcelain insulators for ship use. W
		Washn-fwds report on test of German porcelain insulators.W	Washn. Fwds report on test of sample of TB Duplex radio telephone set. 3/2 W. X 902. W.
544536	2/2	Dubilier Cond Co	Calls attn to high tension Insulator switch Co. has developed for antenna condensers. 882-1
545579	2/7	Electrose Mfg.Co.	Fwds prints showing latest type electrodes adjustable arc gap insulators. W.
		Electrose Mfg.Co. 2/17 W.	To 2-16
		Electrose Mfg Co-Fwds electrodes insulator 3/3 W.	Electrose Mfg.Co. 2/15 W.
		Electrose Mfg.Co. 3/14 W.	To Elec Co 3-12
545835	2/10	Hopewell Insulation Mfg.Co.	Fwds samples of air gap antenna insulator. W.
546116-	2/5	Mare Isl.	Insulators for stock- ask if shall be obtained by open purchase or local requisition.W
MI 2/28 W			To MI 2-17
			To MI 3-12
546040	2-12	To N.Y.	Reqst info rel insulator type SE 1694- Wn conn machining of entering in tubes on subms bldg at Bridgeport W copy Bridgeport. W
N.Y. 3/9 W.			N.Y.- Swds marked print showing bearing template 2/25 W

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Number.	Date.	From or To—	Subject.	
546042	2-14	To Brock	Stock on hand- insulators- W To NY advise stock on hand 2/14 N.Y.- 3/3 gives stock on hand W N.Y. 3/10 W.	
549562	3/3	Boonton Rubber Mfg.Co. Boontoon Rubber Co.-(T) Ask when drawings will be fwded.3/22 W. To Boonton Rubber Mfg Co Fwds Plans 3/24	Request specifications cov test of insulation for radio purposes. W. To Boonton Rubber Co 3-7 Boonton Rubber Mfg.Co.Rqst other prints be fwded. 3/11 W.	
550110	2/22	Pacf.Fleet	Recommends Porcelain insulators be substituted for electrose insulation radio antenna on NEW YORK WYOMING TEXAS & ARKANSAS. W To Pac Fleet T 3-9	
550866	3/8	Continental Fibre Co.	Request addtl test of bakelite dilecto products be made. W. To Continental Fibre Co. Gives inform 3/15 Fwd Wa hn 3/15 RB 4/19 W	
550748	3-12	To Washington	Design of porcelain insulators for ships. problem 119- W	
550364	3/8	Ship Board	Rqst authority to subm porcelain insu- lators mfgd by Telefunken Co. in Germany to radio test shop, Washington for test. W	771-2
551202	3-14	To S&A	Reqst shipmt of insulators from Annapolis to Bur Standards W RB4/18 W.	6602

INSULATORS

Number.	Date.	From or To—	Subject.	
530514	11/19	N.Y.	Fwds vandyke rel to electrose insulator.	W.
531244	11;23	Lowenstein Co	Fwds copy of letter to Electrose Mfg Co relative to protentials imposed on radio antenna by undamped wave change.W To 12/31	
531151	11-26	To N.Y. Tel	Wire data number of type insulators which will be installed on PENNSYLVANIA and ARIZONA W N.Y.- (T)- Porcelain insulators will be installed on PENNSYLVANIA & ARIZONA. 11/27 W	
531443	11/23	War Dept	Request inform as to latest experience of Navy as regards entering or lead in insulators and insulators in antenna for radio sets. W	
531343	12/7	To War Dept	Fwds drawing, in conn insulators for antennas for radio sets. W	
534811	12-15	To Electrose Mfg Co	Approval of insulator for naval service type number CH 1618 assigned for identification purposes W To N.Y. approval 12/15 copy Brook Electrose Mfg.Co. 12/6 W N.Y.- Fwds prints. 12/22 W.	
		Cost Inspr Brook-Copy of action to Electrose Mfg.Co. 1/18 W.		
534725	12/13	Washington	Recommends drawings of insulators be changed to require type number of insulator to be permanently marked on same. W.	
535378	12-18	To S&A	Reqst shipmt of insulators from Portsmouth to Washington W Ports- Fwds bill of lading 12/27 W. Ports- 1/20 W To Ports 2-1221	

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INSULATORS

Number.	Date.	From or To—	Subject.
535483	12/17	Nav Sup Depot	Request drawings covering porcelain insulators. W. To O-I-C Brook Fwds Plan 12-24
535512	12/17	Independant Wireless Tele. Co.	Ask if Navy has any safety strain insulators for sale. W. To 12/21
535018	12/20	S&A	CITY OF BALTIMORE' rqst authority to purchase radio insulators. W. Fwd S&A 12-27
535857	12-22	To Firms To Westinghouse El c & Mfg Co Ack receipt of insulators 3/28 Washn- Fwds report on routine electrical and mechanical test of wiring rod insulators. 8/11 W To Washington 8/23 Washn-Fwds prints.9/7 W	Advise rel subm drawings covering porcelain parts for insulators W To -- Fwds Plan 12-27 Locke Insulator Mfg.Co.- Subm quotation. 1/4 W To Locke Ins Co 1-8 Westinghouse E/M Co. Will ship samples on 3/8 to Washington. 2/12 W. To Locke Ins Co 2-14 To Washington 2-17 Westinghouse E/M Co.--Rqst comments on samples submitted. 3/17 W.
537056	12/27	Inspr Brook.	Request specifications covering outline of test on elec insulating materials for use in radio apparatus be furn. W. To Inspr Brook Fwds specens 12-29
538021	1-6	To Comdt Boston N.Y. IM Norf N.Y. 1/17 W N.Y.- 1/19 W	Reqst info as to date insulators installed on vessels battleships of Atl Fleet W Norf- No insulators available 1/14 W RB Boston 1-18-21 To Comdt Boston and IM N.Y. 1-18-21
538906	1/5	Diamond State Fibre Co.	Request outline of test of electrical insulating materials for radio apparatus. W. To 1/10

Number.	Date.	From or To—	Subject.	
516365	8/28	4th Dist. Sales	Request authority to sell 200 insulators to Radio Corpn of America. W. fwd S&A 9/17	
516671	9/10	NY	Reqst-auth to mfg radio insulator adapters	RW 689-11
517040	9-16	To S&A	Reqst shipmt of insulators from FSB to MI W RB 6/27/22. W.	
517041	9-16	To S&A	Reqst shipmt of insulators from FSB to Puget Sd. W	
517431	9-17	To S&A	Reqst shipmt from FSB to M.I. insulators W RB 6/27/22. W To MI- Gives status of shipment 5/5	
518428	9-27	To F.S.B.	Stock of electrose insulators. Advise status W Fleet Sup Vase- Subm information requested. 10/8 W.	
521209	10/5	Hopewell Insulator Mfg Co.	Request print and specifications covering insulators, W. To 10/9 Hopewell Insulation Co.-Will subm samples 10/15 W	
523193	10/14	Lowenstein Co.	Request drawings listed be furn in conn with test on electrical insulated materials. W.	
523707	10/18	To Inspr Pitts T	Advise procedure followed conducting acceptance test SE 1577 insulators Ohio Brass Co W Inspr Pitts- 10/23 W. To Inspr Akron 11/2 To Inspr BF Goodrich 12/13 Inspr Pitts- Copy of action to Ohio Insulator Co. 1/3 Y	

Inspr Pitts- Fwds data on radio Insulators furn by Ohio Insulator Co. 1/17 W.

N.S.E. Form 134.

INSULATORS

Number.	Date.	From or To—	Subject.
524668	10/20	Fleet Sup Base	Request copy of drawing covering lead in insulators. W. To SC Brook Fwds print 10-25
527059	11/1	Diamond State Fibre Co.	Request further test of condensite cell be made. W. To 11/9
526439	11-5 N.Y. 1/27 W. To NY 2-4-21 N.Y.- 2/17 W.	To IM's Comdts	Stock of insulators on hand- instructions in conn with subm reports W Key West- Monthly radio report 1/7 W 1-18-21 To IM NY and Comdt Bos ton instructions To NY 2-28
235 528295	11/8 To Electrose Mfg 12-1 Electrose Mfg. Co.-request further information- 12/2 W.	Electrose Mfg. Co.	Request comments on maximum voltage obtained 35 KW arc transmitter in conn with tests of insulators. W. To 11/11 Electrose Mfg. Co.- Request necessary Inform be furnished. 11/13 W.
528947 Formica Ins Co-copy of action to Radio test shop-4;23-W	11/10	Formica Insulation Co.	Request Bur arrange to test various classes of Co's products. W. Formical Insulation Co. 12/4 W To 12/13
NSA 163/20	11/13	To Inspr Pitts	Insulators as mfg by Ohio Brass Co. Req action as to early delivery WRS
529863 To IM NY Est apprvd 11-27 N.Y.- Subm estimates. 12/20 W Boston 1/5 W.	11-19	To Boston & N.Y. T	Examine immediately stock insulators if not supplied, mfgr of parts apprvd advise action taken and cost work Boston & NYork W N.Y.- (TW- Estimates cov manuf of loading down bolts for insulators. 11/22 W Fwds catalog describing electrose insulators manufactured by Jeffry Dewitt Insulator Co. in conn with porcelain vs electrose instulators. W Fwd Washn 11-27 RB 12/14 W To Wash 12/20 Wash . 1/3 W.
530254	11/18	Ship Board-	

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[OVER.]

INSULATORS: RADIO 1920

Number.	Date.	From or To—	Subject.
499557	6-16	To S&A	Reqst shipmt of insulators from Washington to Boston W
	Amendment of 9/22		Amendment of shipt order 12/6/20 Boston; reports receipt of 14 cars each containing one main insulator; 9-9; W
	S&A- Copy of action to Boston.12/3 W.		Fwd Boton 9-22
499560	6-17	To S&A	Reqst shipmt of insulators from Washn to Norf W To Washington- instructions rel shipt 6-29 copy FLA UTAH PA IM NY Norf Boston To IL Norf Gives action 11-24
499559	6-17	To S&A	Reqst shipt of insulators from Wash to NY W RB 1-13 21 N.Y.; ask when shipment will be made; stock exhausted; 9-13; W
	Reqst amendment of reqst of 11/22 11/30		Amendment of 9/22 Fwd NY 9-27 Amendment of shipt order 11/22
499450	6-18	To Electrose Insul Co	Reqst copy of insulator 57 be fwded to Bur W Electrose Mfg.Co. Fwds insulator print. 6/22 W Ports- Fwds cut of electrose insulator. W. 6/26
500760 00	6/21	Elec. Test. Labr.	Request copies of test methods used for testing insplators. W. To- Fwds copy of specfns 6-24
501463	6/24	Lowenstein Co.	Request copy of outline of test on elec insulation material for use on radio apprs. W. To Lowenstein Co fwds 6-29
504909	6/25 7/9	Electrose Mfg.Co. War Dept	Request copy of outline of test of elec insulating material for use in radio apparatus W. To fwds 7/17 Electrose Mfg. Co.- Rqst missing prints be furnished 7/19 W To Electrose Mfg Co. fwds 7/29 Electrose Mfg Co. 7/31 W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
504787	7-14	To S&A	Reqst shipmt of insulators from N.Y. to Subm Base Coco Solo W To S&A- reqst status 9/3	
To 60				
505736	7-19	To M.Island	Assignment of insulators for instln on vessels of Ship Bd. To Ship Bd fwds copy 7/21 To M.I. fwds drawing 7/26 copy Ship Bd	W
505737	7-19	To F.S.B	Assignment of insulators on contract 49960 mfg by Ohio Brass Co. Shipt order from FSB, to Phila 11/22 RB 2-2-21	W
506068	7-20	To S&A	Reqst shipmt of insulators from Washnto N.Y. W RB 7/31 W	
507488	7-28	To Phila	Advise number on hand Phila- 8/2 W.	W
507402	7-30	To Fed Tel Co.	Fwds copy of drawing/ W	
508277	7/29	Fwd S&A	Radio telegraph BO Dept air mail service order RE 112 7/29/20 for insulators. W	876
513159	8-25	To S&A	Reqst shipmt of insulators from N. Y to Radio station St Petersburg. W	
515640	8/17 9/3	Electrose Co. N.Y.	Fwds addtl drawings, insulators. W To NY 10/1 N.Y. Request action 9/29 W. N.Y.- 10/20 W To NY 11-30	
		To NY Reqst inform re change in design of insulator plan 10-27 N.Y. 12/8 W		

Number.	Date.	From or To—	Subject.	
482031	3-16	Dubilier Condenser Co	Lt Comdr Will will recommend that test made at company's laboratory by inspector be final and accepted at Boston yard; W	
41603	3/6 3/17	Flt Supply Base Brook	Complications and increased cost, due to inspection of insulators after delivery on contract with Electros Manfg Co- submits recommendations- SL	629
485185	4/1	General Insulate Co.	Fwds sample of Navy radio knobs for test. W. To. reqst duplicate set 4-8 Gen. Insulate Co - fwds samples with prices of - W	
485907	4/6	Inspr Brook (T)	Request copies of test on electrical insulation material for use in radio apparatus. W. To Inspr Brook fwds 4-9	
486527	4/7 4/8	Chasn S&A	Request authority to sell ship owners, Radio Service Co. safety strain instulators. W fwd S&A 4-12	
5795	4/26	Washington	Subm report on inspection of porcelain suspension insulator at Ohio Brass Co. R	706
492075	5-10	To Lapp Insulator Co	Fwds copy of drawing. W To Locke Insulator Co fwds 5/10 Locke Insulator Co. 5/12 W.	

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N.S.E. Form 134.

Number.	Date.	From or To.	Subject.	
493158	5/6	Mare Island	Re uest requisition covering insulators be returned, disapproved. Fwds drawings.	WR.
494254	5/17	Radio Corpn of America	Request report on test of insulators manufactured by Ohio Brass Co. To Radio- fwds prints 5-25 Radio Corpn of America 5/26 W.	W.
496075	5/24	Ports.	Requests vandykes of various sizes of porcelain insulators, be furn. To Ports. subm to C&R 6-3 fwd C&R 6-3 C&R- 6/12 W.	R.
428497 4	FROM 38		To Genl Insulate Co. Fwds copy of report 5/26 To Formica Ins Co. have furnished rep copy of specfns covering insulating matrl 1-21-21 Formica Ins. Co. 1/27 W. To Hopswell Ins Co 2-10-21 To Wash 3-9 To Diamond State Fibre Co- rel authorization to Wash yard to test sheet insul matrl 3/9 Washington-fwds special report on test of insulating material. 2/28 W To Washn. Confirms verbal reqst that Washn. yard repeat and conduct addl test on sample Formica sheet material 4/23	
	Washn-4:30-W Washn- Fwds report cov test of condensate seleron submitted by Diamond State. Fibre Co. W. 10/11			
499156	6-14	To S&A	Reqst shipmt of insulators from Phila to Mare Island W RB 4/6 W	
499450	6/14	Ports	Request vandyke of electorse insulator. To Po ts. reqst info type 6-19 To Ports- fwds prints 7/2	W.

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INSULATORS

Number.	Date.	From or To—	Subject.
363712	FROM CARD 45		Inspr Cramps 8/2 W.
			Inspr Cramps- 8/31. W.
			Inspr Cramps 12/6 W
			1922
			Inspr Cramps 1/10 W
			Inspr Cramps- 2/1 W
			Inspr Cramps- 3/1 W
			Inspr Cramps- 4/5 W
			Inspr Cramps 5/2 W
			Inspr Cramps. 6/1 W
			Inspr Cramps . 7/10 W.
			Inspr Cramps 8/1 W
			Inspr Cramps 9/1 W
			Inspr Cramps- 10/3 W
			Inspr Cramsp 11/8 W
			Inspr Cramps 12/8 W

N. Eng. 134

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
2940	2/11	Wash	Porcelain deck insulators- recommends be fwd to Flt for test - SW	629-1
477321	2/21	To PENNSYLVANIA	Service test of porcelain insulators. shipt order 130-6 477323 of 2/21/20- Design problem 7- W To CUYAMA- serivce test- problem 7- reference Ship order 477322 508-6 of 2-21/20 W To IM NY reqst fwd plan to CO's 2/21 NY- Fwds prints of porcelain insulators. 3/2 CO PENNSYLVANIA 4/23 W CO PENNSYLVANIA 6/22 W.	
477595	2/24	To IM Ny	Reqst vandykes be fwded W NY- Fwds insulator vandykes. " 3/2	
478316	2/26	Washington	Fwds special report on test of porcelain entering insulator manufactured by Locke Insulator Co.	W.
NSA 834	2/26	To S&A	Does not consider purchase advisable pending results of tests by Wash Yd on design problem 7- copy FSB	WR
480716	3/5	Phila	Antenna lead support insulators - fwds prints and recommends approval of manufacture of.	W.
F.S.B. 1045	5-11	To S&A	Insulators type SE-1557 complete with shields. delivery under. copy to F.S.Base and Pug Sd. W	

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N.S.E. Form 134.

INSULATORS

Number.	Date.	From or To—	Subject.
363712	FROM CARD 42		Pug.Sd. 3/4
	Inspr Union 7/7 W		Mare Island 3/4
	Ports. 8/2 W.		Union - 3/6
	Norf. 8/3 W.		To Comdt M.Island 3/30
	Chasn. 8/ 30 W		To IM NY 3/30
	M IS-8:3-W		Norf 3/31. W.
	Inspr Union 8/7 W W		Phila 3/31. W.
	New Orln.		Key West 3/31. W.
	Chasn. 8/30 W.		Inspr Beth 3/31. W.
	Norf 8/31 W.		Inspr Cramps 4/3 W.
	Key West 8/31 W		Chasn. 4/1. W.
	Inspr Cramps 9/3 W		Pug.Sd. 4/2. W.
TO CARD	Mare Island- 8/30 W.		Mare Island- 4/3 W.
	Ports. 9/3 W		Inspr Union 4/7 W.
45 - A	Inspr Union: 9-8: W		Mare Island- Gives reasons why insulators
	New Orleans; 9-10; W	m	have reached such a low level. 4/10 W.
	Ports. 9/27 W.		Mare Island 4/10. W.
	Norf. 9/30 W.		Key West 4/30 W.
	Chasn. 10/29 W.		Phila. 5/3 W.
	Key West 9/30 W.		Norf 5/3 W
	Inspr Union- 10/ 1 W		Chasn. 4/29 W
	Mare Island 10/2 W.		Inspr Cramps 5/5 W
	New Orln. 10/13 / W.		Union - 5/4 - W
	Norf: 11-1: W		New Orln 5/7 W.
	Chasn. 10/30 W.		Mare Island- 5/6 W.
	Key West- 10/30 W.		Pug.Sd. 5/6 W.
	Inspr Cramps 11/5 W.		Key West 5/29 W.
	Ports. 11/4 W.		Chasn. 5/26 W
	Mare Island 11/1 W.		Phila 6/1 W
	Inspr Union- 11/5 W.		Norf 6/2 W
	Key West - Subm. report. 11/12 W		Inspr Cramss 6/2 W.
	Inspr Union- 12/2 W.		Pug.Sd. 6/2 W.
	Inspr Cramps 12/31 W		Mare Island 6/2 W
	Ports. 12/31 W.		Inspr Union- 6/4 W
	Inspr Union 1/4 W		New Orln 6/24 W
	Inspr Cramps. 1/31 W		Phila 6/30 W
	Inspr Union- 2/2 W.		Norf 6/30 W
	Inspr Union. 3/4 W		Inspr Cramps- Fwds insulator report. 7/1 W
	Inspr Cramps 3/9 W.		Ports 6/30 W
	Inspr Cramps 4/2 W		Key West 6/29 W
	Inspr Union-4:4-W		Mare Island 6/30 W.
	Inspr Union 5/3 W.		Chasn. 7/1 W.
	Inspr Cramps 6/2 W		Key West 7/30 W.
	Inspr Cramps-7:6-W		Inspr Cramps 8/2 W

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[OVER.]

INSULATORS 1920

Number.	Date.	From or To—	Subject.
336487	FROM CARD #26 S&A-Copy	action to Washn. 7/26 W	Ohio Brass Co. 1/12 Ohio Brass Co-1;21 To Ohio Insulator Co Gives inform re price of trans set 4/19 Ohio Brass Co. Will advise later, rel to purchase of arc set. 4/21 W. Ohio Ins Co-reqt Bureau suggestions-4;26-W To Ohio Insulator Co. Gives Instms 4/30 Ohio Insulator Co. 5/18 W. Ohio Insulator Co.-(T) Desire to retain arc set. 6/8 W. Ohio Insulation Co.- [T] Request action.6/15 W To Ohio Ins Co Tel 6-16 To S&A- reqst action- 6-22
469333	1/13	Formica Insulation Co.	Request copy of report of test on Formica.W
471350	1;22	NY	Request insulator prints.E
472161	1;24	Washn	Submits report on test of porcelain deck insulators furnished by Locke Insulator Co and Ohio Brass Co.W
472682	1;28	Washn	Have made arrangement to test sample insulator submitted by Ohio Brass Co.W
472849	1;28	Electrose Mfg Co	Fwds prints showing electrose adjustable arc gap insulators.W
472850	1;28	Electrose Mfg Co	Fwds various types of insulators to Washn yard for test-also fwds prints.W

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N.S.E. Form 134.

INSULATORS

Number.	Date.	From or To—	Subject.	
472226	1/28	To Comdt Phila	Reqst advise number of porcelain insulators in store Phila Yd. W Phila. 2/2	
473212	1;31	Washn	Submits report of test pressures applied to porcelain insulator mfgd by Ohio Brass Co.W	
474021	2/6	To S&A	Reqst shipmt from Fleet base to Wash radio appr. W	
457095	2/6	Phila.	Fwds report of test of characteristics of Safetee glass for use as insulators.	907
475773	2/12	N Y.	Fwds insulated drawings showing changes made in dimensions.	W.
475983	2/13	Washington	Subm report of test of Submarine entering insulators manufactured by Ohio Brass Co.	W.
476100	2/7	Puget Sound	Instln of rigging insulators and grounding strips for smoke stack guys on all battle ships beginning with DELAWARE. subm estimate and request immediate action. To Puget Sound (T) 2/19 Pug. Sd. Subm estimates. 8/30 To Puget Sd(T) 9/7	W.

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[OVER.]

INSULATORS

1919

Number.	Date.	From or To—	Subject.	
461291	12/3	Westinghouse E.M Co.	Fwds print shpwing porcelain insulator.	W.
461049	12/5	To IM. N.Y.	Reqst fwd to Washington prints of drawings listed. W	
462129	12/9	To S&A	Reqst shipmt from Phila to Bellefonte Pa. radio appr for Postoffice Dept. W	
462289	12/8	C&R	1" rigging insulators for Battle Ships may not be delivered in time for instln; rqst new rigging be provided so that ship's Force may substitute.	W.
462396	12/9	Washington	Comparative test of entering in insulators-report covering.	W.
464320	12-23	To C&R	Rigging Insulators for Battleships. W C&R1/6	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
465291	12/19	Puget Sound	Insulators still due will be required for radio instln on Battleship and Shipping Bd. vessels.	W.
465798	1-2	To Westinghouse Co	Fwds prints Antenna insulator. W	
466828	1-6	To S&A	Reqt shipment insulator from F.S.B. to Newark N.J. W	
466829	1-6	To S&A	Reqt shipment insulator from F.S.B. to College Park Md. W RB 5/3 W	
468063	1/8	Norf.	Request insulator vandykes. To- Fwds prints. I-10	W.
471350	1/26	To N.Y.	Fwds vandyke of insulator drawing. W	

INSULATORS

Number.	Date.	From or To—	Subject.	
454336	10/25	N.Y.	Fwds vandykes showing moulded composition insulator. W.	
454594	10/27	Natl. Lead Co.	Request authority to give R.D.Lillibridge parts for Marconi and wireless Imprvt.Co. apparatus. W.	
455121	10/30	New York	Only 202 electrose insulators in stock-cannot be replenished as contractors plant is closed, due to strike. W.	
456948	11-8	Wash.	Rqst disposition of porcelain entering insulator purchased from Locke Insulator Co. recd at Test Shop. To Washington 1/27	W
457256	11/6	Puget Sound	Request shipt of insulator listed for WYOMING, ARKANSAS, NEWYORK & TEXAS. P S 11-24 (T) Rqst info re delvy of insulators. Fwd C&R 11/26 C&R -Copy of action to Pug.Sd. 12/1	W.
458381	11/19	To S&A	Reqst ship from Ph to Washington P.O. Dept 30 Elec insulators W	

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N.S.E. Form 134.

INSULATORS

Number.	Date.	From or To—	Subject.	
363712	FROM CARD 36		Boston 11/11.	
	Inspr Union 1/2		Inspr Bath 11/29	
	Inspr Bath. 12/31		Key West 11/29	
	Puget Sound 1/5		Chasn. 12/1	
	New Orln. 1/1		Boston 12/3	
TO CARD 45	Phila-1;30		Norfolk 12/2	
	Inspr Bath-1;31		Inspr Union 12/2	
	Chasn. 1/31		Inspr Cramps 12/8	
	Key West 2/3		Inspr	
	Mare Island 1/31		Mare Island 12/2	
	Boston 2/4		Puget Sound -Reports on insulators on hand.	12/3
	Inspr Union 2/4		Phila. 12/17	
	Inspr Cramps 2/10		Chasn. 12/29	
	Pug Sd. 2/4		Norf. 1/2	
	Norf. 2/11		Phila. 1/2	
	Key West 2/28		Key West 12/31	
	Phila. 3/1		Mare Island 12/27	
	Inspr Cramps 3/2		Boston 1/3	
	Norf- 3/2		Inspr Cramps- 1/5	
	Chasn - 3/1		Ports. 1/5	
	Inspr Bath 3/4			
438224	from Card #40		Inspr Mass.- Subm list prepared by Jas. Hughes & Son, on sales of mica made to Wireless Specialty Appr. Co. W. 11/17	
			Wireless Spec. App. Co. 11-21	
			Wireless Spec.Appr.Co - Request status. 12/19	
			To Wireless Spec co copy S&A 2/17	
461270	12/1	Prospective Co	Rqst procelain radio insulators be supplied to vessel instead of electrose insulators. W.	586-6
	12/1	Insp FR		

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N.S.E. Form 134.

INSULATORS:

Number.	Date.	From or To—	Subject.	
444137	9-5	Norf.	Insulator fittings. Connector for- Fwds prt. W To Norf- Norf dr insulator fitting connector as a whole disapproved 9/27	
444219	9-6	Great Lakes	Rqst bureau arrange for immediate shipment of insulators. fwd FSB 9/12 Fleet Supply Base 9-16 States will purchase safety electrose insulators on O P rqsn.	W
444436	9/6	Airc Facty	Streamline insulators for Skid-Fin antenna 918 Fwds sample- Rec be tried out. W.	
440704	FROM CARD 40		American R&R Corp 9-9 Will fwd sample condenser test shop 9-15. American-RR Corp-Reqst comments. 9;27 fwd Cdt Wash 10/6 Washington-Report of test of air condenser. 11;1 To American R/R Corpn- fwds copy of report 11/5 American R/R Corpn 11/12 American R/R Corpn.- Fwds folders and discount sheets covering condensers. 11/5	
445588	9-12	Electrose Mfg. Co.	Submits plans showing air cooled flange locking insulating connectors. Electrose Mfg.Co-fwds prints showing flanged locking insulating indicators-1;23	W

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INSULATORS

Number.	Date.	From or To—	Subject.	
297239	5/29	To S&A	Requirements insulators, fiscal year 1919	672
451894	10/17	To S&A	Rqst shipt of insulators from Phila. to Norfolk. W. RB 10/29	
?? 488242	9/29	C&R	Copy letr to various yrds fwds prints of proposed standard method of rigg ing insul on battleships W	876
437199	FROM 39		To Inspr NYS- fwds copies of corresp 10/23 Inspr Cramps 11:3 Portsmouth - 11:4 Mare Island 10/31 New Orleans 11:3 New Orleans 12/1 Ports. 12/19 Ports. 1/3 Ports. 2/2 Ports. 2/6 New Orln. 2/7 New Orln. 3/3 Ports. 3/9 Ports. 3/1 W Ports. 3/31 Ports 3/31 W. New Orln. 4/19. W. Ports - 4/29 - W. Ports 5/2 W Ports- 5/29 W Ports 6/29 W. Ports 7/30 w Ports. 9/2 W. Ports. 10/4 W. Ports- 11/4 W. New Orln. 11/11 W. Ports 12/3 W	

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INSULATORS: 1919

Number.	Date.	From or To—	Subject.	
438224	8;4	Wireless Spec App Co	Sub infor re large amt of spec mica on hand, reqst Bu assistance in securing disposition of. W Fwd S&A. 9-13 To Inspr Boston 11/13 S&A-Copy of let to Wireless Spec Co. 10;7 Wireless Spec.Appr.Co.-Fwds copies of correspondence for further consideration 10/23 Wireless Spec App Co-Asks if will place ord to use up mica Calls attention to SE letr of 7/22 reqstg info rel to redesign of insulatros W (11;5 Electorse Mfg Co. 8/22	
TO CARD # 42		To Wireless Spec App Co-Reqst further information. 10;31 Wireless Spec.Appr.Co. 11/10 To Wireless- Info reqst how much mica purc from other Co's since pur made Watson Bros 11/13		
437925	8/9	To Electrose Mfg Co		
438687	8/11	To Ports	Fwds two sets of blueprints. W Ports 9-18 (T) Asks diameter of dotted circle shown on plan. W Ports 6/29 W To Ports- when available will issue insul to various yards for instaln 7/7	
		Ports- Ask probable date of delivery of insulators- 12/1/20 W.		
3413	8/5	G E Co	Request approval of use of the bakelite compound for insulating material for pliotrons. S	629
439146	8;11	Inspr Union	Tel-Ask if Gov or contractors are to supply insulators. W To Inspr Union Tel 8/12	
439736	8/18	To Wash Yd	Req tests be made on RY 61AA 350 with bakelite paste on flanges, expediting same W Washington- Fwds report of test on porcelain entering-in-insulator subm by Ohio Brass Co. 11/14 To Washington completed 1/4/21	
		Wash - fwds report of test of electros entering insulator - 12/11 To Wash. 1-12 To Wash 12/20 Washington- 12/29 W. To Wash 3-12		

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
439461	1;2	Boston	Fwds letter to Wireless Spec App Co in con with test made on condensers. W
SE 20/20	8/23	To Wash	Rejections of bids, and asks firms be reqstd new bids W
439864	8;7	Ohio Insul Co	Deck bushings for radio work, sub report with photos cov. W
SE 20	8/18	To Locke Insul Co	Req proceed wih samples in accordance with change given. W
SE 20	8/18	To Ohio Insul Co	Req proceed wih samples in accord with chage given W
440704	8;19	Railroad Corp (American)	Fwds photos cov condensers. W
TO CARD 41		American Radio & Research Corp	Fwd Comdt. Wash 8-27 RB 9;2
		9-8- Have referred matter to Medford Hillside.	To American Radio & Research Corpn.- req fwd sample to Wash 9/6
440210	8/21	To Ohio Brass Co	Asks fwd sketches and info re insulators can supply W Ohio Brass Co - 8;23

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[OVER.]

INSULATORS

Number.	Date.	From or To—	Subject.	
436203	8/1	To Comdt Washington	Reqst test of insulators, Electrose RY 61AA 350 Insulators special design by N.Y. Yard W Washington - Comparative test of standard special entering in insulators - report covering. 12/9	
436998	7;25	MI	Reqst copy of all plans showing insul used in radio work. W	
437249	8;8	Dublier Cond Co Tel (T)- 8-18 To Inspr Brook	Rejected antenna cond being rec with parts missing and units dismantled. W. Dublier Cond Co-Tel-Reqst immediate investigation to stop further destroying to Gov material. W 8;18 To Boston-Reqst report of condition of cond. 8;12	
437198	8/5	To Inspr NYS Co.	Reqst number of insulators in stock of types enumerated in letter of 11/6/18 and 11/12/18 be ascertained and fwd info covering W Inspr NYS- 9;18	
436782	7/17 8/1	Cavey NY	Fwds photos of antenna insulator broken in shipment W	920-4

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Number.	Date.	From or To—	Subject.	
433721	From Card 38		Diamond State Fibre Co-Fwds report on new insul material. W Westinghouse E & M Co-Sub list. 8;6 Electros Mfg Co-States sending bulletin, catalogue and new design of insulators. 8;29	
437199	8/5	To IM'S Comdts, Insprs	Reqst fwd reports for August W	
SEE 41	Portsmouth 9-4 Mare Island 8-30 Inspr NYS 9-10 Monthly report on insulators.		Inspr Cramps 8;8 Key West - 8;11 New Orleans - 8;14 Portmouth - 8;14 9th Dist - 8;15 9th Dist-Fwds insulator report 8;15 Inspr NYS 9-2 Portsmouth 9-2. Inspr Cramps 9-5 Submits report of insulators now in store. Gr Lakes 9-3 New Orl 9-3	Inspr Cramps 10;4
To I.M. to Inspr RB from S&A 10/31	Ny-mReqts prompt reply be made NYS. copy to Inspr NMS. 9-13 Potts- 10;1 Inspr NYS 10;21 9th Dist- List insulators in stock) 10;6			
438060	8;6	Dubilier Cond Co	Fwds prints showing dimensions of condenser for for new design, asks if can substitute for for old type. Cross to 882 - 1 To Boston- Req sub ~~results of tests~~ 9/2 To Dub Co- ~~results have not been recd~~ 9/2 Bost 9-8 Samples from Dubilier not yet recd	
4854	7/17	S&A	Rqst instructions as to items of mica desired in stock, N.Y. and Boston. S&W. Fwd / S&A. 8/4.	629
5128	8/5	Dubilier Condenser Co.	Fwds copy of letter to Boston Yd with reference to rejected antenna condensers. W&S.	629

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INSULATORS

Number.	Date.	From or To—	Subject.	
427667	6/24	To NY	Reqst take steps to lear if any change in material entering Electrose insulators or in the mfg process which might account for present failure of insulators, fwd report W New York 9-15 Submits result of chemical analysis.	
427665	6/24	To Comdt Washington	Reqst obtain info covering insulators, tests of fwdg to Bureau, as endeavoring to obtain more suitable type of insul for operating in conn w arc trans. W.	898
428494	6/26 To Washington req fwd prints 12/5 Wash - fwds report - 12/12	To Washn	Reqs tests be made on sheet insulation material from Co listed W Wash- 7;5 Washington 9-6 Submits preliminary report Washington Yd- Fwds test of sheet insulating materials. 5/22 W	12/2
46	To Comdt Washn- rel test 5/10 Washn-Report on test of moulded insulated knobs subm be General Insulate Co.			
428495	6/25	To Ohio Insul Co	Reqst quotation on insulators, according drawing enc W To Locke Insul Co ditto 6/25 Locke Insul Co 7;1 Locke Insul Co-Quotes prices. W 7;18 To Locke Co- req info re samples 8/14	
429898	6;27	Fleet Sup Base	Conf tel conv stating insulator and beckelite will be shipped to Naval Radio Res Lab by express.	W
431345	7/11	To Comdt NY R	Reqst fwd descriptive data for each insul listed in list enclosed. W To NY asks rep to letr of 7/10/19 to Cdt NY 8/21 NY - 8;22 NY - 8;28 ~~Inspr-Pitts-Fwds-photos~~	

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[OVER.]

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.
433721	7/22	To Firms Listed Circular Letter International Insul Co-Fwds list of parts. 7:26 W Ohio Brass Co 7:24 R Thompson Sons 7;29 National Lead Co- 7:30 J M Co-List asbestos wood fwd to Wash for test. 7:31 Mitchell Rand Co - 7:31	Bureau is preparing specns for annual contracts covering radio insulators and radio insulation materials for fiscal year 1920- Req fwd descriptive matter etc. W International Insul Corp-Fwds list of parts furn. 7;24 Formica Insul Co- Fwds prints 7;30 J DeWitt Insul Co- Fwds descrip of motors cov high tention insulators. W 7;24 Pitts High Voltage Insul Co-Fwds copy of catalogue. 7:24 Locke Insul Co-R gst fwd new spec. 7:28
Card 39			
434819	7;23	Electros Mfg Co	Fwds copy of let from NY yrd rel to test of insulator also price.. W
434817	7;21	Electros Mfg Co	Offers to extend cont 41603 to 9:30 to enable ~~place~~ Navy place additional orders at low present prices' W To- acknow rec of letr- 8/9 , Electrose Mfg Co. 8/22
436202	7/31	To Electrose Mfg Co	Req rel to progress on use of magnesium oxide for use radio insulators. W Electrose Mfg. Co. 8/22.
436204	7/31	To Washington Yd Washn. Fwds report of test of Porcelain guy insulators manufd by Ohio Brass Co. 6/17 W	Reqst elec and mech tests be conducted on insulators ship to Wash for investigation. W Wash. Yd.- Subm report on test of porcelain saddle type guy insulators. 12/9 To Cdt Wash 2/6
436205	7/31	To Wash Yd	Reqst insulators proposed for use on submarine sets and sub by Ohio Ins Co be tested W

INSULATORS

1919

Number.	Date.	From or To—	Subject.
417894	5-15	To S&A	Reqst shipment from Sayville to Washn four German saddle type white porcelain insulators W
418446	5-15	To Liberty Elec Corpn.	Advises satisfactory to supply compass coil shaft 8 ft 2 in and 5/16 inc long instead of 8 ft 2 inc and 13/16 inc long. W
419969	5-22	To Locke Insul Co	Reqst cy of Insulator Book and data on porcelain insulators, of value in adapting insulators to radio installns W
420944	5;24	Inspr Lake	Reqst furnish three electros insulators, one to replace one damaged in installing, other two for spares. To S&A req ship from Bost to Bridgeport insulators 5-29 RB 6;26
420985	5-27	To S&A	Req ship from South Brooklyn to Washn insulators W
		To S&A- Reqts expedite delivery of material listed. copy to Wash. 1-20 Fwd S&A 2/3 S&A 2/28 Wash.-Shipt received. 4/10. W.	Washington- Request furnish Fleet Sup Base with drawings. 11/18 fwd NY 12/6 S&A- Copy of action to Washington. 2/4
427666	6/24	To Ohio Insulator Co	Reqst fwd drawings W

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Number.	Date.	From or To—	Subject.	
422092	5-31	To Norf	Rel to substitution insulators for Norf HP station. W	
			To Norf-Insulators cannot be obtained.	6;25
423122	6;3	Inspr Newport News	Submits list of radio insulators on hand.	W
423437	5;27	Balboa Cristobal	Submits report on antenna insul recs Arcover petticoat type be supplied Darien.	W
			To 15th Dist- rel to antenna insul for stat for Repub of Panama and Chal Zone 6-18	
427402	6;11	Thermal Syndicate	Calls attention to their vitreoil (fuse pure Cilicon) for quartz vessels for thermonic valves for radio.	W
			To Western Elec Co- reqst info re above 6/24	
			To GE ditto 6/24 To Dept of Commerce ditto 6/24	
			GE Co-Gives reason why advantageous to use quartz bulbs. W 6.27	
			To Thermal Syn- sug commun w GE Co & Western Elec Co 7/15	
			Western Elec Co-Comments on use of quartz.	7;17
			Thermal Syndicate 7;31	

Number.	Date.	From or To—	Subject.
411879	4-21	To Ohio Insul Co.	Asks info action taken on insulator with metal cable clamp and 45000 volt submarine antenna insulator taken up with rep March. W
		Washington- Subm specifications for porcelain insulators. 12/23	To Washn- reqst tests be made 5-8
		Fed. Tele Co. 2/3	To Wash- Reqts specifications for Ohio Brass Co's insulator No.1 be fwded. 12-12
		To Washn 9/30	To Fed Co 1/30/20
		Washn-Fwds special report on test of porcelain insulator. 1/18 W	
412041	4-21	To S&A	Req shipment from South Brok to Washn two electrose insulators. W
			To NY- insulators will be tested at yard NY 4-22
413241	4;25	To S&A	Reqst ship from Radio, Va. to Washington of one case insulators. W
363712		From Card 32	Charleston - 5;1
		Norf 7;7	M. I. 4;26
TO CARD 42		Inspr Newport News 8;8	To Union Iron Works-Reqst number of insul be turned into store at MI 5;2
		Pg Sd- 8;8	~~To Union Iron Works--~~
		Inspr Bath 8;8	To Mare Island-Reqst obtain from stock NY insulators for install. 5;3
		Phila-Submits report on insulators 8;30	Inspr Union 5;6
		Key West-Sub report on insulation. 8;30	Pg Sd - 5;8
		Charleston 9-1	Boston 5;3
		Inspr Bath- Submits report of insulators in stock.	Charleston 6;1
		Inspr Union Iron Wks-9;6	Phila 6;5
		Puget Sound 9-4	Norf 6;5
		Norf 9-10	Pg Sd- 6;4
		Boston 9-11 Gives list of insulators on hand.	Inspr Union 6;10
		Chasn. 10/28	Inspr Bath 6;16
			Boston 7/2.
			Charleston 7;2
			Inspr Union 7;1
			Pg Sd 7;1
			Norf 7;12
			Inspr Bath 9;30
			Key West 10;2
			Pg Sd 10;2
			Mare Isl 10;11
			Inspr Bath 10/31
			Phila. - 10;31
			Inspr Union 11-3

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Number.	Date.	From or To—	Subject.	
415525	5;3	To Locke Insul Co	Reqst that rep call at BU. W To Ohio Insul Co-Reqst that rep call at BU. W 5.3 Locke Insul Co - 5;5	
416398	5;3	Marconi Co	Micarta finished for box, asks if work started will be changed.	W
416346	4/19	P Snd	Submits report of trouble experienced with electros insulators on.	929-771
417642	5-13	Fwded C&R	Cy of report submitted by Ohio Brass Co on development of instulators for use in rigging battleships, comments. W RB 5;26 C&R-Copy of letter to Atl Fleet, fwd sample of insulators. 5;24 C&R 6;23	
418677	5;15	Pg Sd Tel	Reqst ample stock of radio instal be sup Pg Sd Yrd. Cross to 689 - 17	W
405534	FROM CARD 35		Westinghouse E&M Co 5/14 Submits test data- Formica Insul Co-Reqst report of test. 10;18 Formica Insulator Co-Reqst report of test. 10;18	

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Number.	Date.	From or To—	Subject.	
405534	3-27	To Firms	Advises Bu is conducting comparative investigation of sheet insulatin materials for use in radio telg equipment- asks samples be submitted- Cont Fiber Co-Will fwd copy test.	
	To Firms-	advises re changes in proposed tests, 4-7	Diamond State Fiber Co-Fwds copy of test run by Elec Test Lab NY. W 3;31	
TO 36		Diamond State Fiber Co- Fwds sample of cond celoron. 4;15	Formica-Insudatinn Co-Req instruction cov shipment of samples' 4;3	
		Formica Insulation Co-Will Change samples listed. 4:10		
		Cont Co-Fwd copy to Bu Stahd test on beca lite delector material.4;30		
405550	3-27	To S&A	Reqst shipment from Fleet Base to Phila insulators,	
			To N.Y.- reqst expedite 3-28	
			To NY Tel 4-4	
			New York 4;18	
405670	3-28	To Electrose Co	Asks procure standard forms of electrose making same into plates for test.-	
			Electros Mfg Co- Fwds prins showing improved type of insulated bushing and connectors. W 4;10 To- comments 4-17	
BALBOA SE	10 4-1	To S&A	Fwds info recd in despatch March 24th- non-receipt of insulators,	
406482	4-4	To S&A	Req shipment from Fleet Base to Washn bakelite dilecto grade XX and micarta, etc. W	
			To NY- instruc re shipment, marking of 4-7	
			NY 5;13	
409348	4;8	Electros Mfg Co	Calls attention to rod type strain insulator, fwds prints.	L

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INSULATORS

Number.	Date.	From or To—	Subject.	
396944	2/8	S&A	Submits detailed report of Navy Mica Expert covering production etc. L.	672-2
401178	4-12	To S&A	Reqst shipment from Palo Alto Cal, to Norfolk, porcelain insulators. W To GE- reqs quotations 4-15 To Fed Co- confirms phone, issued shipg instruc, asks have material released at factory 4-15 GE Co-Submits quotations.	4;18
363712 see 32	4-15	To Inspr NYS	Reqst report giving no of insul be fwd on first of each month. W To Phila ditto 4-15 GL 4;21 Phila- 4;25 Inspr Newport News 5;2 Norf 5;5 Phila 5;6 Inspr Newport News- 7;2 Inspr Union 8;5 Key West 8;11 Inspr Newport News 10;10 Norfolk 11-8	
411225	4-16	To Westingthouse Co.	Confirms verbal agreement with Mr. Adams fwds prints of std test specimen for determination of machining qualities of laminated insulation material, advises re falsh-over voltage test. W Westinghouse E & M Co-Fwds prints of research div. W 4;19	

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INSULATORS.

Number.	Date.	From or To—	Subject.	
393308	2-10	To Comdt Phila.	Rqst be supplied with 1 vandyke of drawing Supports RL 61AA 113B- Rqst #1204. W	
355995	10/8	To Wash.	Washington-Submits report of test of insul. sub by Genl Insul Co. 1/15	898
395989	2;17	RA	Asks if bureau disapproves placing order with Dub Cond Co for mica condensers. To S&A- advises re future orders 2-28	
396138	2;18	Phila	Req delivery of antenna insulator be expedited.	
399757	3-4 Elec Mfg Co-3;20 To NY Tel 9/2 N Y 9-8 Comparative test of insulator RT 61A 313-B and Electrose #160.	Electrose Mfg Co	Electrose disc type strain insulators- Fwds memo of test made at N Y and rqst permission to furnish insulators of this new design - W To NY- provided figures correct authorized to allow sub 3-8 To Electrose Mfg Co 3-18	
398659	3-11	To Locke Insulator Co	Approves reqst re purchase of one wireless head set from We stern Elec C o.	

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INSULATORS:

Number.	Date.	From or To—	Subject.	
402099	3;6	MI	Req drawings porcelain insul devel for high power station. To Mare Is- fwds prints 3-21	
400888	3-12	To NY Tel	For Supply Officer period Bakelite material W ashington Y ard reqst three two eight one and three two three eight twng overdue and urgently required comma seriously handicapp work most important report status- W NY-Tel-Gives req number. W 3;14 To New York 3-17 tel shp made	
384761	3-17	SEE CARD #32	To Pittsb 3-17 Inspr Pitts-Asks if shall fwd via Mare Island. W 3;27 fwd Inspr Pitts 6-1	
402514	3-17	To S & A	Correction of requisition. W Fwd S & R 3-17 correction of requisition	W
405443	3;25	Pg Sd Tel	Req immediate express ship of electros insul, cannot secure material from NY. To P.SL- Tel 3-29	W
405335	3-26	To H.W. Johns-Manville Co ~~Arma Engr Co-No comments. 5;13~~ Johns-Manville Co-Fwds sample of asbestos wood and J P condensite W 5;13 J-M Co-Lists equip being sent to Wash for test. W 5;14 J M CO-Asks if asbestos wood rec. 5;21 J. M. Co 6;6 J M Co-Asks if located. 6;26	Reqst supply us with approximately 10 sq feet of each grade asbestos lumber forms, re test on sheet insulations, also reqst copies of data sheets or reports from Elec Testing Lab or Bu Standards John Mansville Co 4;17 To- will test such molded material as wish to submit 4-16 Johns-Mansville Co- Will fwd sample of asbestos wood. W 4;19 To JM Co ship not recd 6-5	

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INSULATORS:

Number.	Date.	From or To—	Subject.	
385867	1;15	Electros Mfg Co	Are fwd sample of insulator material to Crocker Wheeler Co. W	
385876	1;18	To 12th Naval Dist	Fwds prints showing type of antenna insulators now used.	
387219	1;19	Atl Fleet	Sub report on operation of radio tel insul. W	
389058	1;19	MI	Req vandykes of insulators. To M Is- Fwds drawing moulded composition insulator 1-29	W
390379	1;28	Phila	Conf tel conv in con with sup of insulators from New York. S&A-Copy of endorsement to N^Y directing take care of sets of Phila Yrd. 2;3	

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1919

Number.	Date.	From or To—	Subject.
390357	1;25	2nd Dist	Req authority to return insul to New York, which cannot be used. To 2nd Dist-Auth 2-1
389369	1-30	To S&A	Asks that actionbe taken to supply monthly shipmts of Electrose Safety Strain Insulators W
391901	2-6 To Ohil Insulator Co 3-17 Locke Insul Co-Fwds prints showing insul. 3;18	To Lock Insulator Co	Reqst info Bu any developed insulator believe would be applicabl , dimensions as listed- W To Ohio Insulator Co ditto 2-6 Locke Ins Co-Fwds prints. 2;11 To Lock Insulator Co. 3-15 Request c notify bureau of any developed insulator. that would apply.
391116	2-4	To Mgr, NY	Asks info fwd rel pevison of stock insulator list- To N.Y.- Reqss fwds vandykes be fwd 3-31 NY-Submits reasons why insulator should be made obsolete. 5;12 to NY- ask info reply letter 3-29 5-13 NY 5;16
393625	2;8 To 8th Dist (T)- Shipt insulators 2-13, 2/14	8th Dist	Sub report of necessity of insulator to be carried in stock for use of radio instal on vessels. W Fwd S&A 2/12 8th Dist-Req NY ship insulator. 2;13
393300	2-10	To Comdt 12th Dist.	Antenna insulators for High Power Stations. Tensile strength of these units has been reduced from 10,000 lbs to 6,000 lbs as they are being fitted with aluminum instead of steel. W

INSULATORS:

Number.	Date.	From or To—	Subject.	
378966	12;24	Farnica Ins Co	Req report on test of insulator material	
380964	12;28	Dublier Cond Co	Must have complete radio information in order to test condenser, req loan of equip.	W
366486	SEE CARD 30-31		To E.J.Simon - Fwds copies of corresp to Electose Manf Co re re-design of insulator support	W
324671	8/6	To J M Cory	States that Lowenstein will not deliver insulators until 8/21	W
308537	CARD 29		Received back from S&A 1;2	

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INSULATORS:

Number.	Date.	From or To—	Subject.
		SEE CARD 35	
363712	SEE CARD 31	To MI- upon receipt of further info will take action 3-28	Second Dist 1;1 Ports-Insulator report 1;7 Inspr NYS - 4;17 MI- Insulator report 1;3 Inspr FR-Submits report. 1;10 Charleston- 1;29 Portsmouth-Insulator report 2;1
Fwd to Card 36	To Electrose Mfg Co- Suggest make shpmt in 2 lots at intervals of 2 weeks- 2/15 8th District 3/1 Inspr Bath 3/3 Submits report - Cramps 3/4 Submits report on insulators on hand - Inspr MI 4;12 Portsmouth 3/1 2nd District 3/1 Charleston 3;10 Ports 4;1 (T) To Ports, Pensa, M.I. ect requesting reply to Bu. Letter of 11/6--11/26 MI - 3;15 Key West 4;12	To Inspr Machy- Asks monthly report showing quantity of certain type insulators on hand 1-3 2nd Dist - 2;1 Boston - 2;4 Inspr FR- 3;17 Charleston - 2;6 Pg Sd - 2;3 None-Lists insulators on hand. W To Comdt 8th Dist. Fwds one vandyke of each of drawings listed - 2/8 Inspr Newport News- Inspr Bath - 2;10 List insul on hand. 3;31 ~~S&A-Class1901-cancled.~~ Pg Sd 4;5 Inspr Union 2;7 Inspr Union 4;5 Peth S B Corp-Req have Electros Mfg Co make immediate shipment. 2;12 immediate shipt. be express 2/20 Req change in location of insulator on 2kw transm. W
To---New Bruns-Reqst. SO NY be instructed to make 384025	Fwds list insul. W 2;25 1;9	Lowenstein Radio Co	
384761 SEE CARD 34	1;14 To Inspr Pittsburgh- Asks that Gov B/L be furnished on above shipmt 1-30 To Inspr Pits 1;30 back 2;8 Inspr Pitts 3/1 Inspr Pitts 3;8	Inspr Pitts To Inspr Pitts- (T) ~~ASKS~~ Furnish Govmt Bill lading for shipmts of insulators manf by Ohio Brass Co- Needed at Annapolis-Asks status 1-13 B B 3;13 T o Inspr Pitts- info reqst 3-10	Copy of let to Akron directing arrange for inspec of insulators.
385796	1;15	Washington	Fwds invoice of Electros Mfg Co cov moulds and protection of cov and terminal brd. WR

INSULATORS:

Number.	Date.	From or To—	Subject.
370976	11;19	Dublier Condenser Co	Inquires for condenser, req complete spec cov. W To Dubilier Condenser Co-Gives specifications 11-30
371673	11-25	To NY	Rqst safety strain insulators, drawing be shipped to Phila, W
371677	11-25	To S&A	Rqst shipmt radio apparatus NY to Inspr NYS, W Inspr NYS 12;30
363712	CARD 29	See Card ~~32~~ 45	Inspr Union-Lists insulators on hand. 11;27 MI- Tel 11;27 Inspr NYS-Insulator report. 11;27 NY Ship 11;27 Inspr Cramps-Ins report 1;6 Pens-Tel- Eight in stock 11;29 MI- Insulator report. 11;21 9th Dist-Report on insulators. 11;29 Inspr Union 11;27 Newport News - 1;2 Inspr FR- Insulators on hand. W 11;30 Inspr Cramps, Insulators on hand. 11;30 Inspr Bath- Submits report 12;3 Boston-Sup report. 12;3 Key West-Insulator report. 12;6 Report on insulators with 2 kw sets. W
		To Beth SB Corp, re urgent need of insulators. 12-12 To Inspr FR- Asks that list of radio tel insulators in sotck be submitted 12-13 Charleston-Insulator report 12;1 New Orleans - Insulator report 12;19 To Beth -NY- Asks info that Elec trose Manr may be instructed re shipmts 12-23 Beth S B Corp - 12;30 Key West 12;30 Pensacola - 1;3 Pg Sd-Submits report 12;21	
374294	12;2	Fed Tel Co	

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INSULATORS:

Number.	Date.	From or To—	Subject.
3[illegible]6020	12;4	Dublier Cond Co	Fwds copy of let from Phila in con with payment of account, req bureau expedite payment covering conditions. W
375027	12;4	Fed Tel Co	Fwds prints showing outline of deck insulator developed by Company. W
375079	12;4	Dublier Cond Co	Req fwd final prints for 2 kw protective device. W **Dublier Cond Co-Sub infor retest. 12;13;18**
375578	12;6	Electros Mfg Co	Fwds copy of let from Beth S B Co asks if material has been shipped, and asks if shall go on with the mfg of. W To—,comments re above,12-12 To------Info reqted not recd from Beth 12-23
363712 fr. cd 29	12/7 To Ports 1/6/21	Inspr. Union	Insulator Report. To Inspr Bath- Additional quantity of radio insulators on hand be applied to destrys 133-4 1-4 9th dist 2-4
366486	12/18	See Card 30	Fwds copy of letter from Electrose Co and drawing indicating necessary alterations that should be made to insulator. W Electros Mfg Co 12;30

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INSULATORS

Number.	Date.	From or To—	Subject.	
364995	11-4	To Natl Elecl Supply Co	- Reqts that SE-3566 coupling boards be equipped with type SE-1238 insulators rather than machined bakelite insulators W To S&A Reqts shipmt from Phila to Natl Elecl Co- 175 coupling board insulators 11-4 National Elec Sup Co 11;22 To Phila. Reqts. that th add. insulator be supplied to the Nat. E.Sup.Co. 12/5 Received back from Phila 12;17 Phila- 2;1	
365042	11-6	To Electrose Mfg Co	Fwds inform re fullfillment of Navy Orders W To Western Elec Co re production of insulators 11-6 Electros Mfg - 11;19 Western Elec Co 11;18 To-— No objection to filling Weston Elec order for insuators 12-2	
		See Card 31 -32		
366486	11;5	Phila	Insulator for Duplier Condenser on assignment of 1 kw radio set broken in shipment.	
		To Electros Insulator Co-Describe insulator giving trouble-asks present status of redesign 12-2	To Simon Re difficulties experienced with insulators upp. transmitt. condenser on transmitter 11/12	
		Electros Mfg Co-Rec no req from Simon to change mould. 12;6	E J Simon Co 11;25	
365759	11/4	New Brunswick	Reo test to determine increase in height of antenna due to short circuit of guy insulator	875
365614	11-7	To S&A	Rqst shipt radio apparatus NY to Wash W	

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INSULATORS:

Number.	Date.	From or To—	Subject.	
357400	10/29	To NY	RE Bu let of 10/14- item 144 is a split procalain insulator having two groves to take No 10 to No 14 wire. W.	918
369850	11;15	Electros Mfg Co	Fwds copy from Electros Mfg Co stating bureau will not consider use of mold spokes, test not conducted on.	
	ergency transmitter authorized Electros Mfg Co 1;17	1-15	To—comments on above 11-21 To Wireless Specialtyin re above 11-21 American R R Corp. - Asks if have authority to use ~~mould~~ modle hubs and spokes' W To Am Radio and Research Corp- Use of Elcectorose spoke and hub under existing schedules for em	
370737	11;18	Charleston	Req radio vandykes. To Chasn, Fwds vandykes 11-23 Charleston-Vandykes list received. W	11;29
370887	11;18	Washington Yard	Bulkhead insulator, fwds report on breakdown test. W	
370889	11;16	Pg Sd	Fwds list showing exact numbers of insulators on hand W	
369743	11-21	To Federal Teleg Co	Re test of sample insulator , rqst info W	
370069	11-20	To Norf (T)	Radio insulatorsoshipt by NY today W	

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[OVER.]

INSULATORS

Number.	Date.	From or To—	Subject.	
			Fwd S&A, 11-25 To Norf (T) re rqst for radio insulators 11-13	
308537	10-21	To M Is- (T)	Fwd Phila 11-7 NY expressed 7 radio insulators NY 61AA 351 Oct 16th lading 17712	Back fr Ph W 11;23
Card 32	To Phila- Has arranged with NY to make immediate shipmt of 25 insulators 10-28		NY Oct. 17 Telegram to radio insulators shipped Oct. 11 W Phila 11;1 back 1122	
360459	10/15	Fwds S&A 16 back 11;2 C&R	Recommends substitution of heat resistance insulators which attach the auxiliary antenna wire to fwd spreader due to effect of hot gasses from forward smoke pipe on Destrys	Q-6
359381	10/18	To (T) Ohio Brass Co.-	Ohio Brass Co. 10/27 Telegram rprts ship two additional insulators. Rqst you fwd info date 1st shpmt insulators for New Brunswick station with route fwded-W Ohio Brass Co. 10/19 Telegram schedule of shipmnts W.	920-7
362144	10;25	Electros Mfg Co	Tel- Partial shipment made 10;10 to K C Co	
352143	10;23	Roller Smith Co	Radio ammeters shipped to K C, balance on 11;16 W	
363205	10-29	To Phila	Reqts that 35 vandykes of RL 108B be fwded W Phila- Fwds type of plans 11;4	
363815	10-28	Ohio Insulator Co	Inquiry from New York Yard covering porcelian rods in accordance with sketch inclosed: will be in position to handle further orders covering W To--- Does not intend to make reqth for any insultors of this type-11-4	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
363492	10;28	Lowenstein Co	Comments on rec in con with boring holes on insulators used on 2 kw antenna switches. W	
363711	10-31	To NY	Electrose Mfg gives deliveries as ~~listed~~ listed of insulators	W
363712 To Chasn (T) insulators shipt 11-16 to cd 31	11-1	To Beth- CARD 31 New Orleans-Sub type number and type of insulator on hand. Inspr Union Iron Works-Lists insulators on hand. W 11;20 To Naval Stations & Insprs,(T),immediate reply to letter rqst re stock radio insulators,11-26	SEE CARD 35 Asks No of Electrose insulators FR and Union will required up to Jan 1st W To Insprs, Comdts & Yds, Rqst report on stock of radio insulators for Antenna Const 11-6 To Coms. Reqts. on 1st of month re insulators in stock. 11/11 Charleston - 11;12 Phila 11-13 Submits report Ports- Tel 11;27 Norfolk-Submits list of insulators. 11;12 2nd Dist-List insulators on hand. 11;12 Fwds report on test of Lacke insulator W	
364684	10;31	NY		
365042	11;1	Electros Mfg Co	West Elec Co req quotations cov insulators, have sub quotations. W To M Is- If not in stock reqtn should be made on NY Yd for above 11-30 Electros Mfg Co 12;30	
365503	11;4	Genl Insulator Co Genl Ins Co- Tel- Req prompt action. W 11;6	Dublier Cond Co req approval for use of insulator material for antenna wire on cont. W To Gen'l Insulate Co (T) insulating mat'l not to be employed in high 11-7 To—comments on above 11-15	
365848/3	11-4	To Electrose Mfg Co Lowenstein Co-Sug changes in drawings. 12;21	Reqts that tapped holes in bottom and side insets in isnulators -RE61AA 115 until after inserts are moulded in W Electros Mfg Co 11;19 To Lowenstein. Re difficulty due to inserts in insulators for switches 12/3	

y—3381

[OVER.]

INSULATORS:

Number.	Date.	From or To—	Subject.	
308537	9;9	Shipment order fwd	Received back 9;26 SEE CARD 27	
		shipment can be made 10-14	S&A - 9:28 To NY (T) Make immed. partial	
		NY Oct. 16 Tele. insulators will be for-	shipt. rad. insulators. 10/4	
		warded at once to Mare Island W	To Norf (T) re shipt two radio insulators 10-10	
CARD 29		To (T) Norf- In re to shipment of	To NY- (T) M Is M Is urgently needs radio insu	
		insulators- 10-18	lators drawing RY61AA351-advise when partial	
		NY Oct. 18 Telegram insulators shipped Oct. 16	NY-Tel- Insul will be ship by exp.	10/8
353894	9/21	American Salvage Co	Fwds samples of herculate manfd by Herculate	
			Co in connection with making insulating	
			material for Department - request tests of - W	
			To---- Will authorized tests of their materials	
				10-1
354273	9;30	Boston	Req drawings be furnished/ W	
354808	9;25	American Salvage Co	Req action on letter of 21st.	
354688	10/4	To N.O.	Reqts. corrected sheets be fwd. SE.	
		New Orleans 10/11	To---Reqts. corrected sheets be fwd. 10/4	
		Fwds prints	NY Oct. 8 Fwds material sheets	
354373	10/5	To Boston	Encl. copy of of type # Bulletins. W	
357218	10-11	To Phila	Rqst corrected sheets be fwd re insulators	
			electrose. W	
			Phila- Fwds inventory. 10;21	

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N.S.E. Form 134.

911 Insulators

Number.	Date.	From or To—	Subject.	
357305	10-11	To Phila	Rqst report of insulators electrose. W Phila- Fwds inventory. 10;21	
357307	10-11	To Continental Fibre National Elec. Co. Oct. 22 International Radio Tel Co 10;25 Cont Fibre Co-Troubles which mfg have experienced not due to material.. 10;28 Wireless Improvement Co- Rec use of fiber. 10;28	Rqst inform re quality of your XX Grade bakelite_ directo W Marconi Co-Comments on trouble with. 10;25 To Natl Elecl Supply Co- Reqts matter of inferior quality of above be reviewed and report submitted 10-15 C&W-Comments on light 11;5 Continental Fiber Co. Oct. 14 Detail comments Dubilier Cond. Co. Oct. 17 Fwds copy of letter to Continental Fiber Co/ in connection with	
358990	10-16	To NY (T)	Expedite delry insulators RY 61AA 39313350 and 351 Demand for these insulators rapidly increasing Lowenstein Radio Do. Oct/18 Submits report	W
358994	10-17	To Wash	Fwds drawing and samples of revised Electrostatci Shield Bulkhead insulators 6637 reqts test Back from Washington with reports 11;21	W
359366	10/17	Ohio Insul. CO/	Telegram - request bureau authorize American Hard Rubber Co. to deliver necessary tin foil for test of wireless towers To War Industries Bd- Authorizes above-10-18 War Industries Board Oct. 21 To War Indus Bd- App prompt action in release of 200 feet of Tin Foil 10-24	W

[OVER.]

INSULATORS:

Number.	Date.	From or To—	Subject.
339905	8; 25	Wireless Spec Apparat	Fwds prints showing modification so as to decrease use of 5 kw sets. Fwds prints - 8;26 To---- No object . to use of insert on drawing. 9/12 To----States that certain drawing to be followed. 9/14 Wireless Spec Appar Co- Asks if sets mfg by Marconi Co are sub to one hour test. W 9;18
340538	8;16	New York	Insulators are in store ar yard awaiting shipping orders? W
341304	8;23	Ohio BrassCo	Strain insulator in connection with wireless works. Baberton will need another condenser , reqst assistance in expditing delivery of. To----(T) Reqts. to expedite dels. 8/29
308537	SEE	CARD 23 & 28 AND OVER	To Navsta. NY. (T) Reqts. to make immed. parti al shipt. of insulators to Chasn. WS 8/28 NY- TEL: Will ship insulators at once. W 8;30 Same source and date - Cannot supply 100 strain insulators. W
9/3		To Navsta.Chasn(T) Advises NY shipping. NY-Shipment cannot be located req bill lading. 8;27	To Navsta. NY. (T) Asks re insulators for Chasn. 9/3 Charleston-Fifty 150 safety strain insul. 8;27
340886	8/30	To Ohio In. Co. (T)	Asks if able to bid on 300 insulators. 8/30 To M Is- (T) Radio insulators. NY making immediate shipmt 7 RY 6TAA351 all available present time 10-17

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N.S.E. Form 134.

INSULATORS:

Number.	Date.	From or To—	Subject.
308537	9;6	NY OVER & CARD 28	Will have contracts expidited.
To----(T) Asks to expedite shipt. of rad. insulators. 9/9 To Chasn.(T) Shipt. directions for rad.insulators.9/9 To S&A Asks for immed. shipment of in-			To Phila. Asks if have 10 insulators to spare for Chasn. 9/9. To Phila. Same . 9/9 To S&A Regts. shipt. of radio material from Phila. to Chasn. for Merchant vessels. 9/9
344493	9/6	To Ohio Brass Co. (T)	Request your presentative call at B. at earliest convenience. W
			Ohio Brass Co-Tel- Mr. White will be in Washington Monday W 9;6
			New York - None available 9;18
347847	9/14	To Ohio Insulator Co.	Regts. report by Dr. Austin re comp. insulators. W.
308537		See Above	To S&A Asks for immed. shipt. of insulators. 9/16
348747	9;17	Electros Mfg Co	Tel: Schedules of shipment. W
			To----(T) Wire probable del. dates for next 2 weeks. 9/17
			To ----(T) Will expect dels. insulators outlined in yr. tel 17th. 9/18
350731	9;18	Electros Mfg Co	Fwds copy to S&A in connection with ship of insulators to Phil. reg cont cov. W
			To-----States insulators to be purchased under annual contr. 9/24

INSULATORS:

Number.	Date.	From or To—	Subject.	
332704	7;31	New York	Fwds report of arc insulation converter.	
333575	8;2	Lowenstein Radio Co	Reqst all drawings of spoke insulation be marked with sopke number in order to identify W To----- States that spokes will be stamped to call for spoke #s. 8/7	
333538	8;2	New York	Fwds radio vandykes covering insulation.	
330367		See CARD 25 To Firms. Can obtain porcelain insulators from other sources at an earlier adte. 8/10 To Ohio B.Co. Reqts. to expedite compl. of insulators. 9/7	To Lowenstein. Fwds. 1 blueprint copy of Drawing porcelain insulator. W 8/5 Lapp Insulating Co -Submits quotation 8;3 J H Parker Sons - 8;5 Lowenstein Radio Co Balance of sets ready on Sept 15th W 8;8	
335532	8;6	Shipping Board	Asks if necessary to insulate the strip of copper connecting outside plate and through board with radio room. W To----- Not nec. to insulate any portion of the ground connection. 8/14 Shipping Board 8;21	
333254	8/7	To S&A	Rqts shipt of insulators from NY to Bermuda for for Sen Officer present	902

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911

INSULATORS.

Number.	Date.	From or To—	Subject.	
336541	8;12	H A White	TEL: Reqst fwd 30 k w set for test which will enable company to more clearly determine requirements for insulator. W	
337312	8;13	Phila	Confirms tel conversation in which bureau asks if Yard has any insulators on hand for shipment to Newport News.	
336487	8/15	To S&A	Reqts. shipt. of radio apparatus from Wash. to & for Ohio Ins. Co. W	
TO CARD #44		To Ohio Insulator Co- In re repair of loading coil supports for 30 KW arc type transmitters 12-31	Fwds S&A- 9;23 Fwd. S&A 9/27	
		Ohio Insulator Co- Advise if have	Ohio Ins Co-Supporting legs on coils broken. 12;23 finished with apparatus. 1-9	
336502	8/15	To Electrose Mfg. Co.	Reqts. to know what alteration of design of insulator. W	
			Electrose Mfg Co 8;19	
337810	8/17	To Ohio Brss Co.	Reqtd. to hold balance of material for further disposition by this B. W 8/17	
		Ohio Brass Co-Quotes prices 9;6	Ohio Brass Company 8;20	
			Phila- Reqst Ohio Brass Co be given instr to fwd to Phila Yrd 100 insulators. W. 8;27	
			To Phila. States that test are being conducted on samples of insulators. 8/30	
339207	8;19	Radio Lab	Fwds quotations reqst from Boston together with company's reply. Reqst bureau's action.	
			To 1st Dist. Re referring all orders to NY. 9/3	
339774	8;16	Welden Mfg Co		
	8;20	S&A	Insulator sent to radio lab. Phila on 8;14 reqst instru c as to manner of handling in connection with payment W. Fwd S&A 9/17	
33013	8/22	Boston	New insulator being supplied with all sets 629	

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[OVER.]

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.	
324765	7/13	To Coms. & Ind.Mgrs.	Gives instructions as to how & where to obtain insulators & insulating material W	
325118	7/13	To Lowenstein	Fwd. 1 blueprint of drawing showing insulator to be used in assembly of spark gap. W	
326817	7;15	Electros Mfg Co	Fwds copy of test for 159 Electros disc type strain insulator. W To---- Reqts. nec. sketches & samples of insulator. 7/19 Electros Mfg Co. - Fwds prints showing electros arc over distrain insulator. W	7;22
325124	7/16	To Empire China Wks.	Asks cost & dates of del. on manf. of 3000 porcelain insulators. W To---- Fwds. 1 blueprint copy of drawing showing porcelain insulator. 7/17 Empire China Works - Have no equipment 7;20 Empire China Works - Fwds prints 7;23	
327872	7;14	New York	Fwds vandykes of various insulators. W	
327720	7;17	Phila	Reqst drawings of insulator. W To NY. Reqts. 12 vandykes of drawing. 7/19 New York - Fwds vandykes. 7;29	
327634	8;3	Electros Mfg Co	Will fwd samples for approval 8;5 W To----Asks to expedite del. of insulators. 8/1	

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INSULATORS: RADIO

Number.	Date.	From or To—	Subject.	
327839	7;17	Electros Mfg Co.	Strain Insulators, fwds prints covering new design. W	
		To---- Reqtd. insulator be sent to Wash. marked Rad. Test Shop for test. 8/7	To---- Commenting on their type of insulators. 7/23	
		To--- Reqtd. that all spoke insulators be marked tg all for sioks ws. 8/7	Electros Mfg Co - Detailed comments on	8;1
327906	7/20	To Electrose Mfg. Co.	Reqtd. to send several samples of remodeled insulator.	
		Received back 10;4 Electros Mfg. Co. 10/19	To Wash. Encl. copy of above let. to Elec. M.Co. re test of samples. 7/20	
			CROUSE & HINDES - Fwds drawings. L 7;22	
			To----- Quotes tests 10-16	
328486	7/22	To NY	Reqt. 3 vandykes & 2 blue prints of drawing. W	
			New York Fwds vandykes 7;2	
329437	7;22	Phila	Report on test of insulator porcelain rods. W	
330365	7/27	To Wash.	Gives instruct. re samples of insulators	
		To Ohio Brass Co. Quotes abstracts on tests on insulators. 8/31	which will be sent to them. W	
		Ohio Brass Co- Comments 9;6	To---- Re tests being conducted on insulators	8/16
			Washington 8;24	
330366	7/27	To Electrose Mfg. Co. NY 8/19	Reqtd. to com. with NY as to size of samples desired for tests. W	
			To NY. Re tests of Electrose Insulating material. 7/27 Electros Mfg Co	8;1
330367	7/27	To Firms	Fwds. blue print copy of drawings. W	
See		Jeffery Dewitt Ins Co. - Fwds pamphlets	Imperial Porcelain Works.-Not in position to furnish porcelain with metal parts. W	7;27
CARD 26.		Ohio Brass Co 7;29		
331011	7/30	R Thompson & Son Sub quot.	Lapp Insul. Co Quotes prices. W	7;30
		To Ohio Brass Co.	Reqts. add. copy of catalog. W	
331023	7/31	To NO.	Reqts. report on result of tests on insulators. W	

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[OVER.]

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.	
308528	7/2	To NY (T)	Reqts. reply to let. of May 22 re radio insulator. W NY - T - Request action. W 7-3 To NY. Comments & recommendations invited 8/29 New York - Fwds report on supply of insulators. 9;21	
321917	7/2	To B. of Standards	Explains action of Bu. re testing samples of insulating material. W	
322478	7-3	To Washington	Radio tel insulating material Bu is preparing standard specifications for material. Reqts test specimens be prepared and submitted for test. Detail comment and instructions in re. W	
323411	7;3	Marconi Co	Electros Insulator Co fwds report of their inspection. W	
323091	7-6	to NY	Reqts vandykes copy of abstract on deteriorating defects of porcelain.	876
323991	7;5	Electros Mfg Co.	Phila Yardshas sent out inquiry for insulators covered by annual contract, if same are purchased through jobber price will be more than company asks. To—— Thanks them for above let. 7/13	

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INSULATORS: RADIO

Number.	Date.	From or To—	Subject.
324381	7;6	Second Dist	Report of accident on USS 838, recommends insulator be placed in order to avaoid recurrence.
301125		See CARD 19	To Lowenstein. Reqts. to fwd. a piece of ebony asbestos wood of dimensions stated in let. W Lowenstein Radio Co - Cannot furnish desired asbestos. 7;15 Low. - Fwds a piece of ebony asbestos 7;16 To Lowenstein. Ack. rect. of piece of ebony asbestos wood. 7/20
325806	7;11	New York	Improved type electros safety strainer insulator, fwds photo and reports on test of. W To NY. Appov. use of safety strain insulator #159. 7/19
325952	7;10	Electros Mfg Co.	Fwds invoice from Doebler Casting Co covering cost of changes made to disks. W To NY. Reqtd. that requis. be prepared to cover cost of changes to the dies? 7/20
326255	7;13	Ohio Brass Co	Samples of antenae insulators will be available within the next few days, reqst drawings of shield. W
326229	7;13	Ohio Brass Co	Sub report of status of production of porcelain rods for insulators, comments in in connection with test of. W
324763	7/12	To Ohio Brass Co.	Fwd. 1 blue print copy of drawing showing insulator with electrostatic shield. W

To Cont.R.Co. Fwd. pice of asbestos wood for tests. 7/22
Cont Rubber Co - 7;24

To---Asks to expedite del. of insulators? 7/25

Ohio Brass Co 7;15

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Number.	Date.	From or To—	Subject.	
308537		CARD 21	Ports - Fwds copy of material modification sheets. W 6-17	
		Second Dist. - Fwds report of insulator requirements. W 7;5	To 2nd Dist. (T) Drawings fwd 6/18	
		Phila 7;12	To NY Reqts. 6 vandykes & blue prints. W 6/19	
		Mare Island - TEL: Unable to obtain data from inspec regarding shipment order covering insulators 7;26	To N.O. Fwds. 2 blue prints of insulator drawing. W 6/19 Charleston - Tel insul not rec 2nd Dist-T-rqst fwd dwgs. 6/18 reqst NY make partial ship. W 8;23	
CARD 27			Charleston - 6;20	
			Philadelphia 6;21 NY- TEL: Rec further data fur.	
			N Y - Fwds vandykes of electros indicator. 6;28	
		To PS. (T) Reqts. reply to let. of May 22. 7/26	To Yards. (T) Immed.reply to let.of 5/20 reqtd. 7/1	
		Pg Sd - Reqst action 7;29	PG SD - TEL - Sufficient insulators on hand to last through September. W 7;2	
		Pg Sd - 7;28 - Sub stock list of ~~instal~~ insulators showing quantities on hand etc. W	Portsmouth - TEL/ Reply made 6;17 fwds copy 7;2 W	
		Boston - Fwds list of requir. for insulators. 8;3	Mare Island - TEL: Gives action being taken. 7;1	
		Pg Sd - 8;3	Portsmouth - Fwds correspondence W 7;3	
		Puget Sd -- 8/14 To NY. Reqts.	New Orleans - Lists insulators reqr. 7;5	
318611	6;19	Electros Mfg Co	shipt. 8/27 To Chasn. How many strains needed 8/27 Report fwd by, expressed two sets of hubs and spokes made up of their new grade of electros material. W ~~Electros Mfg Co. 6;20~~	
308033	6;18	New York	Old Number Electros Mfg. Co. 6;20 To Elec.Mfg.Co. Ack.rect. of let. of 6/20. 6/25	
318200	6/20	To Firms	Re mechanical tests conducted on moulded & fibrous insulating matls. To Timus Olsen TM Co Rqts literature re testing machine of tension & co mpression type	
319241	6/21	To NY	Reqts. you fwd. 8 sets blue print of drawings listed in letter. W	876
			New York - Fwds prints. W 6;28	

N.S.E. Form 134

Number.	Date.	From or To—	Subject.	
319735	6;21	F Lowenstein	Corrects markings of drawings fwd. W To NY Reqts. change in drawing of insulators.6/27 New York - Fwds prints 7;17	
319439	6/25	To Electrose Mfg. Co.	Asks if equiped for manf. of elec.insulators.W To NY Asks # of insulators in stock. 6/25 Electros Mfg Co. 6;26 received back 8;13	
~~309644~~	~~5/25~~	~~To Yds~~	~~Radio Tel Insulating Material relative to insulating materi l required for stock.~~	876
320636	6;25	Electros Mfg Co.	Fwds result of test made at N Y yard of their 160 arc strainer insulator. W To NY. Quotes & comments on above letter.6/28 New York - Contractor will fwd additional samples for further test. W 7;8	
320635	6;25	Electros Mfg Co.	Fwds photographs of U S war ship. W	
321249	6;26	Ohio Brass Co	Antenae insulator, reports on status of their experiments. W	
321488	7/1	To Mare Is.	Calls attention to wrong numbering of drawings.W	

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[OVER.]

INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.	
312729	6-5	To Doehler Die Casting Co- Drawings RY 61A 187B and 61A 188B- are in error- bladrs are nottapered- Rqst all die casts inserts have a taper as indicated in drawings RY 61A 165 and RY 61A 166- W To NY-- as above--6-5 Doehler Die Casting Co-rqst dwgs showg parts. W 6/8 NY - Fwds vandykes. 6-14		
313029	6-5 Shipment	TO S&A Order back 1;4	Rqst shipment from NY to FR for submarine AA1 - radio apparatus-6-5 TO S&A-Rqst ~~shipment from NY~~ to CANCEL abo ve shipment--6-7 Fall River 6710 To Quincy. Gives list of radio equipt.to be supplied by Goyt. 6/28	
308033	6-6	To NY Electros Mfg 7;15	Radio Tel- safety strain insulator RY 61AA 318A- comment on- W To Electrose Mfg Co- in re to insulator alterations of- Det comment on-6-8 To NY- Rqst expedite shnages in design- 6-8 Electros Mfg Co. 6;20 column insulator RY 61AA 348B- fwds drawing- Det comment on- W	
311977	6-7	TomNY		
313878	6-7	To NY	Radio Tel -inslators-vandykes,plans of- Rqst furnished with listed pains-W NY - Fwds vandykes. W 6-14	
~~313035~~	6/7	~~To Yards and Ind Mgrs~~	~~Vessels of Ship Bd-radio equipment of-In re use of electrose insulators-Rqst where necessary arrangements be made to use porcelain insulators installed instead.~~	771-2

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N.S.E. Form 134.

911 INSULATORS: RADIO 1918

Number.	Date.	From or To—	Subject.
316880	6-14	Dubelier Condenser Co	Electrose Manufacturing Co have a new insulating material - Electrose Class A - ask if has been approved. To Dubilier Above being tested. 6/21
316566	6/12	Gen Insulate Co	Bu of Standards are willing to make test of insulating material-ask if Bu interested. W
		Dubelier Condenser Co. 7;3	To Dubilier Condenser Co. Re new grade of of insulating material, manf. by Electrose Mfg. Co. under name "Grade G". 7/2
		International Insulating Co. 7;6	? Re insulating material. 7/2
		Electros Mfg Co. - Will submit test of Electros material 7;8	To---- If other manfrs. employ molds, will consider purchase. 7/2
		National Lead Co 7;8	National Lead Co - Sub - sizes and prices. 7;29
		To Nat. Lead Co. Ack. rect. of let. of 7/8 commenting on same. 7/19	
317377	6/18	To Ohio Brass Co. (T)	Can Mr. White attend conference re radio insulators. W
318036	6-17	W W Ryerson & Co	Quotes price for tube insulators for spark transmitting apparatus. W
			To---- In event of further demand for above will communicate. 6/25
			W W Ryerson & Co 6;26 W
318037	6-17	Formica Insulation Co	Formica - fwds detailed report by Bureau Standards. W

Number.	Date.	From or To—	Subject.	
309449	?	G H Clarke	Submits comparative bid for Lock Insulator Company, and Electros Mfg. Co. covering insulators. W	
307057	5/16	To NY	Re Radio Telegraph Tests of insulating material. To H.W.Johns-Manville Co--Reqts list of stock sizes of panels for switchboards 5/18. J-M Co-Can make prompt shipment of asbestos wood. 5/20	672
308536	5-23 Norfolk-fwds contractors dwg showing antenna trunks of Miss. Norfolk-fwds list of insulators to be carried in stock for destroyers & mercht ships 6/10 Phila 6-13 New York 6/11 To Phila. Changes antenna trunk will apply to IDAHO 6/18	To Cdt Phila	Has reqted Dept to approve installn of additional auxiliary antenna trunk on vessels as listed- Asks that steps be taken to secure stock of electrose entering insulators- asks to be informed of action taken W To Norf ditto 5-23 To NY ditto 5-23 Phila - 5-29 To Phila- Insulators required for new auxiliary antenna trunk on battleships- Fwds specfns- 6-7	
308537	5-24 To Bost- in stock- 6-7 N Orleans - Request vandykes of column insulators. W 6-15 To Great Lakes Fwd. vandykes re insulators 6/18	To Yards- insulators to be carried	Radio Tel- Insulators to be carried in stock for destroyers and Merchant Ships- Gives list of--W Gt Lakes - lists insulators ordered by Gt Lakes - 5/29 - W Key West - 5/31 To 2nd Dist. (T)Unable identify 6/18 To 2nd Dist. Fwd. vandykes re insulators 6/18.	CARD 23
309273	5-24	To Inspcr Cincin	Contract 36458 -construction of 17 sets of auxiliary power equipment for dirigibles-W	

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INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.
305124	5-29	See Card 19	Fwd NY- Vessels Ship Bd- radio equipment of defective insulators- W RB 6-6
311843	5/29	Federal Telegraph Co	Fwds samples of copper plated ends of 2 porcelain rod indicators similar to those being used at Annapolis - reports on tests made with - W To Fed.Tel.Co. Ack.rect. of let. re sample porcelain rod ends with copper coating W 6/13
312853	6-1	1st Dist	Submits defects in antennae installation brought out by inspection of apparatus on LAKE DUANE AND LAKE BUTLER. Recommends glass or porcelain insulators be substituted for electrose in T type antennae. W To Bost- in re above--6-5
312716	6-4	To Electrose Mfg Co-	Info received that inserts with riveted blades used in Elec insulators-are not satisfactory- rqst discontinue use of same- and in their place die cast inserts RY 61A 187-- and RY 61A 188- W [illegible] on molds [illegible] Electros Mfg. Co. 6;5 Will rec. use of rivited blades. W
312721	6-4	To Electose Mfg Co-	Confirming phone conversation inre to constructing molds for mfgr of insulators shown drawing RE 61AA 117A-copy fwd-Comment on-W To Int Radio Tel Co - in re above--6-4 Electros Mfg Co, 6;6 Will rec use of blades.
312724	6-4	To Elec Insulator Mfg Co-	Rqst order for French Gov be given same priority as Gov orders-W Electros Mfg Co/ 6;6 Will rec use of blades. To Lt. Paternot. Quotes let. from Electr.Mfg. re priority.W 6/11

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COPYER.

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.
306035	5-13	Mr Alfred J Steinberger	Giving information re extracts from report of tests of insulating material for radio applications, W
306800	5-15	To Internat'l Radio Tel.	Fwdg vandyke copies of dwgs for insulators W
306044	5-14	To Manhattan Elec Supply	Grade "M" formica is app. for use in construction tone testers--W
306927	5-17	To (T) N Y	re thirty three insulators, W New York 5;23 W
308033	5;17	New York	Fwds vandykes of safety strain insolators. To NY-- in re above--5-21

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N.S.E. Form 134.

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.	
306932	5-20	To S&A	Reats shipmt from NY to G Lakes for Merchant ships- Insulators	W
296277	5-22	SEE CARD 18	To Brook- Fwds letters from Beth Ship and Electrose Manf Co- reqts that matter be taken up with latter Co and obtain definite statement as to just how the situation stands- method of inspection as outlined satisfactory 5-22	
308528	5-22	To NY	Gives list of insulators to be ordered and carried in stock for issue to Yds and contractors installing apparatus on merchant vessels for next year - comments desired as to best method of handling To N Y- Bur rqst make review of number of insulators as listed- 2/19 To NY- lists requirements for yds 3-10 New York-Status report 4;12	W-4
304655	5;21	Adams Morgan Co.	Insulator supplied to bureau rep. W	
311977	5-28	NY	Fwds prints showing latest alteration to column insulator. W	

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[OVER.]

INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.	
300529	4-22	Gen Insulate Company	Fwds copy of letter to NY, relative to their insulating material in connection with radio work. W To General Insulate Co-Rqst copies and tests 4-27	
299103	4/18	Grt Lakes T	Possible to secure bulkhead insulators this district. W	854
259239	4-24	To Klaxon Co	Fwds duplicate copies of Dept Spec 46B-12-A and 33-R-1-B and list of insulating materials apprvd	L
301125 SEE CARD 24 301132	4-27 Nat'l Fibre Co - 5/22 To Continental Fibre Co- in re above--6-4 Continental Fibre Co 6/6 4-27	To Continental Fibre Co- To NY	Rqst to be informed as to possibilities of mfg bakelite substitute-W Continental Fiber Co - Submits quotation on bakelite for switchboard construction. W 5-2 Cont. Fibre Company 6:24 Tee- Continental Fibre Co-5-10 Info has been received from U.S.S.PENNSYLVANIA that tests been completed on wooden strain insulators-comment on--W	
303581	5/3	Bureau of Standards	Fwds preliminary report on property of insulating materials of the phenol formaldehyde type. W	

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N.S.E. Form 134.

INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.
302816	5-3	To Electrose Mfg Co	Rqst inform Bu average weight per cubic inch of electrose--W Electros Mfg Co. 5;17
304275	5-7	To Manhattan Elec Supply Co-	Advised that grade "M" formica been approved for use in construction of radio apparatus-W
305899	5/8	Electrose Mfg Co	Fwds bps showing sp and new type of instrs for use in conn w masts for wireless operatn- detailed comments on. W Electros Mfg Co. fwds copy of letter of 5;8 W 5;13 Fwd Inspr Chi Ship 5-23 To--- Not considered advisable to consider further a special moulded insulator for masts 5-27
305124	5;13 prevent this- 5-11 To Great Lakes 5;13 rec. back 5;23 To Great Lakes re shipping board vessels equipped with radio sets by radio personnel, 5-13 To (T) 9th Dist re insulator 5-15	Ninth District	TEL, Regts forward supplies of insolators. W To (T) Grt Lakes- Antenna installed on Ship Bd ships by Grt Lakes practically all breakdown due to melting insulators-stop- Care must be exercised when insulators are located near funnels stop-All Grt Lakes installations break down before reaching Montreal -stop-Use proper insulators would To NY-- Electrose insulators for destroyers Bu be informed as ultimate decision in re above--5-11 W
7 296277	5-11 New York 5;17 Electros Co. have not received order for insolator from Beth. Shipbuilding Co. W NY 5-30	See Card 18	See Card 21

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[OVER.]

INSULATORS:RADIO

Number.	Date.	From or To—	Subject.	
292145	3/23	NY	Moulded composition hub-fwds prints.W	
291703	3/23	To C&R	Drawing of disk strain insulator. Fwds. W To--Fwds drawings showing.4/4	
~~280043~~	~~none~~	~~CARD118~~	~~Ny Fwds vandykes of two insolators~~	
296777 SEE CARD 20	4-8 Beth Co-Ask if Bu will supply insulators with radio installa'n on destroyers.W 4-24 To NY-- In re above--5-4 To FR-installation electrose insulators on destroyers as listed-5-4	Electrose Mfg Co	States have quantity of insulators on hand for Beth Shipbldg Corpn, ready for inspection. W See Card 19. To Beth Co--Reqt information re insulators ordered.4/18 NY-Rqsts infm re type of "-5/8.	
296743	4/8	NY	Insulator-fwds drawings.W	
~~296128~~	4/10	To C&R	Insulators on kite balloons. Instrns re installations. W To C&R Insulator not nec. in kite balloons8/16 To C&R 8;24	
297417	4-11	NY	Safety strain insulator - forwards print.W	

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N.S.E. Form 134.

INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.
297805	4-12	NY	Forwards drawings of insulators. W
299033	4/15	Boston void	Reports changed
299035	4/15	Johns-Manville Co	Synthetic moulded insulating compound-reports leaving samples at the testing laboratory and request be tested.W
299036	4/15	Johns-Manville	Reports leaving sample of mica insulation special E insulation with testing laboratory and request be tested.W To J-M Co- Cannot test at this time-make effort to better deliveries-5-14
299346	4-18	NY	Moulded composition entry insulator - forwards vandyke showing proposed re-moulding to prevent leakage, and for easier installation. W To NY In re above-accurate must be had as to cost of change of mould-Info from Electrose Mfg Co- 4-22
299926	4/20	NY	Entering insulator-fwds VanDyke.W
300343	4-21	USS PENNSYLVANIA	Test of new design insulator - forwards report. W

NY - Would be no increase for die charges or new patterns for inserts under present contract. W

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[OVER.]

INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.
279626	2/8	To Ohio Brass Co	Fwds blueprint giving detail and specns for porcelain rods used in antenna insulators. Reqt infor re price, delivery, etc. W
	Ohio Brass Co-Expect to be able to quote early next week.W 3-9		Ohio Brass Co 2/12 - W
			Ohio Brass Co---2/14
			To--3/4
			Ohio Brass Co--3/6
280536	2/11	To Formica Insulator Co	Re testing insulator material at NY. Procedure for tests. Comments on previous tests. W
	Formica Co--fwds printed matter.3/8		To NY--Reqt submit report.2/11
	To Firms--Instrns re use of Formica auth.3/19		To NY--Reqt reply.3/6 RB-3-13
	To Wash--Tests of formica not completed.4/2 (C&R Copy of letter to New York concurring recom. W 5;18)		Formica Ins Co - Forwards sample of Formica. (no date)
282068	2-16	Cavite R	Reports receipt of 10 insulators not required. W
			To--Directs place in storehourse.2/19
282548	2/15	NY	Moulded composition insulators with die cast incerts - recommends be reqd on future orders-W
			To--Bu will have manufd.2/21
282905	To NY--3/14 2-17	NY	Bakelite sliding parts - reports defect due to leak. W
	To--Appvs rec.3/5		To Marconi Co--Instrns re future contrs.3/1
	E.J.Simon-Are Providing sliding parts with metal rollers.W 3-11		To Firms--Submits report with instrns.3/5
	NY-reports on difficulties with Bakelite sliding parts.W 2-27		
283718	2/11	Nav Consulting Bd	Copy of letter to Locke Insulator Co stating have print and negative showing insulator .
284331	2/23	Continental Fiber Co	Will benable to furnishx bakelite in sheets 44x36 in three or four weeks.
			To--Acknowledges.2/26

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INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.
285999	2-28	Boston Yard	States Grade XX Bakelite dilectox equally as suitable for use with receiving apparatus as Micarta. W To Firms--Submits above rec.3/6
286251	3-1	Cutting & Washington	Asks if formica is approved material. W Fwd NY--3/6 To--Gives action re use of formica.3/19
286567	3-4	NY	Radio insulators - fwds plans. W To--Appvs change.3/20 NY-Fwds Insulator prints.W 4-3
286667	3/4	Wireless Spec Co	Insulator drawings for 5 kw set-reqt.W To--Fwds Vandykes.3/8
288949	3/12	Formica Co	Request instrns rel to furnishing their material to Adams Morgan Co. To--3/19 Formica Ins Co-W. 3-20
288302	3/14	To Electrose Insulator Co	Ask if insulator 164 is being manufd and purchased by Navy. W To Yards--Directs use insulator 313 on all Navy orders or installs for time being.3/22 NY-fwds VanDykes.4/20.
289928	3-15	NY	Insulators - forwards prints. W To NY--Reqt further information.3/21 To NY--4/5

NY--fwds print of insulators.4/17
NY - Fwds prints of insulators. W 5-7
NY 3-28

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[OVER.]

INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.
268141	12/17	USS PENNSYLVANIA 6	Reports on difficulty experienced with insulators.W
268828	12/20	Inspr Lake	Contractors requested to be furnished with plans covering insulators.W To—Fwds Vandykes as listed. 12/22
271123	1/4	To NY	Lists Vandykes of insulator drawings reqted. W NY moulded hubs; fwds plans W
273926	1/14	NY	Inserts for 1,2,5, and 10 kw insulators-fwds Vandykes. To--Appvs drawings.1/17 NY fwds vandykes 1-25
276537	1/26	To Locke Insulator Mfg. Co	Fwds blueprint giving detail and specns of porcelain rods used in antenna insulators. W
276758	1-25	NY	Alterations to insulators; fwds vanydkes.W
277079	1-26	NY	Insulator key knob - fwds vandyke. W To--Assigns type number to.1/31 NY fwds vandykes 2-8
277222	1/30 NY-Insulators - fwds plan.W	To NY	R eqt for insulator drawings as listed. W NY--Fwds Vandykes--2/13 To--Fwds blueprints.2/20 NY - Prints forwarded Feb 13th.W 2-23 NY-3/1-- Dandis Tool Co-Gives present price.SC 3-4

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INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.
278016	1-25 1-29	Condensite Co N Y	Radial insulations - request reports of test results, made on Condensite. W To NY--Reqt report of tests.4/3 NY 4-20
277760	1/31	To R.Thomas & Sons Co	Reqt catalog giving prices and particulars of high voltage strain insulators. W R.Thomas & Sons-fwds prints.2/13
277950	2/1	To Pitts High Voltage	Ins Co Reqt catalog giving prices and particulars of high voltage strain insulators. W
278484	1/30	Dayton Engrng Lab VOID	Delco Ignition System--for air stations--request complete list of stations in connection with making up list of spares required by.DA
278482	1/30	Locke Insulator Co	Quotes price on porcelain tube insulators.W
278746	2/2	General Insulate Co	Fwds copy of letter to NY quoting on insulating material.W
280443	2/7	NY	Submarine insulator-quotes from Electro Mfg Co recommending changes in.W To Electorse Insulator Co--Fwds Vandyke of submarine insulator.2/15 To--2/15
280439	2/8	NY Bakelite and dialecto NY-Quotes price obtained from the Continental Fibre Co.W 3-21	tubing-recommends no paper tubing be used future-canvas tubing only.W To NY--Appvs recommendation.2/23 TO S&A-Amendment to contract of Continental Fibre Co-4-30

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[OVER.]

INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.
249295	9/13	NY	Tube insulator for 1 kw transmitter inductance coil; fwds vandykes.W
249606	9/16	NY	Moulded composition insulator; fwds prints.W
253045	10/3	Lake Insulator Co	Insulator;fwds vandyke giving description of.W To--Vandyke not received.11/2 Locke Insulator Co-states insulator 3221 print covering was fwded in reply to letter of Nov.2.W
253870	10/8	NY	Insulators; fwds vandykes.W To--Disappvs drawing with comment.11/10 NY 11/23
25412 0	10/9	Ports	Asks if electrose or porcelain insulators are to be considered as standard, in connection with arc radio apparatus.W To Ports--Fwds drawings. 10/13
255271	10/17	Electrose Mfg Co	Insulators, brass parts to be imbedded in; fwds prints and quotations from the Doehler Co and request comment.W
257296	10/26	NY Elec Mfg Co--12/12.W NY--insulators-fwds Vandykes.1/14	Moulded composition insulators; fwds vandykes.W To Electrose Insulator Co--Fwds copy of above letter, and directs supply complete insulators with satis inserts. 12/11 To NY--Appvs drawings as listed with modif.12/11

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N.S.E. Form 134.

INSULATORS: RADIO. 911

Number.	Date.	From or To—	Subject.	
257800	11/2	To Yards	Bulkhead insulators for radio set. Appvs electrose insulator for, with detailed comments on. W	
258327	11/2	NY	Die casting inserts for insulators; fwds vandykes.W	
258464	10/29	Locke Insulator Mfg Co	Fwds prints of insulators.W	
258978	10-12	Ports	Insullators for radio apparatus - Ports plans, if followed, special type of insullator will be necessary - recommends standard - W	585-6
260470	11/12	NY	Moulded composition insulators-fwds Vandykes.W To—Assigns type numbers.11/21 NY fwds prints 12-8	
263260	11/28	To NY	Vandykes of insulator drawings reqted. W NY fwds vandykes 12-8	
215381	5-14	M Is	Are forwarding insulator drawings.	876
266578	12/13	To Bost	Reqt Vandykes of latest revision of drawing showing molded composition insulator. W Bost 12-22	
267605	12-15	NY	Mouldedcomposition protective knob type; fwds vandyke.D	

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[OVER.]

INSULATORS. RADIO. 1917

Number.	Date.	From or To—	Subject.
235509	6/26	To Locke Insulator Co	Reqt drawings of insulator #3221, connection 3225, together with photographs. W Co fwds prints 6/28
236710	6/29	Pug Sd	Strain insulator with rain and electrostatic shields; fwds vandyke .W
238097	7/12	To Major Henri Abraham	Fwds phots of safety insulators made by Locke Co. W
238270	6/29 7/11 Fwd Nav Com--7/21 Co 8/2 To Nav Intell--8/9	To--Acknowledges.8/10 Electrose Mfg Co S&A	States have order from Atlantic Communication Co for insulators; request instructions in the matter.W T o Nav Com--7/21 To--7/21
238404	7/12	NY	Fwds 54 vandykes of insulators.W
238597	7/13	NY	Insulator drawings; fwds.W NY prints were forwarded July 13th 7/18
239552	7/18 NY fwds prints 9/1	NY	Tube insulators; fwds drawings.W To--Comments on in detail.7/26 NY fwds radio drawings 8/17 To NY--Reqt blueprints of alterations.8/27
239705	7/19	Ohio Brass Co	Have forwarded catalogs covering insulators.W

N.S.E. Form 134.

INSULATORS: RADIO. 911

Number.	Date.	From or To—	Subject.	
224332	To GE Co—9/26 To GE Co—Suggests reopen development of pleiotron transmitter.8/21 GE Co request approval of AA size vandykes 8/27 GE Co 8/28 To GE Co—9/6 GE Co double	CARD 13 NY 5/7-submits report on test of wooden insulators. A size for certain 9/10	GE Co protests against furnishing of vandykes unless at increased cost 7/23 T o NY—7/25 To GE Co—Reqt status.7/30 To GE Co—8/2 GE Co reports on difficulties in making up set.8/13	
240900	7-27	CO SEATTLE	Reqt auth to install rattail insulators; present electrose insulators break down in wet weather.	474-6
241286	7/30	NY	Fwds prints of guard for antenna lead for 2 kw set.W	
241347	7/29	NY	Fwds prints of moulded composition insulated.W To—Apprs.8/15 NY fwds prints 9/1	
241864	8/1	Electrose Mfg Co	Fwds schedule of unfilled orders; request Bureau's comment as to which is most urgent.W To—8/4 Co 8/13	
244035	8/10	F. Lowenstein	Fwds print of a drill jig used for spoke insulators.W	
246670	8/31	To Electrose Mfg. Co	Returns duplicate set of insulator prints fwded. W	
248198	9/7	NY	Request instructions relative to assigning type numbers on small electrose moulded parts.W To—9/27	

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[OVER.]

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.
222951	4/16	To Locke Insulator Co	Reqt quotations on single porcelain renewals for straight bar type of insulator for high power stations. W
209683		CARD 11	NY recommends serviceable insulators be turned into store for issue; damaged to be surveyed 4/13 To NY--Appvs recommendation.4/23
224012	4-19	Locke Insulator Co	Fwds prints and quotes price on single insualtors.W
224058	4/20	G. H. Clark	Test of insulator submitted by G E Co; report.W
		~~Westinghouse fwds request for securing release of men from Westinghouse E&M Co 5/24~~	
224332	4/23	To GE Co	Reqt prices and times of delivery on wooden insulators, as listed., which were recently tested and found satis. W GE Co quotes price 4/27 W To Pug Sd--Instrns to be followed upon receipt of shipt. 5/12
		To--Have made reqn for 100 insulators and shields for delivery as listed. Reqt blueprints of.5/12 To San Diego--Instrns.5/12 To NY--Instrns re tests of upon receipt.5/12	OVER
220776	4/26	To E. J. Simon	Sketch marked "Suggested radio install for standard aero seat and cockpit arrgt". No new ideas are presented in. W
225449	4/26	NY	Proposed test of deck insulator for arc sets will be delayed W Fwd M.Is.--5/26 RB 6/16 6
		Fwd NY--7/20 NY 8/21	
227530	5/9	NY	Electrose insulators, ex MEMPHIS; fwds photograph of and calls attention to desirable features after receiving rough service.W Electrose Mfg. Co. 5/8
		To Electrose Co-Fwd copy report on electrose insulators installed on U.S.S.MEMPTHIS--5-6	

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N.S.E. Form 134.

INSULATORS: RADIO. 911

Number.	Date.	From or To—	Subject.	
227592	5/10	To Electrose Mfg. Co	Lists insulators which will be satis to Govt for Kern Commercial Company to supply for Spanish Mercantile Marine. Co 5/14	
228020	5/12	To NY	Directs prepare reqn for 100 electrose insulators drawing RE61A109A and 50 drawing RE 61A111A.W NY order placed with Electrose MfgCo 6/12	
To F. Lowenstein--3/21				
229139	5/18	F. Lowenstein	Relative to Electrose Mfg Co furnishing all insulators at same price.W	
To Firms--Gives action taken. 6/4 Electrose Mfg Co 6/6 Lowenstein-Quotes prices from Electrose Co. W 2-21			To Elec Insulator Mfg. Co---Fwds copy of letter sent to radio companies regarding purchase of Electrose insulators, with comment. 6/4	
229743	Fwd NY 2/26--RB--3/16 5-20	NY	Reports on test of installing of Jeffry-De Witt Co and fwds prints. W Fwd Wash--9/20	
224332		OVER	Pug Sd wooden insulators and aluminum end shields for Keyport; reports on test 5/21	CARD 14
To GE Co--Reqt Vandykes as listed. 7/17 NY criticism of print 7/18			To NY--Fwds blueprints for comment.6/13 NY asks when insulators with aluminum shields will be received 7/17	
230850	5/28	Ohio Brass Co	Reports forwarding sample of strain insulator to Wash for test; request be held up; will forward special design.W	
231944	6/2	NY	Fwds print of entering insulator for 2 kw submarine type.W	
232809	3-29	SAMDIEGO	Reports on type B insulator	830
233946	Phila	6/15	Request vandykes of insulator fittings.W To--Fwds. 6/20	

NB—0120

[OVER.]

1917

INSULATORS; RADIO.

Number.	Date.	From or To—	Subject.
212530	1/26	To S&A	Reqt shipt of 6 electrose entering insulators from NY to M.Is. for stock. W To M.Is.--Instrmx. 1/26
213177	2/1	To NY	Reqt 20 Vandykes of RY 61AA 350B, Electrose Entering Insulator. W NY bulkhead insulators for arc sets; fwds vandykes 2/8
213187	1-22	CONN 6	Report of bre k down of bulkhead cloth inserted rubber insulators used on arc sets. W Fwd Phila--Sketch of for comment. 2/6 RB 2-24 Phila papers will be returned Feb 19 2/16 Fwd NY--Instrns. 3/3RB 3-26 To Phila--Insulator install on CONN should be changed at first opportunity. 3/3 NY fwds vandyke 3/22 Phila will install new entering insulator on CONN; those ordered from NY not yet received 4/10
214354	22	M.Is	Porcelain strain insulators; request plans covering latest modifications Locke type. W TO -- fwds 2-21
214474	2-12	NY	Submits plan of submarine type insulators Proposed modification.W. Electrose Co explains prices quoted 2/24 To Electrose Mfg Co--Comments on. 2/23 To--Appvs modf to instulator. 2/25
215939	2-17	M.Is	Locke and Strain insulators; request latest vandykes.W. To--Fwds Vandykes.3/13
215959	2/26	To NY via C&R 907	Radio telegraph--Entering insulators for Fleet Submarines. Fwds plans, and directs prepare reqn for purchase of 25 each of. W C&F copy of endorsement forwarding plans to NY 3/3

N.S.E. Form 134.

INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.
215972	2/27	To Yards	Radio telegraph-Bulkhead insulators for radio set. Appvs electrose insulator. W New Orleans request duplicate enclosure be forwarded; original not received 3/21 To New Orl via Comdt--Fwds vandyke. 3/26 Ports 10/12
217171	2-24	M.Is	Fwds b/p of insulators required on reqn 479.W.
217185	PENNA reports on; breakdown in wet weather 4/10 3-3 At Flt Fwd Ships--Ask if insulation installed has proven satis with arc set.4/4 At Flt comments 4-3 WYO insulator satis 4/9		Fwd NY--4/14 RB 8/16 NEW YORK favorable report 4/10 BELOW States present radio insulatros are unsatis in locations where exposed to rain and spray.W Fwd NY--3/9RB 3-21 To Atl Flt--Fwds drawing RY 61AA 350E. Ask if insulators are now satis. 3/22
218529	3/16	NY	Insulator, Electrose #6634, fwds plan.W (See 216098-130-6)
218893	3-19	NY	Radio insulators; recovered from MEMPHIS; have tested and found satis; request certain data relative to conditions when removed from vessel.W. Fwd Atl Flt--3/22 RB 4-19 To--Gives information.4/21
219104	3/22	To Electrose Insulator Mfg Co.	Reqt drawing of insulator No 6854. W Co fwds print of insulators 6854 and 6285; submits schedule of prices, printed matter, etc 3/23
217185	ABOVE ARKANSAS 4/13 PENNSYLVANIA 4/29 To NY--Reqt report on insulator submitted by PENNA. 5/22		Reqt shipt of insulators from PENNA to NY.4/14 To PENNA--Infuture directs retain any defective insulator on board and notify Bu.4/16

NB—0120

[OVER.]

INSULATORS: RADIO

Number.	Date.	From or To—	Subject.	
209547	12/28	To M.Is. Pearl Harbor Cavite	Renewals for cage insulators for high power stations. Fwds drawing of renewal to be ordered in case of breakage. Have ordered 36 of them, 12 for each station. W	
209683	12/28	To NY. M.Is.	Renewal parts for Locke Insulator. Fwds drawing of and directs prepare reqn for a number of these parts for repairing insulators turned in from service. W	
		To S&A--Reqt shipt of Locke Insulators from Darien to NY for disposition. 2/7	To Radio Super, Comdts, Dist Supts.--Gives information re repairing insulators as above.	12/29
		To Darien--Insulators will be shipt to NY. 2/7	M Is request vandyke 1/24	
		To NY--Gives action on. 2/7	Darien have no broken insulators Locke type 3221; have a number of Locke 437 at Colon 1/26	
		Colon insulators referred to shipped to NY and Colon 2/27	To M.Is.--Fwds Vandyke reqted. 2/3	CARD 13
210130	12/27	New Orleans	Leading in wire insulator recently installed in accordance with instructions has cracked	821
			1917	
210619	1-4	NY	Entering insulators, and water tight valve for radio installation on submarines; reports on test of. W (See 202573-590-6) To NY appvs 2-21 NY fwds Vandykes 3/16	
210997	1/2	M Is	L-6-7; delay in submitting plans and estimates for caused by shortage in draftsmen; also makes recommendation for entering insulators for these boats and F class	545-6
NY 643	1/10	To NY	Reqn for 1000 porcelain strain insulators for ship installations. Gives action on. WR To Locke Insulator Co--Fwds two prints of, and requests bid on, on NY reqn for 1000. WR	

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INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.
211286	1-9 1-11	Electrose Mfg Co Dept	Fwds pr nted matter and copies of negotiations with Mexican Govt or furnishing insulators for Mexican radio stations.W To--(Sec Sig) No objection. 2/2 Co states have refused order from Mexico for patriotic reasons 2/5
211318	1-10	NY	For submarines; recommendations in connection with the N-4-7 boats.W To--Directs prepare reqn for 50 insulators.1/26 NY requisition has been prepared and forwarded 2/17
211458	1/13 UTAH 2/12 Fwd NY-3/9 RB 4-13 SOUTH DAKOTA - Reports on waxing of antenna insulation with paraffin W - 2-24	To NY USS MONTANA 8;6	Reqt one Vandyke and 30 White prints of "Instrns for care of antenna insulation for arc Transmitters", for distribution to such ships as have arc sets. W NY fwds vandyke and white prints 1/23 To Ships--Fwds copy of "Instrns for Care of Antenna insulation for arc transmitters". 2/1 STERRET 5/12
211767	1/17	To Jeffery-DeWitt Co	Instrns re submitting insulator for test at either NY or Wash. W To NY--Instrns re test. 1/17 Co fwds prints of their insulators; will forward samples to NY for test 1/20
211958	1-9	M.Is	Reqn 308; fwds prints.W To--Gives action on. 1/25
212049	1-19	NY	For submarines; request drawings.W To--Fwds drawings. 1/22
Reqn 308	12/14	To M.Is.	Porcelain inculsuors. Reqt drawing be furnished before taking action on. WR

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[OVER.]

INSULATORS: RADIO: 1916

Number.	Date.	From or To—	Subject.	
196272	8-11	To NY.	Directs yard prepare instructions covering arc installations for treating surface of antenna insulators in order to reduce surface leakage. W NY fwds instructions sheet 9-18	
353	8/25	GE	Insula tors; Locke Co; result of test	629
197699			NY Electrose Co have no dies for insulators longer than present standard. 8-31	
202849	10/19	To NY	Reqt Vandyke and white print of RY 61AA 358B. W NY fwds 10-26	
203232	10/13	M Is	Porcelain arc insulators for arc radio sets; asks for detailed plan, also whether Bureau or yard to purchase. W	
203310	10/23	To NY	Drawings of. Reqt print of alteration A Re insertion of insulators RY 61AA 288A and RY 61A 288B to standard stock catalog. W NY fwds white print; recommends against carrying any of A type in stock 10-31	
167415	11/6	NY	Gives proposed use of insulators on reqn 643	876
205035		OVER	Locke Insulator Co revised drawing; will increase mechanical strength; will submit quotations on improved insulators under requisitions 643 1/12	

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N.S.E. Form 134.

INSULATORS; RADIO. 911

Number.	Date.	From or To—	Subject.
204805	11/7	To NY	Reqt Vandykes and white prints and certain drawings of insulators. W NN fwds vandykes 11-20
205035	11/9 Locke Co gives description of cement used in insulators 12/26 To--Acknowledges letter. 12/30 To--Acknowledgers letter. 1/9 To NY M.Is.--Advisable to make tests of any cement used. 1/9	To Locke Insulator Co.	Reqt est for 36 porcelain insulators to serve as spares for cage insulators. W Locke Co. Reqt additional data 11-15 To Locke Co--Gives data reqted. 11/24 Co fwds sketch showing interpretation of porcelain spares required with cage type of insulators 12/2 To--Ask kind of cement used attaching porcelain to hardware. 12/23
206993	12/1	To NY	Directs tests be conducted to determine the working boltage of insulators. Lists data which voltage data should contain. W
207456	11-23	M.Is	Recommends furnish hard wood insulators by contractors for mast cables be omitted and yard to use porcelain insulators on hand 801
208010	12-8	NY	Antennae insulators; have made experiments various types metal balls with great success; fwds print showing antennae lead insulator adapter.W
208183	12/9	NY	Annual insulator contract; recommends matter be looked into at once due to fluctuation of prices.W To S&A--Reqt that Electrose Co. extend contr 25915 three months for all items requiring inserts. 12/14 To NY--Directs prepare reqn for obtaining bids on which new annual contrs for insulators can be prepared. 12/15
M.I.Reqn 308	12/14	To M.Is.	Porcelain insulators. Reqt copy of certain drawings and more definite information. WR

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[OVER.]

INSULATORS: RADIO 1916

Number.	Date.	From or To—	Subject.	
187772	5-4	M.Is	Proposed deck insulators for arc sets; fwds corres Locke Co, prints, etc.W Fwd NY—for comment and rec. 5/25 RB 6/19 ref. NY directs test Boro 6-26	
188371	5-16	NY	Insulators; standard; fwds vandykes.W.	
188529	5-20	NY	Porcelain insulators; fwds prints.W.	
188759	5/23	To Phila	Asks what steps are being taken to expedite delivery of insulators for 8 wave changers for lot #2, 12-5 kw Navy type radio sets	905
189562	5-31	Forbes, ED Personal	Ohio Brass Co are presenting porcelain insulators for radio work.	
190256	6-8 Ohio Brass Co states letter has been referred to Barberton office for reply 1/22	CClark, GH	Adverse report on porcelain insulators submitted by Ohio Insulator.CO. To Ohio Brass Co--Quotes report on.6/12 To Ohio Insulator Co--Ask progress made on. 1/4	
190159	6-10	To NY.	WYOMING: improvement in antenna rattail insulators; directs experiments be made with. W	
190496	6-10 Co have placed order for pats 7-3	To Electrose Manuf Co.	Offers to test samples of pillar type insulators for use in arc set at Wash Yd. W Co fwds sketches 6-21 To--Returns tracings. 8/1	

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N.S.E. Form 134.

INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.
191624	6-22	NY	Radio entering insulator; fwds vandykes.W
192594	7-14	To Yards.	Radio telegraph; purchase of insulators and insulating material; fwds drawing covering.W New Orleans reqt drawings 7/24 Fwd NY--Fwds New Orl drawings. 8/7 RB 8/21
194448	7/19 7/24	Norf S&A	Radio insulators for stock; submits list of quantities desired.W To Norf 8/25 Fwd S&A 8/25
194522	7/18	M Is	Arc radio installation; request authority to obtain insulators open purchase in lieu of awaiting shipment from NY.W To--Auth purchase of insulator. 7/31
194658	7/25	Locke Insulator Mfg Co	States first two items on requisition 46 will be ready for inspection July 31st.W&S
194999	7/21	Ohio Brass Co	Porcelain insulator requirements; are still investigating.W
195561	8-4	To Locke Insulator Co.T	Asks probable date when insulators under reqn 46 will be ready for inspection. W Co (T) will be ready for inspection Aug 16 8/5
197699	8/25	To NY	Radio telegraph; electrose insulators; longer ones desired; diredts learn if Electrose Co have dies available.W

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1916

INSULATOR: RADIO

Number.	Date.	From or To—	Subject.	
180733	3-3	NY	Insulator for antennae lead. fwd ~~xxxxxxxx~~ To--Appvs. 3/7	
180703	3-4	To Locke Insulator Co.	Lt. Hooper will visit factory for a conference re to slight change of design of insulators for High Power Radio Stations. W	
180704	3-4	To Norf.	States porcelain insulators for radio antennae may be obtained from NY on shipment request. W	
181229	3-9	NY	Electrose insulators; fwds vandykes. W	
181671	3-10	Locke Insulator Co	Fwds plan showing redesign. W To--Returns; modifications satis. 3/18	
181889	3-			
183452	3-30	Norf	Porcelain insulators; fwds plans. W Fwd NY--For comment and rec. 4/6 To Norf-NY--For comment. 4/18	
184384	4/11	Chasn R	Reqt permission to use electrose insulators in lieu of porcelain insulators	807

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911 INSULATORS: RADIO:

Number.	Date.	From or To—	Subject.	
184853	4-18	To Locke Insulator Co.	Asks if the two cage insulators submitted as a sample in connection with SE reqn #46 are designed for electrical and mechanical strength specified in reqn. W	
185397	4-20	Locke Insulator Co	States samples submitted are not complete sets; require 7 lengths.W. W To—Sample was ret'd by Wash Yd. 5/4	
185515	4-24	To Locke Insulator Co.	Reqt. copies of drawings of two types of insulators being manuf by you under recent contract for naval high powered radio stations. W Locke 5-2 To Yards—Fwds copy drawings 7/25 h	
186479	4-7 4-20	Electrose Mfg Co Phila	Quotes price for canging; Phila states error made in Machinery Div Phila Yard.W Fwd S&A— Appvs recommendations.5/5 To Phila—Insulating tubes should be ordered from NY. 5/8	
186483	5-1	NY	Radio insulators; fwds index of insulators and insulating material. W	
186771	4-28	NY	Recommends increase in stock.W To—Lists increases appvd. 5/9 NY fwds prints 5-24 To—Additions authorized 6/8	
363	5/3	To GE	Radio stations; insulators; high grade commercial quality of bronze and malleable iron will be satis	629
187754	?	?	Suggestions for material for insulators, bushings, etc;Darien	851

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INSULATORS: RADIO: 1915

Number.	Date.	From or To—	Subject.
167825	10-9	To Atlantic Com Co. Locke Insulator Co Electrose Mfg Co.	Reqt suggestions on best type of insulator in which case antenna wire will be made fast separately to the tower spreaders.W Electrose Mfg Co 10-12 Locke Co 10-14 To Electrose Co. - comments on 10-15 At Com Co. 10-16 Electrose Co. reqt ad info and ack of plans 10-19 To Electrose Mfg Co 10/21
168727	10-13	NY	Submits revised estimate bulkhead insulators for radio.W To-- Appvs· 10/22
169140	10-25	To Yards-Radio Service.	Comparison of vitrified and electrose suspension insulators in connection with arc radio apparatus. W
169817	10/27	Atl Flt R	Insulators; recommends those used on board ship for carrying the rattail be not fitted with threaded extension cap.W Fwd NY-- 10/30 RB 11/18
170005	10-30	Locke Insulator Mfg Co	Submits proposals for supplying insulators; fwds plan.W To--Comments on· 11/6
170372	11-4	NY	Insulating material for; fwds vandykes of specns covering.W
170337	11-4	NY	Fwds 120 prints covering.W

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INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.	
173573	11-29	Pac Flt	Reports deck insulators for arc set fitted on SAN DIEGO; fwds sketch and favorable report.W	
	Fwd S&A-- 2/25 RB 3/9		Fwd NY-- For comment. 12/13 RB 12/29 Fwd M.Is-- For comment. 12/31 RB 1/20 Fwd NY-- 2/8 RB 2/23 To S&A--Rect shipment insulators from NY to M.Is. 2/8	
174131	12-9	Clark, G.H.	High powered stations; suggests change in specns to call for additiona,l insulators.W	
174741	12/23	NY	Reports on test to repair leakage losses over porcelain and electrose insulators.W To--Reqt comparative data if practicable. 12/28 NY no durability test made 1-6	
176812	1/21	WYOMING D	1916 Reqt GE porcelain insulators; type furnished by NY failed twice	488-6
178659	2-5	Genl Device & Fittings Co	Personal letter to Clark relative to developing insulators.W	
178909	2-11	M.Is	Porcelain deck insulators; forarc sets; fwds plans.W To--NY auth to purchase insulator for comparison of insulator now supplied. 2/18 To NY-- 2/18	
179190	2-14	NY	Porcelain insulators; for radio; recommends development work be carried on in conjunction with Locke Co. W To--Appvs. 2/19	
179845	2-22	Genl Devices Co	States experiments with insulators will prevent their submitting bid on Feby 25 for San Diego, Pearl Harbor; W To--Comments on. 3/1	

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INSULATORS: RADIO 1915

Number.	Date.	From or To—	Subject.	
144462	1-13	NY 752-131	Insulators submitted by Locke Insulator Co Test shows deficiency in tensile strength; recommends against use of.W To--Auth acceptance of 70 insulators.1/29 To Locke Co--Will accept portion if suitable for requirements at Darien. 1/29	
145396	1-2 1-21	Electrose Mfg Co. NY 752-131	Electrose insultors; designed by Navy Yard; conditions of sale to public. W. To--Comments on re type of insulators to be offered for sale. 1/30 To NY-- Fwds copy above letter. 1/30 Electrose 2-26	
146569	2-6	Locke Insulator Co.	Will furnish yokes for cable strings on insulators in parellel; fwds print and offers to supply for DARIEN. W. Fwd NY-- Instructions. 2/9 To--Satisfactory to Bu. 2/9	
147037	2/10	Y&D	San Diego, Pearl Harbor and Cavite radio stations; fwds reqn for special porcelain insulators	830
148161	2-2 2-18	H.C.Fry Glass Co. Y&D	Reports shipping glass cube by express Jan 4; for test purposes.W Fwd Y&D--Have no knowledge of. 2/26	
148504	2-22 3-1	Bost Y&D	Insulators for wireless towers; reports on test of work.W Fwd Bost-- Reqt expedite. 3/3	
154103	5-1	NY	Antennae insulators; stock exhausted; reqt instructions re ordering additional.W Fwd S&A--Rec stock of 20 insulators be maintained at NY. 5/8 To--(R)Reqt statement of issues made & auth of Locke insulators purchase under contract 172. 5/8	

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INSULATORS: RADIO 911

Number.	Date.	From or To—	Subject.	
154527	5-8	NY	Locke insulators; gives list of showing distribution; cont 172.Y To--Prepare reqn for 50 antenna Locke insulators. 5/12 To S&A-- Reqt shipment of 6 insulators from NY To wash. 5/12	
163439	8-5	Pierson, Roeding & Co	Reqt copy of test on their; Locke insulators; submitted by them.W To M.I. will furnish 8-17	
164068	8-21	NY	Insulators; fwds prints.W	
164980	9-3	To Darien.	Porcelain and concrete bushings for radio arc generator; reqt report on.W Crenshaw reports on 9-13	
165234	8-28	M.Is	Proposed type deck insulator for 5 kw and arc sets; plan.W To NY--Fwds print of for comment. 9/9 NY-M.Is print not recd.9/23. To NY--Fwds print.9/27 NY criticizes M.Is plan 10-30	
165657	9-7	M.Is	Reqt shipment insulators from NY. W To S&A--Reqt for shipment.9/13	
166713	9/22	NY	Insulating material and insulators for radio work; fwds proposed specfns. for purchases under new annual contract.W Fwd NY--Appvs recommendations.10/9 RB 12/1 Fwd S&A--12/2	
165224	11-9	To M.Is.	M.Is drawing #12474; deck insulator for use with arc radio sets; fwds comment of NY on. W	

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INSULATORS: RADIO.

Number.	Date.	From or To—	Subject.	
123583	4/25	NY	Rat-tail and insulators for; supporting same; submits recommendations and quotes prices for insulators; recommends Dickinson & Co. type	875
125190	5/16	NY	Fwds prints showing molded composition frame insulators.W	
127586	6/16	Arlington	Insulators obtained from the Locke Insulator Co. withstood three strokes of lightning in recent storm, but recommends further tests before general adoption for service.W	
129307	7-1	M.Is 6868	Insulator for radio work; fwds print and reqt authority to substitute for previous standard.W To---appd.7/9.	
130954	7-27	Y&D 8907-17	Porcelain insulators; Locke Co. type; fwds report of test on made by Bu Standards.W	
131348	7-23	M.Is	Reports on test of porcelain insulators submitted by T.C.White & Co. W Fwd Y&D,comment.8/4 rb 8 11 Ret---8/11.rb 8 27	
131738	8-5	NY	Porselain insulators for stock; recommends purchase from Locke Insulator Co.W To---submit requisition.8/7	

N.S.E. Form 134.

INSULATORS: RADIO. 911

Number.	Date.	From or To—	Subject.	
133765	9-4	Y&D	Supporting insulators for radio towers; for Boston, Key West, New Orleans, Great Lakes, Colon and Balboa; fwds reqn.W Ref. S&A via Dept. purchase thro. Pay Office 9-5	
134319	9-11	NY &o5-16	insulators and material for radio; complains of delay in purchaseing and recommends annual contract be entered into in addition to contract based on schedule 7075. W. Fwd NY-- Comments, 9/22 rb 12 8	
134538	9-11	NY 705-16	Insulators and material on reqn 717; required for use in manufacturing battle radio installations etc. Gives reasons for submitting; Asbestos wood is only insulating material that can be secured under cont placed on schedule 6429.W	
136486	10-5 10-9	Washn Y&D	Insulators for radio; asks if they will receive order to make.W Fwd Wash-- 10/12 rb 10 22	
137456	10-19	Locke Insulator Co.	Reqt authority to make photos of towers at Radio fitted with their insulators.W Fwd Radio-- For information 10/26 rb 10 29 To--No objection to. 10/26 Locke Co copy of letter to Leet Bros to take photos 11-3	
138756	11-2	Locke Insulator Co.	Fwds prints of. W Fwd Y&D-- Fwds print. 11/5	
22168	11/2	To GE	Special porcelain insulators; fwds copies of contract and directs inspection at wks of Locke Insulator Mfg Co	629
139065	11-4	NY 855-171	New design high tension insulators for antenna leads thru w.t. blkhds; fwds print; reqt authority to mfg.W. Fwd Dept-- Rec apprl. 11/10 RR [illegible] appd To--Authorized. 11/16	

To M.IS:Bost:Phila:Norf-- 11/16
To NY--auth 11/20

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[OVER.]

INSULATORS: RADIO 1913

Number.	Date.	From or To—	Subject.	
99703	6-17	Electrose Mfg.Co	Disc strain insulators; fwds copies of reqn. recent decisions on validity of patents. W	
100380	6-25 6-26	Electrose Mfg.Co Brook	Fwds print showing proposed changed in their insulators to be furnished under various contracts. W-S Fwd Brook via NY. approves recommendation 6/27.	
1001678	7-16	Electrose Mfg.Co.	Fwds print of lock wall insulators. W	
105662	9-12	Dickinson Mfg.Co	Stern-condensite for radio insulatros; reqt. orders. W. To-- 9/22	
106162	9/22	To Arlington	Fwds pring of insulators, as mfrd by Electrose Mfg Co. W	
111167	11/24	NY	Insulating material, fwds test report on, Vulcobeston, Ebony, asbestos wood, hemit, electrose, dilectó, etc. radio insulators.	731--4
111471	11/28	NY	Re supplemental contract with Electrose Mfg Co. for additional insulators.	904
255	1/10	NY	Reports acceptance of insulators and reqt auth. to make payment.	629

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INSULATORS, 911

Number.	Date.	From or To—	Subject.	
112031	12/6	Fwd Dept	reqt approl of purchase of insulators	900
		1914		
115884	1-17	NY 855-13	High tension insulators; for antennae leads thru water tight bulkheads; fwds print with letter from Electrose Mfg.Co.W Fwd Dept.reqst permission to submit proprietary reqn.2/2 RB 226 Ret---for action.2/27. RB 35	
118289	2-21 To---Wednesday satisfactory 3/9	Locke Insulator Mfg.Co	Reqt authority to have trial of their Porcelain insulators in lieu of Electrose. for radio. W To---Ack; suggests confer with E.O. of NY yard.2/27. Fwd NY.2/27 RB 37 Co makes appt 18th 3-9 (T)to---Will confer Monday the 9th.3/7	
118962	2-24 3-3	NY 705-16 S&A 302-71	High voltage insulating material for radio work; submits proposed specns for annual reqn together with print.W Ret S&A.comments and rec.3/4	
119138	3-3	NY 855-54	New design high tension insulators for aerial leads; W.T. blkdhds.W To---appr construction of one.3/12.	
124114	5-1	Electrose Mfg.Co.	Disc type insulators; re type bid on for M.Is.W.	
6434	5/4	NY	Recommendations for award; recommends that electrose insulators (radio) be bought direct from company; no competition invited; advertisements secures competition from jobbers only at increased prices	706

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INSULATOR: RADIO

1912

Number.	Date.	From or To—	Subject.	
78667	9-20	NY 936-195	& conductors; reqt. authority to conduct test. W TO NY approves.9-24	
78719	9-24	TO NY	Submit reqn. for 150 Buck link insulators for stock. W	
79/174	9/30	Arlington	Buck link insulators, letters to Chester & Salem, asks if any spares on board which can be shipped for use	841
80914	10/23	To Electrose Mfg Co.	Directs mfr of 60, reqn submitted, order will be place in a few days. W	
81424	10-25	Pug.Sd. 6436	Insulation for wireless; asks whether smoke stack guys are to be fitted with turnbuckles.W Fwd C&R 10-31 RB 11-8	
			1913	
86999	12/19 1/8	Western Elec·Co. S&A	Buck link insulators. R.Thomas & Sons Co. state that it is impossible to manufacture. Recommends cancellation of contract 17066 and of reqn.433. W-R Fwd S&A- recom. reqn 103 1/10	
85830	1/9	To C&R	G 1 and all submarives - req. be provided	393-6

N.S.E. Form 134.

INSULATOR: RADIO. 911

Number.	Date.	From or To—		Subject.	
88461	1/25	TO YARDS: INSPRS MATRL and MACHY		Radio insulating materials for light, power and interior communication systems. Instructions.W	
90074	2/12	To Washn & S&A.		Electrose insulators: request shipment of 24 18" to Wash from NY.W	
17066	1/16	S&A		Recommends no award be made under specfs as insulators called for are not satisfactory	629
17066	2/18	To S&A		Rec. reqn NY 1003 be changed to specy electrose insulators #562 instead of 8341.	629
92342	3/11	NY		SUB- G-1, radio hull insulator, fwds plan	393--6
93935	3-24	NY	705-16	Reports on test of Electrose insulators.W. Fwd S&A.4/3.	
94791	4-10	NY	926-40	Fwds vandykes of.W.	
95602	4/23	S&A	319-2	Insulators; fwds copy of decision re interference with Edward M.Hewlet regarding disk strain insulators. W Ret---4/24.	
18873	5/23	Brook		Reports difference in drawings for insulating bushings being mfrd by Electrose Co.	629

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Number.	Date.	From or To—	Subject.	
59173	1/19	NY	LIGHT Ships, #94: gives data re insulators in rigging	678
64694	3/26	To NY	TBDS 22-36: insulators in Rigging, reqt recommendations as to location and type.	496
66926	4/15	NY	TBDS: recommends fitting of Insulators in all rigging stays, and fwds prints	496
68718	5-13	C&R 17660-E.184	Insulators for insulating rigging in connection with wireless;asks if any type plans have been prepared covering.W To---Bu is preparing full information.5/16. To NY.Instructions in the preparation of designs.5/21. To NY.Asks when prints and data will be supplied.6/26.	
68802	5/13	C&R	FANNING-class, fwds profile prints to mark insulation requires for.	203--6
69040	5-15	Electrose Mfg.Co	Invites attention to their large insulators recently sold to Bu Insular Affairs. W To---Fwd S&A.5/18.	
69130	5-11	Electrose Mfg.Co	Fwds complete file of their prints of disc insulators.S (Personal letter to Kaemmerling) To---Ack.5/22. To NY.Fwds prints.5/22.	
69046	5/17	C&R	BEALE: fit insulation in rigging on acct of wireless will be delayed until after delivery of vessel	134--6
69047	5/17	C&R	Wyoming: do	488--6

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INSULATORS: W.T. 911

Number.	Date.	From or To—		Subject.	
70190	5-31	NY		Electrose Mfg.Co. Will consider in connection with plans various classes vessels. W RB 6-27	
71924	6-21	NY	87-12	Insulation of rigging in connection with wireless; reqt. prints of various vessels. W Fwd C&R.reqst furnish print.6/25. C&R request return of correspondence.8/2. Fwd C&R for information & return 8/6 RB 8- Ref-NY. instructions 8/10 RB 8-14	
71968	6-24	C&R	17660-E.184	Fwds letter from NYS re method of ~~instala-ing~~ insulating rigging in connection with wireless.W Ret---with comments and rec.6/28. To-C&R instructions 7/22	
72058	6/25	To Nav Intell.		Foreign warships; request temporary use of photographs showing arr.of insulators in the rigging.W Photos received 7-1	
73610	7/17	To NY		Reqt number of insulators in store.	
74811	8/2	Asiatic Flt		Reqt spark gap insulators for FESSENDEN sets be forwarded to OLONGAPO for distribution among vessels	495
76560	8/24	Arlington		Bucklink insulators, fwds letters to four yards asking if any in store.	841
77563	9/7	Arlington		Reqt.Key West ship their spare porcelian insulators owing to inability to secure early delivery on reqn. 55	84
78273	9-10 9-13	Pug.Sd C&R	5426	Asks if necessary to provide shunt where turnbuckles are used in metal rigging.L Fwd C&R considered necessary.9-18	

NB—0120

[OVER.]

INSULATORS: W. J.

FILE No.	From or To— (Dated)	Subject.	
32793 3/1	NY Ys 705-16-53	Submits drawing of proposed construction.W Ret. approved 3/6 R.B.3/11	
38230 5/2	C.O.	LEBANON: mfg of	263--6
49901 9/28	NY 705-16-95	Reports on test of those made according to yard design; fwds print.W To---Appd 10/27.	
50971 10/10	NY 926-189	Fwds prints of. W	
56217 12/13	NY	AERIALS: fwds telegraph insulator & print. etc	875
56067 12/14	To C&R	Insulation of rigging, rec. steps be taken to place insulators in such position that the continuity of induced currents may be broken, etc	883
56550 12/18	G.E.Co	ARLINGTON: unable toquote on insulators at present time	841
		1912	
58793 1/13	Ports	AERIALS; insulators on; those at Ports and Capt.Eliz. in good condition.	875
73678 7/17	NY	Insulators; gives quantity on hand, and requests those overdue on contract 1766 be expedited.L To NY reqt.be shipped to Arlington Radio Sta as soon as compltd 7-18 Washm asks if 50 ordered by Yd. are in addition to 72 ordered by Bureau. 9-19 Fwd NY. only 50 desired 9/23	

NB—0120

Number.	Date.	From or To—	Subject.
652184	11/1	Port Eads	Static report Y
653384	12/12	Dept	Fwds copy of corres with J.B. Joy rel to interference from Detroit Radio station W
627478	FWD FROM CARD 39		Norf 12/13 Submits approximate estimate W Norf 12/13 Recommends additional receivers be supplied Hamp Rds distant control station. W X Hamp Rds To Norf- assignment made 12/22

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INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
654356	12/5 12/19	Pug Snd Dept;	Report covering interference station in 13th District W Fwds Operns 12/29 cc Pug Snd- Pac. Coast Comm. Supt- Pug Snd 12/29	

4—3381

[OVER.]

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
648304	11/1	Cape Hatteras	Static report. W.	
648677	11/2	Pensacola	Fwds Static report W	
634832	FWD FROM CARD 40		Fwds Dir commns 12/6	

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INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
650805	11/23	DCCS	Copy report on interference by Mexican apparatus station W	
650992	11/20 11/22	CO MARYLAND Atl Fleet.	Fwds suggestions of Chief Radio man J. McGarry covering inductance of Mush and Harmonics in arc transmitter W To C-I-C Atl. Fleet- comments 12/7	
651004	11/23	New York	All work on vessel completed at time of departure Y	

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[OVER.]

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
642989	9/22	Chasn.	Request copy of special report from Norf covering elimination of harmonics and must be furnished. W. To Norf- Reqsts Vandyke 9/30	
643798	10/1	Cape Lookout	Weather and static observations for Sept. W.	
644086	10/3	Dept	Copy of letter to 3d Dist. fwding copy of letter from J. T. Price rel to interference with broad casting by radio signalling from Navy Yard. W. Fwds. NY cc Dir. Commns- Norf 10/11 New York 10/24 states trouble is due to amateur improperly installing machine W	
644081	10/1	Hog Isl.	Static report. W.	
644586	10/5	Pensacola	Static report. W.	
644583	10/4	Cape Hatteras	Static Report. W.	

4—3381

Number.	Date.	From or To—	Subject.	
644582	10/6	Port Eads	Static Report. W.	
644695	10/11	To Dir Communications	Reduction of Interference Fwds monthly radio report W - RB 10/14 W. Dept- Fwds copies of correspondence. 10/13 W	
645279	10/12	Dept	Fwds copy of letter from Bureau of Light Houses, rel to interference of radio beacon stations in vicinity of N.Y. W.	
645335	10/12	Norf.	Copy of letter to Radio Inspr Norf. rel to Interferences caused by Norf. Sta. W. Dept 10/25 Fwds copy of list from Dept. Commerce W To non Sec of Commerce (Sec Sig)- Gives inform rel tests cc Norf- 5th Dist. Dir Comm 10/27 Dept of Commerce- Will cooperate with Norf. 10/30 W	
646458	10/15	Cape Lookout	Static report.	

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
641558	8/31	Hog Isl.	Static report for August. W.	
641694	9/4	Poyners Hill	Static report for month of May/ W.	
641923	9/11 9/16	Dept of Commerce Communucations	Fwds letter from T.B.White calling attn to interference from Arlington Sta. W	841
642811	9/19	Atl.Batlshp Force	Copy of letter to Communications requesting eliminate interferences from radio beacons at Fire Island, Ambrose Channel and Sea Girt. W. Communications - Copy action to Dept of Commerce. 9/25 W.	

4—3381

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INTERFERENCE 1922

Number.	Date.	From or To—	Subject.
613850	from card 37		To nO- Operati n of filter circuit with arc transmitter instln- comments W 9/22 New Orln- (T) Waiting reply from NAA on adjustment made to uni wave key 10/28 W Dept- Copy action to New Orln. 10/30 W. To N O (T) Gives instrns cc Dir Comm 10/27 To N O- Gives instrns cc Dir Comm 11/1 8th Dist. (T)- signals now satisf. 11/6 W To N O (T) Signals still unreadable due insufficient distinctness- gives instrns cc Dir Comm 11/3 To N O (T) Gives instrns rel signals cc Dir Comms 11/3 8 Dist 11/8 Signal satisfactory W 8th District 11/7 Filter circuit will be disconnected and not used W
476467	FROM CARD 22		Radio Division #9- Rel to Andrews mush balance circuit. 11:7/21. W Fwds Dept 9/30 BR 10/5 W Pearl Harbor 12/5 Fwds suggestions for elimination of arc mush interference by CB Andrews. X Andrews and Beneficial Suggestions.

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[OVER.]

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
638867	8/22	Communications	Fwds copy of letter from Electric Engineering Co. complaining against radio stations operating in Gulf of Mexico. W. Fwds N O cc Dir Commns 8/29 New Orln- Report on measurements of wave lengths. 9/14 W New Orln- 9/15 W. To N O- Reqsts corres 9/26 RB 10/2 W	
638931	8/23	Dept	Copy of letter to 1st Dist. rel to interference causedby Chatham station with Radio Corpn of America station at Slasconsett. W	
640015	8/30	L. D. Rubin Elec.Co.	Takes exception to Chasn. yard interfering with local radio sets. W.	807
640252	9/1	Cape Lookout	Static report for August. W.	
640326	9/1	Port Eads	Static report for August. W.	

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INTERFERENCE

1922

Number.	Date.	From or To—	Subject.	
640618	9/3	Cape Hatteras	Static report for August W.	
641399	9/5 9/12	Key West Dept	Fwds corres rel to complaint of Elec'l. Engineering Co. against Naval Stations operating in Gulf of Mexico. W	817
641465	9/12	Anacostia	Interferences from Baltimore - request steps be taken to eliminate. W. Fwds corr 9/19	
641532	9/11	Pensacola	Fwds statis report for month of August W	

Number.	Date.	From or To—	Subject.
635282	7/12 7/28	Dept Commerce Dept	Fwds letter from Hon . W. F. Logan rel to complaint of L. D. Rubin Electrical Co. of navy arc transmitter interference at Charleston. K-W Fwds Washn 8/5 RB 8/18/22.W Dept- Copt action to 6th dist. 8/16 W Fwds Operns cc Washn8/23
635503	8/1	Hog Isl.	Static report for month of July. W
636156	8/1	Cape Lookout Comp Sta	Static report fro July. W
636436	8/4	Washn 841	Rel to interference from Army transmitting set at Arlington. W. To Hon Sec of Commerce(Asst Sec Sig) Transmitters- gives Inform cc Dir Comm Comdt Washn 8/18
636823	8/8	Washn.	6 KW aC tube transmitters complete circuits for eliminating harmonics in antenna- request Electric Co. be requested to investigate. W.

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INTERFERENCE

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Number.	Date.	From or To—	Subject.	
636851	8/4	Pensacola	Static report for month of July. W	
637186	8/10	Communications	Fwds correspondence with United Fruit Co. and Dept of Commerce cov interference during Press schedules . W Communications 8/6 W RB 9/1/22-W ——— Fwds New York 8/15 W cc Nav Communications. Fwds NY 8/23 Fwds Nav Communications 9/8 W	
637824	8/1	Grand Island	Static report, month of July. W.	
638284	8/17	Dept	Copy of telegram to 1st Dist rel to interference at Siasconset Station of radio by Chatham Station W	
638770	?	L. D. Rubin Elec.Co.	Fwds clipping inserted in the Charleston newspaper rel to Navy Yard arc interfering with radio fans at Chasn. W.	

4—3381

[OVER.]

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
631426	7/6	DNC	Report of interference Milwaukee Sta. W: Communications-Copy action to Dept of Commerce 7/8 W	
632295	7/1	Grand Isle.	Static report for June. W.	
631379	7/10	To Secy War (Sec Sig	Requesting inform concern radio system. War Dept 7/26 W	
632514	7/6 7/12	Balto. Station Communications	Calls attn to interference from Annapolis Sta. W.	
632514	7/6			

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INTERFERENCE 1922

Number.	Date.	From or To—	Subject.
632525	7/13	Communications	Copy of letter to Hon. W. T. Logan rel to interference by Chasn. with radio broadcasting by L. B. Rubin Elec Co. W/ Communications Copy action to Dept of Commerce. 7/13 W
633536	7/1	Grand Island	Static report for June. W.
634002	7/15 7/20	9th Dist. Communications	Fwds correspondence rel to interference Milwauke Sta. with H. W. Roehr. W. Fwds Dir Comm 7/24
635027	7/26	Hon. E. D. Smith	Fwds clipping and letter rel to interference of Chasn. station to surrounding citizens. To Hon E. D. Smith- rel funds for instln 7/28
634832	7/21 7/25	Signal Corpns Communications	Fwds letter from Dept of Commerce re interference at Arlington by tube transmitters operated at Army Laboatory Sta. W Fwds Washn 7/29 RB 11/9 W Communications- fwds report from Signal Corps 8/9 W Fwds Dir Comm 8/23

To CARD 45

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
626991	6/2	CapeHatteras	Static report for May. W.	
627141	6/1	Grand Isle.	Static report for month of May. W.	
627140	6/1	Burwood Sta.	Static report for month of May. W.	
627478	6/9	Communications	Interference: report on by Dept of Commerce at Norfolk W Fwds Norf 6/14 RB 8/28 W Communications 7/8 W Fwds Norf 7/19 W To Washington- Fwds bprints 9/6 W RB 9/29 " To Dir Comms- Gives inform rel circuits instln of 9/15 To Dir Comm- listed wave lengths are proposed for consideration cc Norf 9/16 To Norf- Recomdns appvd 9/18 Dept- 9/26 W. Fwds Norf via 5th dist 10/6 RB 12/6 W Norf- Rel to eliminating interferences. 10/10 W. To Norf- Rqsts copies of 10/12 W cc NY Norf 10/23 Fwds reports W To NY- Fwds Norf report cc Norf 11/4 To Norf- Reqsts data 12/9	
FWD TO CARD 46				

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Number.	Date.	From or To—	Subject.
627505	6/1	Burwood	Status report for month of May W
630405	6/28	DNC	Copy of letter to Hon. W. H. White rel to interference to Arlington by Annapolis. W.
630591	6/29	DNC	Copy of letter to Dept of Commerce (Nvgn) rel to interference by Detroit radio station. W.
631062	7/1	Hog Isl.	Static Report. W.
631146	6/30	Cape Hatteras	~~Static Report. W.~~ Cape Hatteras- Static report. 8/1 W
631292	7/1	Cape Lookout Comp Sta.	Weather and static observations. W.

4—3331

[OVER.]

Number.	Date.	From or To—	Subject.
614745	3/10 3/21	Pug. Sd. Communications	Radio phone broad-casting by and Elec. Co.- calls attn to interference with Seattle Sta. W To Pug Snd. Gives Inform rel Acceptor-rejector W 3/31
615453	3/29	To Washington	Radio Research Problem 106-B- Investigation of Means for Reducing Harmonics and Mush at Arc Transmitting Stations- W
617719	4/4	Mare Isl.	Fwds reports on reduction of mush and harmonics from arc transmitters. W.
619137	4/17	A. B. Hoeg	Ask how static may be eliminated. W. To Mr. A. B. Hoeg-No apparatus at present time which will eliminate static interference 4/22 W

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INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
620279	4/15 4/22	Dept Communications	Directs Naval radio telephone stations discntinue broad casting of lectures and addresses pending study of interferences. W.	
621904	5/4	Communications	Fwds copy of letter from Dept of Commerce stating interference from radio station at San Frán. has not been eliminated. W.	
587359	3/27	Asiatic Fleet	Gives correction to static conditions in vicinity of Cavite. W.	806
626437	6/1	Cape Lookout	Static report for May. W.	
626958	6/1	Hog Island	Static report for month of May. W.	
627580	6/9 6/10	Hon S.E.Mudd Communications	Rel to interference cuased to radio broad casting by Annapolis Station W	920-1

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[OVER.]

INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
605175	1/16	Morehead City	Static report month ending 1/16 W	
608614	2/4	Anacostia	Interference between Anacostia Radio station and Bolling field- report cov. W.	
608613	2/6	Anacostia	Special type static eliminating device tried out and found unsatisf. W.	
609601	2/15	To Navign	Sun spots and their relation to electrical disturbances observed in radio equipment W	

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INTERFERENCE 1922

Number.	Date.	From or To—	Subject.	
610711	2/17	Anacostia	Problem 31- B- reduction of arc harmonics and mush- recommends be cancelled. W. To C. Anacostia- Reqst Problem 31-B be stricken from list 3/31	
610772	2/20	Washn.	Fwds preliminary report cov complete arc circuit in conn with reduction of arc harmonics and mush. W.	
611832	2/22 2/28	C. A. Briggs Communications	Calls attn to interferences from Arlington Station with public broad casting - request be assigned. Y	
613136	3/8 3/9	Dept Commerce Communications	Fwds copy of letter from I. Vemilgya complaining of interference caused by Operator on board OHIO on 360 meters. W	914
613850	3/13 3/14	Dept of Commerce Communications	Fwds copy of letter from Radio Insp New Orln rel to interference caused by Navy radio stations at New Orln Mobile & Port Arthur W	820
card 43			D.N.C- Fwds letters from Dept of commerce- 7/6 W Fwds N Orleans 7/12 W New Orln- report cov trouble experienced with filter circuit. 8/15 W Fwds Washn 8/28 RB 9/19 W New Orln- Fwds correspondence rel to interference 8/31 W	

INTERFERENCE 1921

Number.	Date.	From or To—	Subject.	
3 600452	12/14	Bur Stand.	Observation of effect of sun spots on communication facilities on Pacf.Coast - fwds correspondence and report cov. W. To MI Gives daily procedure to carried out 12/21 MI- Ask if photos are available. 2/20 W. To Bu of Standards- Reqst MI be furnished wi with copy of report 3/29 To MI-- Gives Action taken cc Bu Standards 4/11 MI- Request observations be furn. 4/19 W. Fwds MI 5/2 To MI- Fwds monthly averages 5/13 Pac Coast Supt 6/12 Fwds report on observation carried out by Richard H.Fannon W 6/12 To MI Rqsts work be continued 7/20 W Fwds Bu Standards 1/9/23 RB 1/25 W	
584789		fwded from 34 card	Fwd Director naval communications -interference caused by the radio corpn station at Chatham W 12/15 RB 12/17 W	
600955	12/16	Anacostia	Calls attn to possible influence of bad insulation and brushing on harmonics at high power stations. W.	

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INTERFERENCE 1921

Number.	Date.	From or To—	Subject.	
601194	12/17	Communications	Fwds copy of letter written by Dept of Commerce to H. R. Joy rel to interference of Cleveland and Detroit station with certain radio test of Western Elec. W. Fwd 9 Dist 12/22 RB 1/3/22 W. 9th Dist- Copy action to communications 12/20 W 9th Dist- 12/21- Copy action to Communications. W	
601339	12/15	Morehead City-	Report on atmospherical conditions month ending 12/15. W.	
597101	12/23	To Bernard L Smith	Receivers-apparatus- comments on W	
602115	12/21 12/27	PCCS Communications	Fwds radio compass bearings and static for month of November. W.	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
587220	9/29	To MI	Reduction of Harmonics and Mush at Arc Transmitting Stations W
589669	10/10	Bar Harbor Copy	Report cov difficulty experienced with Darien while copying San Diego. W.
590315	10/14	Communications	Copy of endorsement to 5th Dist rel to operation of intra fleet set. W.
590397	10/14	4th Dist.	Copy of letter to Communications rel to determination of direction of static by radio compass. W.
590566	10/12	MI Rewire	Fwds beneficial suggestions of L. D. Kumeillke, rel to combined harmonic mush eliminated circuit and radio telegraphic signalling system for arc radio transmitters. W. To MI Reqst for report action withheld 11/12 MI- Fwds special report on reduction of mush. 1/23 W Fwd Washn yd-reqt comments-2;21-W RB 3/10/22/W Fwds MI 3/16 RB 4/13 W To Washington - Gives Instrns 3/16
591626	10/19	Bar Harbor	Report covering interference with radio signals from unknown cause on 10/14 W
592444	10/18 10/25	PCCS Communications	Subm radio compass bearings for month of Sept. W.

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INTERFERENCE

1921

Number.	Date.	From or To—	Subject.
592493	10/18	MI	Fwds report on reduction of mush and harmonics from arc transmitters. W.
594858	11/4	Independent Wireless T Co.	Calls attn to interference experienced at New York station due to harmonics at Annapolis Md. W. To - Gives Action 11/14
596328	11/16	Morehead City.	Fwds statis log with report on atmospherical conditions month ending 11/15 W.
597899	11/29	Communications	Fwds copy of letter from Radio Corpn rel to Phila. transmitter interfering with calibration receiver at Chatham. W. Fwds Director Naval Communications 12/9
599197	12/10	To Comdts yards listed	Determination of direction of source of static interference- Discontinuing work on W

INTERFERENCE 1921

Number.	Date.	From or To—	Subject.
583507	FROM CARD 34		
	Va. Beach. 10/16 W.		Va. Beach. 9/27 W.
	Hog Island 10/19 W		Va. Beach. 9/29 W.
	Hog Island 10/20 W		Hog Island. 9/28 W.
	Hog Island 10/21 W		Va. Beach. 9/20 W w
	Va Beach 10/19 W		Hog Isl. 9/29 W.
	Va. Beach 10/20 W.		Hog Isl. 9/30 W.
	Hog Isl. 10/24 W		Va. Beach 10/1 W.
	Hog Isl. 10/23 W.		Va. Beach. 10/3 W.
	Hog. Isl. 10/22 W.		Hog Isl. 10/1 W. (2)
	Hog. Isl. 10/26 W.		Va. Beach. 10/2 W.
	Hog. Isl. 10/25 W.		Hog Isl. 10/3 W
	Va. Beach. 10/23. W.		Hog Isl. 10/2 W
	Hog Island-10;27 W		Va. Beach. 10/4 W
	Virginia Beach-10;27-W		Cape atteras- 10/1 W
	Hog Island-10;29-W		Communications-Fwds report from Grand Isl. 10/5 W.
	Balto-10;31-W		Va. Beach 10/5 W
	Hog Island 10;28-W		Va. Beach. 10/8 W
	Hog Island-10;30-W		Va. Beach 10/10 W.
	Communications-Report from Grand Island. 10/28 W.		Hog Isl. 10/7 W.
	Va/ Beach. 10/31 W.		Hog Isl. 10/8 W.
	Hog Isl. 11/1 W.		Hog. Isl. 10/10 W
	Hog. Isl. 10/31 W.		Hog Isl 10/6 W.
	Cape Hatteras 11/1 W		Hog Isl. 10/9 W.
	Hog. Isl. 11/2 W		Va. Beach. 10/11 W.
	Hog. Isl. 11/1 W		Hog. Isl. 10/4 W.
	Communications 11/3 W		Hog. Isl. 10/5 W.
	Va. Beach. 11/3 W		Va. Beach 10/12 W.
	Va. Beach. 11/2 W		Grand Isl. 10/7 W.
	Va. Beach 11/1 W		Hog Island 10/11 W.
	Pass-A-Loutre 10/31 W		Hog Island 10/12 W.
	Hog Isl. 11/3 W		Hog Isl. 10/13 W
	Va. Beach. 11/6 W		Hog Isl/ 10/14 W
	Hog. Isl. 11/4 W.		Va. Beach. 10/13 W.
	Hog. Isl. 11/5 W.		Va. Beach 10/15 W.
	Va. Beach. 11/4 W.		Morehead City- 10/15 W.
	Hog Isl. 11/6 W		Hog Isl. 10/15 W
	Hog Isl. 11/8 W		Va. Beach 10/15 W.
	Hog Isl. 11/7 W.		Hog Isl. 10/16 W.
	Va. Beach. 11/7 W		Cape Hatteras- 10/16 W.
	Hog Isl. 11/9 W		Hog Isl. 10/17 W.
	Hog Isl. 11/11 W		Hog. Isl. 10/18 W.
	Hog Isl. 11/10 W		5th Dist. 10/19 W.
			Va. Beach 10/18 W.
			Communications- fwds report from Grand Isl. 10/20 W.
			Cape Lookout 10/15 W

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INTERFERENCE 1921

Number.	Date.	From or To—	Subject.
583507	OVER		Va. Beach. 11/10 W.
			Grand Isle 11/4 W.
			Hog. Isl. 11/13 W
			Hog. Isl. 11/14 W
			Hog Isl 11/12 W.
			Va Beach 11/11 W.
Va.Beach.12/5 W			Va. Beach /11/13 W
Hog Island-12/6 W			Hog.Isl. 11/15 W.
Va. Beach 12/6 W			Va. Beach. 11/15 W.
Hog. Isl. 12/7 W			Cape Lookout 11/16 W.
Communication-Report			Hog Isl. 11/16 W.
from Grand Isle.12/10W			Hog Isl. 11/17 W.
Hog Isl. 12/8 W			Va. Beach. 11/17 W.
Va. Beach. 12/7 W			Cape Hatteras 11/16 W.
Hog Isl. 12/9 W.			Communications- Fwds report from Frisco.
Va. Beach. 12/9 W			11/21 W.
Va. Beach. 12/10 W/			Hog Isl. 11/18 W.
Hog. Isl. 12/11 W.			Hog Isl. 11/19 W.
Hog. Isl. 12/10 W.			5th Dist- Report from Cape Hatteras.11/22 W
Hog. Isl. 12/12 W			Hog. Isl. 11/21 W.
Grand Isl. 12/2 W			Hog. Isl. 11/20 W.
Burwood 11/31- Monthly report. W			Hog Isl. 11/23 W.
Pass a Loutre- 12/5 W			Hog Isl. 11/22 W.
Va. Beach ,?? W.			Communications- Report from Grand Isle.11/25W
Cape Hatteras- 12/16 W.			Hog Isl. 11/24 W.
Hog Isl 12/14 W.			Hog Isl. 11/25 W.
Communications- Report from Grand Isl.			Hog Isl.11/26 (2) W
12/19 R			Va. Beach. 11/25 W.
Cape Hatteras- 1/1 W			Hog Isl. 11/27 W.
Burwood Sta- report fro Dec. ? W			Hog.Isl. 11/28 W.
Cape Hatteras 1/16 W			Va. Beach. 11/27 W.
Cape Hatteras 2/1 W.			Baltimore 11/30 W.
			Va. Beach 11/30 W.
Pass a Loutre- 2/1-Jan. report. W.			Cape Hatteras 12/1 W W
			Va. Beach 11/29 W.
			Hog Isl. 11/29 W.
			Hog Isl. 11/30 W.
			Communications 11/3 W.
			Va. Beach. 12/4 W.
			Va. Beach 12/1 W.
			Va. Beach 12/2 W.
			Hog Isl. 12/5 W.
			Hog Isl. 12/4 W.
			Hog. Isl. 12/2 W
			Hog Isl 12/3 W

INTERFERENCE

Number.	Date.	From or To—	Subject.
583234	8/30	Va. Beach.	Static report. W.
583263	8/30	Bureau Stand. Labr.	Rsch Problem 106-B- reduction of harmonics and mush at arc stations- subm report. W.
583447	9/1	Baltimore	Static report. W.
583507	8/31	Hog Isl.	five static reports/ W.
		Va. Beach. 9/15	Grand Island 8/15 W.
		Cape Lookout- 9/15 W.	Va. Beach- 9/1 W
		Grand Isl. 9/8 W.	Va Beach 9/2 W.
		Va. Beach. 9/17 W.	Hog Isl. 9/1- ".
		Va. Beach. 9/16 W.	Va. Beach 9/4 W.
		Va. Beach. 9/18	12th Dist- 8/23 W
		Va. Beach. 9/19 W.	Cape Hatteras- 9/2 W
		Cape Hatteras 9/16 W	Hog Isl- 9/3 W
		Va Beach 9/20 W	Hog Isl. 9/5 W.
		5th Dist 9/21 Static report W	Va. Beach. 9/6 W.
		Hog Island 9/17 W	Va. Beach. 9/7 W
		Hog Island 9/15 W	Va. Beach. 8/8 W.
		Hog Island 9/18 W	Hog Isl) 9/8 W.
CARD 34-A		Hog Island 9/16 W	Hog. Isl. 9/8 W.
		Communication 9/21 static report for Grand Isle station W	Hog. Isl. 9/7 W.
		Hog Island 9/21 W	Va. Beach. 9/10/W.
		Hog Island 9/20 W	Va. Beach. 9/9 W.
		Hog Island 9/19 W	Va. Beach 9/12 W.
		Va Beach 9/21 W	Hog Isl. 9/9W.
		Hog Isl. 9/22 W.	Hog Isl. 9/10 and 11. W.
		Va. Beach. 9/22 W.	Hog Isl. 9/1. W.
		Va. Beach. 9/23 W.	Va. Beach. 9/13 W
		Va. Beach. 9/24 W.	Grand Isl. 8/31 W (3)
		Hog. Isl. 9/23 W	Hog Isl. 9/12 (2)
		Va. Beach. 9/25 W	Va Beach 9/14 W.
		Hog Isl. 9/24 W.	Hog Isl. 9/14 W.
		Hog Isl. 9/27 W.	Hog. Isl. 7/31 W.
		Hog Isl. 9/26 W.	Burwood 6/14 W.
		Hog Isl. 9/25 W	

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Number.	Date.	From or To—	Subject.	
582471	8/23 9/24	1st Dist D.N.C.	Reports interference by Chelsea Station with Radio Corpn Commercial station at Chatham. W	920-5
584789 36 card	9/9 Phila- Subm reports on measurements of decrement of all waves for transmission at Cape May and Phila. 10/7 W Fwd dir communications 10/14 Communications 11/5 W	D.N/C.	Cape May and Boston- radio Corpn complains of interference. W. Fwd Phila 9/15 Communicatins- Rqst action 9/28 W Fwd Phila ccDir comm 10/1 Fwd Phila 11/23 RB-12.9-W	
585944	9/15	Morehead City.	Report for month ending 8/15. W.	
586541	9/14 9/21	12th Dist Communication	Submits chart showing radio compass bearings of statics W	
586559	9/15	1st Dist	Communication 9/21 elimination of interference bet Navy & radio Corpn, radio stations submits recommendations in detail W Fwd 1 Dist via Boston 10/4	
587221	9/29 Bur Stand Labr- Ask if disturbances from Arlington are same as at Chalos Heights- 10/3 W	To Bu Stds	Reduction of Harmonics and mush at Arc Transmitting Stations W	
587222	9/29 To Washn rel test of system cc Bu standards 10/12	To Washn	Reduction of harmonics and Mush at arc transmitting stations W Washn 10/7 W	

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Number.	Date.	From or To—	Subject.	
580927	8/15	Va Beach	Static report W.	
581288	8/15	Hog Island	Static report W.	
581343	8/17	Va. Beach	Static report. W.	
581502	8/18	Va. Beach.	Static report. W.	
581535	8/15	Cape Lookout	Static report. W.	
581625	8/16	Hog Isl.	Static report. W.	
581690	8/16	Cape Hatteras	Static report. W	
581711	8/19	Va. Beach	Static report. W.	
581770	8/18	Hog Isl.	Static report. W.	
581836	8/12	Pug. Sd.	Static report. W.	
581907	8/20	Va. Beach	Static report.	

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Number.	Date.	From or To—	Subject.	
555540	8/19	N.Y.	Fwds report on elimination of mush W	920-8
58199 6	8/21	VA Beach	Static report. W.	
582021	8/19 20 21	Hog Isl.	Static report. W.	
582114	8/15	Cape Hatteras	Static report. W.	
582087	8/22	Va. Beach.	Static report. W.	
582263	8/23	Va. Beach	Static report. W.	
582613	8/24	Va. Beach.	Static report. W.	
582945	8/22	Hog. Isl.	Static report. W.	
582988	8/26	Va. Beach.	Static reprt. W.	
583082	8/28	Va. Beach	Static report. W.	
583158	8/29	Va. Beahh	Static report. W.	

INTERFERENCE 1921

Number.	Date.	From or To—	Subject.	
578886	8/1	Cape Hatteras	Static report. W.	
578970	7/26	MI	Static report, Yerba Buena and North Island stations. W.	
579124	8/4	Virginia Beach	Static report. W.	
579445	8/5	Va. Beach.	Static report. W	
579441	8/4	Hog Isl.	Static reports. (4).W.	
579450	8/6	Virginia Beach	Static report. W.	
579623	8/5	Hog Isl.	Static report. W.	
579731	8/8	Va. Beach	Static report. W.	
580221	8/10	Va. Beach	Static report. W.	

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Number.	Date.	From or To—	Subject.	
579920	8/9	Va Beach	Static report. W.	
580092	8/7	Hog Isl.	Static report. W. ditto 8/8 ditto 8/6 ditto 8/9	
580454	8/8	MI	Observations of static at receiving stations.W	
580482	8/11	Hog. Isl.	Static report. (2) W.	
580595	8/12	Virginia Beach	Static report. W. Va.Beach. Static report. 8/12 W	
580680	8/12	Hog. Isl.	Static report. W.	
580833	8/14	Hog Isl.	Static report. W.	
580836	8/13	Hog Isl.	Static report. W.	

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INTERGERENCE 1921

Number.	Date.	From or To—	Subject.
577406	7/26	5th Dist.	Fwds static reports from Virginia Beach Station W. (7 letters)
577407	7/17 7/26	Cape Hatteras- 5th Dist.	Static report. W.
577409	7/16 7/26	Cape Lookout 5th Dist	Static report. W.
577421	7/16 7/26	Virginia Beach 5th Dist	Static report. W.
577588	7/22 7/27	Hog Island 5th Dist	Static report. W.(2)
577589	7/27	5th Dist.	Fwds static reports from Va. Beach W.
577870	7/27 7/28	Virginia Beach 5th Dist.	Static report. W.
578083	7/29 7/30	Grand Isle. Communications	Static report. W.
578236	7/26	MI	Static report, various stations. W.

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INTERFERENCE 1921

Number.	Date.	From or To—	Subject.
578260	7/30	Virginia Beach	Static report. W.
578301	6/29 7/1	Va. Beach. 5th Dist.	Static Report W.
578394	7/31	Balto.	Static report. W.
578399	7/29	Hog Isl.	Static report. W. Hog Isl. 7/30 W.
578398	7/31	Va. Beach.	Static report. W.
578475	8/1	Va. Beach.	Static report. W.
578476	7/28	Va. Beach.	Static report. W.
578739	8/2	Virginia Beach	Static report. W. (2)
578951	8/3	Bur Standards	Subm report on reduct on of mush and harmonics at arc stations. W. To M.IS.—Comments on. 8/8 W
578950	8/1	Hog Isl.	Static report. W.
578948	12/31	Hog Island.	Static report. W.
578930	8/3	Va Beach	Static report W

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INTERFERENCE 1921

Number.	Date.	From or To—	Subject.
572389	6/25	Pug·Sd·	Fwds special report on direction of static sources. W.
572653	6/27	Virginia Beach	Static Report· W. (2)
572808	6/30	Baltimore	Static report. W.
573313	7;2	Virginia Beach	(2 letters) Static report.L
573032	7/1	Cape Hatteras	Status report W
573518	7;2	Virginia Beach	Static report.W
573529	7;5	Virginia Beach	Static report.W
	7;8	5th Dis	
574763	7;9	Virginia Beach	(5 letters) static report.W
576677	7/23	To Radio Corpn T	In re interference P.H. and Cavite W
			To MI Tel 7/23
		To Radio Corpn 8/4	Alexandersson (T)-Will start 2d transmitter 8/1 7/27 W
		Radio Corpn America-8/9 W	To M.I. Tel 7/30
		To Comdt MI- 8/17 coby Naval	MI- (T) Report on Kehuka Interference. 7/30 W
		Com PCCS PH	To Radio Corpn Tel 8/1

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Number.	Date.	From or To—	Subject.	
574816	6;30	Pass a L'Outre	Static report.W	
574815	6;30 7;13	PCCS Comm	Static report.W	
574817	6;29 7;13	Grand Isle Sta Comm	Static report.W	
575446	7;11	PCCS	Report on effect of Arora Borealis on radio ~~ex~~ receiving circuits.W	
575943	7;14 7;18	Virginia Beach 5th Dis	Static report.W Vriginia Beach-7;13-W	
~~575~~ 547630	7-20	To Comdts DNC PCCS Flts	Interference caused by hp stations of Com. service due to arc trans functioning for long periods of time without being utilized for signalling. W	876
576414	7;16	Moorhead City	Static report.W	
576580	7;16	Cape Hatteras Static	report.W	
576755	7;18	Hog Island	Statis report.W	
577129	7/18 7/25	Burwood Communications	Static report. W.	

Number.	Date.	From or To—	Subject.
567591	5/13 6/2	Communication Supt Frisco Communications	Subm statis report. W.
567878	6/1v	Mare Isl.	Rsch problem- 100-c - elimination of induction from battery harging system- report covering. W.
568242	5/25 6/6	Grand Isle Communications	Static report. W.
568892	5/31 6/10	Burwood Communications	Static report. W.
568010	6-13	To Postmaster General 1213	Asks results of static conditions existing in Rocky mountain region. Offers loan of radio comp coil system to assist investgns. W P.O.Dept-7;2-W To PO Dept- 7-15
569887	6/11	MI	Fwds static observations reports Yerba Buena North Island and San Diego. W.
570115	4/15	Cape Hatteras	Static report. W

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Number.	Date.	From or To—	Subject.	
570228	6/16	Morehead City	Fwds static report. W.	
570467	6/15	Cape Lookout	Static report month ending 6/15 W.	
570609	6/16	Cape Hatteras	Static report W.	
570597	6/13	MI	Resch problem 106-B-reduction of mush and harmonics- at Arc stations- report cov. W.	
570646	6/18	Virginia Beach.	Static report. W.	
570738	6/20	Va. Beach.	Static report. W.	
571279	6/22	Virginia Beach	Static report. W.	
571478	6/23	Virginia Beach	Static report. W	
571940	6/11	MI	Fwds static observations from various stations. W.	
572051	6/25	Virginia Beach	Static report. (2) W.	

INTERFERENCE 1921

Number.	Date.	From or To—	Subject.	
562187	5/5	Communications	Fwds copy of letter from PCCS rel to receiving results at Frisco. W.	
564081	5/10	MI	Fwds static report Yerba Buena and North Island. W	
564003	5-17	To S&A	Reqst shipmt of dynamotor from Anacostia to G.E. Co. W 7464	
564550	5/15	Va. Beach Comp Sta.	Static report. W.	
564551	5/15	Cape Lookout Comp Sta.	Static report. W.	
564552	5/16	Morehead City	Static report. W.	
564952	5/15	Cape Hatteras	Static report. W.	
565301	5-23	To Comdt Boston via Mare Island	Effect of auro borealis on radio receiving circuits. Reqst info rel Bar Harbor or Yerba Buena stations. W Boston 6/8 W MI 6/15- W	
567135	5/31	Balto.Sta.	Static report for May. W.	

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INTERFERENCE 1 1921

Number.	Date.	From or To—	Subject.	
565536	5/13 5/19 Fwd Bu of Standards 12/9 To MI- comments on 12/10	12th Dist/ Communications	Fwds correspondence in conn with radio research observations on static of sun spots. W To Comdt 12th Dist- appvl of procedure outlined for investigation 6/23 Communications- Fwds report from Cat T. J. See on effect of sun spots on radio commcns, Pacf. Coast 11/15 W	
565884	5/2	Hog Isl.Comp Sta.	Static report. W.	
565913	5/15 5/23	Hape Hatteras Sta. 6th Dist.	Status report for month ending 5/15. W.	
566277	5/9 5/26	Pass A Loutre Communications	Static report. W.	
566276	5/18 5/26	Grand Isle. Communications	Static report. W.	
566275	5/12 5/26	Pass a Loutre Communications	Static report. W (3)	
566402	5/14 5/27c	Burwood Communications	Static report. W.	
566400	5/11 5/27	Grand Isle Communications	Static report. W.	
566401	5/18 5/27	Burwood Communications	Static report. W/	

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Number.	Date.	From or To—	Subject.
555859	3/29	MI	Fwds special report of interference between ajacent vessels using osculating audions. W.
556197	4/5 4/6	Bar Harbor 1st Dist.	Subm observations on direction and origin of status by radio compass. W.
556552	3/31	Balto. Station.	Static report for month of March. W.
557177	4/12	Communications	Fwds copy of letter from Commissionar of Navigation in conn with interference from Naval stations on West Coast. W. To Comm 4/14 To Navign- 4/14
558589	4/17	Virginia Beach	Report on static observation month ending 4/15 W.
558722	4/16	Morehead City	Fwds statuc log, month ending 4/15 W.
558993	4/15	MI	Fwds static observations, North Isl. Sta. Months of October, November, December, 1920, Jan. Febr. March, 1921. W.
555828	4/20	To Comdt's Yards	Determination of direction of static- - Static shld be fwded with monthly report and shld incorporate inform on dir and nature of static noted W. 9th Dist. 4/29 W. Pug. Sd. Fwds special reports. 5/4 W. Pug. Sd. 5/5 W.

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Number.	Date.	From or To—	Subject.	
559052	4/5	MI	Fwds reports on static observations at North Isl.&Sandiego. , W.	
559189	4/17	Cape Hatteras	Static report month ending 4/15 W.	
559356	4/15	MI	Fwds static observations, San Diego Sta.	W.
559389	3/23 4/19	Nav.Attache,Copenhagen Communications.	Fwds copy of application of E.M.C.Tigersteady for patent covering cryptophone,an instrument for sending wireless messages which can be received only by certain stations. W. fwd Anacostia 6-7 RB 6/14 W Fwd Commun 6/18	
559528	4/16	MI	Subm static observations report at Yerba Buena W.	
560021	4/16	MI	Fwds static observations for Yerba Buena.	W.
561364	4/30	5th Dist.	Fwds static ~~rep~~ log for month of April.	W.
561693	4/24 5/3	Burwood Communications	Static report. W.	
562037	5/1	Cape Hatteras	Static report.W.	

Number.	Date.	From or To—	Subject.
531718	FROM CARD 24		Europ Forces- Fwds report of experiments conducted on board Olympic on effect of moon on radio conditions in the Adriatic. 2/16 W To European Forces 3-11 Europ Forces- Rqst allotment be made to ST.LOUIS instead of OLYMPIA. Copy- 5/4 W To PITTS Tel transfer allotment exprs OLYMPIA to ST LOUIS authorized 5/16 Europ Forces- Fwds data sheets on static. 11/13 W Turkish Forces- 12/8-Fwds charges. 12/8 W
526712		SEE CARD 24	To MI Reqst Inform re completion of relays 3/10 W To MI Reqst inform 3/26 MI- 3/31 W To MI Constrn of addnl Fanning relay Authd 4/13 San Diego 6/27 T- Relays ready for shipt W To S&A shipt of radio relay from M.Island to Bureau of Standards 6/30 7993 RB 9/1 W. Shipt order from M.I. to Anacostia 6/30 7994 RB 9/24 M.Is--Submits prints of Fanning Relay. 6/29 W To M.I. Tel 8/2 MI- (T) Fanning radio relay shipt to Bur Standards 7/30 8/4 W. To M.Is—8/9 W
552353	3/15 3/17	Morehead City- Communication S pt	Ask if hourly up keep of static log is still in effect. W.

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Number.	Date.	From or To—	Subject.
552888	3/15 3/21	Cape Hatteras Communication Supt,	Subm observation of atmospherics month ending 3/15. W.
553071	3/19	Morehead City	Fwds monthly static report. W.
553287	3/18	Pacf. Fleet	Calls attn to interference between adjacent vessels using oscilating audions. W.
553315	3/18 3/24	Grand Isle Comp Sta Communications	Subm statis report. W.
553533	3/23	Cape Henry Comp Sta	Subm static report. W.
553589	3/9	4th Dist.	Fwds static report. W.
554971	4/1	4th Dist.	Fwds static report from Comp Sta. W
555631	4/5	Communications	Fwds static report from Grand Isl. W.
555923 8	4/4	Bur Stand. Labr	Recommends instrns be given coy determination of static direction at stations listed. W. Bar Harbor- 8/8 Y Bar Harbor- 9/2 W

INTERFERENCE 1920

Number.	Date.	From or To—	Subject.
532200	12/1	Communications	Interference from radio station at Ports. Yard- report covering. W. fwd Norf 12/3 RB 12/17 W. fwd Commun 12/22 RB 12/24 W.
533313	11/24 12/6	Pug.Sd. Dept	Fwds beneficial suggestions by H. G. Cordes covering radio signal sifter. W. Bureau Standards- Subm comments and suggestions in detail 1/11 W fwd Sec 2-14-21 RB 2-16 fwd Puget Sd 2-21
535006	12/10	Mare Island	Rsch problem 45-B- packing automatic relay and static reducing device - special report on. W
541011	1/12	Mare Island	Fwds copies of reports on rsch problem 45-B Fanning automatic relay and static reducing device. W.
541163	1/19	P.C.C.S. Copy	Associated Press desire to cooperate in demonstration of packing relay at Pearl Harbor ask if will approve W. To M.Is PCCS Frisco Tel 1-20 fwd Sec via Intel recs rel 1-22 RB 2-3 fwd Comdt 12th Dist via MI and Com 2-12 12th Dist. Subm report on fanning relay. 2/26 W.
542094	1/21	Wireless Imprvt Co	Request data be furn in conn with Co.'s making experiments on arc harmonics of much which prevails on short wave length. W. To 2-4-21 Wireless Imprvt Co. 2/15 W. Wireless Imprvt Co.- 2/23 W.
544632	2/3 To-- Gives inform 3/31	Independant Wireless Tele.Co.	Calls attn to interference from various Naval stations. W. To Washn Gives instrns 2/11/21 To IM NY re complaint of independent wireless Tel Co from Opern of 3 Dist. 2/11/21 RB 3/11
544724	2/4	Communications	Fwds copies of correspondence from Dept of Commerce rel to harmonics or wave lengths. W

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Number.	Date.	From or To—	Subject.
545749	2/4 2/10	Communication Supt Communications.	Fwds graph showing radio compass bearings and static for month of January. W
546763	2/15	Bur Stand. Labr.	Comments on arc interference and arc mush. W To Bur S tandards 2-19
547275	2/16	Bureau Stand. Labr	Fwds description of new circuit for reduction of interference. W. To Bur Standards 2-25 To Reqt no further work be done on. 8/8 W
547298	2/16	1st Dist.	report on determination of origin of static. W
547323	2/18	4th Dist.	Fwds reports on observations of static made by Cape May and Bethany Beach compass sta. W.
547597	2/19	Bur Stand Labr	Inductively coupled arcs for elimination of harmonic and mush. W. To Anacostia 2-28 To Wash 6-15
548031	2/15	Ham. Rds. Copy	Recommends NC-2 be sent to aircrft Facty for over haul preparatory to radio test. W.
547630	2-23	To IM's Comdts	Interference caused by hp stations of com service due to arc trans functioning for period of time without being utilized for signalling W 876
549632	3/2	Anacostia.	Problem 36- subm report on investigation of atmospheric disturbances on all wave lengths. W. To Washn Reqst development work be expedited 3/15

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Number.	Date.	From or To—	Subject.
505640	7-17	To N.Y. (SEE 909)	12 inch gong- Loan to Telautograph Co. Reqst comply with reqst of Co when made. L copy to Telau Co.
515011	9/1	PCCS Copy	Reports on interference from Kahuke, Japan Rqst investigate situation; communications crippled. W.
516924	9-4	Mare Is	Research report 45-F; Fanning's static reducing device; report of test; W
515151	9-16	Boston	Submits estimates; W
517509	9-14	Anacostia	Problem #74, statuc reducing circuits; reports on test; W
522570	10/5,	Mare Island	Fanning automatic relay and static reducing device - report covering. W.

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Number.	Date.	From or To—	Subject.
526712	10-23	Mare Is	Research problem #45: Fanning automatic relay and static reducing device; report on; W
	Mare Island- 11/7 W.		To M.I. reqst recs 11-13 copy Com Pac and Asiatic Fleet Obs ervatory
	To Comdt M.I. 12/8		
	Mare Island- Subm estimate. 12/24 W.		
	To M.Is 1-7		
528473	c11/5	Pug.Sd.	Mare Isl. 3/2/21 W Fwds special report on experimental adjustable mechanical stop air reson ance static limit device. W.
			To Puget Sd 11-19
			Pug.Sd.- Fwds special report on static eliminating devices. 2/24 W
528655	11/4 11/9	Surf Side Sta. 1st Dist.	In conn with determination of direction and origin of static by radio compass. W.
529248	11/4	Mare Island	Fwds re ort on static observations at Frisco radio control stations W.
529548	11/8 11/15	Grand Isle Comp Sta. Commu ications	Subm static report. W.
529576	11/8	Mare Island	Fwds special report on investigation of statis observations at San Diego Sta. W.
			To Comdt M.I. 12/8
531088	11;23	Independent Wirless T Co	Fwds copy of letter from J.A.Basson in connection with interference by Sayville and Annapolis stations.W
			Fwd Washn 11-29
531718	11/15	Europ Force	Fwds letter fro O.O.Peterson detachment Radio Officer, with prints rel to effect of moon on radio conditions in the Adriatic W. Cross Moon effect on Radio (new card)
TO CARD 26	Fwd Bur Stds 12/2 RB 12/15 W		To European Forces. comments 12/22
	Adriatic Forces- Report on effect of the moon on radio condition in the Adriatic 2/3 W		

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INTERFERENCE

Number.	Date.	From or To—	Subject.	
478848	2/28	Norf	Investigation of induction interference with and audion frequency amplifier directly connected in the antenna; submits report with photos. To 1M Norf 3/11 Norf - fwds report on investigation of static and induction interference with an audial frequency amplifier directly connected ~~with~~ into antenna - W 3/19	W.
479870	2/19	Lt. W. N. Fanning	Automatic relay and static reducing device- report covering. Communications- Fwds copies and tape in conn with using automatic relay 4/6	W. W.
484454	3/29	Bur Stand Labr.	Fwds report of "Study of static, in Porto Rico", by Dr. L. W. Austin. Bur Stand. Labr. Fwds revised report. 4/5	W. W.
485950	4/1	P. C. C. S. 842	Interference at Yerba Buena Island and Honolulu - subm report covering, with recommendations covering research work. Communications- Fwds report of PCCS cov interference. 4/7 W.	W.
487201	4/5	American T/T/Co.	In conn with demonstration of printing telegraph used in receiving radio signals.	W
492088	4/3 5/6	4th Dist Communications	Submits observations of static effect on radio compass coils - W	
492871	5/6	Anacostia	Subm addtl inform in conn with interference preventing circuit, fwding diagram. Anacostia- Fwds report of interference preventing circuit with diagrams. 5/6 W.	W.

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Number.	Date.	From or To—	Subject.	
493566	5/4 5/13	Ham. Rds. Norf.	Recommends spark receiver at Ham.Rds. be equipt with apparatus for eliminating radio interference equal to that used for atlantic Fleet.	W.
493820	5/1	Pearl Harbor	Mutual Telephone Co. unable to work, due to interference from Pearl Harbor transmitter - subm report covering. fwd Com 5/18 RB 5/21 W	W.
494238	5/12	Mare Island	Instrns to change 600 meter commercial wave lengths to partially eliminate interference.	W.
497868	6/3	Dr. L. W. Austin	Subm report on study of direction and static in Porto Rico. fwd Secty 6-8	W.
501775	6/2 6/9	Mutual Telephone Co. Pearl Harbor	Are unable to work due to material troubles; ask if can purchase from Pearl Harbor. W. To P.H.- auth loan 7/6	
502160	6/25 ?	J.H. Claus Dept	Subm comments on design of radio receiving circuit which will reduce static disturbances; ask if Bur wishes demonstration.	898
504465	7/9	Dept	Fwds copy of letter from J. H. Claus in c nn with design of radio receiving circuit to greatly reduce static disturbances and increase signals. W.	

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Number.	Date.	From or To—	Subject.	
461758	12/5	Jno. Firth	Dr. McCaa will visit Bur 12/8 in conn with statis and interference preventer. W.	
463123	11/28	Pearl Harbor	Rejector circuit foe elimination of arc interference - report covering - W To- Desires further information. copy to Mare Island. 12-17	
464131	11/25 12/1	Wailupe Hawaii	Subm report on operation of tone traps. W	
467527	1/2	Dr. Austin	Study of static condition in tropics - recommendation for. Fwd Dept. 1-8-20 RB 1/16 Fwd. 1-21 Dept- Authorizes trip of Dr. Austin to Porto Rico to conduct investigation in conn with static conditions. 1/13 X 635 - 4	W.
473789	1/31	A. Crossbey	Subm information rel to procedure which will be followed in investigating atmospheric disturbances on long wave lengths.	W.
474226	2/4	Washington	Test of interference between antenna with fire room control apparatus at Washington Yard. Request be cancelled and assigned to OHIO. To Cat Washington 2/7	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
426302	from card 20		N.Y. 1/12	
474575	1/30	Anacostia	Uni-Directional or barrage circuit- subm comments on with print.	W.
476467	2/3	Pearl Harbor	Fwds suggestions for eliminating of arc much interference of radio receiving circuits,- G. D. Andrews application for patent- fwds. X 896. fwd Cdt P.H. 3/3 RB 4/22 W. To Pearl Harbor. 8-5 To Comdt Pearl Harbor- Asks length of time circuit of Andrews as in use at Wailupe 2/18 W	W.
TO CARD 43				
477817	2/19	Pug.Sd.	Fwds copy of paper entitled "Decreasing Effectiveness of Disturbances rel to Desired Manifestation of Energy thru limiting their Amplitudes", by M. H. Merriott To R.H. Marriott via Cdt ~~Puget~~ Sd-will upon recpt of special type tube having limited emission try out this schem, and reqst continue investigations addtl characteristics of circut for limiting device for radio communication 4/6 Pug. Sd.- Fwds data on statis. 11/2 W	W

INTERFERENCE:

Number.	Date.	From or To—	Subject.	
441147	8;19 8;21	5th Dist Com	Sub report of army radio activities near Cape Henry and position deteriorating same may have on compass station. W To Commun 9/18	
441149	10;1	Com	Fwds correspondence, report and prints pertaining to re location.	
441313	8/13	Communications CANCELLED.	Subm report of interference by Phila. with S.O.S. signals. W.	
443286	8-6 8-28	Pearl Harbor Supervising	Calls attention to interference from arc transmitters. To Pearl Harbor-Advises pending receipt of acceptance test at Porto Rico Sta making temporary installn at Annapolis for rep of Bu and Fed Co to conduct exprmts cc to MI 9/5	W
444531	9-4	Puget Sound	Fwds tentative scheme for working through static by varying transmitting power.	W
448557	9;30	Com	Fwds copy of despatch for Georgetown in con with station being unable to receive calls from Key West. W To Commun 10/3	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
449050	10;2	J Firth Co	Reqst long range wave receiver be loaned to Dr McCoa for experimental purposes, eliminator of interference preventor. Cross to 896 Jno. Firth 11/13 Jno. Firth 11/13	
452434	10/17	Bar Harbor Copy	Request authority to make observations from Marion. & report results. W.	
452682	10/16	Anacostia	Fwds sketch of interference preventing circuit with comments on W	875
418236	FROM CARD 19		John Hays Hammond 10/15.	
457285	11/11	Communications	Subm report of interference to Radio Communications, Pacific Coast Balina High Power Sta.	W

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[OVER.]

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INTERFERENCE:

Number.	Date.	From or To—	Subject.	
426302	6;17	Com	Recs performance exp at Boston, N Y, Cape May and other distant cont station to eliminate interference.	
TO CARD 22	for instaln Cape May 7/14 fwd Secty 8/12 RB 8:21 Com-Reqst appropriation for $175. Cape Henlopen Compass Station. 8:8 Cross to 919-1 To CG- allot of 175.00 8/20 To NY-Auth exp of $200, 8:23 To DNC instaln authorized 8/30 Boston- 8:26-Recs N.Y.-Fwds reports on experimental work with Loop antenna 12/20		To IM Comdts Yds- reqst comments and recs be made concerning unsatis conditions at Boston NY and Cape May 7/1 cc to Commun To Commun acknow letr 6/17 is of opinion Material off will be respon for inspec begin 7/1 cc to NY Phila Bos 7/1 Phila 7;10 Com-Recs 7;28	
430125	6;24	MI	To Phila- auth draw from material stock one rec Fwds descrip of audion tel circuits in con with reduction of interference.	W
431855	7;7 8;10	1st Dist Com	Boston radio station, dif in com, fwds correspondence in con with.	W
431793	7;9	Bu Stand	Local interference, fwds sketch with comments on.	W
432687	7;7 7;15	Naval Academy Naval Intel VOID	Fwds reqst of Hollend to publish text for use of Midshipmen in con with operation of radio compass.	

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[OVER.]

INTERFERENCE:

Number.	Date.	From or To—	Subject.	
432985	6-24	Mare Isl	Interference on short waves due to high power arcs at Wahiaiwa- Report covg.	W
433422	7;11	MI	Reqst assign medium wave rec sys listed to East San Pablo in con with conference.	W
298505	FROM CARDS 13-16-17		To A. H. Taylor- Amendment to patent- 7/22 To A H Taylor- calls attention to enclosures fwd 9/6 To AHT- req fwd info in re to statement fwd 10/17 To Lt Comdr A.H.Tyalor- reqst return of encl with comments 11/22 Anacostia- Fwds photostat of R.A.Wagant patents application, with detailed comments on. W. 11/28 To Secty via So/ 12/11 To Attorney Gen. reqst take over prosecution of case 12/11	

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INTERFERENCE:

Number.	Date.	From or To—	Subject.	
403418	3;19	New Orleans Tel	Old Number.	
403992	3;11	J C Cooper Jr.	Sub infor radio app left in this country by Lt Taternot.	W
410023	4/8	8th Dist	Submits report covering results of additional experiment conducted in view of eliminating interference from "NAT" Arc transmitter.	875
411643	4;11	Pg Sd	Special report of invention of interference from atmospheric and other disturbances.	W
412368	4;15	Pg Sd	Prevention of interference from atmospheric and other disturbances. fwds prints. To Puget Sound- reqst duplicat copy be fwd 5-6 Pg Sd-Fwds report. 5;13	W
413921	4;13 4;21	Naval Attache Rio de Jenerio Naval Intel F.D.	Req descrip of weagent apparatus. To Naval Intel-Fwd 4;29	W
401291	3/10	O Eddleman	Sub report cov invention of stary which can be used with present equip on ships req appr be brot to Wash when ready for demonstartion	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
413982	4;29	TO S&A	Reqst ship from Hampton Roads to Norf. of antenna wire.	W
415199	4;17	W N Fanning (Cordova) 908	Circuit disclosed in Weagant's Static as published and tel age used at Laf Station since July 1918, are awaiting report to instal at Cordova.	W
417268	5;8	Destroyer Force #2	New Bu design rejector, fwds report on alteration, made, method of use and results, obtained. fwd as hn 5-22 RB 5;29	W
418236	5-14	To Hammond Res Lab advises commun with Boson 7/3	Arranging for necessary personnel and facilities for test of sets. W To Boston- rel to above 5-14 To Boston reqst info progress 6/26	
SEE CARD 21		GE Co-No objection to loaning tubes 7;9 Boston-states no report on test short wave rapid transit has been made W 7/11 West Elec Co 8;6 Boston-8;11- Asks what test desired on set.	Hammond Radio Res Lab-Bg fwd West Elec tubes. 6;29 Boston- Hammond transm set has not yet been tested. W 7/2. To Western Elec and GE Co asks if any objections loan of tubes 7/3 To Boston- re test of trans 7/3 To Hammond Re Co	
422303	5-28	Amer. R & R Corp	Device to diminish interference and the effects of static on ordinary type antenna- Rqst oppor to present matter to Bureau - W	
		further material until yard Bós sub report on just what tests consist in 6/27	Am. R & R Corp; request loan of a receiver #1420 & that Bu authorize loan of certain appliance by Boston Yard: 6-20. W To American R & R Corpn- does not desire loan	
421471	5;21 5;15	Key West Com	Fwds letter from City of Miami complaining of interference from radio station in using tel lines.	W
		American DD Co-List measures which will take care of tel interf. 7;1 To KW fwds copy of letter from Wes Elec Co 7/15 To KW fwd letr from American R T Co 7/28	To Western Elec Co- asks suggestions re above 6-5 To American T & T Co- quotes from letter to Dept by South Atlantic T 7 T West Elec Co 6;7 Co May 2nd re aobvee 6-5 To KW matter taken up with 6-5cross to firms	

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INTERFERENCE:

Number.	Date.	From or To—	Subject.	
562827	10;23 10;26	3rd Dist Com	Submits report of classification of static. W Fwd Nav Comm 1-14	
361516	10/21	Boston	Method of avoiding interference when tuning spark transmitters. W.	898
364423	10;15	CO Caeser	Submits report of rails. W 5th Dist-Asks if shall hold further experiments, sub report. W 1;3 Bu Standard-Asks if bureau desires further test.	
365041	10;31	CO Caeser	Sub report of test of gunner I M Beckford of radio reception through strays. W	
366819	10;25	Balboa	Fwds report of test of gunner I M Beckford's method. W To—— RE results of above 11-20	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
381237	12/14	Pearl Harbor	Req d atiled info regarding rec circuit to elimnate interference W	815
389030	1-28	To Inter Radio Tel Co-	RE former discussion with F.H. Kroger re question of eliminating static	W
396177	2;18	Com	Recs transm on all parts of tuned for only commercial waves be tuned for transm 1756 and 952 meters. To Communications- fwds letter for info 2-28 To Commun- reqst infor re 3-11 Com-Gives wave length recs. W 3;20 fwded Commun 5-14	
383748	2/26	To John Firth	Asks have Doctor McCae supervise test of in interference preventer and reqst into re date	893
397953	2-28 Great Lakes 3-20 Ports - 3;28 New York 4;2 Pg Sd 4;9	To Mgrs , Comdts	Asks re action taken re tuning all transm as vessels become available to all wave lengths included in their range particularly 952 and 756 meters- RB 5;12 To- supplementing parg 2 "all transmitters" ref to shall be interpreted as applying to transmitters on vessels operating as troop transports 3-5 New Orleans. 3;8 Pensc 3;10	
399484	3-5	To Supt via NO Comdt	Asks info re stray season, Naval Sta NO re data months during which atmospheric disturbances become detrimental to good radio communications- RB 3;18	

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[OVER.]

INTERFERENCE.

Number.	Date.	From or To—	Subject.
329548	7;23	Dr L W Austin	Sub preliminary report on distant radio tel and sig. W
331392	6;19	Cavite	Stray elimination by audion frequency compensation, fwds report gunner W T Vickford and W T Little. Fwd. Wash. 8/5 received back 9;14 To---Re stray elimination by auio frequency compensation 9/19
331652	7;27	Belmar	Experiment 2-C special circuits for strays, fwds report. W
331654	7;27	Belmar	Experiment 2 C fwds prints of special circuits.
339072	7/15	Cavite	Fwds sketch with report of gunners I M Bickford and W T Little in connection with elimination of strays --- W Fwd. BU of Stand. 8/23 To--- Quotes statement of Dr.Austin. 9/10 5th Dist - 11;20

To 5th Dist, has no objection to your applying for patent on stray eliminating device, 11-29

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INTERFERENCE:

Number.	Date.	From or To—	Subject.
342841	8;25	Belmar	Comparison of radio using balance circuit with and without condenser.
347998	9;11	Wireless Spec Co C S Davis-Tel, req early decision. 9;24 Fwd. 1st Dist. 10/8	Static elimination invention of Pickard, req authority to reopen radio station on at their Boston yard. Cross to 793-5 To Com. Believes Mr.Pickard should be rendered the privilege reqtd. 9/25 Received back 10;5
349659	9/19	To TB Lambert work be addressed to Mr Lambert and not to Western Elec Co 12-31 To Western Elec Co- Asks that record pertaining to secret radio phone devices in transmitting for Mr Lambert beclosed 12-31	Returning original schematic sketch. W To Western Elec.Co. Asks if Mr.Lambert could be invited to a conference. 9/19 Weston Elec Co - 10;1 Western Elec Co-Asks if shall investigate further. 12;26 To Aircft Radio Lab Bu Standards-Fwds let sent Western Elec Co-future info in this exp
352210	9;24	John Firth	Req circuit diagram of of standard type tube, sample of which was rec from West Elec Co for test. John Firth-Req bureau expert visit lab. 10;31 To J Firth, comments on above 11-14 John Firth 11;22
298505 SEE 20		See CARD 13 and 16 fwd Sol 4-12 To AH Taylor-reqst original coy of amendment be executed and returned 4-12 To A H Taylor fwds copy of prelim statement 7/15	To Secnav. Recom. that Sec. accept invention. 9/25 To Lt Cdr A. H. Taylor Hamp Rds- Fwds certified receipt for assignment fee for Patent Application 10-17 To Lt Comdt A H Taylor- fwds assign form 3-27
362898	10-24	NY	Proposed arrangements for receiver wiring-Fwds prints W

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[OVER.]

INTERFERENCE:

Number.	Date.	From or To—	Subject.
318420	6;17	Belmar	2-C Special circuits for reduction of stray, fwds switch with report on. W
319539	6;20	F K Vreeland	Reqts list of radio stations in connection with, his devices. W To F.K.Vreeland. Cannot send list of radio stations with their calls, wave lengths, & sending schedules. 6/24
320126	6;22	Belmar	Exp. 2 - C Special circuits for reduction of strays, gives status of. W
~~319030~~	~~6-29~~	~~To Best~~ VOID	Radio Tel -7-#18-silicon bronze antenna wire on contract 36977 with Standard Underground Cable Co- In re to deliveries and shipments- West Coast stations-
298505 SEE 20	7/3	CARD 13 To Ord- Fwdg Amendment to Patent application for system of recvg radio signals- 2/15 LT CO TAYLOR- Fwd 3;27 RB 3;29 Cross to 896. To Secty via Solic- fwds papers re patent appl A H Taylor 4-2 Received back from Lt Taylor 4;15 To A H Taylor- fwds blank	To Belmar, Reqts. sketch showing the sec. rec. circuit. 7/8 Belmar - Fwds sketch showing type of balance circuits in use, list specification each should cover. To A Hoty Taylor- fwds entire title Belmar -, 7;24 In pappl necessary place instrum To H. Rds. Fwds. papers for execution. 9/6 on reg 8/16 Hampton Roads-Returns unexecuted receipt. 10;23 To Bu of NAV. Recom. notation on record re patent rights 12/4 To Lt.Com Taylor. Re assignment of Patent for Stray Elim.Circuit to DSNavy 12/4 draft or prelim statement- req fwd dat a 6-21

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INTERFERENCE.

Number.	Date.	From or To—	Subject.
324515	7;6	Belmar	Experiment 2 C Special circuit for reduction of strays, fwds report. W
325722	5:25 7;10	Lt Sidney Atlantic Fleet	Describes their apparatus for creating and working their interference. W To Atl. Fleet. Comment on radio telegraph. 7/16 received back 8;28
325589	11;5;17	Communication	Interference by New Brunswick radio station, reports from listening in station City College N Y
326049	7;12	Naval Communication	Use of receiver in France to eliminate interference with Transatlantic radio signal, comments on. W
326698	7;13	Belmar	Experiment 2-C Special circuits for reduction submits report. W
326704	7;15	Washington	Static transmitter proposed by Hanson & Adams, submits report of test.
326048	7/16	Fwd. Nav.Com.	Use of uni-directional rec'r in France to eliminate German interference with reception of Amer. transatlantic radio signals. W

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INTERFERENCE: 1918

Number.	Date.	From or To—	Subject.	
308719	5-18	Belmar	Expt 2-C special circuits for the reduction of strays in radio telegraph - submits detailed report on. W	
311662	5/29	Naval Communication	Fwds two letters from Lt Wm Fanning in connection with improvements in radi signalling receiving frames and underground antenna - W	
311923	5-28	Belmar	Exp 2-C - Special circuits for reduction of strays - submits detailed report on. W	
312490	6-1	Nicola Tesla T	Static preventor being developed - request Bureau take necessary action to avert litigation proceedings in NY. W Nikola Tesle - T - Request reply to T June 1st. W 6-3 Nicola Tesla - Offers service in connection with development. W Nicola Tesla Co - Reqst action on letter 6;9 C 7;1 To—— Will reply to his let. of 6/9 as soon as possible. 7/19 Tesla Company 8;5	

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INTERFERENCE

Number.	Date.	From or To—	Subject.
313106	6/4	G. H. Clark	Report on preliminary experiments on methods for reducing Interference for quenched gap radio telegraph transmitters- W To Atlantic Fleet-in re above--6-4 Atlantic Fleet-recommendations 6/12
314792	6/7	Belmar	Experiment 2C-special circuits for reduction of starters in radio telegraph-calls attention to two newx circuits. W
315167	6/11	To Marconi	Encl. copy of report on Miami. W To Dir.Nav.Communications. Re receipt of transatlantic radio schedules by Belmar Sta. W22 6/11 Marconi Co - 6-13
315761	6/13	To C.in Chief,At.Fleet	Re radio telegraph & suggestion by radio officer,VERMONT. W 6
319298	6:13 6:21	Newport Radio Sta Ordnance	Sub. report of investigation in connection with discharge of electricity in vicinity of radio plant at torpedo station. W Fwd. B. of Ord. 7/1

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[OVER.]

INTERFERENCE.

Number.	Date.	From or To—	Subject.
298997	1/21	GE Co Fwd New Bruns- Via NY- 7-3	Interference rel to tests at Belmar-particular reference to radio barrage.W To GE Co--In re above--5-3 **To New Brunswick. Have author. Dr. Alexanderson to test out principle of radio barrage. 6/25** **To GE Co. Accepts above offer. 6/25**
300251	4-20	Belmar Sta	New Brunswick 6;28 Experiment 3D - routine observations on trans-Atlantic reception. Submits report.W
300250	4-20	Belmar	Experiment 2C - for reducing strays in radio telegraphy. W
300309	4-24	To Marconi Co	Accepts services of Mr Campbell and fwds full reports of Mr. Weagant with his device of eliminating static W Marconi Co - W 4-29
301430	4-22	Miami	Ask if cable loaned by Dr. Austin is to be retained at station or shipped to Tuckerton.W **To Miami- ship wire to Tuckerton--5-2** Miami - Asks disposition to make of cable. W 6;27 To Miami. Reqtd. that cable be retained at Miami. 7/17
302236	4-28	Belmar	Experiment 2 - C - Special circuits for reduction of strays. W

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908 - INTERFERENCE

Number.	Date.	From or To—	Subject.
302239	4-28	Belmar Exp 3-D	Routine observations on Trans-Atlantic radio reception. W
304513	5/6	Belmar	Submits report. W
306306	5;11	Belmar	Experiment to - C special circuit for reduction of stray for radio telegraphy. Storm rendered receiving impossible. Comments on remedy for W
306307	5;11	Belmar	Fwds Kerrs experiment 3 - D Observation on Trans-Atlantic radio re-suction W
307577	5-18	To Marconi Co	Fwds copy letter from American Tel Co- regarding static elimination--W+ To American Tel Co- 5-18

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INTERFERENCE.

Number.	Date.	From or To—	Subject.
288969	10-26	4th Naval District	Confidential listening in stations - gives list. W
291413	3-21	Belmar	Vreeland static eliminator - Vreeland incensed at refusal to allow his assistant, Mr. Kidde, to have admittance to the station - have persuaded him to continue test- result not promising. W To--(T)Will be allowed at station only when army and foreign officers are present.3/22
291744	3-22	Belmar T	Test of static eliminator completed - Vreeland left station, taking his device with him. W To--(T)Ask if test was satis.3/25 Belmar-have mailed report.today.3/25
292480	3/20	Vreeland Apparatus Co	Stray eliminator-request authority to erect antenna for making experiments.W To 3rd Dist--Rec auth for.3/27 To--3/27 Vreeland-~~req~~ ack permission with thanks.W
		NY ~~Xth~~ Dist Comm Supt-Copy of letter to Vreeland, giving terms on which he will be allowed to conduct experiments with static eliminator. 4-7	
292819	3-23	Belmar	Special circuits for reduction of strays- reports on test of. W
293216	3-28	P.E.Edelman T	Re overcoming atmospheric disturbances in wireless sending. W To--Will hold test at Bu Standards.4/1

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INTERFERENCE.

Number.	Date.	From or To—	Subject.	
293900	3-29	Western Elec Co	Forwards copy of letter sent Dr. Millikin, concerning status of Vreeland stray eliminator. W	
294721	4/1	Belmar	Experiment 2-C special circuits for reduction of stress in radio telegraphy.W	
295728	4-6	Belmar	Quotes unsigned cable reporting invention stray iliminating device	909
296322	4/9	L.W.Austin	Reports on test at Miami of weagents interference preventer.(static eliminator).W Fwd Belmar--4-23 RB 4-29	
296439	4/7	Belmar	Experiment 2-C specl circuits for reduction of stress in radio telegraphy.W	
~~297223~~				
297723	4/11	Belmar	Specl circuits for reducing static reports on.W	
7 298853	4-14	Belmar Radio Sta	Experiment 2-C - special circuits for reduction of spares - forwards report. W	
298505	4/15	Belmar	Request patent be taken out to cover eliminating device originated with A.White Taylor transatlantic communication officer. (Cross 896) See CARD 17	896

SEE 20

Fwd Solicitor-4-24

To Belmar-Rqsting schematic outline of receiving system to be fwded to signal Corps- 4-29

Belmar L 4-21 To solicitor. Asks what action taken of let, of 4/24. 7/5.

See CARD 16

[OVER.]

INTERFERENCE.

Number.	Date.	From or To—	Subject.	
281385	2-13	Miami T	Request Lyons send, in order to make test. W To Nav C om--Quotes above.2/16 R B 2/19 To G.H.Clark--(T)Not practicable change Lyons schedule. 2/20	
281290	2/13	Comm	Fwds copy of letter received from Marconi Co rel to test Miami.W	
281028	2/13	Ordnance	Request that radio expert aid Forbes be sent toNewport torpedo station.W To Bost--(T)Directs have Expert Radio Aid W. E. Chadbourne report to Inspr Ord at Newport Torp Station.2/13 To Ord--2/14	
282318	2/16	Austin T	Request audion batteries,bulbs,etc.	
281745	2/16	To G.H.Clark	Wash yard mailing galena crystals today. W To S&A--Reqt shipt of Galena Crystals from Wash to G.H.Clark.2/19 To Rad. Sta. Miami. Asks if rad. apparatus rec'd. 8/3	
282428	2-13	G. H. Clark	Submits report on progress of experiments with anti-static device. W	
282596	2/13	Marconi Co Personal	Quotes message from Mr. Weagant relative to test at Miami - W	

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INTERFERENCE. 908

Number.	Date.	From or To—	Subject.
279181	2/20	To Bar Harbor	Fwds report and blueprint of connections used at Belmar Receiving center. W
284192	2/19	G. H. Clark	Progress of experiments for eliminating static. W To Amer T&T C o—Fwds reports with comment.3/7
284871	2-25	Marconi Co	Relative to return of Mr Clark and Mr Weagant for test. W
286739	3-3	G.H.Clark	Requests instructions relative to leaving at Miami Station certain material used in recent experiments. W
287928	3/4	Belmar	Special circuits for reduction ??-submits report.W
287666	3/3	G.H.Clark	Experiments with anti static device-fwds weekly report on.W
288761	3/11	Belmar	Experiment 2-C--special circuits for reduction of stress in radio-fwds report.W

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[OVER.]

INTERFERENCE

Number.	Date.	From or To—	Subject.
273894	1/15	To NY T	Directs deliver to Bu representative insulated wire and cable for shipt as baggage to Miami. W NY (T) states Bu's representative unable to make arrangements to take wire as baggage 1-18
274591	1/15	Belmar	Request shipment of radio material to Miami for experimental purposes be traced.
275145	1-21	Clark T	Reports trenches not yet dug; doubtful if reception Wednesday; will advise ~~later~~ tomorrow.W
275782	1-22	Miami T	Request Western Elec Co ship by mail 10 J tubes. W
To	G.H.Clark--(T)1/23		To G.H.Clark--(T)~~Ten J tubes mailed by Western Elec today.~~ 1/23
275506	1/19	To Naval Com	Detailed comments on tests of two methods proposed by Army. W
275521	1-21	G H Clark T	Reports on status of Weagant test.W To--(T)~~Will express material.~~1/23 ~~To S&A--Reqt shipt of material from Wash to Miami.~~ 1/23
276350	1/25v	~~To Belmar~~ To Bu Standards	~~Description of method used in measuring strength of static. Reqts fwdd. W~~ Belmar 1-26
To	Geo A. Campbell--2/8		To G.H.C lark ~~and~~ Geo A. Campbell--Fwds corres reports, etc. 2/8
277221	1-22	Communications	Radio circuits used by Signal Corps in trans Atlantic experiments.W

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INTERFERENCE. 908.

Number.	Date.	From or To—	Subject.
278285	1/28	G. H. Clark	Fwds weekly report of progress on anti-static devices - W
279265	2-2	TransAtlantic Communication Officer To Chatham--Fwds print of balanced receiving set for reduction of interference, with comments.3/8	Experiment 2-C, special circuits for reduction of strays; submits weekly report on.W To--Reqt keep Bu advised of future results.2/15 Belmar--fwds photographs-2/8 Belmar---2/17 To Belmar--2/21 Belmar-experiment 2-c submits report.2/25
279067	2/5 To GE Co--4/6	To Wash	Differential wound telephone. Possibilities of use in connection with hydrophones for detection of submarines. Fwds report of Lt. Loftin. W R B 2/16 Wash Yd - 2/9 - W Fwd New L nd Base--2/20 RB 3-22
280697	2-6	GH Clark.	Weekly report on experiments. W.
280709	2/11	G. H. Clark T	Reports on test being held - W To--(T) Will wire instrns when to return to Wash later.2/12
280752	2/9	Marconi Co	Quotes letter from Mr. Weagant on status of test - W To--2/12
280716	2/12	To G.H. Clark T	Ask when desirable to have man from British Marconi Co examine experiments at Miami. W To Sidney S t.J.Steadman--Visit of men satis. Are arranging time for such visit.2/12 S. J. Steadman-4-22

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INTERFERENCE.

Number.	Date.	From or To—	Subject.
260945	11/15	To European Force 920	Report of test of static preventor at Belmar. Fwds. W
261605	11/5	R.A.Fessenden	Reports making improvements in interference preventers.W
262706	11/16	Naval Consulting Board	Fwds proposal of B.J.Fineberg for interrupting radio signals. To Capt S mith--Comments on.11/26
262961	11/22	Belmar Rafio Sta	Weagant system of interference prevention-fwds report on experimental work.W
266019	12-3	George H. Clark	Recommends continuation of experiments on Marconi static eliminator at some other station than Belmar; recommends Miami; also writes relative to the GE Co's amplifier.W
266424	12-11	Belmar Radio Station T	Marconi Co request surveying instruments be shipped to Miami, in connection with Weagant experiment.W
To NY--Directs correct inventories. 12/14			To--(T)Shipt order has been issued.12/12
Marconi Co 12-18			To Marconi Co--12/14
266728	12/10	Belmar	Fwds report on experimental work with the Marconi gonimoter.W
266559	12-10	Belmar Station	Request interference preventer for power house. W

920

N.S.E. Form 134.

INTERFERENCE. 908

Number.	Date.	From or To—	Subject.	
267502	12/17	To S&A	Reqt shipt of wave meters from Belmar to Marconi Co. W To S&A--Reqt shipt of apparatus from Belmar to Miami.12/17 To Belmar--Ask type and serial number of wave changer.12/22 Belmar 12-27	
268708	12/10 Fwd Dept--12/29	Marconi Co	Gives amount required for test of weagant device at Miami.W To--Appvs allott of $10,000. 1/4	
268820	12-15	Comm	States when broad casting on the spark on the 2400 meter messages can be heard on the arc listening in wave of 4000 meters does not interfere with reception of arc signals.	807
271205	1/4	To L.G.Villar	Radio secrecy system. Comments on, stating why not of value for military purposes. W	
271740	1/7	To Col. J.J.Carty	Acknowledges receipt of Photostat copies of papers re static and electro magnetic induction. W	
272258	1/9	To Sidney Steadman	Anti static antenna experiements at Miami. Ask if desire to witness. W Steadman 1-11	
273114	1/12	To Marconi Co	Reqt push experimental work at Miami, and complete same prior to March 1st. W Co 1-15	
273115	1/12	To Belmar	Development of receiving apparatus to eliminate static by Mr. G.A.Campbell. Directs make arrangements for quarters for. W	

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[OVER.]

INTEFERENCE.

Number.	Date.	From or To—	Subject.
245921	8/8	Dr Austin	The Hammond method of secret radio communication; submits report on, with diagrams covering.W
251935	9/29	To M.Is.	Special experimental Work. Operation of an arc transmitter with an iron core inductance in series with the antenna. Reqt bring comments to attention of Fed Co. W M Is--Further report on experiments.10/26.W
251938	9/29	To Capt Smith	Secret method of radio transmitting. Has been tried and found not practicable. Comments on.W
252337	10/1	To Col J.J.Carty	Fwds copy of plan of procedure for transatlantic communication. Directs consider confidential. W War Dept 10/2
252522	10/4	To W.F.Durand 898	System of secrecy sending, of R.H.Reynolds is not practicable. Too cumbersome. W
253061	10/4	To Marconi Co	Fwds extracts from reports regarding tests of anti-static receiving circuit at Belmar. Reqt keep confidential. W To--Fwds blueprints.10/9

N.S.E. Form 134.

INTERFERENCE. 908

Number.	Date.	From or To—	Subject.
253580	9/29	G. H. Clark	Method of eliminating atmospheric disturbances in radio telegraph receivers developed by Marconi Co, by using buried antenna loops, etc.W
256060	10/16	Pug Sd	N. Lang; apparatus for transmitting secretly by radio; submits special report on ,W To—Reqt infor re points listed.10/26 Pug Sd 11/4 Pg Sd 7;12
260611	11/14	To Nav Intell	Anti-static antenna, invention of R.A. Weagant. Might be of interest to Allies and reqts be brought to their attention.W
260677	11/14	To Marconi Co	Submits arrangements made re Weagant patent. English Marconi Co will be cabled by Mr. Stedman to obtain necessary information from British Govt. W
261058	11/13	Atl Coast Com Service 910	Belmar radio; fwds detailed report of experimental work at Belmar Station on the Weagant frames used for elimination of interference.W
261078	11/15	G.H.Clark	Reports test of Marconi balanced engine system of static reducing at Belmar Radio Station.W G H Clark—Test of Marconi balancing gauge system of reducing at Belmar, submits report.10;25

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[OVER.]

INTERFERENCE

Number.	Date.	From or To—	Subject.
219770	3/26	To H.A.Clark, M.C.	Col. Cobham's device for interfering with radio signals. O.K. for short range. Doubtfull if applicable to allowance of armed ship. Will conduct experiments of, if desired.
	To Wash--6/27	H.P.Cobbans--Request return of corres.-4/20	? ? fwds report on Col Cobham's obliterator.W
			caTo Atl Flt--Reqt recommendations in connection with.6/9
			Atl Flt submits recommendations 6/11
219812	3/27	To Fred K. Vreeland	Reqt any information might have on eliminating static in connection with the reception of radio signals. W
	F.K.Vreeland-9/27.W To--No objection to selling static eliminator to one of allied Govts.10/2		Vreeland offers to discuss confident 3-30
			To--Bu representative will visit on next trip to NY. 4/4
			Vreeland agrees to meet either Dr Austin or Mr Clark 4/5
			To Dept--Reqt Dr. L.W. Austin be ordered to NY. 4/14
			To Dept--Ditto.4/16
			m Vreeland 7/18
			Vreeland reports results 9-13
			Vreeland 9/18
			To--9/21
222626	4/14	To Wireless Spec Ap Co	Re reducing troubles due to static.Reqt results of tests of apparatus which will provide artificial system. W
228907	5/15	Wash	Recommends discontinue manf of apparatus for experimental work during present emergency; specialinductances.W
			To--Auth discontinuance of further experiments 5/29
233048	4-25	Electrician Geo. N. Horne	Secretcy of communication by means of Duo-wave- telegraphy.W
	6-6	NEW ORLEANS, USS	To--Comments on.6/13
			NEW ORLEANS fwds further report 12-6
			To NEW ORLEANS--Comments on.12/27

N.S.E. Form 134.

INTERFERENCE. 908

Number.	Date.	From or To—	Subject.
233918	6/15	Nikola Tesla Co	Request further information in connection with experiments on his static preventer. W To--Gives infor reqted. 6/29 Co writes further and incloses some expressions of opinion on his inventions 7/13 To--7/31 Tesla 8/8
233880	6/15	To Col F.P. Cobham	Fwds corres which was left at Bu. W
163426		CARD 6	R.E.Dimick request status of test 6/15 To R.E.Dimick--Gives status. 6/21 To R E Dimick. There is at the present time no Naval radio apparatus available for the purpose which you desire. 2-10
24 0512	7/24	Dr. Austin	Method of reducing static disturbances in receiving proposed by S. K. Vreeland; recommends test be made before Sept. 15th. W
242403	8/6	James Ashbrook	Scheme for preventing interference. W To--Comments on. 8/10
243385	8/11	Communications	Request that John Hays Hammond, Jr be permitted to continue test of secrecy, non inteference, etc, devices, at radio laboratory, Bureau Standards. W To Capt Todd--Have received permission from Mr. Hammond to conduct experiments. 8/14 To Bu Standards--Experiments auth. 8/14

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[OVER.]

INTERFERENCE:

1916

Number.	Date.	From or To—	Subject.
187912	5-1 5-5	NY Supt Radio	Submits report on interference during month February; fwds letters from Dept Commerce Inspectors. W Fwd NY-- 5/25 RB 6/19 Fwd Rad Ser--6/20 To S&A--Reqt shipment rec set from Wash to NY. 6/20
194248	7/19 7/21	Marconi Co Supt	Cape May and Savannah stations; will discontinue sending press and prevent interference.W Fwd Rad Ser-- Noted. 7/25
200511	9-7 9-26	Dept Commerce Director	Commercial companies New Orleans district complain interference New Orleans station.
200440	9-27 Bd submits report and recommendations 10/19 Fwd Radio, Va--10/24 To NY--Reqt est for small antenna for NY Sta. 10/25	To Dept.	Recommend Board be appointed to investigate interference between Phila radio station and Marconi station on Wanamaker Building. W Navgn copy of orders to LeClair relative to interference 10/13
200511	9/7	Dept Commerce	Commercial companies New Orleans District complain interference New Orleans Station 821
201344	10-6	Dept Commerce Supt	Reports interference by Chelsea station with Marconi at Boston. Fwd Dis.Com.Supt. Bost via Bost--10/14
202270	? To CAESAR--Comments on.8/14	I. N. Bickford, Radio Elecn, CEASAR	Fwds data on his patent static and interference preventer.W Fwd Chasn--With instructions. 10/24 To CAESAR--Comments. 10/24 Bickford--further 11/24 To CAESAR--Comments on. 1/5 Bickford further data 3/7 To Wash--Fwds all corres.3/13 RB 8/10

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INTERFERENCE. 908

Number.	Date.	From or To—	Subject.	
202972	9/14 9/35	CO Flt	Alterations; engine room ventilator, piping, fit additional motor generator for call bell circuit.N VOID	
202968	10/17	Radio Elecn R.N.B ickford	Submits suggestions in connection with means of static ~~inteferen~~ prevention and interference.W	
203202	10/19	I. N. Bickford	Means of preventing interference and static.W	
204943	11/1	Pensacola	Reports hearing New Orleans arc signals on local telephone line; opens up question of secrecy of arc signals	876
206397	11-20	Mortenson, C	Invention for elimination of static and interference.W To--Comments on. 1/5	
209154	12-18	Austin, Dr	Quotes experiments conducted by Dr. CJ DeGrot on nature and elimination of in erferences; and recommends experiments be repeated by Bureau.W	
212034	1-11	GE Co	Suggests Navy exp rts give special attention; extends invitation radio aides to investigate work being done GE Co, laboratories. W Fwd Dept--2/20RB 8-2 Dept copy of letter to Dr. Whitney, acknowledging 2/20 Fwd Dept--4/7	

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[OVER.]

INTERFERENCE: 1910

Number.	Date.	From or To—	Subject.	
150651	3-19	Clark, G.H.	By South City station with Arlington, San Diego signals; states change on 100 meters by either station will remedy. W	
150773	3-9 3-19	Tuckerton Arlington	Reports interference by Arlington with Eilvese signals; Arlington states 444 meters difference in wave lengths should not interfere; recommends testto determine cause. W	
156593	6-3	To Supt Radio Service.	Report on general radio interference M.Is; fwds copy of M.Is print on. W To M.Is-- Reqt add copy of print. 6/3 M.Is fwds copy of report 6-10	
157288	6-9	Pug.Sd T	Rect SOUTH DAKOTA investigate radio interference westward of Olympic mountains. W	
161101	7-16	At Flt	"Three Alatlantic" reduces interference; reommends be enforced 20 miles off shore	914
161170	7-16 To Wash--Reqt reply letter 12/21 To--Will hold prelim test in a month. 12/21 To Wash--Grants auth to manuf certain material in conn withexperiment of. 12/21	Pug.Sd 3/16	Report on test to discover interference caused by Olympic mountains	833
163426	8-10 8-13 Demick 5-10 To--Reqt further information.5/26 Dimmick 5-31	Demich, R.E. Dept To--6/12	Dimisk no facilities 6-21 Has apparatus for interference if sending telephon messages. W Dimick asks if tried 12/13 To 8-17 - Ref. Supt. Radio 8-17 RB 8/23 Dimick further 9-27 To--Comments on. 11/3 Fwd Rad Ser--11/3	BELOW
163928	8/4	San Diego	Report on interference of Japanese Fleet; recommends present 5 kw transmitters be replaced with a 25 ks; disappd	830
163426		ABOVE R E Dimick-Asks if bureau will furnish material for exp. 12/8	Wash plans for manufacture of experimental apparatus have not yet been commenced on account of small force; will not be able to undertake until April 25th 3/28	CARD 8

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N.S.E. Form 134.

INTERFERENCE: 908

Number.	Date.	From or To—	Subject.	
168628	10-14 10-18	Dept Commerce NY	Transmits zone plan for prevention on Pacific Coast stations.W To NY--fwd Supt Radio 10/21	
169476	10/23	Supt Radio Bost	Annual tests; reports interference with business	903
169816	10/29	Supt Radio	Marconi Co willing to adjust apparatus at Wanamakers Station, Philadelphia, in order to reduce interference.W Fwd Phila--11/1 RB 11/10 Fwd Rad Ser-- 11/11	
169887	10-29	NY	Reports of Lt.A.Norris on meeting of Govt and commercial representatives to discuss interference.W	
176354	1-15	NY 1916	New York, Phila, and Arlington communication; relative to interference with Wannamakers plants Phila and NY W Fwd Rad Ser-- 1/18	
179753	2/14	Arlington	Reports interference Communication Office by Arlington calling wave	841
181656	3/4	San Juan	Reports intercepted message, Nauen, Germany, to Sayville by use of inductance coil made by station force	835
186357	4-28	Clark, GH	Method of eliminating static disturbances in arc and spark receiving, and preventint interference when sending with spark sets.W	
185801	4/19	CHESTER	Fwds copies of intercepted messages from US stations while on duty West Coast of Africa	156-6

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[OVER.]

INTERFERENCE: RADIO. 1914

Number.	Date.	From or To—	Subject.	
124912	5/14	Dept Commerce	Interference on the West coast· Fwds report by Radio Inspr Ellery W.Stone.W	
126023	5/14 5/28	Dept of Commerce Supt.of Radio.	Interference on account of harmonics; report of investigation radio inspector San Francisco of complaints of interference by the Federal Tel.Co. apparatus sending out harmonic notes at lower wave length than station is operating at. Investigation shows the harmonics are generated and are the fault of receiving, and not sending, apparatus.W Ret---8/3	
128165	6/20 6/23	A.R.Coleman Dept.	Device for preventing interference from static,etc.W To Mr.Coleman·comment.6/27. Coleman; gives suggestions 6-30 To Mr.Coleman:Ack. Comments.7/14. Coleman expect recompense if patant used 7-20	
130924	6/30	Tutuila	Reports intercepting messages from North Head and Unalga	846
131353	7-20 7-27 7-31	Cobham, Col. F.B. Dept Ord	Relative to his intention for radio and firing explosives by "F" ray; Ord recommends against conducting any tests; plainly a fraud. W Ret Dept. comment.8/4	
136496	10-3	Reese, M.M.	& secret communication,etc; asks Govn requirements; has patanted new system.W To--Pleased to consider any description and drawings. 10/17 Reese test delayed on a/c war 10-31	

N.S.E. Form 134.

INTERFERENCE: RADIO 908

1914

Number.	Date.	From or To—	Subject.	
139847	11-17	Dept Commerce	Fwds report from F.A. Colster on interference caused by arc radio transmitters of Fed Tel Co. on West coast. W. To--11/20 To Radio Ser-- Fwds copy report. 2/2	
139850	11-17	Dept Commerce	Fwds complains from Marconi Co. relative to interference by Tuckerton Station sending out continuous Poulsen waves.W. To 11/20	
140555	11/27	To Hawaii Cavite	Reqt report on reception of signals from San Francisco and interference from Marconi station on Oahu	903
			1915	
144089	1-9	To Board on Organization of Radio Service.	Radio experiments; gives data on interference between Arlington and Navy Dept't.W	
144167	1/8	Tuckerton	States Federal San Francisco signals are so strong as to interfere with Eilvese test	891
146335	12-11 1-21	Cramps At Flt	U.S.S.NEW YORK; complains of interference. W Fwd Rad Ser-- 2/6	
147778	2/11	San Juan	Reports intercepting message from San Diego to Arlington	892
150476	5/15	Bousen, Ensign, H. H.	Fwds print of a new radio rig for receiving and for cutting out interference	898

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[OVER.]

INTERFERENCE: RADIO 1913

Number.	Date.	From or To—	Subject.	
86366	12-30	Cohen, L.	Invites attention to his static preventer. W. To---Requests patent application.1/4.	
86776	1-6	Coehn, L.	ditto.	
86970	1/2	Phila	CAPE HENLOPEN: fwds sketches showing method taken to eliminate interference. States without this device would have been unable to catch SOS call of SS Marion on Christmas eve.	804
88296	1/22	NYS	OKLAHOMA, shunts in rigging to prevent interference in radio.	522--6
89083	1/21	WYOMING	Fwds information covering radio interference, distance tests, etc, desired by Naval War College.W Fwd Dept.2/1.	
89645	2/5	Newport Tor. Sta	Recommends installation of 2-arm semaphore for use in signalling messages to AT. Fleet, in order to prevent interference resulting with use of radio.	493
92584	3-10	At.Flt	Plans for avoiding. W	
102174	7-23	Supt Radio	Interference by amateurs; all cases to be reported to local inspector of Dept. commerce.W	
107928	10-15	To N.Y.	Austin's interference preventer - fwds description and directs submit estimates W	

N.S.E. Form 134.

INTERFERENCE:RADIO 908

Number.	Date.	From or To—	Subject.	
109533	11-3	NY 855-56	Austin interference preventer; estimate for manufacturing.W TO 12/8 auth 11-6 RB 12 8 Fwd S&A.rec appr.	
110315	9/26	Supt.Radio	SAN DIEGO: investigation of complaint of interference.of operators of MARYLAND.	830
		1914		
115300	1/14	Chas	JUPITER: fwds description of with additional information fr om Elecn in Charge with particular attention to interference from MORRO CASTLE.	816
121255	3/29	At Flt	Tune shifters; reports excellent results obtained through use of cutting down interference, recommends shifters be retuned at Yard and reduce breadth of, also supply more efficient spark gaps	905
122081	4/9	Dept.Commerce,Navgn.	POINT ARGUELLO: Marconi Co. station at San Luis Obisco claims interference; not properly adjusted	829
124089	3-12 4-20	Keep, Ensign H.S. At Flt	Method of avoiding: recommends TBDS be supplied with sets having different spark tones.W Fwd Dept via Supt.Radio.5/7 rb 7 8 Fwd Dept.7/20	
124111	4-23	Cobham, Col. F.P.	Offers use of his "Obliterator" to Navy free during Mexican trouble; is used to prevent receiving and sending messages.W Fwd Dept.request details be supplied.5/6 rb 5 20 To---reqst descriptive details of.5/12	

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[OVER.]

INTERFERENCE: WIRELESS: 1912

Number.	Date.	From or To—	Subject.	
61714	2-10	War Dept , Chief Signal Officer, Philippines	Complains of, static on Pacific, believes this is influenced by depth of water. W Fwd Dept.2/26.	
65141	3-30	United Freuit Co	Complains interference Key West due to using broad wave length. W Fwd Key West for comment.4/4. RB 4-18 To Key West. Instrns what TUNE to use.4/17. To---Advising of instrns.4/17.	
66069	4-6	Schuyler, Lt.G.L. (GEORGIA-	Re commends wirelesss set be designed for interfering with enemy's communication; points out defects of present method of. W To C.O.GEORGIA, Favorable comment 4/23	
66525	4-17	Marconi Co	Recommends all Govn Stations north of Norf stop sending and allow Marconi stations handle all communications with Carpathia on account of interference of amateurs and small powered stations; in connection with messages with survivors of TITANIC. W Fwd Dept.4/17.	
66991	4-19 4-20	Boston W.T. Sta Bost	Complain interference by Marconi Station at Wellfleet; particularly in regard to trying to get message to CHESTER; also fwds report from Revenue Cutter Service. W	
67007	4-17	M.Is	Quotes report from Pich.Bay on interference with wireless signals by change in temperature.W	
66774	4/20	To Salem & Chester	Radio communication between them and S.S." Carpathia. Reqt information as to difficulty experienced, etc.	892

N.S.E. Form 134.

INTERFERENCE 908

Number.	Date.	From or To—	Subject.	
66956	4/22	Chester	Reports on difficulty in getting into communication with CARPATHA.	892
67706	5-1	Marconi Co	Fwds report from amateur operator at New Haven showing navy vessels and stations interferred with Caparthia messages despite Navy order.W To---Ack.5/4.	
70251	4-19	Pug.Sd 287	Reports interference with Alaskan station by Canadian Stations.W	
75518	8/7	Fire Island	Reports interference by telephone station at SAYVILLE.	812
78083	8-24 9-4	San Diego R.Sta M.Is	Reports serious interference with Govn Business by amateur stations and Federal Telegraph Co. W	
80003	10-24	Atlantic Flt 1984	Copy of order to avoid while signalling.W	
81902	11-4	Marconi W.T.Co	Complains interfer nce by Chasn. W. To---Bu will take steps to remedy.-- To Chas.directs investigate and report. 11/8. Chasn replies to complaint.11-12	
83994	11/26	At. Flt.	Reports on radio signalling during division target practice, and reports on interference.	493

1913

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[OVER.]

INTERFERENCE: WIRELESS:

Number.	Date.	From or To—	Subject.	
46870	8/21	Marconi W.T.Co	Complains of indescriminate tests of quenched spark gaps at NY Yd.W To---Will take steps to reduce interference .8/25. Fwd NY. for comment.8/25. RB 9-7 TO -- isolated cases.9/14	
48337	9/5	IRIS	Complains of interferenceby Grant Hotel San Diego. W Fwd M.Is for further information.9/13 Could come to no agreement with Federal Telegraph Co.	RB 10/21
50246	9/29	Bost 568-4	Complains of interference from steamer CYMRIC. W To Marconi W.T.Co.Reports interference.10/6.	
52265	10/23	M.Is	Reports unusual interference of static since appearance of comet. W To---Acknowledgment.11/17.	
52467	11/1	Marconi Co	Re, by operator of Cymric. W Fwd Bost. for comment.11/2. RB 11-16	
52566	10/24	Beaufort	Complains of by United W.T. Sta. at Cape Hatteras and commercial vessels. W Fwd Dept.11/4.	
57091	12/28	Pug.Sd	Device invented by A.H.Cox to prevent; reports on test; not satisfactory. W To Seattle Gas Eng.Co. Advises of poor efficiency.1/13. 1912	
57202	12/27	NY	MERCHANT STATIONS: reports on working of MARCONI apparatus in stores of WANNAMAKER at NY & Phila work almost continuously from 3 to 6 pm practically cutting out NY Sta	880

N.S.E. Form 134.

INTERFERENCE, 908

Number.	Date.	From or To—	Subject.	
57891	1/4	Phila	MERCHANT STA: Marconi apparatus on stores of John Wannamaker, reports operations gives considerable interference	891
58729	1/16	To Washn.	Bureau informed distress calls sent out by TERRY or other destroyer during storm were received at yard but position of ship could not be read account of interference; request report.W	
59072	1/18	Washn	Reports on interference with distress signals from TERRY by amateurs; were requested to keep out but refused to do so. W	
59474	1/19	Seattle Ga Engine Co (A.H.Cox)	Urges further test of their preventer. W To---If desire test, directs communicate with Pug.Sd.--Fwd Pug.Sd.1/27. RB 2-10	
60046	1/31	Colon	COLON: believes Panama country and Freuit Co going to erect 2 stations, will interfere with proposed station.reqt decision	808
61522	2-11	Yerba Buena	Complains of malicious and intentional interference of amateurs in vicinity; will never allow official business to go thru without amusing themselves by delaying or breaking up messages. W To---Fwds copy of Senate Bill #5334.2/20.	
61709	2-20 VOID	Uehling Instrument Co VOID	Gives description and quotes price on differential pressure regulator for testing static velocity heads of air spaces.	VOID

NB—0120

[OVER.]

INTERFERENCE: WIRELESS:

FILE No.		From or To— (Dated)	Subject.	
29494	1/15	BAILEY:	Reports interference, probably by merchant steamer, while attempting to carry out tests.	
29469	12/19	GUANT.	W.T. stations reports -- time signals	814
34090	3/15	Key West	Invites attention to flagrant example by SS Alamo. W. Fwd Dept. 3/22.	
35794	4/3	Key West	Reports obscene interference from commercial operator at Havanna. W To United W.T.Co.Fwds extracts from report. 4/21.	
36192	4/14	United W.T.Co	States wave length at NY Sta. interferes with their coast stations and reqt. same be changed.W Fwd NY for comment and rec.4/20. R.B.Sees no reason why change to 1000 meters cannot be made.5/2. To -- Fwd NY Directs increase in wave length to 1000 meters.5/4. RB 5-11	
37070	4/25	United W.T.Co	Complains of interference by Naval stations, New York, Phila. Annapolis, and Washn. W Fwd NY for comment.5/3. RB 5-16 Fwd Dept. 5/17.	
39185	5/18	United Wireless Co	Complains of interference by Norf. & IOWA with commercial messages.W. Fwd Norf. Report required.5/23. RB 6-29 To -- Furnished statement.7/12.	
45217	7/18	Seattle Gas Engine Machy Co.	Invites attention to system for eliminating. W To---Puget Sd will designate representative to examine.- Fwd Puget.Directs investigation and report with recommendation.8/9/ RB 1-2	
46391	8/10	Beaufort W.T.Sta	Reports caused be operators of merchant vessels who refuse to allow official business to proceed.W Fwd Dept. 8/22	

RADIO

KENOTRONE TUBES 1919 1.

Number.	Date.	From or To—	Subject.	
452821	10/13	Mare Island	Reqst fwd test curve for Kenotrone tubes	W 893

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

—3381

[OVER.]

LABORATORY: ANACOSTIA

(SEE LABORATORY: BUREAU OF STANDARDS) 916 (File under Lab. Radio)

Number.	Date.	From or To—	Subject.	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

MASTS & TOWERS

Number.	Date.	From or To—	Subject.
502286	6/29	War Dept	Fwds letter from Fort San Houston in conn with radio masts installed at Brownsville; ask if Navy wishes to secure possession of. W
	War Dept 9/25	W.	To War Dept. will advise later if can use mast 7/6
	War Dept- Request instrns. 10/21 W		fwd Pt Isable via N.Orlns- 7/6 RB-from N Orl-7:28
	To War Dept Gves detld inform re shipmt 10-29		To War Dept. reqst return of mast for shipt to Guantanamo. 8/9 copy NY Y&D Guantnaamo
			To War Dept. ,9/23
507886	3:30	Y&D	Fwds prints of curves showing cost of land area required in connection with guide mast and self supporting towers.W
			Y&D-estimate covering guide mast-3:14-W
518400	9/17	B. F. Vreeland	Ask if in market for cross arms for radio masts. W.
518223	9/23	To Y&D	Disposition to be made of 80' mast Anacostia Airc Laboratory. 906
320			
531390	11/21	L. C. Moore & Co.	Are in position to manufacture all kinds of towers- fwds bulletins with photos. W.
			fwd Y&D 12/4
563266	5-12/21	To Y&D	Reqst comments rel guyed mast being erected at Palo Alto station by Fed Co- Gives description of W
			Y&D- Recommends retain self supporting type of tower. 5/24 W.

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N.S.E. Form 134.

MASTS TOWERS

1922

Number.	Date.	From or To—	Subject.	
640976	9/5 9/5	Y&D Nav. Intelligence	Fwds prints showing stress and erection diagrams of 820' standard radio towers.	W.
645997	10/12 10/17	A. W. Hendry Y&D	Request list of all radio towers for use of J.P. Sullivan radio contractor. W. Fwds Yds & Docks 10/25	

Number.	Date.	From or To—	Subject.	
457754	11/13.	Inspr Brook.	If inspection of radio masts at Pole and Tube works necessary, request copies of order. W	
	fwd Inspr Brook 12/6 RB 12/10, To Y&D- advis status 4/14 RB 4/28		fwd Y&D 11/19 RB 12/3 S&A 11-22 Inspr Brook 12/1-Rqst action. Y&d-Copy of letter to Inspr Brook fwding copies of contract. 12/2 To Inspr South Brook 12/5 fwd Inspr Brook 12/6 copy Sec Asst PM Genl PO Dept Wash	
454911	FROM CARD 14		Norf 11-25.	
466160	12/9	Anacostia Radio 902. Test	Comparison of compound Heterodyne and acceptor rejector circuits- report cov.	W
472341	1/30	To Cdt G.L. via Nav	Suggested instructions rel radio school G.L. copy Communications. W Great Lakes - Copy of letter to Navigation.2/11	

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N.S.E. Form 134.

MASTS & TOWERS 1920

Number.	Date.	From or To—	Subject.	
474985	2/9	Bost T	Recommends immediate steps be taken to insure all main mast stays on new Destroyers.	Q-6
483301	3/23	Consulate General, Republic of Poland	Request names and addresses of firms building wireless towers.	W.
			Baldwin Locomotive Co.-Ask name of firms who manufacture radio towers. 3/24	W
			To Republic of Poland 3/27	
			To Baldwin Loco Wks 3/27	
489918	4/23	Radio Corpn of America-	Acknowledges receipt of letter in conn with merits of rivetted and bolted towers and adviseability of using galvanized instead of non galvanized members.	W.
491184	4/24 4/30	D.G. Hord Dept	Request information in regard to painting of radio towers in certain parts of country. W Fwd Y&D 5/5	
496316	6-2	To Internatl Radio Tel Co	Lists firms from which towers for radio stations have been obtained. W Internatl R/T/Co. 6/5 W.	

[OVER.]

Number.	Date.	From or To—	Subject.	
414948	4/30	Mare Island	Tel: requ prints of and erecting instructions covering 200' tubular masts W.	761
421566	5/29	C&R	Recommends C&R issue instruons that all masts or yard arm and fittings to which antenna or safety links are secured, be carefully secured grounded, due to info recd that damage due to charring of wood etc. W.	875
423318	6/3	12th Dist	In con with condition of San Francisco radio masts, recs station be removed to MI, gives reasons why. W.	920-15
418814	6/7	To Secty Navy	Author reqstd to expend 85,000.00 to prosecute work on re-erection of towers and antenna system South San Francisco W	842
422109	6/20	To NO	Advises two steel tubular one hundred foot masts shipt NO from Chasn for installn Grand Is.	919
423507	6/10	To Y&D	Rel to erection of steel towers for naval radio station South San Francisco Cal. W.	813
			To Y&D- rel to increase of facilities at station is of Guam. 6/10.	813
429060	6/4 6/12	Planning Committee Dept	Report of station recs for improvement dept auth expenditure of $175,000 for purchase of duplicate 100 kw arc transm of 600 ft tower, etc. W.	813
			To Y&D- allots sum of $144,000.00 6/30/	erection

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N.S.E. Form 134.

MASTS AND TOWERS

Number.	Date.	From or To—	Subject.	
430150	7;1	John Simmons Co Tel	Protest against award to Western Iron Works of portable radio masts claimed to have invented same and presented patent to Gov. Fwd Sec 7/10 TO Y&D - 7;8	KW
449735	10;2 10;7	McClintic Co Y&D	Asks if any objection to constrc of 800 ft towers for Marconi Co similar to those recently built in France. A TO Y&D-In ref to drawings passing into the hands of outsiders when marked confidential. 10;13	
454336	10;24 10;27	C&R Y&D	Pneumatic tel masts, fwds prints showing details. Fwd Y&D, 11/1	W
454911	11/3 Great Lakes 11/8 Bost 11-14 Lists radio masts. Chasn- No masts in store. 11/12 Puget Sound - 11/10 Mare Island-No radio masts in store. 11/14	To IM Cdts	Radio masts in stock. Reqst advise number available for further assignment. W RB 11;7 Portsmouth-No radio masts on hand. W 11;5 New York 11/7 Fleet Sup Base 11/4 Key West 11/8 No radio masts in stock.	
TO CARD 15				
457177	11/12	To S&A RB 3/29 W	Reqst shipmt from Washington to MY 2 masts W Mare Is: 2-19; Fwd Y&D 2/27	

[OVER.]

MASTS AND TOWERS.

Number.	Date.	From or To—	Subject.	
367688	11;2	Mem for Mr Wygart	Req have two masts shipped to Annacostia.	
375387	12;5 of 5-7/19 to SE 5-19	Manchester Ship Canal Co	Asks if desires any further particulars in con with report of Manchester.	
	Dept 5;21	Glost r Armstrong Co-Asks if can furnish any information.		
	Manchester Ship Canal Co- 5/22	Manchester Ship Canal Co-Report of facilities. 5;7		
	Ship Brd-Copy of let to Manchester Ship Canal Co stat top mast cannot be lower 6;12	To Operations- fwds Manchester Co letter		
380032	12;23	Custodian Radio Tower Co	To Manchester Co- fwds to Operations 5-20 Submits report on adaptability of brick towers.	
372668	11/26	Manchester Ship Co.	Fwds pamphlet describ advantages of also report on radio masts at Manchester W	875
388875	1;25	Akron	Req infor in con with instruc of two 100 ft land station, radio towers. To—States that B. will not furnish towers st the present time. 2/20	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
392987	2/7	P C C S	Cpy #3 mast at Kahuku collapsed submits report covg W	793-5
395809	2/15		Completion of radio towers on cont basis dif over service to Gov W	920
404448	3/22	To Comdr Europ Forces	Paulliac CO Inform Col Ferrier French Armt contract for completion of towers let to Pitt Des Moines Steel Co the fab of the towers at Croix d'Hins for $248,000.00 period work to be completed in 275 daysforce of 70 spec will leave for France about 4/10 and will be augmented later if necessary-W	920
405644	3/19	JAG	Dept 3/24 Submits report of investigation of inquiry into burning and collapse of 600' tower at South San Francisco Base W	793-5
4110822	4/14	C&R	Battle ships, battle cruiser, ship plant of antenna and Gauge mask jobs. Fwds print and comment.	647-11

MASTS AND TOWERS.

Number.	Date.	From or To—	Subject.	
297310	4/11	Stone & Webster Co	Cast concrete poles-relative to cost of-gives list of mfgrs who will be able to give definite quotation on. To--Acknowledges.4/13	
299212	4/22	To S&A	Reqt shipt of port radio mast from Wash to Phila.W Shipt order 4/22 R B 5/11. W	
302279	5-24	To N Lond	Rqsting info concerning suitable means erecting antenna for a 2 K W transmitter-W N Lond Dist Base - 5/31 - W To Crocker-Wheeler Co- in re above--6-10 Crocker Wheeler Co - Cannot bid on direct connection in motor generator set - submits quotation on compound wound DC generator. W 6-13	
319932	6/26	To Mare Is. (T)	Hansoom radio tower data not yet rec'd. W Mare Isl- TEL Data mailed 6;26 - 627 W	
328713	7/19	C&R	Copy of shipt order covering telescopic mast from Boston to Aircrft factory 918	
346073	9/5 9/4	Ports Radio Station. Ports.	Reports of mast struck by lighting. To--Allots. Amt. for repairs masts. 9/11 Y&D- Have allotted $850 for work. W To Ports re quartely insp report of 11/13 832	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
334900	8;8	S&A	Material purchased from S K F Ball Bearing Company contract 48320 R	
358342	10/11	C&R	Telescopic radio Made request for 1000 for use on seaplane Fwds print To---- Reqts that insulators be included in reqtn for masts-instrns for packing	10-18
356621	10/15	Masts & Towwrs.	Fwds Y&D- Re outriggers for towers-Nav Radio Sta-Norf.	824
356712	10/10/	To Pearl Harbor (T)	Advise whether guys on Kahuku towers will rqr renewal in case towers are dismantled and re-erec ted elsewhere, W.	813
356713	10/10	To M Is (T)	Can steel rope for Marconi type towers be obtained short notice on Pacific Coast W	813
358658	10/11	C&R	Copy of shipment order covering telescopic mast from aircraft factory to C&R W	
41086	10/10	Inspr Brook (T)	Expedite del. & advise status radio masts on contr.	629
346053	10/23	Otter Cliffs-(T)	App coast purchase dismantle and erect Belmar mast 25000. Can M Is type 300' wood lat iced mast be provided locally within fifteen thousand dollars telegraph reply Ports. W.	920-2

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[OVER.]

1917

MASTS AND TOWERS.

Number.	Date.	From or To—	Subject.	
237749	7/3 7/10	War Dept Nav Communications	Radio towers built by Milliken Bros for use in the Phillipines; request Dept's opinion whether these towers will withstand wind velocity of 160 miles an hour; fwds prints, etc.W Fwd Y&D--7/13 RB 7/21 Fwd Nav Com--7/23 To--Sec Sig--Towers not satis.7/23	
256159	10/17 none	Joseph Raeg Dept	Request compensation for use of portable wireless topand masts invented by him and used by government.W Fwd C&R--10/27	
259630	11/8	Natl Elec Sign Co	Offers tower and gen set from the Brant Rock Station for sale	876
264589	11/26 Fwd Y&D--1/15 RB 1-23 To--1/26	James C. Baker	Offers wireless tower of galvanized iron for sale.W To--Reqt plans.12/5 Baker 1-9 To--1/15	
269947	12/27	Marconi Co	Fwds report of conference re maintainance of masts and giving info in regard to methods of taking care of masts and guys.W To--1/3 To M.Is.--Fwds copy of instrns.1/11 To Pearl Harbor--Fwds copy of instrns.1/12RB 4-22	
278715	none	C&R	Copy of circular letter rel to reduction in height of top mast on cage mast. C&R - Asks height above ware level of radio antenna. 8;2 To C&R. Re Topmast on Cage Masts- Reduction in Height. 6/15	

MASTS AND TOWERS:

Number.	Date.	From or To—	Subject.	
282786	2-20	To C&R.	Aircraft equipment, telescopic masts; reqt ship at once to Hampt. Rds. W.	918.
284215	1-24	European Forces.	Telescopic radio mast for seaplane; fwds correspondence and plan. W.	918.
286240	3/2	S&A	Fwds copy contract 4 for 300 ft towers and 14 two hundred ft towers.W Fwd Y&D-3/11 Y&D-3/14	
290804	3/1	Govt Despatch Agency London	Reports shipment of telescopic mast.W	
290770	3/21	To French Naval Attache F-G	Fwds letter, with comment, from Marconi Co re towers which they have for sale. W	
293032	3-27	C&R.	Telescopic radio mast; recommends conference in connection with general. W.	107-0-6.
296812	4/9	Washn Yard ~~TEST~~ To John Simmons- Approves design steel plate-Comment on-5-27	Test of 80 ft portable mast submitted by To John Simmons Co-In re ten steel guyed tubular masts--5-16	
296812	4/9	Washn Yard	John Simmons Co fwds tracings of top plate in use of antenae Test of 80 ft portable mast submitted by John Simmons & Co-fwds report.W ~~To John Simmons Co-Det in re report of test of above--4-25~~	sup 5;21

MASTS: & TOWERS.

1916

Number.	Date.	From or To—	Subject.	
190228	5-16	Raes, J	Telescopic mast for radio; quotes figures, and forwards prints.W	
198953	9-13	To John Simmons.	Reqt prelim data in connection with the contemplated 130-ft. mast on SW&N bldg; gives length of aerials. W	
206136	11-18	Washn	Portable masts; fwds drawings.W	
206133	11-20	At Com Co	Request Llewellyn Iron Wks be auth to furnish them with tables on towers built for US GOVV. W To--Cannot supply infor reqted. 11/28	
209192	9/15	Exp Raide Ade Rice	Telescopic masts for submarines; Yard submits estimate of cost and recommends auth installation be made on F-boats. W	907

1917

210310o	1/3 Y&D Milliken Bros have reduced cost by reducing at expense of safety; will not purchase except in emergency 2/10	To Milliken Bros.	Reqt pamphlets of self supporting galvanized and painted towers suitable for use in small sized radio tele installations. W MillikenBros fwds printed matter 1/5 To Y&D--Fwds price list and circular letter of Milliken Bros. 1/9	
210889 p	12-26 1-6	Carlson, CA Dept	J. Raes; collapsible radio tower.W	

N.S.E. Form 134.

MASTS & TOWERNS. 890

Number.	Date.	From or To—	Subject.	
232613	6/8	To Tropical Radio Co	Reqt quotation on delivery of 300 foot tubular steel mastes, with blueprints, etc. W United Fruit Co fwds data 6/8	
232615	6/8 m	To Marconi Co	Reqt approximate cost of erecting towers, of which plans were fwded, complete with guys, etc. W	
233837	6/14	To Maryland Steel Co	Reqt plans and specns tubular steel guyed radio towers, similar to those furnished White Eng Corp, NY. W	
234013	6/16	To J.C.White Eng Corp	Reqt quotation on erection of tubular steel guyed radio towers, about 300 or 400' high. W	
234379	6/21	To Wash 704	Coast guard patrol antennas. Directs prepare reqn for six iron masts for umbrella type antenna.W	
235510	6/26	To H.A.Weagant	Acknowledges receipt of infor relative to cost of masts, together with drawing. W	
237151	7/6	The Philkill Steeplejack Co	Request work on painting and repairing, etc, of radio towers.W To--Refers to Y&D. 7/11 Fwd Y&D--7/11	

NB—0120

[OVER.]

1915

MASTS & TOWERS.

Number.	Date.	From or To—	Subject.	
156799	4/27	Spaulding Construction Co	Asks requirements for radio towers.W Fwd Y&D--For reply. 6/5 To-- Fwd to Y&D for reply. 6/5	
160683	7-14	Y&D	Reqn for elec hoists for towers, Cavite, Pearl Harbor, San Diego; fwds.W Ref. Y&D furnish hand in lieu of elec.	8-18
164123	8-19 8-20	Clark, GH Wash'n	Portable mast invented by J.Raes; reports on inspection of; worth investigating.W ref.C&R 8-24 RB 9/11 Clark fwds b/p and patent 9-1 Fwd C&R-- 9/3 RB 9/11	
164337	8-26	Y&D	Fwds reqn for winches, rope,etc for towers for Cavite, Pearl Harbor and San Diego. W.	
167628	10-2 10-6	Raes, J Dept	Telescopic radio tower.W To--Ack receipt of 10/9	
169157	1 0/22	Y&D	Radio towers, Pearl Harbor, San Diego and Cavite; fwds requisition for winches.W	
170664	11-8	C&R	Fwds description of Mors pneumatic telescopic mast W Retd--Noted. 11/10	
173034	11-27	Gardner, C.R.	Asks data on.W Fwd Y&D-- 12/9	
173420	12-9	To Joh Simmons.	Ack receipt of price lists. W Simons recd opportunity to make special bids 12-14	

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MASTS AND TOWERS: RADIO. 890

Number.	Date.	From or To—	Subject.	
173474	?	?	Report on Moor's pneumatic telescopic mast for radio on submarines	907
			1916	
175904	1-10	Nav Intel	Reqt plans of wireless towers coast stations for Argentine Naval Commission.W Fwd Y&D-- 1/12	
180913	1-4	Raes, J	Radio masts; drawings patents, specns,etc.W	
182084	3-2	Raes, J	Fwds detail drawings of telescopic wireless mast. W	
186374	4-28	Clark, GH	Radio towers; sugges s method of telephone communication between men working on towers and force on ground.W.	
187739	5-2	Pearl Harbor	Reports radio mast complete with rigging,etc., at station for over 10 years; reqt instructions re disposition.W	
	To--Survey mast. 6/9		Fwd M.Is--Asks if apparatus can be used. 5/16 RB obsolete; cannot be used at any stations under cognizance of yard 6/1 (Fwds plan of mast)	
188569	5/17	Pug Sd	North Head Radb Station; wooden lattice mast; fwds print of proposed specns	825
185444	4/17	Atl Flt	Bellini-Tosi direction finder on vessels; wooden masts and hemp ~~rings~~ rigging preferable to metal in operation of; C&R does not consider it practicable to ~~floow~~ follow recommendation in regard to material of masts	898

NB—0120

[OVER.]

MASTS & TOWERS. 1914

Number.	Date.	From or To—	Subject.	
127140	6/8	C&R 17618-E.98	Masts on GUNBOATS. Requests authority to increase heights for radio purposes on NASHVILLE,WHEELING,PETREL, PADUCAH,ANNAPOLIS, HELENA,WILMINGTON,YORK-TOWN, DES MOINES, TACOMA, GALVESTON ,CLEVELAND.W Fwd Dept--recommendations 6/13. Ret---6/17	
127986	6/6	NY	G-2; proposed arrangement ofradio masts; CO recommends the elimination of a forward an d after pole masts	452-6
128118	6/22	Callander & Co.	Kay towers manufactured by the British Mannesmann Tower Co; fwds printed matter.Y Fwd Y&D.6/25.	
134951	9/15	Crenshaw	PORTO BELLO; masts; badly ant eaten; not worth removing	831
136334	9-28	Pac Flt	Recommends armored cruisers Pac Flt be fitted with 60' wood top mast for radio. W Fwd C&R-- 10/10	
138347			Question of ladders on towers considered KEY WEST STATION	817
140388	11-21	Lawson, W.S.	Reqt data on.W Fwd Y&D-- 12/1	
141513	12-7	Y&D	Radio towers; new; fwds copy of reqn for hand operated hoists for.W.	

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MASTS: & TOWERS: 890

Number.	Date.	From or To—	Subject.
142152	12-8	M. Is	Towers reqt plans and specns covering latest type of steel.W Fwd Y&D-- 12/22
		1915	
143711	11-30 1-5	Canadian Comsrs Trans Continental RR S& Y&D	Reqt details of 300' radio tower built at San Juan; Y&D recommends refusal.W Fwd Y&D--Bu has no objection. 1/8
144529	1-14	Matthews, W.N.	Anchors for radio masts; reqt test of; print.W To--Not deemed desirable. 1/19
146878	2-10	Y&D	Fwds reqn for elec hoists and wire rope for towers radio stations Cavite, Pearl Harbor, San Diego. W To--Reqt reqn be held up until additional allotment can be obtained by the next congress. 2/13
147720	2-17	Gaerber Eng Co.	Towers; asks name of successful bidder.W To--Have refd to Y&D. 2/23 Fwd Y&D-- 2/23
148509	3-1	Y&D	Radio towers for San Diego, Pearl Harbor, Cavite; fwds list of bids.W Fwd Dept-- Concurs in rec. 3/4 Solicitor notifies of awards 3-8 Fwd Y&D-- 3/12
153113	4-23	To Y&D.	Tracing of 300-ft. towers; details of operating platforms; returns appvd. W
153238	4-23	N.J. Foundry & Mch Co	Suggests use of Straining poles in connection radio towers.W To--State device not applicable to. 4/27

NB—0120

[OVER.]

1913

Number.	Date.	From or To—		Subject.	
112058	12/4	C&R		YORKTON: inc. in mast head heights, etc	492--6
112695	12/2	M.Is.		CLEVELAND: inc. mast height for radio purposes	162-6
116320	1-21 1-29	NY C&R	870-855-3 17618-E.97	Recommends that radio masts for ships be increased in heigth to raise antennae 200' above the water line.W Ret C&R.1/30.	

1914

116430	1-28	NY		Steel masts delivered under reqn 59; reqt instructions re final disposition; recommends be stored under cover.W To---,Bost,S&A.request shipment to Bost.2/3	
117338	2-5	Security Construction Co		Reqt. authority to bid on towers for proposed station at Sandiego. W. To---spcfns not yet issued.2/11 Fwd Y&D.2/11	
117257	12/30	C.O.		HELENA: reqt inc. in height of radio mast, disap. by C.in C.	229--6
117711	2-13	Y&D	2046	Boston, Washington, Key West; steel towers for radio stations; fwds bids for recommendations. Fwd Dept.with rec.2/16.	

N.S.E. Form 134.

MASTS AND TOWERS 890

Number.	Date.	From or To—	Subject.	
118958	2/27	Dept.Commerce	Beaufort; steel mast; reqt be erected on site of old mast; disapproved suggested location	800
119497	3-7	Y&D	Towers for Boston, Whashington, Key West; contract awarded A.W. Kurz. W	
119691	3-8	ENGINEERING NEWS	Steel radio towers; reqt data on triangualr type.W Fwd Y&D.3/13.	
119693	3/6	War Dept.	BALBOA AND COLON; structural steel for towers; corrs with A. H. McCay re admission free of duty under Panama Act. Summerizes opinions that material is subject to duty Panama Republic except when actually used for Canal Construction.	850
120634	3-20 3-21	Milliken Bros Co S&A	Reqt opportunity to bid on those required for new stations.W Fwd Y&D.3/25.	
120657	3/24	To Heinicke, H.R.	Re advisability of erection of towers of insulating material instead of steel. Request data re their brick structures,etc.W Heinicke further 3-27	
121099	3-28	Matthews, W.M. Co	Solicits orders for Matthews guy anchors. W Fwd Y&D.3/30.	

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[OVER.]

MASTS & TOWERS

1913

Number.	Date.	From or To—	Subject.	
92865	2/28	C.O.	ARKANSAS: recommends mast be increased in height and switchboard be place in conning tower for connecting battle aerials.	121--6
94134	3/25	Norf.	C,D,E & F classes, fwds type plans of masts and fittings.	497
95837	4/24	Atlantic Communication Co.	Fwds information and sketch of their light portable and collapsible towers.W	
96216	4/26	Res. Tor. Group	LAWRENCE: inc. height of radio masts	262--6
96233	5/1	C&R	G-1, relative to reducing heights of	393--6
97778	5/21	To C&R	F-Class, Bu. possibly will not be able to provide radio sets before SEPTEMBER.Reqt that detail plans of masts and fittings be prepared.	149--6
97877	3/10	C.O.	HENLEY: reqt reduction in height of top gallant mast, asks if satis. from radio view	442--6
97877	3/10	C.O.	SUPPLY: recommends reduction in height of top gallant mast,	422--6
99540	6-9 6-13	Crocker Land Expedition NY	Reqt. loan of 2 wooden masts for use in erecting wireless station in Flagler sound.W Fwd Dept via C&R.6/16.	

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MAST & TOWERS. 890

1912

Number.	Date.	From or To—	Subject.	
100697	6/23	Federal Tel.Co.	CAIMITO RADIO: towers for; gives reasons why same must be insulated.	851
100991	7/7	Y&D	CAIMITO RADIO: Fwds copy of contract Penn Bridge Co.for steel towers.	851
101635	7-16	TO WAR DEPT	2-40-ft sectional masts; transfer from Signal Corps to Washn; reqn. will be submitted	897
102486	7-22	M.Is 7830	Fwds vandyke on experimental mast for.W	
102609	7/28	C&R	C-D-E and F classes; mast for radio;b/p	497
103159	8/7	C&R	SUBS. masts, instructions issued to M.Is. for F-CLASS, asks if same action to be taken for C, D & E classes.	497
103730	8/12	War Dept.	Undertand reqt for mast cancelled.	897
103697	8/6	War Dept	Portable mast for radio pact sets, stock exhausted.	897
108052	10/15	To NY,Bost,Norf,Phila.	Asks if a 60-ft.radio mast with rigging is in store available for issue.W Norf.10/16 none. Bost.10/16 one. Phila.10/16. two, ex-Cape Henlopen. NY 10/16 none; have material to make.W	
108819	10/26	At.Flt.	Result obtained on Florida test warrants re-locating rooms on all BS below water line and raising mast.	876

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[OVER.]

Number.	Date.	From or To—	Subject.	
62098	2/25	Beaufort	Reports on temporary arrg of	800
71913	2/23	Norf.	BEAUFORT: mast broken by wind:etc	800
63434	3-11	Heinicke, H:R.	Fwds prints of brick tower and asks that they be considered for erections in future, especially in Panama.W To---Ack. Reqst est cost of constructing.3/13.	
63696	3-15	Heincke,H.R.	Brick tower for wireless is entirely self supporting, any type antennae can be fitted.W To---Ack.3/16.	
64076	3/20	To Y&D	COLON: high powered radio station in CANAL Zone: reqts plans and specfs be prepared for a 300-ft self-supporting steel tower, and a 400-ft similar tower.	808
65648	4-5	Chasn 2057	Reqt. instructions re completing partly finished wireless towers.W	
68658	5/13	To Dept via C&R.	New 1000 ton TBDS; recommends heights of masts be made at least 100 feet; suggests telescopic masts or topmasts, arr to be easily housed in bad weather,be fitted.W BLRB 5-22 Fwd Dept makes further recommendations. 5-23 RB 7 H Fwd C&R.7/12. RB 7-27 Fwd Dept.7/29.	
66534	3/17	Asiatic Fleet	REports changes in, lengthening of masts, etc.	495

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MASTS & TOWERS 890

Number.	Date.	From or To—	Subject.	
70242	5-29 6-1	Fricke, O. Dept 26840-1461	Invites attention to hise patent pendulum tower for.W To --Ref Y&D 6-4 Ref.Y&D 6-4	
71256	4/10	Guam	Reqt.additional $500 for erection wireless	mast 813
71929	6-22	Lowenstein? F.	Reqt. return of model loaned Bureau.W To---& Washn and S&A; directs shipment. 6/26.	
73638	7/13	Norf.	Fwds.prints showing radio aerial spreader as fitted.W	
75428	8/9	C&R	TBDS 43-50, Dept has auth. changes in height of masts.	440--8
77232	7/9	At. Sub.Flo	SUBS.Class D, recommends fitting masts for wireless, Estimate and plans submitted	907
79772	10-7	Phoenix Bridge Co	Data on wireless towers;reqt. W Fwd Y&D.10/10.	
77232	9/11	Fwd C&R	Plan for masts approved for D,E,F,H & K Classes. also masts recommended for C & G glasses.	907
			1913	
87392	1/13	C&R	MASTS AND fittings for, fwds sketch of those proposed for K CLASS.	907

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[OVER.]

Number.	Date.	From or To—	Subject.	
41964	6/22	C.O.	MACHIAS: reqt permission to erect wireless pole on account of difficulty of leading wireless from aerial to room	272--6
43167	7/10	To Dept	ST AUGUSTINE: reqt permission be obtained from C&L for erection of iron tower.	834
44972	7/29	TO Dept	Reqt. authority to purchase for Pearl Harbor, Porto Rico, Guantanamo, Key West. W R 8-5 approving 2 towers for TUTUILA disapproves 10 towers for other stations.	
44427	7/29	To Key West	To Y&D. Re design and purchase of two. 8/18. Steps being taken to replace wooden masts by steel towers. Necessary repairs to be made to present masts.	817
45647	8/8	Olongapo	Reqt auth. to install native wood mast, on water tower, expedite material	826
47528	8/16	Wireless Spec.Co	Quotes price on steel mast for delivery at Annapolis. W	
48179	9/7	To M.Is.	POINT LOMA: necessary to delay action on mast, suggest arr. no guides under aerial.	830
49077	9/14	Pug. Sd	TATOOSH: fwds prints showing proposed location mast, suggest be steel at least 300ft high.	838
52812	11/3	Y&D	SAN JUAN W.STA.: fwds prints and specns. for proposed steel towers.	835

N.S.E. Form 134.

MASTS & TOWERS: 890

Number.	Date.	From or To—	Subject.	
53284	11/7	NY	SAN JUAN: proposed steel tower for: also for Newport	835
54562	11/17	Pug. Sd	Reports damage to masts at Yd and at TATOOSH Island to extensions recently placed on mast. Believe that towers will be required if masts must be 242 feet high.	833
54568	11/20	M.Is.	UNALASKA: reports damage to	845
56067	12/14	To C&R	Insulation of rigging, rec. steps be taken to place insulators in such position that the continuity of induced currents may be broken, and that use of hemp or other insulating material for foot lashing of Jacob's ladders be discontinued	883
			1912	
57020	1/18	To Y&D	Schedule 4146: Requests plan be prepared for steel towers, 200 feet high, that may be installed anywhere in tropical countries. W	706
59693	1/22	Omaha Steel Const.Co	States desire to bid on all steel ~~wet~~ towers for wireless. W. To---Fwd S&A via Y&D. Rec be given opportunity to bid. 1/27.	
61731	2/19	Finkel Belmont Co	SYSTEM: invites attention to new system being placed on market by Raes Mfg Co. also improved tower, submits specs and print of same	901

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[OVER.]

FILE No.		From or To— (Dated)	Subject.	
35882	4/4	M.Is.	M.Is. reqt auth. to purchase and install new mast at M.Is. and San DIEGO.	818
36188	4/14	To Dept	CHAS. W.T. reqt auth. to erect 2 steel towers	807
√36339	4/15	Heller & Aller	Gives dimensions of 125' wireless tower. W To -- Regn.being submitted for 2 towers,one for Jupiter Inlet, and one for St.Augustine.4/29	
√36378	4/14	Heller & Aller	Quotes prices on wireless towers.W	
38528	5/11	To Dept	WASH.L.D. reqt auth. to proceed with making contracts for erection of tower and buildings	841
40159	?	Y&D	WASH.L.D. fwds copy of specfs covering steel towers for.	841
√No #	6/7	To Dept	M.Is & Point Loma: Regn.695: Reqst auth.to have bids for erection of masts referred to Commandant, M.Is., for rec. as to award. W	
40778	6/9	To Chas.	Fwds copy regn.312 for towers for St.Augustine and Jupiter Inlet. W	816
41487	6/17	Y&D	WASH.LD. fwds proposals on; award recommended to Baltimore Bridge Co. $105,541	841
34290		See card #2	To Washn.Fwds copy regn 12, for two 40-ft. portable W.T.masts, to be furnished by U.S.Signal Corps.6/23.	

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FILE No.		From or To— (Dated)	Subject.	
33503	3/10	Davis Construc. Co.	Wash.L.D. rel bid on:	841
33496	3/9	Weber Chimney Co.	do	841
33498	3/9	Gen. Concrete Co.	do	841
32963	3/10	McClintic Marshall	do	841
33626	3/10	Heller, Aller Co	Galvanised steel towers for wireless; gives information re delivery & fwds prints. W. To -- Reqst outline prints.3/18.	
33673	3/7	Commercial Wireless Tel & Tel Co	Fwds photos. of mast recently erected by them and invites attention to construction of.W. To -- Papers will be ref.to Pac.coast yds Fwd M.Is.& Puget.3/18. R.B.3/30	SEE BELOW. 3/18.
33586	3/10	Metal Concrete Chimney Co.	Wash.L.D. recommends re-enforced concrete	841
32963	3/11	Pollock, W.B.Co.	WASH L.D. TOWERS: reqt prints	841
33963	3/11	Snare & Triest Co.	Do	841
33660	3/10	Nat.E.Sig.Co.	Wash.L.D.100 KW set: fwds prints	841
33738	3/10	Fuller Co. J.A.	Wash.L.D. not able to submit bid on	841
34290	3/21	TO Dept	Portable; reqt. 10 be obtained from signal corps, Army. W R.B.4/4. Ret Dept.Reqn has been submitted for two 40-ft masts. Reqn 12. 6/20.	See Card 3
34451	3/22	Newport	Reqt that additional $1000 be allowed for construction of foundation for mast.	822
34576	3/23	Heller & Aller	Fwds information re towers. W To -- Reqst est.for 125-Ft towers for St. Augustine and Jupiter Inlet,Fla.4/8.	
33673		SEE ABOVE.	Fwd Puget to note and return.4/6. RB 4-24	

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MASTS & TOWERS.

FILE No.		From or To— (Dated)	Subject.	
28815	1/11	Pug. Sd	Reqt auth to increase height of mast 70'	
28914	1/12	M.Is.	PAC. Coast Sta. Unalaska, recommends steel towers for estimates cost for use of ships masts	895
28930	1/12	Engrg. Record	Wash. L.D.Sta. asks if any progress has been made on plans for concrete tower	841
29073	1/14	To Motley Green Co.	UNALASKA: reqt price on two towers	845
29072	1/14	TO M.Is.S&A.Dept.NY	KODIAK & UNALASKA: rel tower for	844
30439	1/28	Kelley & Co. W.M.	WASHINGTON L.D. concrete tower for: prints	841
30504	1/31	MotleyGreen & Co.	UNALASKA: reports steel tower on hand which might	845
30591	2/1	M.Is.	KODIAK & UNALASKA: recommends special section al mast, 225': recommends allotment of $20,000.	844
30824	2/3	Motley Green & Co.	UNALASKA: suggest rep. of Bu. visit works and examine mast	845
31440	2/10	Clapp- Eastman Co.	PORTABLE SETS: states no prints covering masts and antennae with	897
32848	2/18	Cronk,Mrs.C.P.	CAPE HENRY: reqt removal of old coast signal service tower at	805
32963	3/6	Circular to Firms	WASHINGTON:L. D. Submits requirements as to towers and concrete bldgs. W.	841
33016	3/3	Chas.	CHAS. recommends new steel mast for	807
33071	3/6	TO Heller & Aller	Reqt. quotations on steel towers for wireless for delivery on Atlantic coast.W	
32963		N.J.Foundry & Mch Co Motley Green & Co Noel Construction Co Heinicke, H.R Penn Bridge Co.	Wash. L.D.Sta. rel bids, reply to C.L. do	841

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Number.	Date.	From or To—	Subject.	
43521	6/27	Dept	SUBMARINES: approves fitting telescopic mast on submarines for carrying mast head lights.	497
			1912	
			1913	
			~~1918~~	
90303	1/25	Monaghan (Ft.Fleet)	Reqt cage mast be fitted on TBDS. Fleet and Flotilla commanders recommends against but recommend heavier mast than those now fitted.	496
91112	2/15	Gen. Board	Recommends retention of two cage masts on vessels where now fitted and their installation in future constructions.	647--11
			1918	
278488	1-25	Key West	Submits report on condition of mast and bldgs-rec be either repaired at once or abandoned and dismantled-menace to life.	793-5
		1918		
301593	4/27	C&R	Fwds report from Atl Sub Force re telescopic ratio masts on submarines in the L class	W 875

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Number.	Date.	From or To—	Subject.	

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MEGAPHONE RECEIVER see RECEIVING & SENDING.

FILE No.	From or To— (Dated)	Subject.	

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MESSAGES 1922

Number.	Date.	From or To—	Subject.	
629560	6/22	DNC	Copy of letter to Pac & Asiatic Communication Supts. on multilation of messages M	
631879	6/12	Asiatic Fleet Circ.	Errors in transmission of radio communications- instrns cov W.	
637505	8/12	Dept	Copy of telegram to districts giving dates vessel will sale for Brazilian exposition.W	
641538	9/13	Dept	Fwds copy of letter from Pac Fleet rel to efficiency of communication with recommendations W Navigation- Fwds copy of letter from Pacf.Fleet rel to. 9/20 W. Dept- Fwds copy of letter from Pacf.Fleet.9/26 W Navigation 9/28 W Dept 9/28 Copy of action to fleets W Dept- Makes changes in circular letter of 10/4. 10/5 W.	

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MESSAGES 1922

Number.	Date.	From or To—	Subject.
645781	10/14	Dept	Subm comments on price rates, Radio Corpn. of America W
		To Comdts-Yds-Stans.	To Districts listed Reqsts estimated data
			M.I. 11/29 T Can not furnish inform desired W
			To MI (T) yes 12/4
			9th District 12/14 Fwds tabulated date requested W
			M.I. 12/11 Fwds copy of date in connection with cost of services rendered by shore stations 11 and 12 Districts, fiscal year 1921 W
			13th District 12/14 Detail report cov services rendered by station W
			M.I. 12/23 Fwds tabulation data of services W
649798	11/10 11/15	547 CO N-2 Sub Div O	Submits report on performance of radio set and communication enroute to Annapolis and return W
			To Boston- submits recomdns- Reqsts inform cc Div Zero 11/24 RB 1/6/23 W
			To Norf- Fwds corres listed 11/24
			To Phila- Fwds corres listed- gives instrns 11/24
			Norf 12/6 Comments on W
			NY 12/22 Comments and details W

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[OVER.]

MESSAGES 1920

Number.	Date.	From or To—	Subject.	
474772	2/2 2/6	Bar Harbor 1st Dist	Fwds samples of tape made on Annapolis sending high speed to Stavanger. fwd Annapolis via Cdt Wash 2/16 copy Supt Naval Acad Annapolis- (T)- Compensating wave is too close; are experimenting to remedy. 3/8 Washington; fwds report from Annapolis on high speed key system with detailed recommendations; W 3-16;	W.
480314	3/9	To Navigation	Long distance record made by American Naval Radio Station. Fwds report of long distance record. for publication W	
484637	3/30	Lowenstein Co.	Ask name of manufacturers of transmitter used for transmitting between Inglewood Sta. and Steam Ship VENEZUELA. To Lowenstein Co 4/2	W
484947	3/31	P.C.C.S.(T)	Mutual Co. ready to take over all work with arc ships provided they will listen on 600 meters.	W.
490266	4/27	Bar Harbor Copy	British station request use wave more remote. 905 W	
496363	5/26 VOID- (893)	Pacent Elec. Co.	Fwds bulletins describing dual lateral inducatnces.	W.

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MESSAGES

Number.	Date.	From or To—	Subject.	
555635	4/2	Communications 916	Request inform rel to approximate cost per word for operation of high power stations in conn with determining weather saving in Govt books could be effected by partial transmission of Govt messages by radio. To Dir Comm - Gives inform 4/23	W
576940	6/30	Atl Btlship Squad 2	Report on communication with Btlship Squad 2 from Annapolis to Christiana, Norway.	169-6 W
591164	10/17	Ship Board	Fwds report from Radio operator on board EMPIRE STATE criticising Navy arc, schedules and operators. W complaints, Ship Board 914 To yds- Districks-Stations listed- Alleged poor service rendered by certain stations on and in the pacific 10/25. Fwd Dir communications 10/25 15th Dist- Copy action to Communications. 11/4 W. Cavite- Comments on. 1/11 W	

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[OVER.]

MESSAGES: RADIO

Number.	Date.	From or To—	Subject.	
419101	4;25	Lloyd	In con with arrangement made to adv Lloyd registry re maritime casualities, derelicts, passing at sea, etc. W fwd Commun 5-21	
440567	7;29 8;18	Canadian Marconi Co S&A	Fwds invoice cov charges on messages fwd by ship on GL during month of April. W fwd Com 8/21	
448432	9;30	Com	Fwds copy of message from Cayey in con with schedule of service. W	
448847	10/2	Cordova (copy)	Report of signals with Cayey. W	920-4

Number.	Date.	From or To—	Subject.	
464215	11/15	Cutting & Washington	Asks if certain signals they received were from Nauen. W. Fwd D.N .C - 12/19	
465794	12-31	To D.N.C.	Traffic handled by shore radio stations of the Naval Communication Service. W	
	Communications- Report on earnings of shore stations month of March. 10/6 W.		Communications- Subm statemtns of earnings of shore stations, month of November. 1/7. W	
			Communications- Subm statement showing earnings of shore stations, month of February.5/17 W	
470137	1/7	Pearl Harbor	Fwds copies of messages recd from Nauen, Germany, at Wailupe. Fwd D.N.C. 1-20	W.
470138	1/6	Pearl Harbor	Subm report on material observation of Annapolis and New Brunswick.Stations.	W.
472772	1/30	To European Forces	Newspaper clippings. Info reqst from Marconi Co concerning circumstances at radio stations which cause of press comment in this country- commun wth Mars. W	
			European Forces-fwds copy of letter from Marconi Co in connection with erroneous report circulated about communication by radio with Mars-2/8	
473265	1;31	Bar Harbor T	Washington yard arc is working better. To Washington 2/3	

Number.	Date.	From or To—	Subject.	
351608	9;11	Dept	18 broad castings of unnecessary dispatch vessels and directs curtailed.	
369245	11/14	Communications	Asks number of Alnay messages desired by each Bureau anfd office. K.	600-2
356442	10;1 10;7	Hampton Roads Montawk	Sub report of seaplane radio, asks if plane attached to Montawk station. W	
364041	10;26	Dept	In con with form of messages for ships and stations in con with ref number. K	
384596	1;11	Sims Copy 368	Morara Wireless Station intercepting Cavite.	

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Number.	Date.	From or To—	Subject.	
395303	2/17	To CO (T)	DNC info RP vouchers not necessary on Report RP Messages rec'd to DCS W	42-X-6
398646	3;1	PCCS	In con with acceptance of Manilla Com Traffic.	
398924	2-28	To W B Pierson Beth Co	Telg Any estern U officer will take commericalwfor returning ships and will send same b wireless for thiersore sta if this is o f business Nav will send it Leviathan sialed Feb 26th from rest for NY Comdt Cruiser Force in NY in NY can supply ncess pass	
400213	3;1 p	5th Dist	Sub instruc in con with report.	W
403603	3;15	Dept	After Apr 1st war tax of 10 cents per message will be collected on all ~~messages~~ commercial radio traffic where cost of message is over 50 cents.	W

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MESSAGES: RADIO

Number.	Date.	From or To—	Subject.	
325242	6;25 7;10	Co Maine Naval Communication	Fwds memorandum statement by radio officer covering report of code signal received. W Fwd. Nav.Comm. (no date).	
306171	6/11	GE Co	Rqst Lt Cmdr Leclair make arrgts to accompany Secty party to Schenectady-Ask if can arrange	898
327149	7;23	American RR Corp	Old Number	
332099	7;29	Marconi Co	Detailed comments in connection with measurations, will fwd when company has had opportunity to read thoroughly. W	
333413	7;18 8;2	European Forces Naval Communication	Fwds intercepted radio messages for convoy W Fwd. Wash. 8/9 received back 8;23 Fwd. NY 8/27 received back 9;9 Fwd. Comm. 9/12	
316792	8/5	To Flag Santo Domingo (T)	~~Early reply reqtd.~~	

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MESSAGES RADIO

Number.	Date.	From or To—	Subject.	
302827	5-14	To (T) Triumph Elec Co	Wire had R R accepted carload Lowenstien two K W sets your letter April 26th -W	
316071	6-14	To GE Co. (T)	Unless notified to contrary will send message from N.Brunswick ten thirty wave length nine one fifty. W	
318428	6;20	Mare Isl 818	TEL. Submits report from U S Radio Lab. 6;16 to 19. W	
319611	6;17 6;21	Belmar Communication	Report sent by unknown station at about 52,000 meters, fwds copy of messages taken, unable to translate, asks if shall go into the matter further. W Fwd. Nav.Com. 7/8	
322367	6;26 6;28	Belmar Naval Communication	Fwds report sent by unknown station on about 5,3000 meters. W Fwd. Nav. Com. 7/8 Belmar - Fwds further report. W 7;13 Fwd. Comm. 7/22 New Brunswick 7;17	
334788	8/6	Naval Commun	Fwds report intercepted at New Castle Sta Nova Scotia	920-12

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MESSAGES: RADIO

Number.	Date.	From or To—	Subject.	
211401	12-12	Asiatic Flt	Reports operators are being trained for long distance work; fwds copy messages caught from German Station Nauen.	495
212385	1/22	Dept	Telegrams, radiograms, etc; gives designation by which various Bureaus are to sign	716
213329	12-26 1-31	DES MOINES Dept	Reports receiving messages from Arlington, and east coast yards; Dept has directed messages be sent out broadcast.W Fwd Dept--Noted. 2/3	
215220	12/27	Asiatic Flt	Reports on long distance message received by BROOKLYN and GALVESTON; request confirmation of a message from Nauen and Sayville	495
223055	4/10	Pug Sd VOID		
225281	4/27	Director	Schedule effective 4/30, 1917 W	
230205	5-24	NY	E-1; reports receiving long distance messages; gives description of apparatus.	907
231975	5/12	Guatemala (W.R.MacDonald)	Relative to efforts to establish communication with Pointisabel	853

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892 MESSAGES: RADIO.

Number.	Date.	From or To—	Subject.	
239214	7-17	Communication	states telegram used in making reports of station test too long; gives designation and suggests designation to be used.	903
242443	8/1	Communications	Reports abdition of 10 word minimum on radiograms, Naval service, Canada.W	
251271	8/17	Amer Embassy, Paris	Radio communication between US and France.W	
260413	11/13	Fwd Nav Com	Unusual communication intercepted. Comments on.W	
261147	11/16	Dr L.W.Austin	Fwds copies of letters relative to receiving all American and European stations in New Zealand - W	
261147	11/15	Dr L W Austin	Fwds report on reception of American and European radio stations in New Zealand.W	
265873	12-5	Communications	Lents radio station; reports on test of low power.W	
297515	4-11	Director of Nav Comm'ns	Forwards copy of message intercepted at Pensacola - unable to locate source. W	

Pensa Air Sta-Are making search to locate station sending signals. To Pensa--Directs endeavor locate strange signals. 4/13
4-16
Pensa - Submits further report. Fwd Nav Com. 4/18
W 4/30

MESSAGES: RADIO. 1916

Number.	Date.	From or To—	Subject.	
177057	1/10	At Flt	Reports on use of shore stations in relaying messages between divisions of fleet; reqt rule be laid ~~on~~ down	914
178294	1/26	Atl Flt	Reports on communication between ships and shore stations	493
178472	1/30	New Orleans Communication Office	Reports difficulties in getting messages through in explanation of duplicating commercial message	821
179317	2/9	Pac Flt	Fwds suggestions of Gunner W.N.Fanning, for using different tones instead of dots and dashes for sending code messages; typewriter and duplicater, operations of shore stations	876
181492	3/3	Supt Radio	TENNESSEE: copy of orders for maintaining communication with while on trip to South American ports	431-6
181656	3/4	San Juan	Reports intercepted message Nauen, Germany, to Sayville, by use of inductance coil made by station force	835
181804	2/24	At Flt	Charleston Radio Station; complains of radio communication with; excessive static, etc.	807
1825 00	3/22	Dept	MARIETTA; quotes correspondence reporting difficulties in communication between vessel and MACHIAS	278-6
184415	4/3	Bost	Faulty communication with Arlington	843

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MESSAGES: RADIO. 892

Number.	Date.	From or To—	Subject.	
185439	4/20	At Flt	Communication between fleet and shore stations; Beaufort signals best whenfor fleet work; NY poor receiving but fine sending station	493
185801	4/19	CHESTER	Fwds copies of intercepted messages from US stations while on duty West Coast of Africa	156-6
191211	6/19	Supt Radio	Submits report on number of messages handled by Sitka and Cordova during breakdown of the Washn-Alaskan Military cable	836
192110	6-21	Fed Tel Co	SS Ventura; heard messages from Tuckerton at distan e of 9000 miles.W To--Ack receipt of. 6/29	
192451	6/6	SACREMENTO	Corres relative to inability of coast stations to establish radio communication with vessel	222-6
193408	6/23	San Juan	Long distance message, Marconi Station, Honolulu, Japan.W Fwd Tad Sef-- Noted. 7/17	
203208	10/19	Atl. Flt T	Request all despatches for ships on Southern Drill be sent by arc.	493
207084	12-2	Operations	Reports failure to obey orders Jan 7 relative to holding telegrams until last hour of day; also not marking certain messages "Nite"	600-2

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MESSAGES:

1914

Number.	Date.	From or To—	Subject.	
132322	8-14	Supt Radio	Circular No. 10; relative to sending prefixed "Gov't". W	
134607	8-10	Supt. & Gen. Bd.	Proposed regulations covering - establishment of Office of Communications in Navy Dept.	914
135395	9/25	At Flt	Copy of circular letter governing radio communication in vicinity of Norf	493
139844	11/16	Supt Radio	Copy of circular letter re collection of tolls for commercial messages	914
139878	11/14	Supt Radio	Copy of circular letter re handling messages for Govn Depts: directs messages never be accepted with charges collect	914
140271	11/21	Dept T	Telegrams, cablegrams, radiograms, relating to war material all to be coded	716
		1915		
147867	2-20	Dept	Copy of order regulating sending of Mobilized Naval Communication and Radio communication". W.	
147778	2-11	San Juan	Reports intercepting message from San Diego to Arlington. W Fwd Rad Ser-- 3/1	
154009	4-30	Supt Radio	Circulat No 19; War Dept changes rates for messages	
155067	5-5 5-14	Norf Radii Sta Norf	Reqt definite instructions relative to handling relay radiograms during heavy static. W Fwd Radio Ser-- 5/17	

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MESSAGES: 892

Number.	Date.	From or To—	Subject.	
157472	5-18	Supt Radio	Submits table showing great increase in suggests rules and methods for preventing congestion of fleet	914
166204	9-3	LA.	Reports hearing Arlington while at Vera Cruz	268-6
166716	9/13 9/24	Guantanamo Supt Radio	Reports improper use of reference numbers on radios; reqt copies. K Fwd Rad Ser-- 9/28 RB 10/14 Fwf Operations 10-16	
167351	9-27	Pac Fleet	Reports overhearing long distance messages between Marconi station near San Fran and Japanese station at Tokio.W	
171368	11/12	Dept 1916	Regulations for handling despatches sent or received by radio, telegraph, cable or telephone	600-2
175401	1/5	To Newport via NY	Radio traffic between New York and Newport; direct communication between stations; reqt re difficulty experienced in	823
176015	1/7	Dept	Instructions for signing dispatches; too many signed with regular mail, causing congestion between 4 and 6 o'clock	600-2
176104 CHESTER submits lit of messages 1-27 Fwd Rad Ser-- 3/1	12-11 1-12	CHESTER Operations	Reports receiving messages from Arlington while at Morova, Liberia, distance of 4055 sea miles; Operations will carry on tests with c CHESTER for 5 days.W Fwd Dept Via Rad Ser-- Dept copy of letter to directing fur test	1-25
176193	1-10	Office of Communications	Reports communication between WYO at Cape Henry and Sandiego at Guatmas, using arc set. W	

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MESSAGES.

Number.	Date.	From or To—	Subject.	
118871	3/2	Memo for Secy	Comments re secrecy and publicity of signals and messages sent out by vessels in distress. W	
118969	2/20	Supt. Radio	Radiograms; handling of; comments on complaint of C&R re delay in delivery of those received after office hours. Dept. suggests telegraph office remain open all night with officer on watch when required.	600-2
119700	3/3	Supt.Radio	Radiograms; recommends adoption of standard form for use of Bureaus for sending confirmations, etc.	610
120710	3/22	At Flt	New instructions re use of wave length shifters, sending messages, etc.	493
121378	4-40	At Flt 487	Copy of circular letter of instructions for handling official radiograms when transmitted by telegraph from shore stations. W.	
121327	4-1	Supt Radio 4285~~p~~489	Recommends using 2 receivers set at different wave lengths in shore stations for convenience in handling messages from merchant vessels. W	
121981	3-31	Lloyd's	Reqt instructions be issued to radio stations to send messages of casualties, derelicts, etc. to Lloyd's at NY; agrees to pay for. W Fwd Supt.Radio.4/10.	

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MESSAGES: 892

Number.	Date.	From or To—	Subject.	
121959	4/2	Dept	Radiograms; directs messages for delivery to Navy Annex be phoned direct to office as well as telegraph operator.	600-2
122540	3/28	Supt Radio	Proposed memo governing radio communication by fleet between vessels of fleet, shore stations, etc.	914
123010	4/21	F wd. Supt. Radio VIA S&A	Re routing of radiogram from Charleston to Buseng 4/13/14	610
123103	4/22	Dept.	ATL FLT; directs radiograms and cablegrams for be sent by special messenger to Aid for Material in order that the urgent ones may be separated from others	493
123555	4/27	Dept	Radio messages for Atlantic Fleet; directs be sent direct to Div Operations	493
128459	6/26	MARIETT A	Unable to communicate with SOUTH CAROLINA or San Juan by radio	278-6
129259	7-3 7-7	Nat. Star Spangled Banner Assoc Marconi Co	Flag pole at Fort McHenry; reqt confirmation that first American Radio message was sent from to Wasnn; reqt plate be attached. W To Marconi Co. no definite data. 7/14.	
130924	6/30	Tutuila	Reports intercepting messages from North Head and Unalga	846
131203	7-28 7-30	Supt Radio Dept	Fwds corres rrelative to delay in transmitting radiogram from Chasn Yd. W Ret Dept. New storage battery being prepared for Beaufort station. 7/31.	

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MESSAGES.

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Number.	Date.	From or To—	Subject.	
108311	10/31	Dept. 12479-270	Radio messages: after midnight Nov. 2d, Arlington will handle all previously handled by Washington yard.K	
109498	11/4	Dept t	RADIOGRAMS, handling of, submits proposed change in regulations.	716
109692	10/21	At. Flt	Reports on radio communication of fleet in Gulf waters.	493
110616	11-17	Supt Radio 2838-210	Fwds corres with Chasn yard re time consumed in transmission of messages.W To Chas.Request sketch showing method of attaching antenna to mast.11/19 Fwd Supt.Radio.11/19	
111952	11-14	BIRMINGHAM:	Reports receipt of weather and time reports from Arlington Station off coast Brazil. W	
112667	12/12	Chas.	Fwds letter from ELGIN OBSERVATORY reporting hearing Charleston Sta. and reqt wave length, power, etc. Reqt instuctions re answering this type letter.	807
112627	12/2	M.Is.	SAN DIEGO: reports on efficient working of station and fwds copies of messages intercepted from ARLINGTON, NY, Fleet, GERMAN Station 5700 miles distant.	830

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MESSAGES 892

Number.	Date.	From or To—	Subject.	
112821	12/6	At. Flt.	Reports on intercepted radio conversations on recent passage from Europe to NY	493
113057	12-14	FLORIDA	Reports receiving fragments of press ~~reports~~ news at Naples, Italy sent out by Sayville, Rect confirmation.W Fwd Supt Radio.12/19 Fwd Supt Radio.1/28.	
		1914		
114103	12/22	Pug.Sd	Fwds copy of intercepted long distances from east coast.	833
114273	1/1	Schoning, H.C.	Reports hearing ARLINGTON, New Year Eve. from SAN FRANCISCO.	841
114811	1-12	Officer Indian Affairs	Rect Arlington send enclosed mesage to radio station at Rose Butt Indian School. W To---Fwd Supt Radio.1/13	
118714	2/19	At Flt	Recommendations for sending all except urgent messages in code.	879
118764	1/31	At Com Co	Report station at Nauen Germany caught full text of weather report sent 1/11/12	841

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Number.	Date.	From or To—	Subject.	
94756	4/11	Fry, H.D.	ARLINGTON, asks if sent message to M.Is on or about Jan. 1st	841
98415	5/23	Mare Is. 5769	Requests instructions be issued for uniform counting of words; compound names to be counted as one word.W Fwd Supt Radio.5/31.	
99613	6/12	At. Flt	Communication between ships by radio, commends personnel and directs that messages between ships during exercieses be given prededence over Flag ship messages to shore stations.	493
101257	7-1	Supt. Radio	Circular No.19; giving re-classification of and changes in rates.W	
101424	7-11	Dept	REGULATIONS: rules issued that cable address to be used except where forwarded as domestic telegram.	914
103163	7-31 8-5 8-6	Pac.Coast Cod Fish Co Humphrey, Hon. W.E. Dept	Fwds protest against prepayment of. W	
104039	8-20	Supt Radio	Extracts from report from ILLINOIS on long distance messages caught by that vessel.W	

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MESSAGES 892

Number.	Date.	From or To—	Subject.	
103848	8/16	Dept	TESTS, fwds corres. from Marine Corps stating that cost of sending test messages via Federal Tel. Co to Honolulu exceeds present rate via cable.	903
104113	8/19	Dept	ADMIN: directs radio messages be sent & received by Telegraph Operator.	600--2
105952	9/18	"	RADIOGRAMS, confirmations to be mailed immediately after message is phoned	600--2
104134	8/16	Sup.Radio	Sending of messages and payment for same, revision of regulations, in accordance with London Convention.	914
104364	8/25	Supt.	ARLINGTON: reports from SS K.Wilheim hearing signals distance 1600 miles.	841
104337	8/25	M.Is.	Can communicate with ALASKAN by night, day communication un reliable.	895
104459	8-25	Supt Radio	Circular No.22 covering the forwarding of commercial and service messages thru coast stations. W	
104517	8/26	Supt.Radio	ARLINGTON: fwds report showing ARMY STATIONS in West which have been catching time signals.	841
107522	10-1	Supt Radio	Circular No. 29; covering multiple addressed counting of workds, etc.	912

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Number.	Date.	From or To—	Subject.	
82973	11/16	C.O.	TACOMA: reports catching messages and report on set.	425--6
83308	10-21	MARYLAND:	Reports on long distance intercepted. W	
83307	10-21	CALIFORNIA	ditto	
83829	11-5	MARYLAND	ditto	
83838	11-5	CALIFORNIA	ditto	
83904	11-24	Pac.Flt	ditto	
84008	12-2	Marconi Co	Complains non delivery of commerical message sent thru Beaufort. W To---Fwd Radio.12/3.	
85887	12/18	M.Is.	Reports on success of station in catching long distance messages: Norf., New Orleans, Arlington, and shore stations on Atlantic Coast.	818
			1913	
87437	1-13	Atlantic Com.Co.	Reqt. schedule of rates for commercial messages at 6 stations which will be opened for handling Jan.15th. W. Fwd Supt Radio.1/14.	

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MESSAGES 892

Number.	Date.	From or To—	Subject.	
87912	1/20	To M.Is.	Radio service for offical messages from Honolulu to San Francisco. Use of Federal Telegragh Co's radio instead of cable.	903
88544	1-17	M.Is	Recommends commercial work with Cannery stations be handled same rate as given ships.W. Fwd Supt Radio.1/25	
89078	1/24	WYOMING	Fwds intercepted radio messages.W Fwd Supt Radio.2/1.	
90471	12/28	Asiatic Flt	Reports marked improvement in radio communicationComdr-in-Chief Shanghai and communicating with Cavite & Peking.	495
91592	2/26	M.Is.	TEST: submits additional data on secret investigation of messages FEDERAL TEL.Co. between Honolulu and San Francisco.	903
91736	2/17	Honolulu	Federal telegraph Co. reports on messages	903
92293	3/12	M.Is.	Federal Tel. Co. services with HONOLULU regular and reliable at night, day communication possible under favorable conditions.	903
92728	3/12	M.Is.	Federal Tel. Co. report on investigation of communication between California and Honolulu.	903
92538	3/1	Pac. Flt	Reports COLORADO intercepted message while off Manzello being sent from HONOLULU	903

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Number.	Date.	From or To—	Subject.	
76291	8/21	To Western Union T.Co. Postal Tel.Co. United Fruit Co.	Requests set of forms having to do with main office accounts and inter-company accounting, for use in preparing instructions relative to placing certain naval radio stations on a commercial basis.W	
	8/24	United Fruit Co.	Have instructed auditing Dept.to fwd forms.W	
	8/26	do.	Fwds copies of forms used,etc.W To United Fruit Co.Ack.8/26. To-United Fruit Co.Acks.8/29	
	8/29	Western Union T.Co.	To Western.Ack receipt of forms.9/3. To Western.Fwds copies of bill, 3.6412. 9/3	
77755	9-9	Marconi Co.	Accounts of messages handled by San Juan; reqt. be sent to NY in lieu of Balto office.W To-- 9/11	
77796	9-10	Nat.Elec.Sig.Co	Gives list of stations, call numbers,etc. in connection with Navy handling emergency messages.W. Fwd Dept. 9/11	
78384	9/13	M.Is.	Reports communications between M.Is. and stations in Alaska, also picking up Cape Cod.etc.	818
78636	9/23	To N.Y.,Pug.Sd,Key West.	SAN JUAN STA.Tatoosh Island, Key West, Opening to commercial business of, asks capacity of plant.	
		To M.Is.	N.HEAD,San Diego, &Alaska, do NY for San Juan.9-28 Key West 9-30 M.Is. 10-11 To M.Is.appr.temporary addtl aerial.10/22.	
79200	9/24	M.Is.	EUREKA, reports catching station in JAPAN also Unalga.	837
79312	9/28	At.Flt	For shore stations, recommends instructions be issued for relaying messages thru nearest station instead of trying to send direct.	914

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MESSAGES: 892

1912

Number.	Date.	From or To—	Subject.	
80299	10-15	Marconi Co	Reqt. Diamond Shoals Light Ship discontinue sending reports to Atlantic Lumber Co. W Fwd Dept.10/17.	
80537	10-17	Weather Bureau	Fwds copy of bulletin showing number of messages sent and received from Merchant ships,etc. reporting weather conditions. W. To---ack 10/22. Weather Bu.11-4 Weather Bu. 12-16	
81738	10/23	San Diego	Reports on ability to overhear UNALGA, St.Paul, Dutch Harbor.	830
81807	11-4	Washn Radio	Fwds copies of messages caught from new University Station Michigan. W.	
81598	11/1	Pensacola	ARLINGTON: reports hearing	841
82246	11-2	NASHVILLE:	Reportson radio communication across Central America. W.	
82369	11/11	Nav. Intel.	Fwds translation re transmitting each word twice in sending wireless messages.	857
82672	11/15	To M.Is.	Family of Rear Ad.Sotherland desirous of communicating with Ad Southerland by radio from San Diego station. Instructions.W	

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MESSAGES: 1912

Number.	Date.	From or To—	Subject.
65820	4-8	Boy Scouts of America	Reqt. Brooklyn yard be authorized to send message to their demonstration station at Ypsilanti. W To---, Fwd NY. Instructions.4/10. RB 4-17
65567	4/4	Hart, Robert M.	Asks if radio stations Boston and Newport were in communication on March 28th. W To---Bu unable to inform. 4/8.
66774	4/20	TO SALEM & CHESTER	RADIO communication of, and S.S."Carpathia." Request information as to difficulty experienced, distances; also shore stations communicated with,etc.W
67190	4/24	SALEM	Gives stations, positions,etc. of when trying to get into communication with "Carpathia".W
66956	4-22	CHESTER	Reportson difficulty in getting into communication with Carpatha. W
67832	5-3	NY 833-8	Reports radiograms intercepted by Fire Island stationbetween Vice President and Mr. Marconi on Kaiser Wilhelm. C
69407	5-3	NY	Fwds copy of messages intercepted from Marconi Co to Marconi on board ship. re station Honolulu.W
69661	5/20	Mare Is.	Reports messages intercepted by Eureka Radio Station.W

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MESSAGES: 892

1912

Number.	Date.	From or To—	Subject.
71759	6-17	United Wireless Tel	Reqt. Navy Stations send list of all paid messages received.W Fwd Dept.6/25.
74182	7/16	Colon	Reports communicating with ships across Isthmus.W
74460	7/26	Weather Bu	Fwds statement of radiobrams received at Key West, St.Augustine and Jupiter that appear to have been sent somewhat late after their receipt.W To---comments.7/31. To - Fwds. replies from stations to complaint. 8/12
75661	8/1 8/12	San Juan NY 1215-33	Fwds report of paid messages handled for the United Wireless T.Co.-W To-Marconi W.T.Co. 8/14 Ref N.Y. 8/14. Marconi W.T.Co.8/19.Fwds duplicate;original addressed to Navgn.W To NY.Instructions.8/21.
75721	4/19	Newpt Torp.Sta.	Reports inability to exchange messages with the CARPATHIA relative to the Titanic disaster.W
75980	8/16	Marconi W.T.Co.	Requests instructions be issued to Naval Coastal stations to send copies of all messages sent or received.W
76391	8/22	Marconi W.T.Co.	Gives name of representative at San Juan radio station, and requests be instructed to furnish all copies of messages sent and received.W To-N.Y. directs San Juan be instructed of representative 8/23 To-Co.8/23

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MESSAGES.

Number.	Date.	From or To—	Subject.
56947	12/21	FLORIDA	Fwds correspondence with operator at Duluth, Minn., United Wireless Co., showing message from FLORIDA was intercepted by that office. W To---Noted.12/30.
			1912
57384	12/29	United W.T.Co	Asks if Dept. arrange to handle prepaid as well as collect commercial. W To---Will arrange to accept.1/2. Fwd Dept. rec arrgts be made.1/2.
58477	1/12	Telefunken Co	Regt. to be informed what stations on Atlantic Coast are prepared to accept prepaid messages. W To---Fwds copy of reprint from Pilot Chart of NO.At.Ocean. 1/13.
58614	1/13	Telefunken	Regt. confirmation of report that Norf and M.Is. communicated by wireless and asked makers of sets. W. To---Confirmed.1/16.
58669	1/12	United Wireless	States their Hatteras station in commission; not necessary for Diamond Shoals and Frying Pan to receive for that station. W Fwd Dept. 1/18.
35372		SEE CARD #2	Quarterly report of wireless messages. To Narr.Bay. & Washn. Log book for quarter ending Dec.31st did not contain new form. Blanks forwarded to be filled in. 1/17. BLRB1-25 Ret Narr.Bay.1/25. To Ports.Fwds blank "Quarterly Report of Messages" to be filled in and ret.4/20.

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MESSAGES: 892

Number.	Date.	From or To—	Subject.	
58854	1/8	M.Is Wireless Sta	Reports long distance messages caught. W To---Noted with interest.1/19.	
59193	1/20	Telefunken	Reqt. instructions be issued to Beaufort and Chasn. to turn commercial messages be over to Western Union.W. Fwd Dept. 1/23.	
59387	1/23	Telefunken Co	Reqt. Colon and Guanatanmo stations turn over commercial messages to C & S.A. Tel.Co. W Fwd Dept. 1/24.	
59888	1/22	Annapolis W.T.	Reports, caught from Signal Corps, Exp.Sta College Park.W	
61160	1-31	Noble, K.	Reports catching message from light ship and asks why Norf comes in louder than Phila; and if new call books are out.W	
61581	2/17	Pacific Fleet	Recommends that vessels of fleet be equipped with 5 kw in lieu of 2 kw sets, invites attention to expeditious delivery of messages from S.DAKOTA to Navigation(20 minutes)	494
62970	2-29	MIs 273	Reports in communication with stations in Corea; also San Diego, At.Flt. stations, etc. W To---Notes with interest.3/9.	
63828	3-12 3-16	State Dept Nav.Intel	Exchanged bewteen US and Morocco; payment will be adjusted thru Navy Dept. W	

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MESSAGES:

Number.	Date.	From or To—	Subject.	
44127	7/17	Postmaster General	From trans atlantic steamers; asks what methods can be arranged for fwdng reports to Postmaster/ N.Y. W Fwd Dept. Gives list of stations prepared to handle commercial telegrams. 8/2.	
44983	7/31	To Ports	W.T. reqt report on message received with Marconi apparatus from Marconi ships & sta.	832
45539	8/2	United Fruit Co	MERCHANT SHIPS & STA: fwds tarrif schedule for receiving & transmitting meassages.	891
46908	8/22	TO Colon	Reqt. weather Bureau confirmations besent direct to them. W	
48540	8/27	M.Is	Reports catching message from SS Persia 2461 miles west of San Francisco. W	
48846	9/12	M.Is	Fwds report from Sitka & other Western stations on messages. W	
50558	10/6	Ports	PORTS STA: Marconi apparatus; reports messages caught from Marconi stations with.	832
50703	10/5	San Francisco Train.Sta	Reports picking up message from Japanese vessel at distance 2200 miles. W To---Acknowledgment. 10/28.	
51676	10/21	Telefunken W.T.CO	Reqt. confirmation of long distance, received by Newport Torp. from Colon. W Fwd Narrag. Bay. for information. 10/28. To--Quotes from report recd. 11/9. Fwd Narr Bay. Reqst print of ground connections, etc. 11/17.	

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MESSAGES: 892

Number.	Date.	From or To—	Subject.	
52736	10/30	San Francisco Train Sta	Reports receipt of mes sage from Honolulu. W	
53345	11/6	M.Is	Reports long distance received from Key West, Colon, etc. W	
53472	11/7	Telefunken Co	R ports messages sent SS Moltke from Nav. Station; reqt. auhority to collect tolls. W To---Personnle of stations not auth. to handle money.--Fwd Key West. for comment. 11/18.	
53670	11/14	Newport Torp.Sta	RB 12-9 To--Reports re messages. 12/22. Fwds copy intercepted messages sent Key West by M.Is. Y	
53761	11/15	Colon	Reports messages with M.Is. and M.Is & Newport. W To--Report longest sending wave length to which transmetter may be adjusted with facilities at hand. 12/1.	
54257	11/10 11/22	Fire Island NY Comdt.	Reports hearing time signals from Ireland and Colon. W	
55797	12/9	NORTH DAKOTA	Reports intercepting of messages from Mare. Island. W To--Notes. 12/12.	
55992	12/7	Yerba Buena	Reports on long distance messages intercepted from Honolulu. W To--Comments. 12/21.	
56546	12/13	Colon	Re long distance wireless messages; states longest sending wave length for which transmitter can be adjusted is 3,000 meters. W	

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MESSAGES:

FILE No.	From or To— (Dated)	Subject.	
36428 4/13	Key West	report of communication with Birmingham and states in order to communicate with Guanatanamo, have to work through ship.	817
37092 4/21	Pug.Sd	Quarterly report; reqt. instructions re counting of words.W To -- Gives instrns.5/3.	
37537 3/24	C.O.	PADUCAH; reports on failure to receive message sent from Dept	329--6
37719 5/2	Navgn 49803-74	French steamer Flouge reports hearing Cape Race W. . Station, 735 miles with 1/4 HP apparatus. W	
37373 5/9	C.O.	MARIETTA: reports on 450 mile message rec'd	278--6
38252 5/10	To YARDS & STATIONS	"Quarterly Report of Messages"; Copies fwd.W	
39241 5/12	Norf.W.T.Sta	Corrects position given by SS CITY OF MONTGOMERY in connection with message from.W	
39417 5/15	American W.T.Co.	Fwds report of wireless operator of SS ADRIATIC on communication with Newport Wireless station. W Fwd Narr.Bay. for comment. 5/23.RB 6-5 Fwd Dept via Nav. 6/7.	
41891 6/22	Telefunken W.T.Co.	Asks if certain stations are taking commercial business, and if so, rates. W Fwd Dept. 6/24.	

FILE No.		From or To— (Dated)	Subject.	
33582	3/9	C.O.	SALEM: states limit transmitting 271 miles: receiving 350 miles by day, transmitting 700 miles, receiving 800 by night. If possible will purchase wire for new antennae	384--6
34013	3/17	United W.T. Co	Asks if Washington Station would be allowed to handle commercial messages from steamers at that point. W. Fwd Wash. for comment. Bu favors handling of commercial work by shore stations. 3/18. R.B. States commercial messages should be restricted to emergency calls. 3/23. Fwd Dept. Rec Wash Yd handle this commercial work. 3/25.	
34492	3/22	Marconi Co	States will sent operator to Key West to assist in receiving; Opening station at Cape Cod will interfere with business of that Company. W Fwd Key West for comment. 3/25. RB 4-18	
34993	3/25	Mare Is.W.T.	States in communication with Honolulu on 24th instant. W	
35372	4/5	To W.T.Stations	Quarterly report of wireless messages. Blanks forwarded to take place of page 107 in log book. To Guantanamo & New Or. Reqst report. 7/7.	CARD 5 BLRB 7-[illegible] -n.o.
35838	4/8	Nav.Academy	Fwds list of messages received and sent. W	
36274	4/14	Washn 23-33	Handling commercial messages for United W.T. Co. Asks who will bear expense of telephoning. W Ret -- Instructions. 4/29. R.B. reqtg what appropriation to be charged to. 5/4 Fwd S&A. Gives information. 5/6. RB 5-13	See below
36282	4/8	WHEELING:	Relative to wireless communication with Key West and Swan Island. W	
36274	5/13	See above	Ret Washn. Only local messages are to be telephoned. 5/13. RB 5-17	

MESSAGES: LONG DISTANCE: WIRELESS;

FILE No.		From or To— (Dated)	Subject.	
28648	12/30	At.Torp.Fleet	FLUSSER exchanged with Key West; distance 950 miles	
29694	1/21	Ports	PORTS: reports communication with San Juan.	832
29693	1/21	do		832
30510	2/11	Key West	United W.T.Co. requests to be informed if Govt will handle their wireless business at Key West & Chas. (rel clerk & messenger hirer)	891
31938	2/5	PADUCAH	Reports overhearing Marconi at South Wellfleet while at anchor at Guantanamo Bay. W To -- Ack.letter 2/21.	
32069	21/15	Key West	Fwds correspondence from House of David, Bennet Harbor, Mich. stating Key West Messages have been copied by that Station. W Ret -- No objection to information being given 2/25.	
32550	2/27	Marconi W.T.Co	Enters protest against Govn. stations accepting messages for transmission free of charge commercial or otherwise. W To -- Reqst what stations would be interfered with 3/1.-	
32748	2/13	M.Is.	M.Is. Wireless sta. reports overhearing Japanese station. W To - acks 3/4	
33008	3/4	Marconi W.T.Co	Recommends against use of Naval Stations for commercial business free of charge; states would interfere with work of commercial companies. W To -- Key West prepared to handle commercial messages; suggests Co.have representative at Sta.to facilitate this business.	

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METERS GENERAL 1922

Number.	Date.	From or To—	Subject.
638662	8/17	Anacostia	Frequency meter for use in conn with audio frequency work- fwds photo of with comments on W.
640973	8/18	Jno. Firth & Co.	Fwds pamphlets describing Seibt capacity bridge also frequency meter. W.
641775	9/8 9/13	13th Dist. PCCS	Request assistance in tracing Weston ammeter removed from Navy type panel set. W. Fwds Phila 9/28, RB 10/19 W Fwds 13 Dist 10/23
642081	9/28	To Societé D Appareils De Mesures Paris	Bu is interested in obtaining the electrostatic voltmeter Szilard type W

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METERS GENERAL 1922

Number.	Date.	From or To—	Subject.
645294	10/14	To S&Ahn 1300	Rqsts shipmt of wavemeters from Washn to Pearl Harbor W RB 5/12 W
647133	10/26	Phila	Rqsts specifications covering radio frequency ammeters W. To Phila- Bu is withholding instrns 11/1 To GE Co- Reqsts meters be submitted To Washn yard cc Phila-Washn 11/1 GE Co.- Ask if additional meters are desired for test. 11;3 W. Phila 12/18 W. To GE Co - appvl of meters cc Phila- S&A 1/3/23
652291	11/20	Coco Solo Sub Base	Submits inform rel to Matthews Woodpecker Telefault used by Panama Canal Base Force. Could save money if one were used. W To W N Matthews & Bros.- Reqsts copies of catalog be furnished 12/9 W.M.Matthews and Bros 12/13 Submits quotations W Fwds Ids & Docks 12/16
Eng Req 45-	12/22	To S&A	12 standard thermo-galvanometers; estimated cost of cc C-I-C Battle Fleet- Comdr Scouting Fleet- R B

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METERS: GENERAL:

Number.	Date.	From or To—	Subject.	
609637	2;18	To Inspr GE	Reqt action be taken to have GE Co mfg Model "DO" meters gives shipping instrns- Inspr GE- Motor will be packt separately from panels in shipt. 3/7 W	2;18-W
618169	4/13	To S&A 49	Reqst shipment of mat from Washn to Newark W	
625364	5/25	Washn.	Lists meters submitted by Westinghouse E/M Co. as test samples. W.	
625554	6/29	To Weston Elec Instrument Co	Reqsts Inform on ammeters W L. D. Joraleman -mHave requested facty to furn prints. 5/31 W. L.D.Joralemon 6/20 Fwds bulletin describing ammeters W Fwds CO Anacostia 6/29 RB 8/4/22 W.	

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Number.	Date.	From or To—	Subject.
628216	6/5	John Firth & Co	Calls attention to Seibt capacity meter & frequency meter W To J Firth & Co- Bu is interested- reqsts inform cc Radio Test Shop Washn 6/29 John Firth 7/6 Fwds descriptive matter W To Washn- Fwds treatise on Seibt Frequency meter 7/13 Wash 10/27 Report on test of Seibt frequency meter W To J Firth & Co- Quotes from test of report 11/9
634836	7/25	Westinghouse E&M Co	Fwds outline drawings of self contained radio ammeters W To Washn- Fwds Vandykes 9/13
603675	FROM CARD	24	Washington- Comments on. 8/14 W To Washn- gives instrns rel shipment 12/20

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METERS ;GENERAL

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Number.	Date.	From or To—	Subject.
588153	10/3	To Washn	Reqst be supplied with sketch showing the dimensions of the terminal lugs on 40 ampere radiation meter W Washn/ 10/7 W.
589096	10/12	To Washington	meters- Desires comments from Washn yard before changing specens W Washn- Recommendations 10/13 W
590188	10/13	Washn.	Test of type DO meters furn by GE Co. for EE tube transmitters- report cov , W.
590921	10/20	To Westinghouse Elec Co	Reqsts records be corrected as listed W
592376 OVER	10/26	To GE Co	Fwds report cc Washn- Inspr GE W Inspr GE 11/3 W Inspr GE- Contractors are repairing type DO meter. W. Inspr GE- 11/29 W. To Washninstrn rel test of sample 12/10
593664	11/2	To S&A 9096	Reqst shipmt of mat from SO N1 to Washn W RB 11/18 W RB 12/10 W.

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METERS: GENERAL 1921

Number.	Date.	From or To—	Subject.
593665	11/2 RB - 3/10/22 W	To S&A 9097	Reqst shipmt of mat from Phila to SO Washn W To Phila- Reqst shipmt be expedited cc S&A- Washington 11/16
592376	FROM OVER		Washn. Test comleted. 1/6 W Washington 6/22 Report on test W To GE Co- Will be approved 7/1 W cc Eng Matl Comdt Wash. GE Co.- Will furn inform promptly. 7/6 W G Co./ Fwds outline drawings with comments on. 10/9 W.
603675	1/11	To Washington	Fwds by messinger a 10 mi-ampere s scale flush mounting type instrument made by the Splitdorf Electrical Co- Reqst test of be made W Washn- Report on test of Splitdorf Ammeter. 3/31 W To Washn-- Ack receipt of meter will return same to The Splitdorf' Co's Rep 4/10 To Splitdorf Elec Co- Gives changes in constrn of meters recommended before placing them on appvd list W 4/12 to Washn- reqsts comment 8/2 W
TO CARD 25			

cross

METERS: 1921

Number.	Date.	From or To—	Subject.
548152	2-26	To S&A	Reqst shipmt of ammeter from Washington to N.Y. GE Co W 6431
548153	2-26	To S&A	Reqst shipmt of radio material from Wash to Beth. Reller Smith Co W 6432
552338	3/17	GE Co.	Request instrns rel to submitting sample of 3/12 " meters for test. W.
	Fwd Inspr GE 4/4		Fwd Washn 3/21 RB 4/2 W
552400	3/14	Inspr Fed	Subm report on thermo ammeters with current transformers for high power radio stations. W.
	To Wash—Reqt construct model transformer. 8/8 W		
	Wasn-Recommends conf.ar radio test shop.8/29 W		To Washn Reqst Inform 4/1
554516	3/30	Washington	Fwds specifications for audibility meters. W.
539860	FROM CARD 22		Washington 4/18 Comments on. W. Ports-Subm report covering meters in store.4/19 W MI 4/15 W. Boston- Estimate cov over haul of instruments. 4/20 W. Pug.Sd.-Report cov meters.4/20 W Chasn. 4/21 W. NY-Fwds list of meters in stock-4;28-W Phila- Inform rqsted.5/6 W. Chawn- Subm list of indicating instruments used. 10/8 W
560075	4/28	To Weston Electrical InstCo	Reqst company quote price and delivery schedule on new meters in lots of 10-25-100 ;Reqst inform W Weston Elec.Instr.Co. 5/4 W. Weston Elec.Instr.Co.Rqst action.5/23 W. To 6-3

4—3381

METERS: 1921

Number.	Date.	From or To—	Subject.
566129	6-2	To Pacific Fleet 494	Radio telegraph- tertiary standard wave meters- W
567524	6-6	To Firms Roller Smith Co.-Subm inform requested. 8/9 W. Spitdorf Elec Co-ask if Bureau desires any special scale reading-12;8-W	Rel revision of records of meters. Fwds specfns reqst info W Roller Smith Co. 6/9 W Weston Elec. Instr. Co. 6/9 W Spitdorf Elec. Co. Fwds booklet describing leaders. 6/28 W Roller Smith-7:11-W Westinghouse E&M Co-furnishes information reqtd-7:12-W To Weston Elec Ins Co. 7/20 Weston Elec Ins Co-7:21-W Weston Elec. Instr. Co.-Ask if further inform. required. 7/30 W.
577462	7/25	Longstreth & VanDyke	Rqst authority to subm leaders listed for test. W. To Wash—Reqt test meters. 8/9 W To—8/9 W Washington 5/18/22. W.
577863	8-1	To S&A	Reqst shipment from Bureau of Standards to Washington W 8358
580489	8-15	To S&A	Reqst shipmt of material from So Brooklyn to Charleston W 8481 RB 9/21 W
583410	9/6	To Washn ~~Rel-to~~	Rel test of meters- policy and specens for Radio meters W
584391	9/9	To Washington	Policy and specens- rel meters W Washn- Report on test with recommendations covering ammeters and current transformers. 1/12 W

METERS 1920 DUPLICATE 22

Number.	Date.	From or To—	Subject.	
507389	7-26	To S&A	Reqst shipmt of 2 termo couple radio frequen ammeter from Phila to Bur Standards serial number 3827 RB 8/16 W	W
518442	9-28	To Bureau Standards	Radio research problem- assignment of. 85- class A covering feasibility of applying current transformers for use with standard radio frequency ammeter To Bur Standards 1-6 Bur Stand 1/13- Fwds special report, 1/13 W	W
520838	10/6	To Norfolk	Acknow receipt of quarterly inspection reports for 5th Naval Dist.	W
520995	10/6	Fwd Washn	Repair of thermo type ammeters W RB 10/14 W Pug.Sd.- Request ships and statinps on West Coast be directed to turn in their thermo air meters to Pug.Sd for repairs W. 9/30	
524669	10/21	Anacostia	Report on test of modified type of variometer W	918
532751	12/3	Westinghouse E/M Co.	Ask if will wave specifications, stating no nickel trimmings shall be used on instruments. W. To Westinghouse- Gives detld inform 3/15	

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N.S.E. Form 134.

METERS 1921

Number.	Date.	From or To—	Subject.
540006	1/10 N.Y. 7/27 W	GE Co.	Request authority to subm samples of new type Thermo couples. W. To GE Co 1-13 To N.Y. 1-17-21 To N.Y. 7/16
539866	1-14	To N.Y. Weston Elec. Instr. Co. 2/10 W	Rel manfg of radio frequency ammeter thermo couples- W N.Y.- Subm estimate of coast to manuf 1/27 W To Weston Elec Ins Co. reqst data in corn ammeters 2-4-21
TO CARD 23		To Comdt's- DM'rs 'ards- reqst be furn with list of meters used with apparatus	
543431r	1/28	Westinghouse E/M Co.	Subm comments on specifications for meters. WS.
544463	2/2	Dept	Fwds beneficial suggestions of R.H/Stein N.Y. Yard cov thermo couples. W. Fwd Dept 4/9/21 RB 4/13. W.
548151	2-25	To S&A	Reqst shipmt of radio material from Washington to Waverly Park Newark NJ Weston Elec Co W 6429
548154	2-26	To S&A	Reqst shipmt of radio matrl from Washington to Cambridge General Radio Co W 6434
548368	2-26	To S&A	Reqst shipmt of thermo couple from Washington to N.Y. Western Elec W 6437
548367	2-26	To S&A	Reqst shipmt of thermo milliammeter from Wash to Phila W 6436
548155	2-26	To S&A	Reqst shipmt of thermo millia from Wash to Cambridge Rawson Elec Co W 6435

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[OVER.]

Number.	Date.	From or To—	Subject.	
443053	8;29	Bu Stand	Sub report of radio tel, GEN Radio Co to De Cade, type 193. W Fwd Washn 9/4	
48215	9/19	Washington	Copy of letter to Lowenstein Co. reporting on sample Weston ammeters, subm.	629
449300	10;15	Hewitt Rubber Co CANCELLED	Asks if shall ignore specifications.	
452821	10;13	M I	Reqst fwd test curve for Kenotrone tubes. W To M. I. - Fwds test curves of Kenotron Tubes. 10;31	
475820	2/5 2/12	Westinghouse E/M Co. Norf.	Meters rejected because some were not front connected as called for by specifications. Co.'s representative understood Bur representative to state rear connected satisf. W. Fwd S&A 3/18 RB 4/5 W. S&A 4/21 W. Fwd S&A 4/27 W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
483021	3/22	Washington	Standardization of meters for marine tube transmitters; recommendations covering. 896	W.
FSB 1215 NSA	4-22	To F.S.Base	100 ammeters radio frequency scale 01 type CAY-1434(Westinghouse) for Mare Island stock. Estimated to cost $1800.	W
490821	4/30	Naval Intelligence 652	Bolometer and measurements of alternating current- fwds report recd from French Naval Attache -4/30-W	
496363	5/26	Pacent Elec. Co. (ERROR SEE 898) SEE 898 To Gives action 10-28 To Pacent Elec Co Reqst inform 12-29/31/20	Fwds bulletins describing Dual lateral inductances. To Washn. reqst subm to test 7/14 see— 898 To Pacent Elec Co. will fwd upon completion	W.
Pacent Elec.Co.- Will subm coils.3/28 W 496433	6-1	To S&A	Reqst shipmt from Chicago to Dept Washn radio appr. W	
501220	6/22	Inspr Brook.	Lock washers and connecting studs for radio apparatus- Ask if Bur will accept plain washers. W To Inspr Brook may sub 7/2 Inspr Brook- Copy of action to Weston Elec. nstr.Co. 7/7 W.	

METERS:

Number.	Date.	From or To—	Subject.	
386202	From Card 18		Phila-Req GE Co be informed that thurmo elements are req at once. To Phila- asks fwd info re approx number of meters found defective be fwd 4-5 To GE Co- asks info when first shipment will be made re above 4-5 GE Co - Req be informed def number of thurmo couples to be replaced. 4;14 W GE-Req status of repairs. 4;22 To Phila- fwds cy of letter from GE Co 5-5 To GE Co- reqst cy of letter of 4-14 5-15 National Elec Co- 5;16 Genl Elec Co-Fwds copy of letter of 14th. 5;17 To Phila- confirms info re inspection of tele hones on vessels 5-24 Phila- 5;29	
406185	4;14	G E Co	Comments on proposed revision and spec for portable direct current meter. S Cross to 671-17	
NSA 552	4-17	To Inspr Brok	Acceptance tests on radio frequency meters. W	
416142	5/6	MI Tel	Express one radio frequency amplifier and compensator audibility meter for sub experiments North Isl. W	875
417098 417908	5;7	Weston Elec Co	Fwds leaflet describ instruments mfg for direct currents, asks if will meet Bu spec. W To- suggestion re changes 5-23 Weston Elec Instrument Co-Reqst action. 5;22	

Number.	Date.	From or To—	Subject.	
421662	6/4	Alberger Pump & Cond Co	Fwds pamphlet describing Hammond Wave Meter- Keuffel & Esser 8/5 Cannot supply Natl Meter Co 6/5 Asks how many pistons meters will be required- Hersey Mfg Co 6/4 Copy of shpmt order covg 83 venturi tubes from Boston to Washn Yd- DA	736-4
426784	6;19	Roller Smith Co	Reqst be given consid in placing cont for radio freq ammeter.	W
427651	6/24 N.Y. NY-11;29-W	To Officer in Charge Stations, Comdts Monthly power report.10/22 W	Making arrangements for installn of recording ammeters and volt meters of Bristol type for arc gen leads at stations listed W Annpolis-Sub report power consumption. 7;14 Cross to 920 - 1. W Sayville 9-11 (T) Instruments recd- Operate satisfactorily- Will make monthly report when clerical force allowed. W Sayville 9-11 States instruments recd and installed by Sta. force.	
434351	7;21	Bu Stand	Asks if dynometer loaned to Bu has ever been returned, states have no record of receipt. W To Wash- req obtain instrument and del to Bu Std 7/31 Bu Stand- Log 8;7 Dept Commerce 8/19 Ackns receipt	

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1919

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METERS:

Number.	Date.	From or To—	Subject.	
388005	1:1 1:2	Laf Station Com	Report of improvement on radio sig. To Lt W N Fanning- corresp should be fwd to Bu thru official channelsp asks sub furthe info re 6-6 13th Dist- Fwds correspondence in conn with improvement in radio signalling. 10/13 To Lt Fanning via Puget Sd req subm further into 10/29	W
394746	1/27	Eurip Forces	Fwds one galvanometer mfg by Walters Elec Mfg Co London L	671-8
383748	2-26	To John Firth	Asks have Doctor McCae supervise test of in terference preventer and reqst info re date- Washington-Reqst test be cancelled' 11:7 To Wash canc of 11/10	
399391	3-3	Lowenstein Co	Proposed schedule of deliveries for Roller-Smith instruments satisfactory -	
399053	3/1	Naval Intel	Fwds copy of ltr from Naval Attache Spain in conn w waive meters and decremeters for work for Sanish Navy W	652

To Wash yard. 1-13
Washn- Recommends problem 39 b4
cancelled- 12/14 W.
To Washn 12/20/20

See 383748 394746

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[OVER.]

1919

Number.	Date.	From or To—	Subject.	
39 9427	2-28	Inspr Brook	Confms phone conv sn directing inspection and tests on matrl from Western Electric Instrument Co be made on DC circuit-	
35316	3/28	Inspr Chic	In connection w disposition of discarded ammeters WR	629
400966	3;8 To-Weston Co- Dept 4-16	F E Gilbert arrangment satis to	Asks if interchangeable couple on ammeter nec, will be dif to instal. To FE Gilbert Weston E lec Co-(cc) re arrangement made with engr Weston Co re design of instrumen 3-21 Weston Elec Co-Req recs relative to to disposition of material. W 4;7	W
402192	3-15	To Phil	Request shipt of material from Washington to Phila. To Phila Info req status of SO of 3/15 to Ph shipt to Yd Wash of two Weston microfarad meter W ~~Phila~~ 5/22 Phila 5/29 Phila 6/12	
NSA552	3-19	To Brooklyn	Acceptance tests on radio frequency ammeters R W	
406185	4-1	To GE Company	Asks comments re proposed revisi on of specfns instruments. To Weston Elec Co ditto 4-1 Weston Elec Co- 4;15	

4—3381

METERS:

Number.	Date.	From or To—	Subject.	
363472	10;28	West Elec Co	Sub infor redefective thermo ammeters that have accumulated at New York, make ammeters with external limits exchangeable, etc. W	
365326	10;30	Jewel Elec Co	Fwds cat covering elec instruments, req apparatus to sub quotation to Governor. To Jewel Elec Co acks catalog 11-15	
366971	11;7	Roller Smith Co	Req infor as to bureau requir for future on 2 and 5 kw radio frequency ammeters. W To—re instruments needed 11-15 To—in re above 11-15	
367572	11;1	Marconi Co	Copy of let to West Elec Co, give schedule of delivery to be fol out on meters. W	
370066	11/20	To Phila	Asks recs re connection of potential leads of wattmeters on standard Navy Radio Switch boards covering points listed. W.	900

N.S.E. Form 134. 893

METERS:

Number.	Date.	From or To—	Subject.
372073	11;22	3rd Dist	Req be sup with decometer and waive meter Shipment order 11/27 R.B. 11/16
372673	None	West Elec Co	Fwds sug covering instal of Western thermometer when equip with heat. W
369745	SEESCARD 42		To Phila- Asks that duplicates of "Instructions" for installations Calibration and operation of the Kolstermeter be fwded W
386202	1;14	G E Co CARD 20	Asks number of radio instruments which are in need of repairs, same will be repaired free of charge. To GE Co- no info at present 3-12 To G E Co-In ref to investigation of defects. 1;18 To Phila- Information regarding repairs. 1;18 Phila-Recs meters be compared at Phila. 1;20 2/17 GE-States can handle repairs of 100 instr per wk 2;26 Tests show instrument proposed by Westinghouse entirely unsatisfactory- GE failed to sub plans cannot meet requirements on galvanometer movements- Weston Elec Co aprvd, rec approv award-
		To—States that repairs to Radio tele. radiation meters can be handeled at the Yard instead of shipping back to manf. 2/5 Phila-States 1,000 thermo will meet req. W 2,11 Will make good defective instrmt To GE CO- number defective radiation meters has been investigated-	
NSA 949	1-20	Fwd S&A	

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[OVER.]

METERS:

Number.	Date.	From or To—	Subject.	
326613	7;9	G E Co	Detailed comments on changes rec. and specifications for meters. W To——Replies to above commenting on same 7/22 GE Co - 9;9	
329275	7/25	To Weston E.I.Co. (T)	250 cycle frequency & 4 amp. rad. meters preferably front connected. W Weston Elec Co. TEL: Unable to make frequency needed. 7;25 To——Reqts. that instruments be provided with stubs of the shortest possible length. 7/29 West Elec Co —Are proceeding with mfg of stubs. 8;2	
322591	7/26	To Westinghouse	States that ammeters & voltmeters referred to are covered by Requis. 152. W Westinghouse - E&M Co ---- Formal order from bureau not recd -- S	
330225	7/27	To Phila.	Asks if frequency meter available. W Philadelphia - 8;2 To Roller Smith Co. When instrument has fulfilled its purpose reqtd. it be retd. to Phila. 8/10 Roller Smith Co 8;14 Roller Smith Co - Copy of let to Ph. stat instrts. will be expidited. 8;21	
335235	8;7	Roller Smith Co	Sub information with quotation on ability to furnish couple radio frequency am-meters. W	
335356	8/10	To Phila.	Fwds. ammeter. Reqts. to inspect & advise. 8/10 Phila. Oct. 8 To Phila- Asks opinion re D.C.Ammeter manf by Splitdorf Elec Co 11-4 Phila - 11;15	
343059	8;29	Amer Patroll Detach 3rd Naval Com	Sub report of radio message received from unknown sources for direction finders aboard vessels W	
341897	9/9	Fwd. Wash.	Re test & report on decremeters. W	

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METERS

Number.	Date.	From or To—	Subject.	
347906	9;11	West Elec Co	Asks if A C meter 300 volt must be self contained. W	
348891	8;30	Cayey WRONG ENTRY	Req requisition be prepared, fuel oil lubricating oil and gasoline for station. W To Western Elecl Co Informs has authorized Inspr to accept dynamotors at awthorne plant without alinging pins and reqts report of operation with pins omitted 10-23	
348891	9;14	West Elec Co	Req inspec be instruc about dyomator without aligning pins. W To—— Replying to above. 9/18 To Insp. Chicago. Re elimination of Aligning Pins. 9/18 To Insp. Chicago. (T) Accept dynamotors 25 A employed with CW 9306 rad. tel. sets without aligning pins bew. end brackets & frames. 9/18 Inspr. Chicago Oct. 14	
349334	9;11	Ottercliff	Weston Elec Co- Comments on objection. Fwds report of unusual spark receptions W Fwd. Comm. 9/18	11;25
347946	9/18	To Weston Elec.Inst.Co.	Re difficulties encountered in manf. of voltmeter. W	
335287	9/19	To Inter.Rad.T.Co.	Gives instructions on spark transmitters.	W
749				

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[OVER.]

METERS.

Number.	Date.	From or To—	Subject.	
226709				
313037	6-5	To Sims	Encloses copy drawing RE 74A 103A (Western Elec Instrument) current squared meter type # CV878 - W To Phila- Ditto- 6-5 To Wash- Ditto- 6-5 To Firms- Encloses copy drawing RE 74A (Weston Elec Instrument Co sqtared meter type #CV 878) - 6-6 Westinghouse E & M Co. 6/8 Phila 6;25	
313883	6-7	To RollerSmith Co-	To Phila. Encl. blue prints & vandyke of drawing. 7/6 In re unsatisfactory meters furnishing Wireless Spec. App. Co- W Roller Smith Co 6/8	
316968	6/15	G E Co T	Rqst mfers name and type number covering ammeters for audiion control boxes. W	
317008	6/17	To GE Co. (T)	Filament ammeter drawing obtainable from Westinghouse. W	
317611	6/15	Mare Island	Fwds blueprints showing ammeter brackets. 893-1 To —— Approv. use of ammeter bracket. 6/28	

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N.S.E. Form 134. 893

METERS:

Number.	Date.	From or To—	Subject.
321268	6;26	G E Co	Reqst revised copy of specification covering radio instrument. W
322574	7;2	E J Simon Co	TEL. Final delivery of material from West. Instrument Co. by August 5. Necessary in order for company to make delivery.
322501	7-3	To GE Co-	Rqst best deliveries that can be made on meters mentioned- rqst descriptive bulletins-covering meters in question-W To Westinghouse Elec- ditto 7-3 G E Co - Fwds description of instrument. W 7;8 Westinghouse E & M Co. - Submits quotation 7;15 To---- Dels. not early enough. 7/20 West E M Co - Reqst advise New York Yard that instruments are being built for bureau. 7;22
325451	7;10	Weston Elec	10% increase on on thurmo meters due to decrease production. W
325677	7;10	Weston Elec Co	Submits reduced prices. W To ---- Ack. rect. of let. 7/17
324745	7/11	To Weston Elec.I.Co.	Proprietary requis. are being prepared for instruments listed to be manfd. by them with the requirements given in let. W

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METERS

Number	Date.	From or To—	Subject.	
302850	5-3	To Weston Elec Co-	Confirming phone conversation-in re conference on instruments—W	
304298	5-8	To Wireless Improvmenet Co-	Radio frequency ammeter CAR-330 -by Roller- Smith Co modofied as listed-W William J. Murdoch & Co. 5;10	
304309	5-8	To Elec Engineering Rea earch Div-	Endeavoring to standardize on switchboard instrmts- asks for any information of action taken in this regard	W
307121	5-16	To Weston Elec Co-	Rqst inform Bu if have instock for immediate delivery a thermo couple or hot wire ammeter, range 0-1 amperes-W Weston Elec Instr. Co. reqts instructions to change instruments to -I ampere. W 5;21 Weston Elec Instr. Co TEL. reqts disposition of ammeters in stock. 5;21	
307713	5/17	Weston Elec Instruments Co T	Ask if convenient for Lt LeClair to see C Brown Tuesday May 31st - W Weston Elec Instr Co - Request appointment. W 5-17	

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N. S. E. Form 134.

METERS 893

Number.	Date.	From or To—	Subject.	
306821	5-23	To Westinghouse Elec	Standardization of instruments -phone conversation-in re ~~volt~~ how carry ranges of the volt meter-ammeter and radiati n meter-W	
308812	5-22	To Westinghouse Elec-	Confirms understanding regarding transfer of 2 hot wire ammeters, range 0-1 ampers - W	
299739	4;17	G E Company	Ask if shall send meter expert to West for for conference. W	
309553	5/20	Phila	Rqst four portable radial ammeters. W To Phila- Auth--5-25	
317121	5-25	To Western Elec Instrument Co.	2 radio frequency ammeters have been obtained--W	
293071	5-27	See Card 13	To Norton Elec Instrument Co- Samples lost in transit- do you wish to submit another set---5-27-- W	
312712	6-26	Weston Elec Co.	Reports on reorganization of method of making repairs to instruments.	876

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[OVER.]

METERS.

Number.	Date.	From or To—	Subject.
293231	3/29	To Weston Elec Ins Co	Lists instruments, and reqts indicate which can supply with price covering. W
	Weston Co-Quotes prices.W 4-11		Weston Co-Submits quotations.W 4-3
	Weston Co 4-15		Weston Co-States can supply part of equipment required, from instruments made up for Russian Govt.W 4-5
To— 4/15	(T)Directs hold model voltmeter.		
293232	3/29	To Western Elec Co	Bu wants at once two 100000 ohm testing ringers or magnetos, and reqts earliest delivery with price.W
			Western Elec Co-Quotes prices.W 4-3
293233	3/29	To J.G.Biddle	Lists instruments which are wanted at once, and reqts indicate which can supply and how soon, with price. W
			James G.Biddle--submits quotations 3/30.W
			Jas G.Biddle--quotes prices.4/5
293234	3/29	To GE Co	Ditto. W
			GE Co - Submits quotations.W 4-3
294873	4/2	Norton Elec Instr Co	Meters and voltmeters reqt be sent to NY Yd for test-fwds print.W
			To--4/12
295955	4/6	Jas G.Biddle	Fwds bulletin descriptive Hickok protable D.C. instruments.
297332	4-9	Weston Elec Instr Co	Quotes price for Model 241 voltmeter for shipment to Washington. W
296638	4/11	To Weston Elec Co	Type CAR 874 refers to 4 KW wattmeter, Dimensions are Type CAR 855. W

N.S.E. Form 134.

METERS. 893

Number.	Date.	From or To—	Subject.
296595	4/15	To S&A	Reqt shipt of wave meter from NY to Wahs. W To ~~R~~ Reqt shipt of Telefunken wavemeter from Wash To adio Lab. NY. 4/15
298977	4/19	To GE C o T	Representative of Bu will confer with your representative at Lynn early next week. W GE Co-T-request be notified a day in advance re arrival of representative.W-4/19 To GE Co--(T) Bu representative at Lynn tomorrow. 4/22 GE Co-T-Representative to see F.P.Cox of Lynn.W-2/23
301546	4-25	Weston Elec Instr Co	Re giving company advance notice of future requirements for radio sets and re E J Simon requiring thermo ammeters in place of model 400. W
301839	4-27	Weston Elec Instr Co	Ask if 4 inch type meters of specifications will require 300 volt maximum or 150 volt maximum. W To Weston Elec Co-In re above--5-3

4--2381

[OVER.]

METERS. 1918

Number.	Date.	From or To—	Subject.	
276979	1-26	Weston Co	Meters; fwds vandykes·W	
2914	1-29	To Wireless Spec Ap Co To Marconi Co	Weston Elec Co will supply ammeter having range of 0-100 amperes.W C To Weston Elec Inst Co-Insrtns as above1-29	629
278339	1/31	Liberty Elec Corp	Ameters and volt meters - reqst specifications covering - W To--Fwds copy of specns.2/18	
278596	1/31	Wireless Spec Co	Fwds prints and general dimensions of Roller Smith meters.W To--Reqt fwd drawings, etc.2/6 To--Fwds specns with comment.2/7	
Roller Smith Co.	5-1		Roller Smith Co - Fwds prints.W 2-14 To--Appvs Roller Smith plan.2/25 To Roller Smith Co--Appvs.2/25 Roller Smith Co-Fwds print.W 3-29	
282180	2/18	To Weston Elec Inst Co	To--- Asks for sample of meter-4-23 Reqt have representative report to Bu on Feb 21st re standardizing a 4" line of instruments. W To Roller Smith Co--2/18 Weston Co--rel to standardization 4 inch line of instruments.2/23.W	
284231	-- To--3/12	Weston Elec Instr Co	Radio frequency ameters - fwds print - W To--3/1	
284474	2/25	Roller Smith Co	Weston Elec Co Fwds copy of letter from Marconi Co. W 3-7 Fwds copy correspondence E.J.Simon rel to meters ordered.W	
921	2-27	Weston Instr. Co.	R-S Co-Fwds supplementary report on del'y. 3-2 Askwhere type number is to be stamped on flange radio frequency ammeters.	629.

N.S.E. Form 134.

METERS: 693

Number.	Date.	From or To—	Subject.	
275365	3/1	To Weston Elec Inst Co	Detailed comments re 4" line of instruments being developed. Fwds blueprints of various instruments. W	
	To Weston Elec Instrument Co Asks status 4-3/8 diameter meters 4-23-		Weston Elec Ins Co-fwds prints.3/3 To—Fwds prints with comments on.3/16 Weston Elec Inst Co-W. 3-22	
287062	3/5	Weston Ele c Instrument Co	Fwds print of their ammeters for radio.W	
287512	3/9	To Phila	Sangamo ampere hour meters, for engine gen sets. Auth purchase of meters larger than Sangamo make. W	
289225	3-9	Weston Elec Instr Co	Submits report in detail on status of their orders. W	
290180	3/19	To Weston Elec Inst Co Instr	Fwds blueprint copy of report from NY on comparative test between three meters of company and Roller S mith Co. W	
	Western Elec Mfg Co-reqt report on comparative test.W To—Comments on.3/25 To—acknowledges-4-30		To Roller Smith Co—Ditto with comment.3/19 Weston Co-Fwds prints.W 4-16 To Weston Elec Co-5-1 Roller Smith Co 5:14	
290765	3-21	To General Radio Co.	Directs expedite delivery of variometers to D . Goldsmith at City College NY. W. 919.	
293071	3/29	To Norton Elec Inst Co	Ammeters received at Bu with no letter. fwded to Phila for test. W	Same
	Phila-5/7-rqst writg of meters. Phila-5/7. To Phila--In re test meters sub- by Norton Elec Co-try to locate meters and advise Bu--5-11 RB 5-21		To Phila--Fwds meter. Directs make comparative tests.3/30 See Card 15 Phila - Meters not recd.W 4-12 To Phila- meters shipped two weeks after letter was written-4-23	

4—3381

[OVER.]

7918

METERS.

Number.	Date.	From or To—	Subject.
275530	4/2	To Phila	Test of Westinghouse Ammeter and voltmeter from Carroll Elec Co. Directs fwd report. 4/2 To Phila--Reports on test of Westinghouse type W ammeter and voltmeter--4/22 To Wireless Improvement Co-Fwd as rqst-5-8 To Carroll Elec Co- 5-8
275365		SEE ORIGINAL CARD	Weston Elec Instr Co - Cannot give exact status of development of 4 3/8 inch diameter radio instruments. W 4-25

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—2381

[OVER.]

METERS: RADIO.

1917

Number.	Date.	From or To—	Subject.
259937	11/2	Weston Elec Instr Co	Relative to future requirements for instruments.W
265153	12/3	4th nav dis To---Reqst. Shipt. of 12/17/17 be cancelled 2/5 To S&A req canc SO 12-17-17 5-29	Request Kolster decremeter and ammeter.W Fwd Communications 12-10 RB 12-12 Fwd Nav Com--12/10 To S&A--Reqt shipt of wave meter from Wash to Phila.12/17 Fwd Nav Com--12/18
265593	12-6	Weston Elec Instr Co	Relative to furnishing galvanometers to a contractor; request information as to how much overload to be applied.W Co 12-13 To--12/27
266913	12/14	To Weston Elec Inst Co	Reqt fwd to E.J. Simon necessary instruments for equipping at least 10 of 1 KW trans sets he is furnishing to Bu. W Co states are exerting best efforts to fill orders for government 12-18 To--12/22
271415	1/5	To Firms To Weston Elec Inst Co--Submits specns for meter.1/16 Weston Elec Inst Co-W-1-25 To Weston Elec Inst Co--1/30	Reqt blueprints of flush type of small direct current ammeter having range of 0 to 3 amperes. W Weston Co 1-7 Splitdorf Elec Co 1-7 Roller-Smith Co 1-10 To Splitdorf Elec Co--1/10
271292	1-3	Weston Elec Instr Co	Ammeters; fwds vandykes.W To--1/17
271651	1-2	Louis M Pignolet	Offers services in connection with measuring instruments.W To Nat'l Elec Sig Co--Will discuss matter at any time.1/7

N.S.E. Form 134.

1918

METERS: RADIO. 893

Number.	Date.	From or To—	Subject.
273113	1/12	To Firms	Auth take up matter of meters with Mr. L.M. Pignolet. W
273815	1-11	Norton Elec Instrument Co	Reports shipment of a type H ammeter and voltmeter for test.W
274313	1/11	Phila	Request copy of specifications covering switchboard instruments be fwded Supply Dept.W To Phila--2/18
274435	1-15	Marconi Co	Thermo ammeter and heating element for submarines; quotes from letter of Weston Elec Instr Co.W To--1/19 To Weston Elec Inst Co--Reqt information in connection with.1/19 Western Elec Instru. Co - fwds print 1/24 To Weston Elec Inst Co--Gives action.1/30
275530	1/22 Phila--3/12 To Phila--3/20 To Carroll Elec Co--Ask if are going to fwd metersfor test.3/20	To Phila	Test of Westinghouse type " ammeter and voltmeter, which Carroll Elec Co desire tested. Fwds copy of letter from Carroll Co, with instrns. W To Phila--3/6 Carroll Elec Co-W. 3-22
276021	1-21	Weston Elec Instr Co	Ammeter for use with external shunt - fwds corrected drawing. W (Model 24) To--Directs prepare Vandykes.1/29

4—3381

[OVER.]

METERS: RADIO.

Number.	Date.	From or To—	Subject.	
250533	9/20	Bureau Standards	Request that Roller, Smith Co be permitted to furnish them with certain radio instruments.W To Roller Smith Co—Directs fill order.9/24 To—9/25 Roller, Smith Co 10/1 To—Roller-Smith Co will fill orders.10/3	
231301		CARD 9	Weston Elec Instr Co meters; ~~request~~ reports shipment of instrument to Wash for test, in connection with use in horizontal or vertical position 10/2	
248253		CARD 136	Sangamo Elec Co fwds vandykes showing diagram in drilling dimensions in ampere hour meter.10/1	876
254437	10/11	Weston Elec Instr Co	Switchboard instruments for radio panels; fwds prints showing summary of those approved for standardized radio panels for Bu SE.W	
255576	10/17	Wash	Reports on test of a Weston improved type, model 425, thermo-galvanometer.W To Weston Elec Inst Co—Quotes from above report.10/23 Co 10/26 To Weston Elec Inst Co—10/31	
255627	10/19	To Roller Smith Co	Radio frequency ammeters. Fwds advance copies of specns for. W Roller Smith-reqt longer time for comment.11/9.W Co 11-30	
255628 To—12/22	10/19	To Weston Elec Inst Co	Fwds portion of revised specns for switchboard instruments. W Co 11/22 Co 12-7	

VOID

4—3381

N.S.E. Form 134.

893: METERS: RADIO

Number.	Date.	From or To—	Subject.
256266	10/22	Sims	Thermo ammeter-states will substitute 5 ampere instruments for 6 ampere-due to inability of Weston Electric Instrument Co to furnish.W
		To Weston Elec Inst Co--(T)Directs proceed with five ampere meter.10/31	To Weston Elec Inst Co--Ask if cannot supply ampere meter to Simon in time that he desires same.10/27
		Weston Co will be required to use a 6 ampere instrument on future orders but 5 ampere can be applied to Simon contract 11/1	Weston Elec Instr Co 10/29
		To E.J.Simon--Gives action taken.11/12	
163	10/26	Fwd S&A	Radio frequency ammeters. Detailed recommendations as to award. WR
25742	10/27	Phila	Radio protective devices; methods for measuring high AC test voltages; fwds notes on·W To--Auth purchase of Peak Reading Voltmeter. 11/2
257618	10/30	To Weston Elec Inst Co	T Hot wire radiation ammeter for Simon radio set 0 to 5 scale will be satis. W
257792	10/30	GE Co	Instruments for 500 cycle quenched spark type transmitters;states not in position to furnish at present time·W
258252	11/1 To--11/30	Cutting & Washington	2 kw radiosets; requisition called for 5" Weston frequency meter; Weston Co state cannot furnish after 2 or 3 months; request instructions·W To--Instrms 11/8
			Co relative to use of circuit breakers 11-26
259764	11/9	Weston Elec Instrm Co	Asks status of order for thermo ammeters on Philadelphia requisition 163.R&W To S&A--Ask when award will be placed on reqn 163.11/14

4—3381

[OVER.]

1917

METERS: RADIO.

Number.	Date.	From or To—	Subject.
236875	SEE CARD 9		To Weston E lec Instru Co--Re changes to be made to ammeters. 7/23 ~~Fwds copy~~ To Firms--Fwds copy of above letter, and directs notify Weston Co of any changes in ammeters to be made. 7/23 F. Lowenstein fwds copy of letter to the Weston Co 7/24 Weston Elec Instr Co confirms telephone call 7/24 To Lowenstein--7/26 Lowenstein fwds copy of letter to Weston Elec Instruments Co 7/28 K&C Co 7/28 Marconi Co 8/7
243513	8/11	Roller, Smith Co	Request authority to submit for test a new type of current squared meter developed for use in connection with decremeters W To--Appys.8/20 Co 9/21
244790	8/20	Weston Electrical Instru. Co T	Request appointment for Wednesday for conference with their representative W Weston Elec Instrument Co T 8/21 To--Will meet representative Wed.8/21 (T)
244761	8/20	To Phila	Thermal ammeters. Phila Reqn 163. R eqt refer bids to Bu for final decision. W

NB—0120

N.S.E. Form 134.

METERS: RADIO. 893

Number.	Date.	From or To—	Subject.	
245888	8/25	Weston Elec Instr Co	Instruments for panel sets for 1/2 kw panels; fwds drawing, gives sizes, etc; replies to 232688-876.W	
245787	8/31	To Roller Smith Co	A ssigns type numbers for Radio Frequency Ammeters Roller, Smith Co 9/5 Roller-Smith Co--Submits Vandyke and detailed report.W	
247786	9/6	Weston Elec Instr Co T	Request appointment for ship engineers on the 10th.W To--(T)9/7	
247688	5/14	Weston Elec Instr Co	(Personal) Fwds prints covering ammeters and wattmeters.W	
248238	9/8	Wireless Spec App Co	Send and receive switches; request print.W To--Refers to Bost Yard--9/25 To Bost--9/25 Bost antenna transfer switch; fwds switch 10/3	
249643	9/17	Roller,Smith Co	Instruments; standardizing diameters and mountings of thermoammeters, etc; fwds prints and submits comments.W Co fwds prints 9/19	
250113	9/20	To S&A	Reqt shipt of wave meters from Wash to NY. W	

NB—0120

[OVER.]

1917

METERS: RADIO.

Number.	Date.	From or To—	Subject.	
229979	5/23	Roller, Smith Co	Unshunted radio frequency ammeters, 3 and 4 inch, type W; request test of W To Phila--Instrns re tests.5/26 To--Tests auth at Phila. 5/26 Phila Roller-Smith has been directed to forward wattmeters for test 6/26	
231216	5/31	To Phila Norf To Weston Elec In.Co.	Standarization of switchboard meters. Fwds sheets and directs fill out, giving infor called for. W Weston Elec Instru Co 6/2 Norf Fwds data sheet giving suggested maximum ranges.6/4 Marconi Co 6/13 Phila 6/13	
231301	6/1	To Firms Yards To Yards--Lists additions to.6/7 Weston Elec Instr Co gives list showing comparison of ranges 6/8 Weston Co 6/8 Kilbourne & Clark satisisfactory 6/11 E.J.Simon satisfactory 6/11 F. Lowenstein satisfactory 6/11 Fed. Tel. Co 6/7 Norf 6/12	Standard scale readings adopted for radio frequency ammeters. Submits standard series proposed, and asks if will consider as standard. W De Forest Co calls attention to larger scale instruments 6/4 Norf recommends specifying range of frequencies 6/5 Wash recommendations 6/6 To Firms--Lists additions to.6/7 Re changes in. WR	BELOW
Phila 34	6/2	To Phila		
2313 01		ABOVE Marconi Co 7/13 Fwd Phila--8/3 RB 8/28 To Weston Elec Inst Co--Reqt certain information re thermal ammeters.8/21 Roller, Smith Co 8/22 Weston Elec Instr Co confirms information given verbally and fwds prints 8/25 To Western Elec Co-Reqt certain infor re instruments.9/5 To Western Elec Co--9/25	Wash 6/11 Roller, Smith Co comments 6/13 Marconi Co 6/15 NY 6/15 Fed Tel Co 6/18 Pug Sd 6/14 Bost 6/18 Pug Sd 6/15 M Is 6/14 Phila 6/22 To Phila--Lists standard ranges for radio frequency ammeters. 6/30 To De Forest Co--Fwds list of sizes of ammeters adopted. 7/6 To Firms--Lists standard ranges of radio frequency ammeters adopted. 7/6 To E.J.Simon--Fwds copy of final list adopted.7/7 Weston Elec Inst Co 7/13	CARD 11

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N.S.E. Form 134.

METERS: RADIO. 893

Number.	Date.	From or To—	Subject.
234120	6/15	Weston Elec Instr Co	Request be furnished with specifications covering instruments for wireless sets for submarine chasers.W Weston Electrical Instruments Co - (T) Request appointment 6/12 L To—Refers to Phila.6/21
236531	6/28	Wash	Request authority to ship meters listed to manufacturers for repairs and calibration.W Fwd S&A—7/6
236875	7-3	Weston Elec Instru.Co	States have received order for 200 sets of instruments for 2 kw radio sets on contract of Kilbourne & Clark; states cannot meet delivery rate called for by contractors.W To—Reqt make every effort to supply instruments so as to cause no delay.7/7 Co states proceed with production as outlined in Bu's letter 7th will possibly delay deliveries on 1 kw sets 7/10
236873	7-3	Weston Elec Instru Co	ditto. for 50 sets.W CARD 10
238485	7/11 7/13	F. Lowenstein Phila	Asks if Roller, Smith thermoammeter has been approved.W To—Directs furnish Weston instruments on all contracts.7/19
238835	7/16	James G. Biddle	Asks if Navy is interested in a 500 cycle Frahm vibrating-read frequency motor, in connection with developing.W To—7/19
239855	7/18	Marconi Co	Request copy ofcode of radio instruments for switchboards.W To—Comments on.7/27

NB—0120

[OVER.]

METERS: RADIO

Number.	Date.	From or To—	Subject.
202595	10/17	To West Elec. Instr.Co.	Development of a capacity meter. Reqt to know whether interested in making such a development, and if so the price. W Weston Elec Co can make an instrument to comply 10/19 To NY--Reqt to give West.Elec.Co such information as available. 10/25 To--Comments on. 10/25 Weston Co. gives probable price 11-1 To--Directs confer with NY in matter of developing capacity meter. 11/6 To NY--Reqt copies of all corres written to company in reference to. 11/6
209752	12-18	Arlington	Reports on experimental variometer.W. To via Wash--Comments on. 1/15
			1917
213932	2-7	Roller Smith Co	Ammeters, etc. for radio use; request authority to submit instruments for test. W To Phila--Instrns re test. 2/13 To--Auth test. 2/13 Phila meter burned out; test indefinitely delayed 3/16
218635	3-16	Simon, EJ	Returning thermo galvanometer with new fuse wire; also sending 5 amp radiation meter for test.W.
220120	3-27 NY request ammeter be returned for repairs before further test undertaken 5/6 Gef NY--5/15 RB 5-21	Washn	Weston thermo ammeter; minature type; submitted by EG Simon; reports on test. W To NY--Directs comparative test with Weston ammeter and Roller-Smith ammeter. 4/4 To--Directs fwd ammeter to NY. 4/4 Wash instrument has been return to EJSimon.4/26

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METERS: RADIO. 893

Number.	Date.	From or To—	Subject.
221341	4/5	Louis M. Pignolet	Small high frequency meters for wireless; calls attention to platinum iridium strip.W To--Testing held at Phila. 4/16
222649	4-12	Weston Elec Inst Co	Meters for radio work; will be necessary know approx amount required in order to make labor arrangements.W To--4/16
226177	5/3	Weston Elec. Instrument Co.	Request specifications of instruments for use on radio sets W To--Fwds specns.5/7 Weston Elec Co comments on specification.5/10 To--Fwds specns. 5/14
227140	5-8	Roller-Smith Co	Reqt copy of report on the Thermol coupling type ammeter.W Fwd Phila--5/10 RB with report on test 5/30 To Phila--Instrns.6/2 Phila 7/30
227993	5/12	To Phila	Fwds drawings similar to those fwded to Weston Elec Instrument Co. Instrns. W Phila fwds prints and reqt type number be noted on 5/26
229903	5-23	Roller-Smith Co	Type W-Back-Connected-Switchboard- Radio-Frequency-ammeter for submarine chaser; Fwds print.W Phila Roller-Smith has been directed to ~~finish~~ forward wattmeter for test 6/26
229904	5-23	Roller-Smith	Calls attention to their 47 Watt meter and Volt meter and reqt appvl.W To Phila--Instrns re tests.5/26

To--Offers hold test at Phila.5/28

NE—0120

[OVER.]

METERS: RADIO

1915

Number.	Date.	From or To—	Subject.
167490	10-1	Firth, Col John	Hot wire ammeter; reqt auth to have tested. W To NY--Authorizes test of. 10/7
169324 To Wash via S&A reqt shipment meter to NY Yd 5/27 To NY advises of shipment request 5/27	10/25	NY	Reqt authority to purchase a Western Elec Co's portable precision capacity meter for use with condensers.W To--Appvs. 10/27 NY have located 3-24 To S&A -Reqt shipment meter from NY to Wash for Bu Standards. 4/1
172679	11-29	Washington	Reqt authority to ship Western voltmeters to company for repairs.W Fwd S&A--Rec shipment of. 12/2

1916

177601	1-29	NY	Reports on hot band ammeters submitted by John Firth.W
183674	4/4	Roller, Smith Co	Asks if specifications 16R1a be extended to cover their hot wire ammeters.W To--Comments on. 4/25 To Phila-- Fwds copy above. 4/25 Roller Smith Co reqt ad info, etc. 5-1 To--Gives add information. 5/18
187339	5-10	To Weston Elec Co.	Reqt complete file of catalogues of elec measuring instruments manuf by Co. W Weston have no catalog 5-12
188124	5-17	To Wash.	Repair of radio apparatus; suggests a proprietary reqn be made out covering all instruments in order that radio equipment be put in good conditions. W

N.S.E. Form 134.

METERS: RADIO. 893

Number.	Date.	From or To—	Subject.
189387	5-25	Austin, Dr. LW	Precision meter; Weston; reports on test of.W
189231	5/27	To Weston Elec Inst Co	Asks if possible to modify their capacity meter so as to be available for use with capacities between the values of 0.0004 mfd. and 0.02 mfd., with an accuracy of one per-cent; for use in measuring capacities of antennae.W Weston Co gives description of what can supply 5-31
189709	6-2	To Weston Elec Inst Co.	Bu SE reqn 89-90-100-1-2-3; gives information on. W-R Weston Co. quotes prices 6-10 To--Have recommended award to Co. 6/16
191850	6-24	NY	500 cyl AC switchboard type voltmeters for radio purposes; panels; fwds report of test on those submitted by Weston Co. W
192583	7-5	Roller Smith Co	Request GH Clark be sent to inspect new type of meter.W To--Unable to send Clark; offers to test at Wash Yd. 7/14
193262	7-6	Washn r	Meters for radio use; request authority to ship various instruments to their makers for repairs.W Fwd S&A--Reqt instrms be issued. 7/14

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[OVER.]

METERS: WIRELESS.

1914

Number.	Date.	From or To—	Subject.	
115374	1/19	To S&A	Hot-wire ammeter; request shipment from washn. to wireless Impr. Co. for repairs. W	
116625	2/3	To NY	Variometer coils; directs repairs to those on hand - to be held for further issue.	206-6
118804	1-28	Bu Standards	Hartmann-Baum ammeters; reports on test. W	
125664	5/23	Roller-Smith Co.	Recommends their type W ammeters for radio work. W To -- 5-25 Co. 6/24. renews request. W To--- Date of opening postponed to July 14th. 6/25.	
130765	7-24	Wireless Spec App Co.	Hartman-Baum hot wire ammeters; quotes price. W To -- 7/28 W Ericsson Co. high frequency busser shipped for test; patent has been applied for	7-30
135174	9-24	To NY	Bu has reqt shipment NY to Wash of radio material for test at Bu of Standards; under contract 20982. W To S&A-- Req shipment. 9/24	
147736	2-19	To NY	Have reqtd shipment to M. Is of hot wire ammeters. W To S&A-- Reqt for shipment. 2/19	

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893 METERS: WIRELESS:

Number.	Date.	From or To—	Subject.
148495	3-1	To Treas Dept. (Secy's sig)	Reqt that two cases of elec measuring instruments now at Custom House, Wash be delivered in bond to Bu Standards: W Treas Dept have arranged 3-16
158641	6/22	James D. Biddle	Parkman & Braun hot band ammeters for radio work; states has stock of; reqt orders. W Fwd NY-- 6/25 RB 8/7 To--Have fwd to NY to take up. 6/25
160414	7-13	To Washington.	Repairs to Leeds & Northrup galvanometer; if repairs cannot be made by Yd force submit recn for. W RB 7/16 Fwd S&A--Reqt shipping instructions. 7/16
162431	8-3	To M.Is.	Hot wire ammeter; submit estimates for m manufacture of. W
162699	8-5	To Roller-Smith Co.	Gives results of expermits with 0-50 hot wire ammeter No.51754; notes defects in. W Roller-Smith Co 8-11 To--information reqtd will be furnished at early date 8/13 To M Is--reqt information 8/13 M.Is submits report 8-30 To--Gives data on. 9/7
165090	8-30	M.Is	Submits estimte for radio hot wire ammeter; matter dropped on adoption of improved Western type. W To--Manuf will not be undertaken. 9/7
165632	9-10	AWashn	Estimate for mfg audibility meters. W To--Appvs. 9/14
166086	9-17	Western Elec Inst Co	Gives description and quotes price on their meters for use on radio switchboards. W Fwd Phila-- For comment and rec. 9/20 RB 10-1 Co reqt action 10-5 To Phila--1/10 To Dept via S&A--Recommendations. 10/6 RB 10/21 To--Now under investigation. 10/9 To Weston--Re return proposal. 1/5 Western reqt reports 1-10

Phila reqt copy 12/21 S&A Dept auth 1-20
Western inc price to $44. 10-16
Fwd S&A Via Phila--11/1 RB 12/7
Fwd NY-- 11/2 RB 11/20 Fwd S&A-1/14
Fwd Dept-- 12/10 To Phila--Fwds copy test. 12/11
RB12/26 Fwd S&A--12/17RB 12/29
To Weston Co--Fwds copy report. 1/24

1916

NB—0120 [over]

Number.	Date.	From or To—	Subject.
89377	2/4	To BAILEY thru S&A.	Marine galvanometer; requests be returned to Naval Radio Laboratory, Bu of Standards.W RB 2-24 Fwd S&A 2/24
97891	5-23	Biddle, James G.	Specns for radio meters; asks if vibrating vane is acceptable under.W. To---5/23
98304	5/28	To James G.Biddle	Request price for one 0 - 150 ampere unshunted hot wire ammeter. Hartmann & Braun, type AW, delivery at Arlington.W J.G.Biddle 5/29 quotes price.W To---Reqn submitted for.6/2.
99060	6/9	To James G.Biddle	Request quotation on Hartmann & Braun hot-wire wattmeter.W Quotes price 6-10 To---Order placed for one.6/12.
100436	6-27	Pfund, Rich.	Quotes price on hot wire wattmeter. W
100742	6-26 7-1	Roller Smith Co NY	Reqt. test of hot wire ammeter for radio work .W To Co.suggests ship two unshunted ammeters to Bu.of Standards.7/3. To NY.informs of request.7/3. MarconiRolle Smith shipping 7-7 Shipped to-day 8-16 To Co.will arrange for test.8/19 Company reqt report test. 9-8 To Co.Copy of test 9/18
102035	7/22	To NY/	Voltmeters for Telefunken transformers; purchase for stock of six authorized.W

N.S.E. Form 134.

METERS, WIRELESS 893

Number.	Date.	From or To—	Subject.	
102876	7/31	NY	UTAH: reports on Motor generator: makes general recommendation for issue of WESTON Voltmeter with each set with which Telefunken transformer is issued.	455--6
104335	8/25	To S&A	Reqt shipment of wattmeter and ammeter, Bu-Standards to J.G.Biddle, for repair.	916
105906	9-18	Austin, Dr.L.W.	Hot wire ammeters; reports on calibration of.W	
107077	10-3	Roller-Smith Co To---Ack.12/17. To NY.Fwds copy.12/18	Asks nature and make of apparatus used for obtaining readings tabulated under standard.W To---gives information.10/6 Company instruments type W 12-12 To---approves type W for supply in future contracts.12/15. Co. Reply 12/16.willing give guarantee one year.W	
108749	10/24	Guam	GALVESTON : reqt time of shipment of variometer.	212--6
109923	11-10	TO NY	Hartman & Braun ammeters; reqt. report of issues on reqn. 548. W NY reports issues 11-11	
111074	11-22	Bu Standards	Roller Smith Co. high frequency ammeters; Makers appeal against Bu test and reqt. check test at Arlington.W To---Directs have Dr.Dellinger communicate with Dr.Austin re tests.11/25 Bu standards withdraws request 12-8	

NB—0120

[OVER.]

METERS: WIRELESS: 1912

Number.	Date.	From or To—	Subject.	
63896	3-18	Thwing Inst.Co.	Quotes price of special Thermo-elements instruments.W To Washn.Fwds copy of reqn.#288.3/23. To---Reqn.submitted for.3/23.	
66621	4-15	Thwing Inst.Co	Reqt. payment for milli-voltmeter under reqn. 263. W Fwd S&A.reqn was appd Feb.19th.4/19.	
67581	4/30	Marconi W.T.Co	Comments also on set to be supplied Weston frequency meters.etc	904
68153	5-6	Biddle, James G.	Fwds Siemans & Halske catalog covering instruments for wireless use. W TO -- ack.5-9 Fwd S&A 5-9	
80777	10-22	Paul, R.W.	Fwds quotation on Unipivot galvanometer. W. To Washn.Reqns Bu.143 and 145 prepared for.10/28.	
81077	10/25	S&A	DES MOINES: Variometer coil; copy of letter to NY directing shipment so same may be carried by Commander Long.	185-6
80975	10/24	To Telefunken Co.	Primary variometer, coils, great difficulty experienced with those supplied under cont. 14747.	904

N.S.E. Form 134.

METERS, 893

Number.	Date.	From or To—	Subject.	
82102	11/7	Chas	Reqt be furnished with QUEEN DIAL resistance box for use during ARLINGTON test.	807
84646	12-5	Phila 1987	Hot wire ammeter turned in from TACOMA and KEARSARGE; recommends be shipped to NY for repairs. W. Ret---via S&A.Directs be shipped to NY for repairs.12/10.	
			1913	
87389	1/13	To Natl Elec.Sig.Co.	Wattmeters, 500 cycles, 100 K.W.range. Request price; for possible installation at Arlington.W	
87910	1/18	To Washn Yd. & S&A.	Shipment of decade dial testing set to Leeds & Northrup Co. for repair.W RB 2-1	
88818	1-28	Nat.Elec.Sig.Co.	Quotes price on 500 cycle wattmeter.W. To---2/5.	
88957	1/15 1/23	Ensign J.Y.Dreisonstok WYOMING	RAdio stadimeter for detecting objedts in proximity for use of radio.W To CO.Impracticable.1/31.	

NB—0120

[OVER.]

METERS: Wireless (general)

3

Number.	Date.	From or To—	Subject.	
46863	8/21	Telefunken Co	PORTS: quotes price for VARIOMETER	832
46827	8/21	Clark, G.H.	WHEELING: also reqt shipment of VARIOMETER from NY. (in connection with adjust)	478--6
47504	8/30	To S&A	MICHIGAN: reqt shipment of WIRELESS SPEC. Co's voltmeter	286--6
49704	9/19	Biddle, James G	Quotes prices on for wireless. W TO --has prepared reqn.for galvanometer & voltammeter.9/28 To Washn-Fwds copy of Bureau reqn.131, for Bu.Standards.10/3.	
50087	10/3	Telefunken W.T.Co	Asks if Bu. will approve use of Machado-Roller hot wire ammeter and voltmeter for switchboards. W To---Machoado & Roller type not desired.11/20.	
50206	10/4	TO Washn, Taylor Inst.Co	Fwds copy of reqn. 132 for milli-voltmeter for laboratory.W	
50333	10/5	Telefunken W.T.Co	Primary variometers: reqt. shipping instruns for those turned in by Mr.Clark for repairs.W Fwd NY. 11/1.RB 11-6	
51049	10/13	TO Washn	Fwds copy of reqn. 145 covering, for use at Laboratory. W	
52208	10/26	Ports	PORTS: states require variometers sent Telefunken Co. for inspection & repair.	832
53308	11/11	To New Orleans, (Pensacola Yd).	Combination voltmeter and ammeter(Hartmann & Braun). Directs delivery to G.H.Clark. W BLRB11-17 To---Above should have been addressed to Penascola,Fla.11/15.	
53195	11/10	To Washn.	WASHN STA: Milli-voltmeter for; fwds copy of reqn.179, NSA, Bu.	840

N.S.E. Form 134.

METERS 893

Number.	Date.	From or To—	Subject.	
53613	11/15	To Pensacola	Combination voltmeter and ammeter(Hartmann & Braun) directs delivery to G.H.Clark	900
53702	11/16	To Washn & S&A.	Galvanometer repaired under Bu.reqn.10 NSA. Request shipment to Elliott Woods(Supt.of Capitol Bldg and Grounds). Reqn Bu.NSA submitted to cover cost of repairs.W	
54442	11/21	Ports	PORTS: variometers received from Telefunken Co. broken, this type not satisfactory. and reqts instructions.	832
			1912	
58522	1/12	To Leeds & Northrup Co.	Marine galvanometer #13617; asks number of requisition, dates, place of shipment, and by what office payment was made.W Gives date of shipment. 1/15 To---Ack.1/18.	
58237	1/29	To NY and S&A	Hot wire ammeter: requests shipment from New York yard to LAMSON.	260-6
59701	2/6	To S&A	Request shipment of one Fleming cymometer from Colon to Washington.	817
61497	2-6	Thwring Inst.Co	Fwds bill for milli voltmeter delivered to Dr.Austin. W To---Reqn.NSA 263 submitted to cover payment.2/20. To Washn. Fwds copy of reqn.2/20.	
62517	2/29	NY	NEW ORLEANS: reports shipment of voltmeter and relay sending key	821

NB—0120

[OVER.]

METERS: WIRELESS:

FILE No.	From or To— (Dated)	Subject.	
34351 3/22	TO At.Flt	Directs power factor meters be removed from wireless switchboards and shipped to Walker Elec. Co. W To -- Directs power factor indicators be rembved from switchboards for W.T.apparatus and shipped to Walker Elec.Co. 3/22.	
35889 4/11	To Academy & C.O.	BAILEY: fwds copy of reqn for D.Arsonval galvanometer.	124--6
37546 4/29	DELAWARE	Reports shipment of power factor meter to Walker Elec. Co. W	
42670 6/22	Norf	BAILEY: reqt galvanometer for wireless turned in by Dr.Austin be invoiced to vessel.	124--6
44262 7/22	TO Washn, S&A & Leeds & Northrup	Portable galvanometer; directs be shipped to for reapirs, W	
44480 7/25	Leeds & Northrup	Galvanometer; will take steps to investigate breaking down. W To Washn.Fwds copy reqn 10 covering repairs; reqst to be advised when article is returned. 7/27.	
45747 8/8	Biddle, James G	Invites attention to 500 frequency meter.W.	893--4
45458 8/2	Nav	UNALASKA: galvanometer; ordered turned in from BAILEY to Norf. for shipment to: re loss of:	845

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METERS: WIRELESS

FILE No.		From or To— (Dated)	Subject.	
28797	1/11	TO. Biddle, J.	Reqt. copy of latest catalog.	
29105	1/14	Biddle, T.G.	500 cycle frequency meters, states cannot supply at present time, data, are in communication with factory.	
29545	1/20	To NY	FLUSSER: burned out variometers: to be taken in to store at Yd. and shipped to Wash. when received	206--6
29545	1/20	To C.O.	FLUSSER: burned out variometers: send copy of survey to New York Yd	206--6
31881	2/17	N.Y.	FLUSSER: states burned out variometers have been rec'd and are being surveyed	206--6
32624	2/28	N.Y	FLUSSER: reports variometer	206--6
32688	3/1	TO Biddle, J.G.	Reqt. quotation on bridge megger del. M.IS.W	
32763	2/28	Nat.E.Sig.Co	Invites attention to direct reading capacity meter for measuring capacity of antennae. SW To - acks. 3/3	
32812	3/2	Biddle, J.B.	Quotes price on Bridge meggor for del. M.Is.W To M. Is. fwds. copy req'n. 3/3 To -- Reqn.made for 3/7.	
32794	3/1	C.O.	BAILEY: reqt hot wire ammeters for	124--6
33105	3/3	C.O.	STRINGHAM & BAILEY: reqt hot wire ammeter:	418--6
35724	4/8	To.Bailey & S&A	UNALASKA: ship galvanometer to M.Is.	845

NB—0120

METERS: AUDIBILITY: RADIO 1917

Number.	Date.	From or To—	Subject.
211916	1-10	M.Is	Request vandyke prints.W Fwd Wash--Directs fwd direct. 1/23
212339	1-		
213229	1-30	Washh	Request authority to issue one to radio testing shop in connection repairs telephone receivers.W To--Grants auth. 2/6
213681	2/6	To Wash	Directs audibility meter old type, at Communication office be turned into Wash. W
307591		Dr. L. W. Austin	Submits report of test on new meter designed by Wireless Specialty Co. W Fwd Wash- -5-29 R B 6/5
322428	7;1	Marconi Co.	Asks if will authorize company to furnish Canada Marconi Co. with information in connection with forestry production . W To Nav.Intel. Re use of Navy Telephones for airplanes. 7/9 To Marconi. Have replied to Marconi of Canada. 8/9- To Marconi (Ca). No objections to Amer. Marconi supplying them with details re rad.tel. ap. 8/10 Marconi Co -- 8;20

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METERS: AUDIBILITY RADIO 1920

Number.	Date.	From or To—	Subject.
473032	2/2	To S&A	Reqst shipment from Washington to Bur Standards radio apparatus. W RB 2/6

NB—0120

[OVER.]

METERS: AUDIBILITY: RADIO.

1915

Number.	Date.	From or To—	Subject.	
171246	11/15	To Bost	BIRMINGHAM; audibility meters; auth transfer of meter recently assigned to Radio Lab to ship	138-6
171244	11/15	To S&A	Reqt shipment of audibility meter from M Is to Cordova	809
171245	11/15	To S&A	Reqt shipment of audibility meter from M Is to Yerba Buena	842
171355	11-16	To S&A. and ships	Audibility meters; reqt shipment from ships to ships. W RB 12/13 SALEM 11/19 To SALEM--12/4 To S&A--Cancel shipment. 12/4 WEST VA: reports transfer to San Diego. 11-30 Fwd SAN DIEGO-- 12/9 To S&A--Reqt transfer of apparatus. 12/9 RB 2/17 RB Fr S&A. 12/22 Fwd S&A--Noted. 12/24 To ARKANSAS Via NY--Auth repairs to meter. 12/24 Fwd S&A-- 2/25 RB 3/28 Fwd S&A--3/31	
184705	4/18	To SAN DIEGO	Calls attention to incorrect method of obtaining audibility readings	147-6
185001	4-19	To M.Is.	Audibility meter #206: asks if meter is at the Electrical School in addition to one reported in stock. W M.Is. 5-1 To—Further. 5/16	

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Number.	Date.	From or To—	Subject.
185303	4-24	To Phila.	Audibility meter Ex SALEM ex VIRGINIA; asks if appratus is in stock. W Phila not in store 5-5 Pug Sd 5-4 M.Is 5-5 To Phila--Further. 5/15 Phila now in use radio lab 5-18
185303	4-24	To Darien.	Audibility meter; asks if appratus now at station. W RB on hand 5/15 (at Darien) To Yards--Ditto. 4/27 New Orleans 5-2
201673	10/10	To S&A	Reqt shipt of audibility meter from Wash to SAN FRANCISCO.W To S&A (7)--Reqt shipment of Audibility Meter to Pacific & Asiatic Radio Stations.10/11
203399	10/24	To Chief Elec.McDonald via Dir.Nav.Communi.	Fwds ~~issuexof~~ audibility meter to Mr. McDonald. W To Wash-- Auth issuance of to Mr. McDonald. 10/24
204011	10/30	To Wash	Assigns Naval Radio Lab, Bu of Standards one audibility meter. W
206917	11/21	M Is	Audibility meters; asks number and type of telephones; should be used with those for Guam, Tutuila, Olongapo and Pekin.W Fwd Wash--For comment and rec. 12/5

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.
653087	12/2	M.I. Rewards	Fwds beneficial suggestions by RG Robinson covering remote control on arc radio stations. W Fwds Washm 12/16 RB 12/27 W To MI- Reqsts estimates 2/2/23
652667	1/3 /23	To S&A 1835	~~Reqst shipment of tubes from washn to SO NY 1835 W~~
653477	12/15	To Western Elec. Co	- examination of dept's records confirms recent statement of Mr Skinkle navy is licensed under patent to L Cohen- permits use of coupling W
654078	12/18	Wash	Fwds letter from W.L.Carlson submitting list of patent and patent application W
654819	12/18	H.J. Callaghan	Submits suggestions covering una-direction radiation and arrangement of oscillating circuit W To H J Callaghan via CO TEXAS via Union Gives action taken 1/4/23

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PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
655122	12/28	Patent Office	Rqsts reference as to earliest publication description of inverted 4" tube in connec. with arc generator at Annapolis Sta. W To Comm of Patents - gives inform rel specens 1/6/23
655173	12/28	Washington	Fwds letter from radio Laboratorian E. L. Powell giving description of reception circuit for selective reception of short wave lenghts. Rqsts patent be obtained W Fwds C-I-C Bu. Standards 1/4/23 RB 1/22/23 W To S&A - Fwds Invoice 5/26/23
594204	from card 43		To Comm of Patents - Fwds license 1/6/23 To Dept J A G - Fwds license 2/10/23

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[OVER.]

PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
615124	from card 61		To Radio Laboratorian Wendell L Carlson via Washn- Fwds license W 11/7 RB 11/22 W To Dept J A G- Fwds copies of license 11/25 RB 12/4 W To W L Carlson via Washn Comdt- Fwds license 12/20
650424	11/15	M.I.	Fwds License from Lab G. TL Royder covering electric filters W
650675	11/22	Pennie Davis Mavis Edmonds.	Fwds inclosed form of agreement rel to grant of license to manfgrs of radio apparatus in U.S. Patent Owned by Navy W To Pennie Davis Marvin & Edmonds- gives Inform 12/20

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PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
650881	11/18	Fed T&T Co	Patent transferred to Navy Dept bl alien custodian. Submits Co's proposition covering use of W To Fed Tel & Tel Co- gives inform 12/19 Fed TT Corpn 12/27 W To Fed Tel and Tel Co - comments 1/9/23
603681	from card 65		To Patent office- Gives inform rel charge of copies of specens W 11/28 To Patent Office- Reqsts copies of patents listed 12/9 To Patent Office- Reqsts patents 12/22 To Comm of patents- Reqsts patent 12/22
651916	12/4	To CO Anacostia	method of photo telegraphy- W RB 12/11 W

4—3351

[OVER.]

PATENTS RADIO

Number.	Date.	From or To—	Subject.	
645296	10/17	To S&A	Payment of fee of $40. for appeals to commissioner of patents from board of examiners in Chief. WK	
646179	10/19	114.2 CO H. TALBOT	Fwds suggested amendment to Scott application for patent on clariphone.	W.
646504	10/21	Judge Adv General	Inter Departmental patents Board Submits questionnaire concerning invention and patent arising and acquired by Navy Dept. including license and other rights there to appertaining WDL X 674 To J A G via Ordn- G ~~Gen~~ recomdns 11/9 To J A G- Gives reply to questionnaire 1/23/23	
646763	10/23	J. C. Parker	Requests ~~[illegible]~~ patent on radio, Rec sig W ~~[illegible]~~ Fwds ~~Bu of~~ Standards 10/31 RB 6/1 W Fwd JAG--Reqt patent on. 7/12/23 To S&A - Fwds invoice 1/10/24	

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PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
646008	10/25	To Comm of Patents	Fwds two executed licenses W
647039	---	C D Palmer	Copy C.D.Palmer amends patent application covering radio antenna for air craft. W To C D Palmer via CO- Fwds copy of amendment W 3/30/23
598294	from card 52		To Dr L W Austin- via O-I-C Radio Research lab fwds license in quadruplicate 11/7 Bu Standards Lab 11/13 Fwds copy of license by L.W.Austin W

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[OVER.]

PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
641927	8/17 9/16	Pac Fleet Communications	Fwds letter from Gunner W.N.Fanning with description of automatic SOS sys. W Fwds Navign 9/22
641928	8/17 9/16	Pac Fleet Communications	Fwds letter from Gunner W.N.Fanning also copy of article appearing in "Radio World" regarding radio control W Fwds Navign 9/22
644096	10/2	W. H. Priess	Request prints listed be furn in conn with establishing dates of invention of various apparatus. W. Dept 11/7 Copy action to Washington W
644447	10/6	Inter-City Radio Tele.Co.	Ask information as to what terms and conditions Co. can secure radio patents formerly owned by Telefunken Co. W To The Intercity Radiotel Co Gives Inform 10/17

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PATENTS RADIO

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Number.	Date.	From or To—	Subject.	
632448	from card 66	10/11	Cont by and between the Sperry Gyroscope Co and U S Fwds copies of cont W	
645282	??	??? Dept. Contracts, Selector	License signed by Vreeland Apprs Co. relating to oscillators. W. Dept contract D-3465	
645459	10/12 10/13	H. E. Hallborg Washington	Report covering investigation of patent ability of uni-wave signalling system for coupled arc circuits. W. Washington- Fwds letter from H E Hallborg Radio Aide on the patentability of a uni-wave signalling system. 10/31 W Wash 11/16 Fwds letter from HE Hallborg with pencil sketch W. To S&A Fwds invoices 5/20/24	

PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
637840	8/14	Lt. S. H. Sacker	Ask if he is entitled to services of patent Dept of Bureau. W. To H Sacker- gives Inform 8/22
637796x	8/17	To Bu Standards	Patents received from German patent office W Bureau Standards Laboratory 9/29 Submits report by Dr. Miller covg patents received from German Patent Office W
638330	7/28	F.S. Chaplain	Ask if test using reflected wireless to locate ships have been made W
637269	8/22	To A F Eells	Returns copies of patents with comments W

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Number.	Date.	From or To—	Subject.	
638330	8/22	To F S Chapman	unable to undertake any tests of reflecting wirless wave W	
639202	8/22	J. H. Hammond	Calls attn to his patents cov antenna for automobile torpedos. W. To Hammond Radio Research Labs is securing copies of patents 8/26 To Hon Comm of Patents- Reqsts photostat copies of listed patents be furnished Radio Div W 8/26	
639188	5/16 8/24	C. D. Kesler JAG	Request inform rel to policy of Govt in comm with use commercially of certain patents by it relating to radio acquired From Alien Property Custodian. DW	674
639511	8/22	C. W. Waller	Fwds copy of patent on means for electrically propelling and communication with Aerial vehicles and Marine vessels. W. To Mr. Chas. W. Waller- Subject matter not of interest to Navy. 9/5 W	

Number.	Date.	From or To—	Subject.
632280	7/22	To Radio Laboratorian Wendell L Carlson	Patent Application Covering Amplifiers- Fwds plans W Washington- Fwds draft of application. 8/3 W To Patent Office Fwds plans 8/8 To Radio Lab W L Carlson via Washn Fwds license 11/7 RB 11/22 W To Dept J A G Fwds cc license 11/25 RB 12/8 W To W L Carlson via Comdt Washn- Fwds cc license 12/20
630595	7/26	To Mr Cornelius D Ehret	Thanks for the four powers to inspect Kolster applications nos as listed- W
636208	8/8	To Lt Comdr H R Norton via Phila	Patent application on the system for handling Viscous Fluids Fwds plans W RB 8/16 W.
637008	8/2	Fed.T/T/Co.	Lists patent which they desire to obtain the right to use. W. To Fed Tel & T Co- Gives Informm Federal Telephone & Telegraph Co 9/27 W Fed.T/T/Co. Asks status of rights under patents. 10/5 W Fed T/T/Co. Request action. 10/5 W To Fed Tel and Tel Co (T) Gives Action 10/6 To Fed Tel & Tel Co- gives Action 10/6

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PATENTS RADIO 19 22

Number.	Date.	From or To—	Subject.
489781	FROM CARD 34		W. E. Woods- Rest action cov claims on static eliminating circuit. 8/3 W To W E Woods- gives action 8/15
637687	8/14	A. Crossley	Request patent on application for harbor potting device- subm description. W. A. Crossley- Request patent application for harbor plotting device. 8/14 W To S&A - Gives instrns rel check 5/3/23
637614	??	???	Copy of license by M. Arendt and J. E. Jocoy for improvements in submarine communication system. W.
636788	8/14	To Lt Comdr H H Norton via Comdt Phila	Application of Lt Comdr H H Norton on "Fuel Oil Burners"/ W Fwds plans RB 8/25. W. Lt. Cmdr. H.H.Norton- Fwds sketch of burner- request Dept file application for patent. 7/18 W. Fwds H H Norton via Comdt Phila- Fwds sketch of fuel burner 10/10 To C D Ehret- will furnish photostats 12/15 To S&A- -Fwds invoice 12/16 To patent office- Fwds application papers 12/16 To C D Ehret- assignment of application cc H H Norton- Phila 1/5/25
		To H H Norton- via Phila gives instrns 2/2/23 To Dept- Fwds copies of license 2/20/23 RB 2/27 W To H H Norton via Phila Fwds copies of license 3/3/23	

674 9255-1

4—3381

[OVER.]

PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
631325	6/30 7/1	Sperry Co. JAG	License agreement cov fan motor. W. Fwds Judge Advocate General 7/13 To JAG- Fwds recorded contract- 11/14 W
552967	FWD FROM CARD 44	p	To H/E. Reppert via Wash- Fwds license 7/12 W RB Washington- 7/24/22/ W To Dept- Fwds copies of license 7/27 RB 8/3 W To H E Reppert via Washn- Fwds cc license 8/8

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Number.	Date.	From or To—	Subject.
590937	FWD FROM CARD 50		To G.T.Royden via M.I.- Fwds specns and drawings 7/12 W. RB 8/9/22 W To G T Royden via MI- Fwds smooth draft of Specn 9/15 M.I. 9/26 Fwds specns from G.T.Royden W To Comm of patents- Fwds application papers 1/5 To S&A- Reqsts check be fwded Comm patents for payment of filing fee G T Royden 10/7 To Radio Laboratorian G T Royden via MI- Fwds copy of license in triplicate 11/7 To Dept J A G- Fwds copies of license 11/25 RB 12/4 W To G T Royden via Comdt MI- Fwds cc license 12/20
632448	7/15	To Aeronautics	Patent license of Sperry Gyroscope Co. W Aviation-makes allotment of $2,000 towards liquidation of claim. 8/1 W Aviation- Make allotment of $2 000. 8/18 W Aviation 8/16 Cancells allotments W To S&A- Fwds corres. cc Acrs. S A. 8/21 RB 9/9W To Comm of Patents- gives instrns rel cont 10/4
632975	7/15	Pennie Davis Marvin Edmonds	Request license cov manufg and sale of radio equipt under Telefunken crystal patents. W. To Pennie Davis marvin and Edmonds- Gives inform rel license 10/21

see card 69

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[OVER.]

Number.	Date.	From or To—	Subject.	
550752	from card 43		To G Y Allen- Fwds cc of amendment W To Radio corpn of America Fwds cc of amendment 6/22 Radio Corpn- Acknowledges 6/28 W.	6/22 W
629342	6/21	C. Rudolph	Fwds drawings of rotory snap switch. With description of W To Comm of Patents- Fwds application papers 10/18 To S&A- Reqsts check be fwded to comm of patents for payment 10/19 To Dept- Fwds copies of license 11/7 RB 11/17 W RB 11/22 W	

PATENTS: RADIO 1922

Number.	Date.	From or To—	Subject.
629544	6/28	To E L Powell- via Washn	Patent Application covering "Electrical Condenser"/- Fwds specens W RB from Washn. 7/19/22. W
			To The Commissioner Patents- Fwds drawings on electrical condensers 7/26 W
			To Radio Lab Edwin L Powell via Washn- fwds copy of license 11/7
			To Dept- Fwds copies of license 11/20 RB 11/29 W
			To Radio test shop via Washn- Fwds cc license 12/2
			To S&A Fwds invoice 6/11
603681	FWD FROM CARD 63 -71		To S&A- Rsts check for $35.70 be fwd to Comm of Patents. 7/1 W
			To S&A- Rqsts check for $43.45 7/1 W
			To Patent Office- Reqsts photostatic print 7/14
			To Patent Office- Reqsts cc of patent 7/14
			To Comm of Patents- Rqsts specns of listed applications. 7/18 W
			To Commissioner of Patents- Cost of patents will be charged to acct of Eng 7/26 W
			To Comm of Patenst- Reqsts cc of patents 8/11
			To Patent office- Reqsts photostatic cc of plan and specen 8/16
			Patent Off. Belgian patent 163516 not published. 8/22 W
			To Washn rel charge of copies 9/20
			Patent Office- Statement of account 9/26 KW
			To Comm of patents- Reqsts be furnished cc of patent 10/7
			To S&A-- gives instrns 10/9
			To Patent office - Reqsts be furnished cc patent 11/3
			To Patent office- Reqsts cc of specens 11/9
			To Commissioner of Patents- Reqsts cc of patents 11/10
			To Commissioner of Patents- Rqst copies of patents. 11/14 WK
			To Patent Office- Request copies of patents be furn. 11/14 WK
			To Patent Off- Request be furn with copies of patents 11/14 WK
			To Patent office- Gives instrns 11/16
			To Patent office- Reqsts cc patents 11/21

PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.
622879	5/9	W. F. Grimes	Request patent rights on a device for regulating the period of a circuit. W.
625837	5/23 5/27	Naval Intelligence Dept	Fwds translation for letter from J.G.Schaefer concerning his radio inventions. W. Dept 6/14 Copy letter to J.G.Schaefer W Fwds Dept 3/23/23
625556	5/31	To C Francis Jenkins	Prismatic discs-- will be glad to receive an offer, conditional upon sucessful development of invention covering use and manufacture (By the navy) for Govt use exclusively W
626914	6/6	Cutting & Washington	Request license be given Co for use of patents listed . W. To Cutting & Washington Radio Corpn-- comments 6/10 Cutting & Washington Corpn 6/12 Request put through license for exchange of patents listed W To Cutting & Washington Radio Corpn- Gives comments 6/15

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Number.	Date.	From or To—	Subject.	
627865	6/9	Patent Office	Patent applications with prints received from Engineering ~~ind~~ not properly packed W	
628622	6/17	No source	Memo by W Div giving summary of situation in re patents design, mfg & sale of sound appratus W	
531233		from card 40	To Dept Acceptance of license from Wendell L Carlson- 6/22 W To JAG 6/21 RB 7/6 W To W.L.Carlson via Wash- Fwds license 7/12 W	

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[OVER.]

PATENTS RADIO

Number.	Date.	From or To—	Subject.	
619111	4/20	To Submarine Signal Co	Reqst be furnished copies of the patent applications W Submarine Signal Co.- Ask if satisf time for conference. 4/27 W. Submarine Signal Co. 5/2 W. To Sub Sig Co- 5/4 Submarine Signal Co. Fwds copy of case. 5/12 W To Patent Office- Reqsts print 6/10	
580656	4/21	To Me Leroy M E Clausin	Gives comments on patent application cc Chasn	896
603681	fwded from card 56 TO CARD 65		To The Commissioner of Patents Reqst be furnished cc of patent on enclosed list W 4/25 Patent Office- 4/24 W. To Patent Office Reqst cc of patent 4/27 To Patent Office Gives Instrns 4/28 To Patent Office Reqst copy of each of listed patents 5/4 To S&A Reqst check be forwarded to Commissioner of Patents for payment of patents 5/9 To Patent Office- Reqst be furnished one photostatic print 5/13 To Commissioner of Patents- Reqst listed patents 5/17 To Patent Office -- Reqst print 5/20 To Patent Office Reqsts Print 5/23 Patent Office- Request correct patent data 6/7 W To patent office- Reqsts copy of patent 6/7 To Patent Office Reqsts Print 6/8 To Patent Office— Reqsts be furnished cc of patent 6/9 To Patent Office- Reqsts cc of listed patents 6/13 **To Patent Office- Reqsts cc of patent 6/24** Patent Off- Fwds radio patent. 6/27 W To Comm of Patents- Rqsts print 6/30 W	

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PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.	
620592	4/28	To Comdr A H Taylor via CO Anacostia	Transmits patent granted April 23 on application prepared and file by Bu W	
620981	4/25	G. Klem	Invention cov submarine wireless telegraph device- ask if interested in- will fwd sample. W. To G Klem- 5/11	
621870	5/9	To A H Taylor via CO Anacostia	Conveyance of License to the United States Government Fwds copies of W To Dept Fwds six copies of license 5/16 RB 5/24 with copies of license. W. To A Hoyt Taylor via CO Anacostia Fwds cc license 5/26	
622607	5/5	Pug. Sd.	Fwds letter from R. H. Marriott with data for possible patent on heart shaped diaphrams or sounding boards. W.	
622880	5/9	W. F. Grimes	Request patent rights on a device for automatic energy absorber. W.	

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Number.	Date.	From or To—	Subject.	
617059	4/3	New Era Press Assn.	Request inform as to numbers of stations purchased and date of purchase from Federal Tele.Co. W.	
576711	FROM CARD 49		Commercial Cable Co.- Lists patents for which licenses are required. 4/12. W. To The Commercial Cable Co- Gives Action taken 4/21 To Commercial Cable Co- impossible to grant license 6/29	
618945	4/14	J. B. Brady	Fwds affidavits of applications for patents on telephone receivers for radio telegraphy. W To G W Carpenter Fwds cc Amendment 5/6 To J B Brady- Amendment of application 5/6 To W L Carlson via Wash Fwds cc of amendment 5/6 J. B. Brady- 5/10 W. To Comm of patents- Reqsts prints 8/8 Patent Office- drawing not approved. 8/12 W To S&A Fwds Invoice 7/8/24	

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[OVER.]

PATENTS RADIO

Number.	Date.	From or To—	Subject.
615931	3/30	To S&A	Payment of Final Fee of $20.00 on Application of Max Mason- Regst check be fwded to Commissioner of Patents W R Dept. of Justice- Govt fee should be paid before 4/1. 3/30 W
605978	FROM CARD	57	Fed. Tele. Co. Fwds form of suggested letter to CO7 in conn with Taylor patents. 3/31 W. To Fed Tel Co- Gives arrangement to be complied with 4/6 Fed. Tele. Co.- 4/11 W. Fed. Tele. Co. 5/23- Fwds powers to inspect all pending U.S. applications assigned to Fed. Tele. Co. or A. Taylor. 5/23 W MI- Request copy of contract with Fed. Tele. Co. 5/25 W. To Fed Tel Co- Ack receipt of patent applications 6/7 To Fed Tel Co-- Gives Inform 6/10 To MI- 6/19 Fed. Tele. Co. Status of patent suits. 6/19 W
616841	3/7 ?	War Dept JAG	918 Horton Patent- radio apprs for airplanes - compensation for use of by government. W. Fwds Judge Advocate General 4/6

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Number.	Date.	From or To—	Subject.	
566139	fwded from card 47		To Glenn W Carpenter-Reqsts that each enclosed papers be executed and returned to Bureau W 3/15 To Dept Fwds six copies of license 4/6 To Glenn W Carpenter Fwds license 4/20	
615931	card 62			
613938	3/15	Anacostia	Fwd request of A. H. Taylor for patent on regulation of voltage for tube sets. W. To S&A - Fwds Invoice 5/15/23	
614324	3/17	Patent Office	Application of Taylor & Young #317066 - request final fee be paid. #. To-- Gives Action 3/21	

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Number.	Date.	From or To—	Subject.
566140	fwded from card 48		To Glenn W Carpenter Ack receipt of print of special vacuum tube W 3/20
615124	3/23	Washn.	Fwds request of W.L. Carlson Laboratorian for patent on radio frequency amplifier. W. To Radio Lab via Comdt Washn Fwds cc specen and plans 8/4 RB from Washn. 8/18 W
	card 71		To The Commissioner of Patents- Fwds application papers 9/8 W
616110	3/28	Sperry Co.	To Sar- gives instrns rel check 9/9 Request information rel to award on patent of speed fan for wind driven generators. W. 918 To Sperry Gyro Co- Gives Inform 3/31 Sperry Co.- Request prompt settlement. 4/18 To Sperry Gyroscope Co- Gives inform 4/29

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[OVER.]

PATENTS RADIO 1922

Number.	Date.	From or To—	Subject.	
610780	2/16	Ware Radio	Ask if can secure license for manufg of radio frequency amplifier. W To Ware Radio Co- Asks which patent is considered of interest to govt 2/24 W	
611544	2/27	J. B. Brady	Fwds associate power of Atty. in application for patents on telephones receivers. W. To returns application 3/15	
611620	2/27	W.F.Grimes	Request patent on new type of wave length control. Submits description & diagram W To S&A Fwds Invoice 5/31/23	

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PATENTS: RADIO 1922

Number.	Date.	From or To—	Subject.	
611435	3/3	To Alien Property Custodian	Ask if office has completed list of all patents if so requests cc of list be furnished Bureau W. Alien Propty Custodian- Have not spare list of radio patents. 3/6 W.	
609952	3/7	To Dept	Fwds 6 copies of license from Mr Dewees H Shallcross W RB 3/25 W.	
613981	2/8	Europ Forces 791	Fwds cpy of letter from K. Poltz offering and instrument for long distance riding and long distance steering of torpedoes by continuation of electric waves. W.	

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[OVER.]

PATENTS 1922

Number.	Date.	From or To—	Subject.	
414474	FROM CARD 15		H. Pratt 2/8 W To Haraden Pratt- Fwds copies of patent 2/28/23 To S&A Fwds Invoices 3/21	
552674	fwded from card 44		To Dept- Acceptance of license from Alfred Crossley- Recommends final acceptance W 2/13	

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Number.	Date.	From or To—	Subject.
609493	2/14	To A I Gardner	Ask when may expect interview in matter of conflict between the patent application of Lr Hammond and Emp of Dept W Radio Engrg Corpn of New York.-Asks if conference 4/3 satisf. 4/28 W. To Radio Eng Co of NY- Gives Inform 5/2
556834	FWD	FROM CARD 46	To The Commissioner of Patents- Fwds application papers of Rudolph H. Stein. 2/18 W To R.H.Stein via NY- Copy of licence fwd 7/12 W. RB from N.Y. 7/22 W. To Dept- Submits Recomdn 7/28 RB 8/3/W To R H Stein via NY- Fwds cc license 8/8
609952 card 60			
609959	2//8	To The Commissioner of Patents	Fwds application papers of Arthur M. Trogner cov improvmts in "Electrical Protective Arrangements." To S&A-reqt check for $15.00 payment of filing fee be sent Commissioner of Patents for application of A.M.Trogner-2;20-WR To Dept- Fwds license 7/13

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[OVER.]

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Number.	Date.	From or To—	Subject.	
431273		fwded from card 22	To Leo C Young via Anacostia Amenement in application; Fwds W 1/28 To A H Taylor via Anacostia Fwds amendment of application 1/28 To S&A- Reqst ckeck be fwded to Commissioner of patents for payment of final fee 3/18 To Patent office Fwds license 4/29 To Judge Advocate Gen Fwds license 6/7	
606527	1/28	To S&A	Payment of filing fee of $15.00 on Application of W F Grimes W R To Patent Office Fwds application papers 2/4 To Dept Fwds 6 copies of license 3/9 RB 3/28 W.	
607772	2/8	To Judge Advocate Gen	Licenses to Govgt under Radio patents of former Govts employees from Radio corpn of America- Fwds copy of agreement- G Hill and G Clark W	

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Number.	Date.	From or To—	Subject.
544605		fwded from card 42	To C H Watson R Lab via Comdt MI- Fwds Bu let Dec 23- With Instrns W 2/3 To MI- Gives Instrns 3/21 MI- Papers not retd by Watson. 4/17 W.
607777	2/7	To Judge Advocate Gen	Fwds recorded licenses W To Judge Advocate General Fwds licenses as listed 4/29 To J A G- Fwds license 11/29 To J A G- Fwds license 11/29
607776	2/8	To Patent Office	Reqst copies of domestic patents and photostatic prints of foreign patents required, rendering a monthly statement W Patent Off- 2/17 W

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[OVER.]

1922

Number.	Date.	From or To—	Subject.	
497026		fwded from card 35	To Comdr A Hoyt Taylor Anacostia via CC- Fwds cc amendment W 1/19	
605716	1/19	Lowenstein Co.	Request copy of letter showing amounts awarded on patents. W. To-- Fwds copies of letters sent by Interdepartmental Radio Board W 1/20 Lowenstein Co.- Request copy of Boards letter. 1/26 W. To-- Gives Inform 2/8 Lowenstein Co. 2/9 W.	

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Number.	Date.	From or To—	Subject.	
597670	FROM CARD 52		A. I. Gardener 1/24 W. Hammond Labr Comments on invention for supporting and unreeling antenna. 3/14 W To--Gives Instrns 3/18 Jno. H. Hammond Jr.- Fwds copy of formal abandonment. 10/2- W.	
605978	1/24	To Fed Tel Co	Intentions Reqsts Bu be kept advised immediately when inventions are made with all details concerning them. W Fed. Tele. Co. Lists applications pending. 2/2 To Fed Tel Co-comments-2;18-W Fed. Tele C 3;3 W Fed. Tele. Co. Fwds power of Atty. 3/11 W.	
CARD 6				
606552	1/25	Anacostia	Fwds application for patent of Cmdr. A. H. Taylor for signalling relay- tracing of enclosed. W. To S&A - Reqsts check be forwarded 5/18	

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Number.	Date.	From or To—	Subject.	
603681	1/11	To Commissioner of pat ents	Reqst thet the patent office furnish the Radio Div Bu of Eng cc of patent listed W	
			To Commissioner of Patents-reqt copies of three patents-3;2-W	
			To-- charge for copies of patents shld be placed against account of Bu Eng Dept 3/9	
			To-- Reqst copies of patents listed 3/17	
			To-- Reqst cc of patents 3/18	
			To Patent office- Reqst cc of patent 3/21	
			To Patent office- Reqst print 3/21	
			To Comm of Patents- Reqst cc of patent 3/28	
			To Comm of Patents- Reqst copy of patent 4/6	
SEE	SEE CARD 63		To Comm of Patents Reqst patent 4/7	
			To Comm of Patents- Rqsts copy of patents listed 4/15 W	
			To Comm Patents- R sts listed patents 4/15 W	
			Patent Office- 97 patents mailed 4/13. 4/17 W	
			To Comm of Patents- rqsts photostatc copy of specns 4/22 W	
598361		Fwded from card 53	To G W Pierce Gives Action taken 1/13/22 W	

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Number.	Date.	From or To—	Subject.
603991	1/13	To Dir Communications	Reqst chief Radioman F C Smith be authd to testify in patent interference Lowenstein v Hill and Clark v Clark when reqested W Communications- Copy action to JAG. 1/13 W Dept- Copy action toCommunications. 1/18 W.
Bu Reqn 49	Eng 22 1/13	To S&A	Coupons for copies of patents from patent office WR cross Patent office
604605	12/22 1/14	Europ Forces Communications	Fwds correspondence regarding inventions of a transmitter by A. K. Koulikoff, Russian radio engineer. W. Fwd Dir Intelligence 1/25 Naval Intelligence 5/13 W Naval Intelligence -fwds correspondence rel to. 7/14 W To Dir Intelligence- does not desire further negotiations with Mr Koulikoff 8/22 W
577578	FROM CARD 49		CO OHIO Specifications from Ensign H. B. Herty. 1/19 W To Patent office Fwds application papers 1/24 To S&A- Gives instrns rel check 2/2 To- via NY Fwds instrument 2/17 CO OHIO Fwds copy of license by H.B.Hearty 2/23 W To JAG-fwds 6 licenses-3:1-W To S&A- gives instrns rel check 3/14 To H B Herty via CO Fwds cc license 3/21 To H B Herty via CO-- comments 4/21 To S&A - Gives instrns rel check Fwds invoices 10/20/23
	RB 3/18 with copies of signed licen		

PATENTS 1922

Number.	Date.	From or To—	Subject.
603129	from card 55		To Prof Mortion arendt- comments 1 10/5 W S To J E Jecoy via CO Fwds cc of license 10/5

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
602573	FROM CARD 54		Boston 1/5 W To Boston- no further test will be required 1/11/22
603127	1/6	To E H Talbert	Fwds a rough draft of a patent application intended to cover an improvement on sound Clarifier or Interference Eliminator of Chief Electrician W J Scott W E. H. Talbert- 2/18 W To E.H.Talbert-2;25-W E. H. Talbert- Returns drawings and specifications. 2/28 W.
9 603128	1/7	To Gunner J E Jocoy via CO OHIO card 55 A	Fwds photostatic copy of U S Patent to Fay W To J E Jocoy via CO- Gives Action 4/6 To Prof Morton Arendt- Fwds cc of Amendment 6/22 To J E Jocoy via Comdr Sub Base NL Fwds cc of amendment 6/22 To Gunner J. E. Jocey- Fwds licence 7/12 W RB 7/24/22.W To Prof Morton Arendt-Fwds licence 7/27 W To Dept- Fwds copies of license 9/18 RD 9/26 from JAG with license. W

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Number.	Date.	From or To—	Subject.
447184	FROM CARD 32		Federal Tele.Co. 1/6 W.
			To Messrs Knight Brothers- Reqst Inform 1/13
			Knight Bros- Document will be retd when suit is settled. 1/16 W
			To Messrs Pennie Davis Marvin & Edmonds Gives Status of contract 1/24/22 W
			To Fed Tel Co Fwds correspondence 1/24
483858		fwded from card 32	To Henry L Lyon Fwds cc of amendment filed in the application of Edward H Loftin and yourself on improvements in Radio Signalling- 1/11 W
			To S&A- Payment of final fee of $26.00 on application of Edward H Loftin and Henry L Lyon 1/28
			To Comm of Patents- Fwds license 8/8
			To H H Lyon- Gives Inform 8/16
			To Lt Comdr E H Loftin- Fwds patent 8/16

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[OVER.]

Number.	Date.	From or To—	Subject.	
601323	12/6	JAG	Fwds copy of agreement between Western Elec.Co., GE Co., and Submarine Signal Co. and United States on patent interference.W	
601414	12/16	H. Pratt	Request status of patent application which Bureau is prosecuting in patent office for himself. W. To-- Recst comments 12/24 Gives inform H. Pratt- Fwds copy of Butcher's patent. 1/12 W.	
592976	FROM CARD 51		JAG 12/27 W.	
590243	??	Wireless Spec. Corpn.	Rel to patent clauses in contracts for radio material. W.	876

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Number.	Date.	From or To—	Subject.
602573	12/30	Ramsey Hoquet (T)	Request use of vessel at Boston Harbor 1/5-6-7-, for testing sound signalling apparatus. W.
CARD 55			To Boston-- Expenditure authorized cc 1 Dist NY- Cambridge 12/31 To Ramsay Hoquet- Gives Action 12/31 To 1 Dist- Regst suitable district vessel be made available for tests cc Boston- Ramsay Hoquet- Harvard University- Annapolis 12/31
602181	12/29	To NY (T)	Permit attorneys Sheffields and Betts to take deposition or testimony Ensign Lc-Whorter in patent interference W
		1922	
8 603005	12/7 12/31	H.M. Horton Dept	Request composition for use of patent coy radio instln in airplanes. W. Fwd Judge Advocate General 2/4, RB 4/12/22 W. Fwds Judge Advocate General 4/12
602619	1/3	To Ramsay Hoquet	Gives comments on test of special apparatus W To--Dr T G W Pierce harvard University (T) Ask to send one copy of report on tests of special sound apparatus W1/3/22

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[OVER.]

Number.	Date.	From or To—	Subject.
599330	12/7	GE Co. (T)	Representatives of Radio Corpn Westinghouse Co. Wireless Spec.& GE Co. will confer with Bureau on patent policy 12/12or 12/13. W. To GE Dec 13 Agreeable for conference 12/8
598361	12/7	To G W Pierce Craft Lab Harvard University	States agreement recently consummated provides for a manner of settling the interferences on sound apparatus in case Western Elec Co exercises option between yourself and Dr. Hayes. W
56	To-Ramsay Hoguet- test of apparatus gives inform cc Dept of Justice 12/17		~~To-GE--Co-(T)-13-Dec-agreeable-for-conference-12/8~~
	To G W Pierce H c Hays- Ramsay Hoguet 12/17	Gives Action cc	Geo. Pierce 12/13 W.
599074	12/6	Exp Sta	G.W.Pierce- Fwds report of test- 1/9- W Sound interference between patent appli- 797 cation cov developments by Navy- rout Dr. Pierce design apparatus and General Radio Co. Manufg. W
599651	12/3	J. F. Burke	Request conferace rel to radio license matters. W.
600297	12/15	Nav.Academy (T)	Tate rsal going on leave 12/16 W

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Number.	Date.	From or To—	Subject.	
564872		fwded from card 47	To Dr Harvey C Hays via Annapolis fwds cc of license for files 12/14 W To H C Hayes via O-I- C Annapolis- Fwds cc action 11/24 RB 12/4 W	
600674	12/14	N.Y.	RFwds request of H. H. Buttner for patent application for use on further circuits in cpnn with mush and harmonic interference. W. ToH H Buttner via NY Gives Action12/30 To H H Buttner- reqsts comments cc NY 6/19 To Mr. H.H.Buttner-Rqsts comments 7/26 W	
600306	12/17	To NY	Interview of Attorney for Hill and Clark and Clark in patent interference with Ensign McWorter CC Sheffield and Betts 12/17 W To Phila via Judge Advocate Gen- Reqst photostat copies of letters listed le expedited cc Sheffield and Betts 12/17 To Navign via Judge Advocate Gen- Reqst photost cc of letters le expedited cc Sheffield and Betts 12/17	

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[OVER.]

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Number.	Date.	From or To—	Subject.
594474	11/7	To Dept via Judge Advocate General	Agreement between the Western elec Co Gen Elec Co and Sub Signaling Co on the one hand and the U S of A on the other hand in the matter of settlement of Various patent interferences involving applications of Government inventors Drs Pierce, Mason and Hayes W
595525	11/14	To NY- 3 Dist	Officer of the Day's log book of Belmar Radio station required in patent interference in Tayler Vs Weagant- W 3d Dist. 11/19-Dock cannot be located 11/19 W
595526	11/14	To S&A 8 9167 ?	Reqst shipmt of batteries from MI to SO Cavite W
595528	11/14	To Philip Farnsworth	Returns plates listed W P. Farnsworth 11/19 W
595996	11/18	To 15 Dist (T)	Ask if Wave changer or parts installd- W
596510	11/25	To Charles Speaker via O.I.C. Bu Standards	Conveyance of license to the U S Government- Gives instrns W Bur Stand Labr- Fwds copy of license by Charles Speaker 12/1 W. To Dept Recommends acceptance of license 12/6 RB 12/21 W. To Bu of Standard Fwds license 12/23

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Number.	Date.	From or To—	Subject.	
597100	11/28	To Judge Advocate General	patent interference Hill and Clark v Lowenstein V Clark Gives detld inform; prompt action recommended W	
597670	11/29	To J Hays Hammond - Hammond laboratory	ask when will be in Washington in order that the features of patent applications may be discussed W	
			To-- A I Gardner- patent application of Mr Hammond- rel visit of to Washington 12/5	
CARD 57			A. A. Garner- 12/6 W	
			To A. I. Gardner- gives correct number of application 12/7 W	
			To A I Gardner Reqst inform rel plans 1/ 23	
598294	Dr. L.	W. Austin & E. B. Judson	Fwds request for patent on telephone current comparator W.	
			To Mr. Elbert W. Judson- F ds copies of specns 6/26 W	
			To Dr. Louis W. Austin via Bu Standards. Fwds specns 6/26 W	
		card 70	To patent office fwd Reqests plan 7/10	
			To S&A- Reqsts check be forwarded patent office for payment 7/10	
589084		fwded from card 50	To Dept Solicitor Acceptance of license from Mr John E Miller- recommended 12/6 W RB 12/21 W	

[OVER.]

Number.	Date.	From or To—	Subject.
592915	10/26	J. W. Pearce	Fwds copy of patent agreement entered into with Western Elec Co. W. To Mr. Ramsay Hoguet-Copy of patent agreement between Western Elec Co and Doctors Pierce, Mason and Hayes. W 10/31
593144	10;25	W Division	Memorandum of telephone conversation with Western Elec Co relative to sound patent interference Pierce Hayes case.W
592976	10/12	J.M.Sherridan	Request report rel to status of development of inventions of the Title Insurance & Trust Co.W
		J.M.Sherridan- Replies to letter of 11/12- 11/17 W.	To- Gives instrns 10/29
CARD		To Judge Advocate Gen- Gives	To- Gives deltd inform 10/29
54		Action taken 12/1	J. M.Sherridan - Rqst Bureau prepare form and of license cov piloting cable. 11/4 W-C
		To J M Sheridan- Gives Instrns 12/1	To- Gives Action taken 11/12
		J.M.Sherridan-Takes exception to re-reprimand in addressing individuals-12/3 A	Fwd Judge Advocate Gen 11/12
592992	10/31	To Mr. Ramsay Hoguet	Rqsts Dr. Jewett be called and reminded of his promise to keep advised W
592974	11/1	To Mr. J.D.Darby	Enclosed copy of Dr. Austin's paper on "Comparative tests of various types of Detectors" W
593658	11/2	To R H Armstrong	Suggests that you consult with Mr Beehme and advise Bu as to whether or not suggestion is one that Co might be willing to consider- W Manufacture and sell radio apparatus W
589294	11/17	To Dept J A G	Acceptance of license from L W Austin and E B Judson W. RB 11/27 with signed copies of license W To Dr L W Austin via O-I-C Bu Standards- Fwds copies of license 11/29

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Number.	Date.	From or To—	Subject.
588025	from	card 50	Emery, Varney, Blair & Hoguet- Returns copy of patent agreement 11/2 W To Western Elec Co- Gives detld inform cc Ramsay Hoguet- H E Knight 11/5
593893	11/4	To P Farnsworth	Fwds document reqst receipt be acknowledged W P. Farnsworth 11/7 W.
593894	11/4	To J J Cosgrove	Returns document ask to acknowledge receipt W Sheffield & Betts 11/17 W
593895	11/4	To J F Methershead	Fwds publications Ask to ack receipt of W
593896	11/4	To messrs Knight Bros	Fwds documents ask to ack receipt of W Knight Bros. Fwds records and documents. 11/9 W Dept 11/9 W

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Number.	Date.	From or To—	Subject.
588025	9/30	To Western Elec Co	Gives Inform rel patent rights of Messrs, hayes Mason & Pierce Dept Justice W
GARD		Emery Varney Blair Hoguet-10/24 W	To Western Elec Co- Gives comments 10/12
51		To--Gives inform 10/25	Western Elec Co. Explains situation. 10/18 W
		Western Elec. Co. rel to simplifying patent interference involved. 11/2 W	To-- Gives inform cc H E Knight 10/21
		R. Hoguet- (T) Western Elec. & GE Co. consider proposition favorably. 11/1 W	To -- Gives inform cc H E Knight- R Hoguet 10/21
588904	7/25	Fish, Richardson & Neave	Fwds in re to claimants infringement. W.
			To -- no further action taken- ;Gives inform 10/7
588912	10/8	To RobertH Marriott via Pug Snd	Fwds smooth draft of specens of application for improvements in spark gaps W
		Pug.Sd. 11/21-Fwds copy of license. W	Pug Sd 10/17 Fwds oath W
			To --Comm of patent fwds papers and plans 10/25
			To S&A Reqst check for $15.00 be fwded to commissioner of patents- 10/25
			To R H Marriott via Pug Snd fwds instrument 11/8
			To R H Marriott via Pug Snd Fwds license 1/21/22
589083	10/8	To Charlest Speaker via Washn	Patent application covering improvements in means for locating sunken ships- metals and the like- Fwds specens W RR 11/4 W
			To S&A Gives instrns rel check11/8
			To U S Patent office Fwds papers 11/8
589084	10/8	To J M Miller via Bu Stds	patent application covering improvements in Amplifiers W
		To Patent office Fwds application papers 11/10	To Washn- Reqst status of work assgd to design problem 10/11
52		To S&A Gives instrns rel check of $15.00 11/10	J.M.Miller- Fwds copy of specifictions petition and oath. 11/8 W
		To J M Miller via Washn- Fwds instrument 12/1	J.M.Miller-Fwds copy of license-12/1 W
589589	10/10	To messrs Sheffield & Betts	Radio corpn of America vs Radio Audion Co infrdngement of fleming patent Ask if any objection for govt taking steps to protect interests in the premises cc GE Co W
		To Gives Action 10/20	Sheffield & Betts- 10/13 W
		To Darby & Darby- Gives inform ation 10/20	To--Gives inform cc Dept justice 10/15
			To Sheffield & Betts-Gives Action cc Dept of justice 10/15
			Darby- Darby- Rqst assistance of Dr. Miller and Lt. Kitchin 10/17 W.

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Number.	Date.	From or To—	Subject.	
591541	10/19	Emery, Varney, Blair & Hoguet	Taylor Vs Weagant request Comdr Taylor be present at hearings W Emery Varney Blair & Hoguet- 12/13 W	
591541	10/22	To Rob S Blair	Due to the shortage of apprn for travel the bu Navign may not issue the neccy travel orders W Rob S Blair-10;27-W	
592283	10/24	Exp. Sta.	Fwds copy of letter to Dr. G. W. Pierce rel to disposition of hydrophone patents to W.E.Co. W	
552248	10/25	To S&A	Payment of filing Fee of $15.00 on application of report of Re H Marriott W	
(See 911 for other corresp).			To Commissioner of patents Fwds application papers with plans-10/25 To Robert H Marriott via Pug Snd Fwds instrument 11/8	
592				
592656	10/24	Battery Park Natl. Bank	Request status of bill to Lowenstein Co. for invention. C W.	
		To--	Gives inform 10/29	
590937	10/26	To G T Royden Radio Lab	Patentability of battery charging system W MI- Fwds letter from G.T.Royden submitting patent specifications and suggestions cov battery charging system. 11/29 W M.I. 6/14 G.T.Royden request action W	
FWD TO CARD 66			To radio laboratory via mi gives info on 6/22	

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[OVER.]

Number.	Date.	From or To—	Subject.	
546464 from card 42			To Prof. E. Merritt- fwds papers W 7/15	
575385	2;11 7;15	C.D.Ehred SOL	Reqt copies of licenses to International Radio Corpn and Independent Wireless Co under patents acquired by Dept from Federal Tel Co. W Fwd Solicitor 8/5 Sol--Fwds letter from Commerical Cable Co. for recommendation. 8/30 W	
574564	7-18	To Secty	Fwds copies of license, J.E. Parker. W RB 7/30 W.	
576711 TO CARD 62	7;18 Commercial Cable Co. 11/16 W. Dept 16 11/25	Commercial Cable Co To Judge Advocate General Fwds cc Com Cable C let nov To Commercial Cable Co- Gives Action 11/25	Reqt license under certain telefunken patents seized by Alien Property Custodian and purchased by Government. W Solicitor-Fwds application of Commercial Cable Co. for licence under Govt patents 7/27 W fwd Sol 8/1 fwd Sol 8/4 Fwd Solicitor 9/2	
577578 CARD 56	7/20 7/27	Ensign H. B. Herty CO OHIO	Fwds request for application on a device for distant radio or sound control of Mobile bodies, machry, etc. To NY- Reqst Inform 12/23 To Ensign H. B. Herty via CO OHIO- Fwds specens 1/7/22	
578523	8/1	Dept	Fwds corres with F.S. Chapman relative to his claims that Govt used his invention without recognition covering anti-submarine inventions W	674

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PATENTS RADIO 1921

Number.	Date.	From or To—	Subject.	
579093	??	??	License by A. H. Taylor cov improvements in re-radiation of radio or similar signals. W To Comdr Taylor 8/10	
578783	8-27	To Pref E.Miller	Fwds copy of license W To S&A- Fwds invoice 8/23	
583368	8/18 8/18 8/30	Lorenzo Butts Washn. Yd Invention Divsn. Rewards	Wave length indicating mechanism-securing of cash prize award. W. Fwd Dept 11/12 RB 11/25 making cash award of $200. W. Fwd Butts- Mr Lorenzo G via Comdt Washn 11/26	
583848	9/3	Bar Harbor copy	Quotes intercepted message rel to heterdyne patents. W. 898	
586416	9/12	W.E.Woods	Request assistance in getting patent on a circuit to eliminate static W To-- Gives Action 9/22	
586301	9/23	To Harry E Knight -	J.H.Bruninga 8/15 Ask if patent was filed W To J H Bruninga- gives inform 8/24 rel progress of Sound interferences Reqst to be informed of any negotiations taking place or actions taken by Patent office or attorneys W Dept of Justice 10/3/21 Have received notice from Patent Office granting of patent to Max Mason W	

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[OVER.]

PATENTS: 1921

Number.	Date.	From or To—	Subject.
566140	6-2	To Glenn W Carpenter Fed Co.	Fwds copy of specfns and claims with prints of drawing in conn patent W
card 61		To Fed Tel Co Gives Action 1/26 G.W.Carpenter 2/20 Fwds copy of corres W	Fed. Tele. Co.- Asks status of applications. 11/29 W Fwd Washington 12/13 RB 12/15 W Wash. 1/18 W
ENG 12	6-1	To S&A	Rel payment of 15/00 filing fee for filing of patent application of A.H. Taylor WR
ENG 12	6-1	To S&A	Rel payment of 15.00 for fee G.W. Carpenter WR
ENG 12	5-31	To S&A	Rel payment of fee for J M Miller WR
568001	6/4	Inter Departmental Radio Bd.	Fwds complete copy of report in loose leaf form for printing. AW. fwd Sec 6/9
568425	6/7	Washn.	Fwds draft and patent application by C. Speaker on method of locating sunken ships, etc. W.
568622	6-9	To R.H.Marriott via Puget Sd	Fwds draft of specifications. W Pug. Sd.- Fwds drawings and specifications 6/22 W
568024	6-9	To J.M. Miller via Bur Standards	Fwds draft of proposed patent application W Bur Standards Lab-fwds specns-7;12-W
568882	6/9	Sheffield Betts Legislation	Have recommended to Senator Wadsworth that the Dent act be amdended so as to allow interdepartmental board to settle claims against Govt for unlawful use of radio patents. W.

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PATENTS 1921

Number.	Date.	From or To—	Subject.
569277	6/7	Fed·Tele·Co.	Request return reports of Laboratory work performed by Dr. DeForest while in Co's employ W To Fed Tel Co 6-21 To Fed Co 6-22 Fed·Tele·Co. 6/27 W
544607	from card 42		To Lt Eaton- fwds copy of license 6/30 RB 7/16 To GE Co- 7/19- (B·R· Cummings) To GE Co Fwds instrument, Reqst papers be fwded to Bureau 7/22 To Mr. Byron R. Cummings- Papers not recd 7/12 W
572472	?	Patent Office	Fwds copy of license A·H. Taylor cov improvements in simultaneous transmitter· W.
572730	?	E?	License by A· H. Taylor cov improvement in re-radiation of radio or similar signals.W To Secty fwds copies 7/5 RB 7/20 W.
573483	6;30	TBwing	Reqt arrange for conference relating to wireless patents.W
559292	7-12	To Dr. H.C. Hayes, via Expr Sta.	Radio telegraph- additional information on preparation of specification W

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[OVER.]

Number.	Date.	From or To—	Subject.
564508	5/16	Independant Wireless T. Co.	Fwds copies of application for patent for Shoemaker & Farrand W. To 5/20
564005	5-18	To Dept Justice	Gives information in re suit of Vreeland Apparatus Co against Internatl Devices Co. in conn patents on radio communication W. Dept of Justice- Rqst further inform. 5/26 W To Dept Justice 6-6
564966	5/18	Solicitor	Fwds letter from A. N. Edmunds offering to sell patent cov improvements in radio receiving apparatus. W. fwd Sol 6-7
564006	5-19	To Chas Speaker	Fwds specification covering improvement in means for locating sunken ships, metals and the like. W
564872	5-20	To H.C. Hayes, via Expr Station	Fwds draft of proposed patent application for method of and apparatus for the trans of fluids thru pipes or conduits. W To Dr Hayes- 8/13
SEE CARD 53		To Harvey C Hayes via Annapolis - Fwds instrument 9/26 To Dept Fwds cc license 11/25	To S&A 8/18 To Patent Office 8/18
564883	5-23	To Harvey C Hays via Anna fwds void To R. Hoguet	None of patents listed in letter of 5/18 included in transfer to U.S. from Alien Property Custodian of siezed radio patents W To R Hoguet 5-26
566133	5-28	To Comdr Hooper	Transmittal of patent to self and G.H. Clark W
566524	5/27	Dept	Fwds copy of patent and description, by Capt. G. Hill covering wave changer for radio transmitters designed for use on two or more antennas- also general data regarding claim, in conn with. W 905

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PATENTS 1921

Number.	Date.	From or To—	Subject.
566135	6-1	To J M Miller via Bur Standards	Fwds copy of specifications and claims with print of drawings W
		To M Miller via Bu Standards- cc amendment 3/21/23	Fwds to J M Miller 6-28 Bur Stand Labr-Returbs licence signed by J. M. Miller. 7/26. W. To J M Miller 8/10
566138	6-1	To Patent Office	Fwds specifications and claims with drawings of invention by A.H.Taylor. W To A.H. Taylor fwds 6/2 To Comdr Taylor 6/28
566136	6-1	To Patent Office	Fwds specfns and claims with drawings of invention by J M Miller W
566142	6-1	To Patent Office	Fwds license of S.C. Hooper and G.H. Clark in conn patent, also license executed by Radio Corpn in re to w
566139	6-1	To Patent Office	Fwds specifications and claims with drawings covering invention by G. W. Carpenter W To G W Carpenter 6/30
	card 61		To-- Fwds instrument 2/8 G.W.Carpenter-Rqst fwd copies. 2/18 W
566906	6-1	To N.Y.	Reqst photostat copies of letters be fwded to Sheffield & Betts W NY 6/16 W
566145	6-2	To W.L. Carlson	Fwds license W
566904	6-2	To W.S. Webster	Fwds license W To-- fwds cc amendment Gives instrns 1/10/22 To Mr W. Stuart Webster- Changes may be made 1/27 W
~~566138~~ xxxx	~~6-2~~	~~To A.H.Taylor~~	To S&A - Gives instrns rel check 10/20/23 Fwds copy of specfns and claims W

Number.	Date.	From or To—	Subject.
557044	4/7	Fed. Teleg. Co.	Will fwd complete list of all patents, patent application and other rights acquired by Co. W.
550029		SEE CARD 43	To Solicitor Fwds cc license W 4/12 To Solicitor Fwds cc licenses 4/13 RB 5/14 W To J.M.Miller- fwds copy of license 5/19 To Secty 7/30 RB 8/5 W. To Prof. Merritt-Acknowledges receipt of license . 8/5 W. To Solicitor- Recommends formal acceptnace of license E. Merritt. 8/6 v W. RB 8/18 W To Dept Submits recomdns 11/30 To Dept Fwds cc of license 11/30 RBc 1/17 accepting license of R. H. Marriott. W (2)
556834	4/12 To NY rel visit of E L Keeler-11/12 CARD 59	To IM NY	Patent application covering mat for method of constructing thermo couples developed by R H Stein instrument maker W N.Y. 4/25 W To R H Stein via NY Fwds Specens 1/21 RB 2/16 from NY
555882	??	???	License by W. S. Webster cov useful improvements in rheostat. LW. To Solicitor Fwds license 4/25 RB 5/20 W
560264	4;22	Federal Tel Co	Fwds list of United States patent and patent appliances.W

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PATENTS 1921

Number.	Date.	From or To—	Subject.
560811	5/2	To Anacostia via CO 26	Transmits letters patent-granted on April application for which was prosecuted by Bureau W
561187	5/3	To J H Miller Bu Stand Lab 5/23 W Bur Stand Lab Fed. Tele. Co. 6/1 - Proposition satisf to Miller. 6/1 W.	Combined inductance coil and condenser for Amplifiers W J. M. Miller - Fwds rough draft of patent application. 5/7 W. To J M M. fwds 5/20
561521	4/26	H. Pratt	Fwds affidavit rel to patent controversy between Navy Dept and Fed. Tele. Co. C. Fed. Tele. Co. 6/7 W To H Pratt- 6-21
5612072	4/28	Independant Wireless	T/Co. Takes stand that they have every right granted from license of Navy Dept. W/
558554	5-7	To Attorney General	Commends Dept of Justice E.G. Curtis as representative work in conn patent litigation for past two years W
559292	see card 48		Atty General 5/13 W fwd Asst Sec 5-20
555211	FROM CARD 45		Radio corpn of America-Rcst data on Clark & Hooper case on radio antenna. 5/10 W To Radio Corpn 5/19 W

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[OVER.]

PATENTS 1921

Number.	Date.	From or To—	Subject.	
554053	3/25	A. Serna	Subm sketches of electrical device for possible use in radio. W. To -- Gives inform 3/31	
554492	3/26	E.C.Hanson	In conn with using long wave lengths for maintaining wireless communication to and from Submarines and controlling torpedos, wireless for aircrft battle etc. Ask if patent satisf. W	791
555113	4/1	Solicitor Contracts, Sol	Fwds copy of contract 1541-A with Fed.Tele.Co. whereby all rights in Fed.Co. patents transferred t to Govt by contract of 5/15/18 or resold to Co. W.	
555211	4/2	Radio Corpn America Radio Corpn America 4/22 W To Radio Corpn 5-4 Radio Corpn of America-Rqst return of Clark's copy. 5/9 W Radio Cpn.Amr.Fwds separate assign.for Clark 5/9 W	Fwds licence agreement of Hooper-Clark also separate endorsement giving assent of Radio Corpn to the licence- improvements in receiging. W. To S&A. Rqst check as listed be fwded 4/20 To Radio Corpn Gives inform 4/20	
558769	FROM CARD 41		Radio Corpn of America 4/2 W.	
556128	4/7	Ordn	Request pay final fee cov patent of E.Merritt on submarine sound detector. W	797
555882	see card 46			

TO CARD 46

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PATENTS 1921

Number.	Date.	From or To—	Subject.	
544506	FROM CARD 42		Boston- Fwds copies of licence by W. B. Burge Burgess. 4/5 W. To Boston via Comdt- Reqst all evidence including notes be furn which would tend to show conception of invention prior to Aug 19 1919 4/9 To W.B.Burgess-fwds action from Patent examiner-reqt info-3;2-W	
459105		SEE CARD 27	To Lt W A Eaton via Comdt- Fwds cc if license 4/5 W To Westinghouse Fwds cc of amendment 4/5 To W A Eaton via CC-Fwds amendment of application 11/25 To Westinghouse Elec & Mfg Co- rel amendment of 11/25 To Westinghouse- Fwds cc action 2/16 To W A Eaton via CO Fwds cc of Action 2/16 To Westinghouse Co- Reqst comment 4/6 Westinghouse E/M Co. 4/12 W. To Westinghouse Co Fwds cc Amendment 4/19 To W A Eaton via CO OHIO Fwds CC of Amendment 4/19	
544608	FROM CARD 42		Bur Stand. Lbr. Fwds licence signed by J. N. Miller. 4/6 W To- via Bu Standards Fwds cc of action 2/14 To J M Miller via O-I-C Bu Standards- Fwds cc of application 6/22	

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[OVER.]

Number.	Date.	From or To—	Subject.
551472	??	??	Licence by A. H. Tayler to Govt to use invention of useful improvements in radio receiving circuit. W.
551630	9/1/20	Knight Bros	Fwds report on Schlamilch and Von Brenk patent for means for receiving electrical oscillators. W.
512811	8/24	To Fed Tel Co	Rqst fwd resume of status of radio patent 876 applications. W Fwds status of patent applications not yet allowed. 10/L
551974	3/18	To Commissioner of patents	Fwds specens claims and plans forming application filed by James E Parker for improvements in systems of modifications 1 To S&A. Reqst check for $15.00 be fwded Comm of patens- 3/19
552679	3-19	C.J.Mar	Reqt certain information rel to the Federal Tel Co contract with the Govt.C To-- Gives inform 3/21
552674	3/21	A. Crossley	Request obtain patent for protecting device for kite balloon. W. To Patent Office fwds application papers 1/11/22 To S&A Reqst check be fwded 1/12/22
59			
552737	3/18	Cdr. G. C. Sweet	Fed.Tele.Co. sold all patents etc to Navy Dept retaining only a right to manufacture. C.

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PATENTS 1921

Number.	Date.	From or To—	Subject.
552501	3/22	To Glenn W Carpenter	Fwds smooth draft of proposed patent application for liquid rectifier;specens and plans will be fwded at later date W
	To G W Carpenter 5/23		G. W.Carpenter-Fwds patent application for liquid rectifier. 5/16 W
552967	3/22	Washington	Fwds request of H. E. Reppert for patent on concentric variable condenser adjustment W
FWD TO CARD 66			To H Reppert via Washn- Fwds specens 5/6— —RB 6/10 from Wash Yard W
			To patent Office- Fwds application papers with plans of letters Hugh E Reppert 6/15 /22
			To S&A-- rel invoice 6/16/22
553089	3/24	To Edward T Jones	Fwds patent granted on march 22 application for which was prosecuted by Eu on your behalf W
			E. T. Jones- 3/28 W.
553616	3/24	Ordn.	Patent application of P. W. Bridgman cov vibration absorbing lounting -rqst arrange for payment of fee. D.
			To Ordn Fwds cc eng let 4/2 4/5
553881	3/23	Emery Varney Blair	Hoguet Fwds copies of correspondence between National Elec.Sup Co. and Wireless Specialty Apprs.Co. rel to compensation charge for Johnson's services. W.
553091	3/26	To G E Company	Fwds cc of let to Western elec Co re number of patent interferences involving sound signaling and sub detection apparatus W
	To GE Co	Gives inform r/5	
	To Ramsey Hoguet	Gives inform 4/5	GE Co.- Suggest conference be post poned. 3/31 W
			To Harvard Univ Dr G W Pierce Gives inform 4/5
553090	3/24	To Western Elec Co	Suggest conference be had at time of Comdr Hooper visit to Bureau cc Ramsay Hoguet W
			Western Elec.Co. 3/31 W.

PATENTS RADIO

Number.	Date.	From or To—	Subject.
548640	2/14 2/23	Cost Inspr Fed. S&A	Cost of assigning patents- fwds contractors letter with statement of charges for services rel to payments of patents pertaining to US Govt. W. fwd Sol 3-7 RB 4/15 W. Fwd S&A 4/20
548384	3-3	To G. W. Carpenter via Comdt Washn	Reqst return of paper enclosed, with comments or suggestions W Washn.- Fwds rough draft of speficns and claims in proposed patnet application. 3/11 W
549397	3-5	To R. Smith Army & Navy Patent Bd.,	Reqst furnish copy of patent is sued to H.J. Round, on 2/15/21 W
549204	11/23/22	To S&A	Payment of final fee of 20 on applicatio of H. J. Kitchin W R
	card 72		To H. Kitchin via CO UTAH- Fwds patent 1/5/23 W
549405	3-7	To Comdr Hooper	Fwds copies of licenses for signature and return to Bureau W To -- Fwds cc license 3/23
549205	3-8	To Patent Office	Reqst drawings of Hooper and Clark for radio rec antenna be corrected without charge W To G.H/Clark- fwds papers 3-11 Radio Corpn America- Will fwd new agreement.3/14 W To Comm of pate nts Gives instrns 3/24
550506	3-9	To C.J.Mar	Comments in re letter of March 5th asking information as to patents and shore stations of Fed Tel Co. C
391836	3-9	To Comdr Taylor	Fwds papers for execution and return to Bureau W To S&A. Gives instrns 3/23 To Patent Office fwds license 5-10-21

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PATENTS: RADIO 1921

Number.	Date.	From or To—	Subject.	
550029	3-9	To Secty	Acceptance of licenses from A. Crossley. W	RB 3/16
	To Dept Fwds licensed 3/23RB 4/30 W		To Sec- 3-12 acceptance of licenses	
46	To Solici or Fwds license 4/1 To		of Comdr Hooper CD Palmer and A.M.Trogner - W	RB3/16
	To Solicitor Fwds cc licdnse RB 4/12;9-W		To Solicitor Record accep 3/19 RB 3/24 W	
550573	3/8	H. W. Johnson	To Solicitor Fwds cc of licenses 3/23 RB 5/18 W	
			Subm rough draft of contract revising and interpreting agreement between Navy Dept and Fed. Tele.Co. with detailed comments on. W	
			To--- Reqst cc license 3/18/22	
550367	3/8	Radio Corps America	Fwds papers in case of Clark & Allen on 919 radio compass correcting devices. W	
			To--George Y allen Fwds cc of sp cens and claims 3/23	
551139	2/28	Stuart Ballentine	Suggest Govt. take out patent on his compensator for use with radio compass. W.	
	Dept- Fwds correspondence for recommendations. 5/7 W.		To- 3-14	
	Fwd Dept 7/2	RB 7/11	To-- Gives inform 4/5	
	Dept-award of $500 made-7;7		S. Ballentyne-Subm comments requested.3/15 W	
551099	??	??	Licence by G. T. Jones cov use of underground and under water systems. W.	
550752	3-12	To Patent Office	Fwds specfn, claims and drawing forming appln	
	To G H Clark Fwds cc of license 4/29/22		of G.Y. Allen and G.H.Clark- W	
65	To G Y Allen Fwds cc license 4/29		To-- Fwds instrument 2/9/22	
	To G H Clark- amendment of 6/10/22		Radio Corpn- Fwds copy of license 4/7/22 W.	
			To Dept- Fwds copies of licence 4/14/22 RB 4/26 W	
551314	3/10	Nav.Attache Copenhagen	Copy- Request look up U.S.Patent cov criptophone invented by Tigerstedt -advise if interested in purchase. W.	
551190	3/12	J. M. Miller	Fwds description of new type of amplifier or shore radio valves- rqst patent be obtained.W	
551317	3/	??	Cpy of licence by W. J. Scott cov use of claraphone by Govt. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
539155	FROM CARD 41	To G W Carpenter - Fwds amendment of improvement 1/3/23	Wash n- Fwds application of G. W. Carpenter together with description and prints gov patent on liquid rectifier. 2/2 W. To Washn- reqst investigation- problem 102 2/5 To G.W. Carpenter 3-9 Washn. Fwds licence from G.W.Carpenter.3/19 W S. W.Carpenter- Ask status of his patent. 2/18 W. To G.A.Carpenter-comments re-2:25-W
543991	2-4	To Haraden Pratt	Fwds patent, granted on 2/1/21 W H. Pratt 2/12 W.
544605	2-4	To Mare Isln	In conn M.I. special report 5 of October 20 1920- Bur considers involving patentable matter, and reqst individ make reqst for filing patent in his name W
58	MI- Subm description of improvements in radio communications for patent.8/8 W MI- Fwds letter from C.H/Watson asking if Bureau will prepare patent application 11/29 W		To C H Watson via MI- Fwds specen and claim 12/23
544607	2-4	To Lt W.A. Eaton	Fwds patent application of yourself and B.R. Cummings - for signat re W
48 card	To S&A Reqst Check as listed be fwded 4/20 To Cummings Fwds specens and plans 4/20 To Lt Eaton via Washn Fwds speden 4/20		Washn-Fwds patent application of Lt.W.A.Eaton an B.R. Cummings. 4/11 W Comm of Patents Fwds Specen 4/20
544608	2-4	To Dr J.M. Miller Bureau of Standards	Fwds draft of patent application for Universal amplifier. Reqst comments. W
TO CARD 45	J.M.Miller- Fwds description of coil 2/15 W. To— Fwds cc of license 3/29/21		J. M. Miller- Fwds revised draft of patent application. 2/14 W To J M Miller 3-3
544027	2-7	To Independent Wireless Tel Co	Fwds cop of contract between U S and Fed Co as reqst i letter of 1/31 W Independant Wireless T Co.- 2/24 W.
544506	2-8	To W. B. Burgess via Comdt Boston	Fwds draft of patent application for compsn for radio compasses, for signature W
TO CARD 45	instrument 3/23 To Warren Burg via Boston Fwds		Boston- Fwds prints. 2/17 W. To W B Burgess fwds 2-23
545211	2-10	To W L.Carlson via Cdt Washn	Reqst description of invention W Washn- fwds further description of invention 3/2 W To- via Washn- Gives Inform 2/8/22
543345	2-14 To Sec 2-14 To Sec suggest Prof F be advised claim should be made to War Dept 2/14 To Sec 2/14	To Secty	Detailed comments in re claim of R.A. Fessenden for renumberation covering amount expended in developing inventions used by government W To Sec returns folders and exhibits 2-14

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PATENTS: RADIO 1921

Number.	Date.	From or To—	Subject.
REON 356/21	2-12	To S&A	Rel payment application of A.H Tayler and L C Young WR
REON 12/21	2-12	To S&A	Rel payment application E T Jones. WR
517573	FROM CARD 38		Knight Bros- Subm status of situation. 12/28/20 W.
546464 card 49	2-16	To Prof Ernest Merritt Cornell University	Fwds draft of proposed patent application for method of and means for determining phase difference. W
	To- 6/9	E. Merritt- Fwds specifications of 44 patent applications. 6/21 W	E. Merritt- Comments. 5/12 W To E Merritt 6-1 To Patent Office 6-24 To Prof Merrite 6/24
		To S&A 6/24	
548224	2/18 2/24	Fed. Tele.Co. Dept	Request authority to examine license granted by Dept to Westinghouse E/M Co. covering patent inventions of Fed / Tele.Co., contract 2/15/18, between Navy Dept, Poulsen Wireless Corp and Federal Tele Co. W. fwd Sel 2-28
548343	2/18	Chasn.	Fwds copy of description of method for obtaining radio frequency interrupted at musical frequency by means of a vacuum tube supplied from a low frequency alternating current source, by . M.C Clausing; ask if patent can be secured. W.
		Chasn-Fwds report of L.M.E.Clossing cov application of vacuum tube for radio transmitter system. 5/17 W. To Comdt Chasn 6/23 To Comdt Wash- 6/25	To Chasn via Comdt Reqst for search of patentability W 4/1 To Chasn via Comdt Gives Inform 4/2
		Washn-Fwds correspondence in conn with rqst of L.M.Clausing for patent on improvement in spark tube transmitters. 7/25 W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
535393	12-21	To Naval Intelligence	Reqst info rel method of British government in settling claims against that government in infringement of radio patents.	W
	of letter 2-9-21		Nav. Intelligence 2/3 W	
			To Interdepartmental Radio Bd fwds copy	
ENG 12	12-21	To S&A	Payment of $20.00 final fee for issuance of patent to H.Pratt on "Radio Telegraphic Receiving System"/ application filed 7/21/19 allowed 10/22/20 W-R	
536265	12-23	To Key West (T)	Reqst inform re receipt of radio Wave changer shipped from Washn to Key West W. Key West- (T)- Two wave changers shipt to Washington Yard, 12/24 W. Key West 12/24 W	
537136	12-31	To Secty	Reqst auth to instruct officers attend hearing in conn with proposed act H-R 11984- W	
	C&R 1/4- Fwds correspondence. W. fwd Secy 1-7-21		1/Sept- Fwds copy of letter to Chairman of Comm on patents requesting Navy representative be allowed to submit inform to Senate and House conferees.	
537699	1/3/21	To Lt Eaton via Comdt Washington	Fwds rough draft of proposed patent application of yourself and E.R. Cummings. RB 1-17	W
537				
538769	1-8	To G.H.Clark	Reqst expedite return of papers in conn patent appl of yourself and Comdr Hooper, also G.Y.Allen. W To G.H.C 1-25	
TO 45		Radio Corpn of America	To G.H. Clark 1-13	
	CARD-H.Clark-Fwds signed application cov patent 1/14		To Radio Corpn 1-19	
	To G.H.Clark 1-19			
538778	1-10	To Alex Chessin	Reqst fwd letter in conn patent extended to Dr Owens W	
	To A. Chessin 3-7		Crawford Mach Tool Co.- Subg suggestions. 2/5 W	
			To A. Chessin- 2-11-21	
			A Chessin- 2/14 W.	
			Crawford Mach Tool Co/ 2/17 W	

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PATENTS RADIO

See 471366 878 products

Number.	Date.	From or To—	Subject.	
TO CAP 42 539155	1/8 1/8	G. W. Carpenter Washington	Applies for patents to cover utilizing high voltage alternating current for plate and filament supply of vacuum tubes. W Washm- Request Yd be assigned rsch problem on development of liquid rectifier for use on vacuum tube trams. 2/2 W. To GW C 1-25	
539862	1-14	To Pennie, Davis, Marvin & Edmonds	In conn with testimony given by navy personnel in patent litigations. W To Messrs Darby & Darby- ditto 1-15 SS	SS
540376	1-14	To E.J. Nally Radio Corpn.	Fwds copies of letters rel to patent situation as reqst phone conversation W	
ENG 356/20	1-22	To S&A	Rel payment on application of Chasn Speaker. WR	
542585	1/10	G. H. Clark	Patent for multiple tuning of receiving antenna- states Alexanderson's patent covers transmitting only and does not conflict with Hooper Clark patent. 875. W.	
ENG 12/21	1-28	To S&A	Payment of 15/00 filing fee on application of A Crossley WR	
544027	1;31	Independent Wireless T Co	Fwds copy of letter from Fed Tel Co taking exception to government granting Independent Co license to make and sell arcs under Poulsen patent. W To 3-7	
542326	3;12	EC Hanson	Complains against naval authorities at M IS mutilating his radio note book.	876

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[OVER.]

PATENTS: RADIO:

Number.	Date.	From or To—	Subject.	
531233	11;23	Washn see card 64	Fwds request of W.L.Carlson for patent on method of modulating C.W.signals in and radio receiving circuit submitting drawings of description.W To Request check 2/7 To Patent office Fwds application papers 2/7/22 To W L Carlson-- via Washn Fwds copy of license 5/20 RB 6/14 W	
531130	?	Y	In conn with claim of Jno Firth before inter-Departmental radio board. W.	
531129	?	?	Report on validity of patent of E. C. Hansom on wireless transmission energy. W.	
531474	11/27	A. L. Young	Wave length indicating device- for wave meters- request patent. W. fwd Comdt Wash, 11/29 RB 12/11 W fwd Sec 12/21 RB 12/28 W	
531153	11-27	To W.B. Burgess	Fwds draft of specfns and claims in patent application for radio compass compensators. W	
532150	11;26	Fed Tel Co	Gives numbers of letters patent issued to company.W Memo by Cr.r.Hooper- Rel to assignment of patents of employees of Fed. Tele.Co. to A. Taylor. 2/5 W.	
531968	11/22	Cdr.A. H. Taylor-	Application for patent on system of continuous wave reception without heterodyne- fwds print showing arrangement of. W.	
532235	12-2	To Haraden Pratt	Fwds drawings in patent application for methods of radio telegraphic communication W To H. Pratt 3-9 H. Pratt- Fwds executed licences 3/21 W To- Fwds cc licenses 4/12	

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PATENTS Number.	Date.	From or To—	Subject.	
532108	12-6	To Morton Arendt	Fwds new specification- reqst return with signature W	
534033	12/2	Pennie, Davis, Marvin And Edwards.	Fwds substitute power of Atty in matter of Prof. Hazeltine application for "Method and Electric Circuit Arrangement for Neutralizing Capacity coupling" W.	
534329	12-13	To Sect Patent Office-2/1 W.	Fwds copies of license by H Pratt. W RB 1-18-21 To Patent Officereqst license be recorded 1-21 To Haraden Pratt. fwds copy 1-21	
534566	12-14	To Naval Observatory	Fwds data on drift correction device subm by J.Dugan W To J Dugan 12/14	
533608	12-14	To Comdt Wash ERROR	Reqst yard transmit on schedule outlined etc see 898 card	
ENG 12	12/13	To S&A	Fwds invoice reqst payment H Pratt radio telegraphic communication WR	
532991	12/4	Hammond Labr	Fwds patent application showing proposed method of control of aircrft by radio.	918
535181	12/16	Sheffield & Betts (T)	Request furn authority for inspection of apparatus at N.Y. Yard. W. To N.Y. Tel 12/17	
535584	12/10	Pennie Davis Marvin Edwards	Acknowledges receipt of signed substitute power of Atty in matter of application of Prof. L. A. Hazletine. W	

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[OVER.]

PATENTS RADIO

Number.	Date.	From or To—	Subject.	
525098	10/9	Airship Detch. Eng.	Fwds request pf Lt. M. H. Esterly for patent on loop aerial system. W.	
525444	10-29	To G H Clark	Reqst sign petition and specens enclosed and execute oath and return papers W. To Radio Corpn of Amer.- fwds amendment 1/16/23	
525733	11-2	To Nav Intel	Austrian patents to Nick Sandor, covering method of telegraphing sketches, photos and handwriting- Reqst secure copies Dept- 1/13 W.	W
527151	11-3	To Ramsay Hoguet T	Change of conference to Friday 10 AM satis	W
526071	10-27	Emery, Varney, Blair & Hoquit	Request conference and immediate assistance in conn with several cases turned over to them; W	
526777	11-1	A. Crossley	Request for patent application on receiving apparatus for radio piloting cable and similar uses; S	
527604	11-8	To G.H.Clark Westinghouse E/M Co. 3/4 W	Fwds copy of proposed patent application of yourself and G.Y.Allen, for improvements in compass correcting devices- To G Y Allen- asks rel application 3/2	W
528251	11-10	To Haraden Pratt	Fwds patent application papers for signature W H. Pratt- Returns papers properly executed. 11/16 W.	

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Number.	Date.	From or To—	Subject.	
528270	11-12	To M.Arendt Columbia University	Fwds papers in conn w proposed patent application of yourself and Lt. Jocoy, for submarine communication systems. Cdr. M. Areadt- Recommendations covering changes in patent application. 11/15 W. To M Arendt 3-3	W
528264	11-12	To Cuthell, White, Hotchkiss & Mills	Cannot recommend to Dept expenditure of funds in excess of agreement with N.Sandor for appr., Gives comments on case. Cuthell, White, Hotchkiss & Mills- Subm comments on proposed contract. 11/19 W. To former decis adhered to 11/29	W
	Cuthell White Hotchkiss & Mills- 12/2 W.			
528263	11-12	To L.Wilson, C/o British & Canadian Society	Suggests Mr. Rogers and representatives meet with Dept of Justice in order to make settlement of patent interference of Willoughby & Lowell vs Rogers.	W
529644	11-17	To E.T. Jones	Will keep you advised on progress of action taken by patent office on application E. T. Jones- Compares Rogers and Hewitt systems. 11/11 W. ???? License granted by E. T. Jones cov improvements in underground antenna. W.	W
	To E T Jones 3-5-21 To-- Fwds cc of license 3/29/21 To Comm Patents Fwds cc license 4/1			
529				
530318	11/17	Internatl R/T/Co.	Ask if Navy has on hand a receiving set of early date in conn with interference proceeding with Vreeland. W. fwd Washn 11/23 RB 11/30 W. To Internatl Co 12/2 RB 1-12/21	
	Internatl R/T/Co. Rqst assistance 12/4 W. To Internatl Co 12/9			
523723	11/12	To Dept	Rqst authority to employ Mr. R. Hoquet at $100 per day as council in securing patents for Navy employes, in submarine detector. Note- handed to Secty by Chief. -Secty ruled against employing council; also against policy in securing patents for Navy Dept. employees.	797.
530776	11/22	Sheffield & Betts-	Request P. B. Finney, Chasn. Navy Yard be authorized to give testimony in conn with patent interference Hill Clark vs Lowenstein.W	
	~~xxxxx826~~ fwd Secty 11/26			
see 896-1 also				

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Number.	Date.	From or To—	Subject.	
515826	9-9	To Louis Cohen.	Acknow copy of patent application. Action being taken to investigate this type of apparatus. (See 510007)	W
Reqn 12	9/10	To S&A	Rel payment of filing fees for filing patent applications for govern ment invento rs WR	
516558	9/14	To R Houget	Returns copy of agreement in re license f r Dub Co. W	
517573	9-18	To Telefunken Berlin	(T) Knight Bros have not recd 4 certified	
TO CARD 42	To Telefunken Tel 11-30		German applications in Arco Meissner interference	
	To Knight Bros 12/2		Please send additional certified applications at once.	W
	Knight Bros-Rqst furhher instrns. 12/6 W		To Knight Bros 9/20 (T)	
	To Knight Bros 12/13		To Telefunken(T) 9-25	
517998	9-20	To Fed Tel Co	Advise rel patent issued to H.F. Elliott assigned to Augustus Taylor W	
			Fed. Tele Co. 9/29 W.	
			To--Re descrepancies in assignment patents.11/27	
			Fed Tel Co Gives reason for assignment.12/23	
			To Fed Co--Rel to assignment. 2/14/21	
517997	9-20	To Knight Bros.	Acknow copy of decision in rel Meisnner vs Pupin & Armstrong.	W
			To Knight Bros 9-27	
			Knight Bros.-Fwds Meisner's Brief on Appeal. W. 5/20	
			To Knight Bros 5-24	
467027	(from card 28)		Lovenstein Co: have no license under Halfberg patent; W 9-16.	
			fwd Sec 9/23 RB 10/18 approved. W.	

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PATENTS: RADIO 1920

Number.	Date.	From or To—	Subject.	
518014	9-21	To Comdt 3rd Dist	Reqst permission for visit to Sayville of E.W. Vaille. W copy 3rd Dist and CO To G.H. Clark, C/o Radio Corpn. rel above 9/21 To E W Vaill rel above 9/21	
518438	9-23	To Alfred Crossley	Amendment in patent application on antenna cable, filed 6/24-19 Fwds W	
519126	9/23	Chas. Speaker	Patent application for reduction of harmonicz in oscilating room, hetrodine receivers. W. To Charles Speaker via Comdt Washn- Gives inform 3/15	
520021	9-30	To Knight Bros	Fwds com from Ptent Off rel VON ARGO et al vs ARMSTRONG. W To Knight Bros 10/8 Knight Bros- Calls attn to discovery of new evidence. 10/5 W.	
520972	10/4	Sturtevant and Mason	Are willing to disclose subject matter of letters, patent of Cpt. J. Robinson, gov improvement in radio direction finder. W. 919. To-- Reqst cc of application 10-25 Sturtevant Mason - Fwds copy of application 11/11 W. To Sturtevant & Mason 11/22	
521118	10/4	Dept	Fwds copy of agreement with Internatl R/T/Co. in conn with exchange of licences on radio patent. W. fwd Sec 10/8	
523146	10/14	Solicitor	Fwds copy of letter to War Dept in conn with exchange of licences on radio patents between Internatl.R/T/Co. and United States. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
509398	8/2	GE Co.	Acknowledges receipt of contract; request amendments. W. To G.E. Co. 8/5 modification was never consumated W	
509974	8/5	Washington	Fwds patent application of G. W. Carpenter i in conn with receiveing radio signals by means of telegraphone. W. To G.W. Carpenter. acknow 8/11	
510007 see 515826	8/3	L. Cohen	Fwds copy of patent application covering improvements in loop circuit reception. W. To Anacostia. rel above 9/11; RB 9-18; W	
508662	8/2	To Secty via Sol	Radio telegraph- proposed contract between International Radio Co and government for exchange of licenses under radio patents. W	876
510861	8/9	Solicitor	Fwds copy of contract 2967 with Internal R.T.Co. for right to conduct radio operative and material business W.	
457795 3 old number see 898 457793 card 290	8-13	To Westinghouse EM Co Amer R&R Corp; 10-28. W American R/R/ orpn- 8/10 W. Westinghouse E/M Co. 8/10 W	Copy of specfns fwd your E Pitts works To Firms. reqst if can subm for ttests trans tubes. 8/19 American R/R Corpn- Suggest conference for developing plan of procedure. 9/25 W.	W
512640	8/16	Radio Corpn of America	Request list of all foreign patents. W. To Radio Corpn. 8/21	

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PATENTS RADIO

Number.	Date.	From or To—	Subject.	
513835	8/22	E. T. Jones	Asks status of his patent on underground coil. W. To. 8/27	
513609	8-27	To Secty	Radio patents owned by government, or which the government has license.	W
	To Fed Co. reqst info rel patent from Mr. Cohen. 9/9/20 To Internatl RT Co. rel action being taken. 9/9 Fed. Tele. Co.- 9/24 W.		To Westinghouse EM Co- Fwds copies of agreement between Internatl RT Co. reqst comments. 8/28 International Radio Tel Co-lists addtl patents that should be added-9/3	
REQN 12	8/27	To S&A	Rel payment of filing fee for patent application of A. H. Taylor. WR	
513610	8-28	To Secty War	Proposed contract between Amer Tel & Telegraph Co., and U.S. Reqst expedite action. War Dept- Acknowledges. 9/3 W.	W
REQN 61/629	8-30	To Patent Office	Fwds invoice covering patent fees on the application of Chas. E. Fraser, for new and useful improvements on schtls.	Kc
514074	8/25	N. W. Dorsey	Gives information on invention for arc and commutation and pressure rectifier. W. J. W. Dorsey- Arrangements satisf. 9/2 W J. W. Dorsey- Subm outline proposed work to be undertaken by Bur Stand. W. To Bur Standards fwds prelim info 9/17/20	
	Bur Stand Lab- Subm specifications covering commutating device. 10/22 W			
515823	9-9	To Fed Tel Co.	Representative of Co may examine records at office of Knight Bros in re to interference in application of German patent purchased by govt from Alien Property Custodian.	W

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[OVER.]

PATENTS: RADIO 1920

Number.	Date.	From or To—	Subject.	
500456	6-21	To Direc Nav Intell	Earl C. Hanson, reqst authority to discuss inventions with Chilean Embassy.- Nav. Intelligence- Copy of action to Chilean Embassy. 6/23 W	W
500674	6/17	M. R. Hutchison	Messrs. Meyers & Sutherlin leaving for Washington to install Hall relay and recorder in room 2428; will also investigate securing patents, inventions by civilian personnel. W.	
497028	6-26	To S&A	Payment of $30.00 filing fees on patent litigation of Chas Speaker on Wireless telegrap and telephone systemes W R	
500894	6/29	To Philip Farnsowrth Wireless Co	(T) Capt Hepburn arrive NY Wed evening	632-1
49355	6/29	Amer R&R Corp	Fwds proposed draft of licensed agreement SW	629
503152	7/3	To Westinghouse Co	Returns lists of radio patents- W	
503518	7/6	Westinghouse E/M Co.	Ask if patent of E. Risz has been taken over by Alien property custodian. W. To Westinghouse. rel patons 7/30	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
503890	7/7	Washington	Fwds request of Lt. W. A. Eaton, radio aid, and B. R. Cummings for patent covering method of chopping or interrupting continuance waves at an audio frequency. W.	
503990	7-9	To Wm. S. Webster	Fwds draft of proposed patent application for rheostats. Reqst execution and return. W To W S Webster 3-9 ~~To-- Reqst instrument be returned 4/12~~	
EMG 12	7-15	To S&A	Payment of 15.00 filing fee for patent application of Alfred Crossley on "Electrical Piloting Systems. WR	
505532	7/14 OHIO Report made 7/12 W.9/6	CO OHIO	Fwds request of Gunner M. Kenny for patent on arc signalling circuit. W To Gunner Matthew Kenny- acknow 8-12 To M.K. suggests fwd data rel arc signalling circuit. 8/31/20	
505688	7/16	Dept	Under water wireless presented by P.E. Stogoff through O.W.Wiran- fwds full corres in connection with. W	875
507061	7/20	G. C/ Sweet	Fwds copy of letter recd from Radio Power Corpn rel to developements being made by it, and agreement with Navy Dept. W.	
508280	7-29	To Boston(T)	Authorize radio aid wheeler to break down mica condensers in testifying in suit Dub versus Wireless. W	

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[OVER.]

PATENTS RADIO 1920

Number.	Date.	From or To—	Subject.	
495714	5/21v	Independant Wireless Tele Co.	Rqst Lt. Commander Loftin be authorized to give Co. technical advise. To- no objection- 5-25	W.
496128	5/24 5/25	Norf. Dept	Beneficial suggestions by H. E. Hallborg covering 1/2-1-2-5-and 10 KW radio transformers. W fwd Sec 8/21 RB 8/26 W.	
496552	5/26	Vreeland Appr.Co.	Fwds copy of unpaid bill, covering royalties. W To S&A- fwds 6-2	
497026	6-3	To Comdr A.H.Taylor Anacostia Laboratory	Fwds draft of proposed patent application on radio receiving circuits. Rqst com ments W	
497028 see 36	57 Washn 7/8 W	To W.L.Carlson- via Washn- fwds copies for execution 3/7 Washn-Fwds licence of W.L.Carlson. 3/19 W	Anacostia- Returns draft of proposed patent application. Same is satisf. 6/5	W.
497025	6-3	To Wendell L. Carlson Radio Test Shop Washn	Fwds draft of patent application in conn with claims of yourself and G.W. Carpenter. Asks comments. W	
498948	6/9	J. B. Brady	Lists patent numbers which pertain to the system of relaying radio messengers thru a circuit of radio stations	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
499949	6/14	Dept. of Justice	Comments on contemplated purchase by War Dept of Krupp Patent covering construction of field gun.	W.
498954	4/22	Radio Division	Humorous comments in conn with patent issued to Prf. Pickard for method of melting sleet and ice from antennas.	W.
498504	6-12	To George H. Clark	Fwds description subm by Capt Hepburn and yourself, as a basis for securing patent protection on several ideas described therein. Reqst further data. W	
499161	6-14	To Lt J.E. Jocoy	Reqst fwd info in re to patent application W	
499167	6-15	To W. S. Webster Wireless Spec App Co.	Reqst fill out data sheet enclosed, covering proposed patent application, returning same to Bureau W	
499168	6-15	To Lt Carlton D. Palmer Anacostia	Reqst return data sheet enclosed, covering proposed patent application W	
499162	6-15	To Morton Arendt	Reqst fill out enclosed application W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
489783	4-29	To Dubilier Cond Co	All reqstd for navy records should be made to Solicitor. W copy DRMO Brook To Comdt N.Y. rel phone conv. 4/29 cc DRMO Brook To Ramsey Hoguet- are reqstg N.Y. deliver Dub condenser 6-4	
490668	4/29 Wireless Spec.Appr.Co. 5/26 W To Wireless Spec Co. -info rel Interdept Bd. 6-5	Shipping Board	Fwds copy of letter from P. Farnsworth to Wireless Spec.Appr.Co. in conn with infringement of Company's patents To Wireless Spec Appr Co. copy Ship Bd/ Calls attention to matter before Interdepartmental Radio Bd. Asks comments 5/11	W
491433	5/6	To S&A	Rqst check for $15. be fwded to Commissioner of patents for payment of filing fee, in application of Alfred Crossley, invention of radio control apparatus.	WR
489781 TO CA,d 67	5/5	To WM. E. Woods.	Fwds rough draft of proposed patent application. Rqst fwd complete specifications. W. RB 5/15 W.	
492895	5-12	To R.P.May	Reqst fwd description of invention.	W
492894	3/15	To H.R. Eccleston	Confirms phone convn covering services appvl of same- will place reqn in order contract will be made with you. W	
493222	5-13	To Radio Corpn	Confirms reqst that trial of suit of Co v\z Audiotron Co on Fleming patent be delayed pending negotions of Interdepartmental Bd.	W

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Number.	Date.	From or To—	Subject.	
494167	5/18	To Haraden Pratt	Fwds copies of patents, reqst comments in re to your receiving systems appear to be patentable over each of patents H. Pratt- Subm detailed inform rel to patents applied for. 6/8 W	W
SE 1561	5/17	To S&A	Rqsts paymt of invoices to Vreeland Apparatus Co. WR	
494741	5/19	H. O. Boehme	Have been appointed sole representative of Gesellschaft Feur Drahtless Telegraphic of Berlin, with full power of attorney; rqst information rel to patents formally owned by Atlantic Communications Co. To H.O. Boehme - advise further 5-25 H. O. Boehme- 6/29 W. To HOBoehme- 1-20-21	W.
494957	5/19	CO OHIO	Fwds report of Gunner M. Kenny with sketch showing signalling key for high power arc sets. To Gunner Kenny via CO OHIO- advise details in re reduction to practice 5-25 fwd Comdt Washn 6-3 RB 6/16 W.	W.
494913	5-21	To G.H.Clark Radio Corporation of Amer	Fwds rough draft of specification and claims in patent application of yourself and Comdr S.C. Hooper for radio antennae. Reqst comments. W To reqst review and return with comments 7/9	
495390	5/22	J. M. Miller	Fwds description of new system for amplification of electrical oscillation of high frequency.	W.

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Number.	Date.	From or To—	Subject.	
486510	4-12	To S&A	Status of radio contracts- patent situation Reqst fwd- Lists W RB 4/16 giving status of contracts. W	
486511	4-12	To S&A	Reqst fwd info in re to status of radio contracts, patent situation. W RB 4/27	W.
486512	4-12	To D.N.I. 652	Reqst translation be made of German patent relating to radio telegraphy enclosed. W RB 4/24 W.	
488307	4-19	To C.S. Speaker, Bureau Standards	Fwds specfns and claims of applications for patents. Req t comments. W C Speaker- Detailed comments on. 4/23 W To C Speaker 3-9-21 Washn- Fwds addtl patent instruments. 3/15 W To C Speaker- Fwds amendment 1/16/23	
488315	4-20	To S&A	Req t photostat copies of correspondence W S&A 4/22 W	
488316	4-22	To Wireless Spec. Appr Co Wireless Spec.Appr.Co. 5/14 W	Asks what privileges you are prepared to grant Dept in return for continued use of Bureau designs, in mfg of radio apparatus W Wireless Spec.Appr.Co.-Have eliminated claims to patented inventions. 4/28 W To- comments on letter of 4/28 5/12 If interests will allow, will discuss proposal in re to apparatus. A	920-1
488756	4-21	To G.C. Sweet Engr Radio Power Corpn	To G.C. S. 4/22 confirmation of understanding of conference on 4/21 gives summary	

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PATENTS: RADIO

Number.	Date.	From or To—	Subject.	
488317	4-23	To G.Y.Allen	Fwds draft of specification and claims of yourself and G.H.Clark, for radio compass correcting device. Reqst more data on W	
489145	4-24	To Ramsey Hoguet	Reqst conference in re to litigation by Marconi Co under Fleming valve patent and involving audiotron mfg by Audiotron Sales Co in California. W	
489782	4/28	To Fed. Tele.Co.	Rest inform as to consideration given Fessenden patent during period Fed Co/ operated stations where signals were trans by chage of frequency secured by inducetnce shunt key. W. Fed. Tele. Co. 5/26 W	
446388	FROM CARD 26		Benj. Meissner- Will be in Pensacola, latter part of May. 4/27 W. To Pensa- reqst be allowed make examination of records 4-29 To B.F. M. rel above 4-29	

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[OVER.]

Number.	Date.	From or To—	Subject.	
480932	3/9	E. C. Hanson	High speed telegraphone transmitting system- subm information in conn with, with drawings. W	
481987	3-17	To Attorney General Dept Justice	Reqst your Dept take over defense of interference in patent to George Von Arco and Alexander Meissner, placed in interference with application of Edwin H. Armstrong, for wireless receiving systems for continuous waves. Fwd Secty via Sol 3/20 RB 3/30, with copy of Power of Atty. W. To Dept Justice 1-25-1921- suggestions.	W
482107	3-12 3-18	Dept of Justice Dept	Submarine radio loops; request correspondence and job orders covering installation of old submarine;	907
481995	3/19	N Lond Sub Base T	To N.L. (T) reqst copies 3/18 No record of job orders. New Lond. Sub Base 3/19	
482000	3/20	To G.H. Clark	Reqst form be filled in, rel application for patent. W	
483351	3/23	Solicitor	General transmission Co.'s claim of composition under Seidt radio patent - request full inform in conn with. To Solicitor- detailed comments on 3/31	W.
483352	3/23	Solicitor	Vreeland apparatus claim for Royalty under patent - request full information in conn with. To Sol 4/2	W.

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PATENTS: RADIO

Number.	Date.	From or To—	Subject.
483858	3-29	To S&A	Reqst public bill be prepared for $30 covering filing fee of two applications for patent (E.H.Loftin and Henry Lyon) Reqsn 356- W
	To H H Lyon Fwds cc of licenses 3/29 /21		To H H Lyon-- Fwds instruments conveying to U S Govt an interest in and to improvements in radio signaling system- 3/10/21 W cross to
	To Henry H LYon Fwds cc Amdnemdnet 4/5		
	To H H Lyons- 6-21		
484766	4-3	To C.V. Edwards	Reqst expedite testimony of Capt Hepburn and Lt Eaton at N.Y. in re case of Marconi vs DeForest. Advise if March 12th definite date for consultation. Search being made for test of two electrode Fleming valve ref letter. W
	as to date 4-8		
	Edwards, Sager and Bower Co.4/10 W		Edward Sager and Bower - Rqst cpt. A.J.Hepburn and lt. W. J. Eaton appear 4/27-28. 4/6 W.
			To C.V. Edwards- will make arrantements for Capt Hepburn and Lt Eaton- reqst notice
447184	FROM 29		To Telefunken Co (T)- Reqst fwd affidavit to Knight Bros in re to filing application of Meissner patent etc., 4/6
	Fed.Tele.Co. 1/5 W		Knight Bros- Failure to file Meissner application was due to war. 4/5 W.
	Knight Brothers 1/12 W/		Fed. Tel. Co. - returns copy of contract-4/7-W
	To Fed Co 1-18-21- Will return contr later W		To Knight Bros. fwds copy of conract 4/14
	To Knight Bros- 1-19-21		To Telefunken Co (T) send affidavits 4-15
	Fed. Tele. Co. 2/27 W.		To Fed Co. ackhow receipt of original contract of employment of Dr DeForest by Co 4-15
	To Fed Tel Co 6-7		Knight Bros- 4/16 W.
card 55			Knight Bros. 2/30 W.
			Fed.Tele.Co. 6/16 W.
			To Fed. returns copy of contract 7/1
			Fed. Tele. Co. 7/13 W.
			To Knight Bros. 1-11-21- asks if finished with contract loaned W
485858	4-7	Fwd Interdept Radio Bd	Vreeland Apparatus Co., General Transmission Co. claims to royalty under patents Nos 1,239,852 and 1,216,615- Reqst action W
			To-- JAG- Fwds license 9/22/22
486086	4-7	To G.H. Clark	Fwds form for filing application. Asks address of G.Y.Allen. W
			To C.T. Anderson fwds form 4-7
			To G.Y.Allen fwds 4-7
			Westinghouse E.M Co.-Fwds data sheet. 4/14 W

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[OVER.]

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Number.	Date.	From or To—	Subject.	
477598	2/25	To G.Y. Allen	Reqst enclosed form be filled out. W Westinghouse E/M Co. 2/26	
477599	2/25	To G.H. Clark	Reqst enclosed form be filled out	W
477600	2/25	To C. T. Anderson	Reqst enclosed form be filled out C. T. Anderson- Fwds patent data sheet. 4/20 W	W
477601	2/25	To W.L. Carlson	Reqst enclosed form be filled out.	W
477602	2/25	To G. W. Carpenter	Reqst enclosed form be filled out	W
477605	2/25	To W.S. WEBSTER	Reqst enclosed form be filled out RB 3/2	W
477940	2/25	To Chas Speaker	Reqst enclosed form be filled out Bur Standards Research Labr. Fwds data sheet 2/29 To C Speaker via Washn- Fwds amendment 1/16/23	W
477941	2/25	To H.H. Lyon	Reqst enclosed form be filled out	W

PATENTS: RADIO

Number.	Date.	From or To—	Subject.	
477945	2/25	To Comdt N.Y.	Permission for G.H. Clark to examine records for data on development of wave changes, for use in pending patent interference case W copy DRMO N.Y.	
	To Comdt NY- reqst fwd data 3/31 copy DRM O Brook		To G.H. Clark- rel above 2/25 N.Y.- fwds drawings. 4/7. W. To War Dept- fwds copy letter in re ARKANSAS4-12 To M.C. Massie- rel to testimoney to be taken 4-16	
478462	2/23	Cdr. E. H. Leftin LOFTIN	In conn with furnishing Dept of Justice agents copy of letters and other records rel to cases.	W
478694	3/3	To Ramsey Hoguet (T)	Cdr. Taylor available with all written records Wash conference. Consider it advisable in view of short time that arrangements be made interview him Friday or Sat here in Washington. W To Ramsey Houget (T) 3/8	
480014	2/24	W. A. Eaton	Lowenstein patent #1,322,315, for stabilizing of arc transmitters; request privilege of using. W To F. Lowenstein. awks comments. 3/6	
479024	3/6	To G.H. Clarke	Reqst return of correspondence to Bureau on subject of condensers and protective devices for use in pending patent litigation. W G. H. Clark - all files belonging to Bu. have been returned - W 3/18	

4—3381

PATENTS

Number.	Date.	From or To—	Subject.	
475677	? 2/12 Anacostia 2/27	Earl Hanson & Wendell Carlson - Returns correspondence	Fwds drawings and description of new system for reception. To Anacostia- reqst investigation of method copy Cdt Wash To E. C. Hanson- 2/26	W 2/24
475683	2/14	To W.E. Woods Manhattan Elec Sup Co.	Reqst fwd form enclosed, in re to application of patent dated 8/6/19- W RB 2/19	
476467	2/3	Pearl Harbor	Fwds suggestions for eliminating of arc much interference of radio receiving circuits- C.D. Andrews application for patent - fwds. W	908
476631	2/17	Ordn	Fwds licence of prof. A.P.Willis, transferring interest in application for patent on Submarine receiving apparatus. W	797
477101	2/13	W. S. Jackson	Request information rel to title conditions of patent file by Von Arco and Meissner, assigned to Geselschaft Co., Berlin. To- recorded assignment in due form 2/20	W.
477072	2/20	To Cdt Mare Island 1-B-6	Fwds drawings, in connection with installn of force tung radio system on battleships. W To Pacific Fleet- fwds drwgs 2/20	
477084	2/20	To E.R. Cram	(T) Advise immediately titel and date of publication containing article by Dr. Borkhausen, on tuned interrupter circuits.	W

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N.S.E. Form 134.

PATENTS

Number.	Date.	From or To—	Subject.	
477081	2/21	To R.P. May	Reqst fill out form enclosed. W	
43722	2/18	Shipping Bd	Ask what progress has been secured by Navy in securing adjustment of patent situation covering audion control books - SW	629
477318	2/24	To Haraden Pratt	Reqst fill out form enclosed. W. H. PHatt- Fwds blank filled out 3/2	
477772	2/21	Solicitor	Dept contract 2793 cov payment of royalty to Vreeland Appr.Co.- fwds copy of with correspondence	W /
476991	2/18	Shipping Board	Fwds copy of letter from Wireless Spec Appr Co in which it is claimed that radio apprs on shipping Bd vessels infringes certain patents owned by that Company. To Shipping Board 2/21. W	771-2

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[OVER.]

PATENTS: 1920

Number.	Date.	From or To—	Subject.
468763	1-13	To Anacostia	Patent situation of stray reducing circuit. fwds patents. W Anacostia-fwds sketches and copy of patent in connection with antenna loop barrage with rejector. 1:17 To Co or Taylor. reqst fwd copies of letters to Bur 6-3
469154	1/14	Washington	Fwds request of radio electrician, G. W. Carpenter for patent on shielded telephone receiver circuit. W.
415441	FROM CARD 16		Norf. - Asks action taken on their letter of 8/19 rel to applications for patent. 1/15 To Radio Aides Hallborg and H.H.Miller via I.M., Norf. 1-24 Norf. 2/3 1920 To IM Norf 2/9
447184	1-20	To Fed Tel Co (T) Wright Bros 3/24 To Telefunken Co (T) 3/27 Knight Bros-Request original contract be furnished. 3/29 W. Knight Bros 3/26 W. To Fedl Co 3/31	Reqts certified copies of all contracts of employment of Lee DeForest with the Fed Tel Co prior to contract dated 9-17th-12. W Fed Tel Co-1:2. Fed. Telegraph Co - 1/26 To Fed Co 2/6
SEE 32 1 471404	1;22	Alien Custidian Emery, Varney Blair & Hoquet-2/3 fwd secty via Sol 2/9	To Knight Bros. 3/23/20 copy Dept Justice Submits blanks for making formal claim covering expense involved in reassignment of Goldschmidt patent. W To Ramsey Hoguet. rel to reassignment of three Goldschmidt patents to Alien Prop Custodian 1/30
472055	1/28	Fwd Secty of Navy	Compensation for special technical work in accordance with Sec circular letter. Tests not yet completed. W RB-1:31 Haraden Pratt. fwd Sec 4-20 RB 4/24. W.

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N.S.E. Form 134.

896: PATENTS:

Number.	Date.	From or To—	Subject.	
47				
471863	1/22 Vreeland bills.	Solic Appr.Co.-Fwds Royalty 2/19	Fwds bill of Vreeland Apparatus Company covering amount due on assignment of US Government.W To Vreeland Apparatus Co-fwds bill for sig-2/4 Fwd Solicitor 1-26-RB-1;30 To Vreeland App Co. asks expedite return of bills 2/18	
460569	FROM CARD 28		N.Y. 2/2 N.Y. 2/6 To CO DELAWARE (T) Will shipt radio set 8/6/20 Shipt order from Washn to DELAWARE 8/9 RB 10/19 W CO DELAWARE 8/2 W	
471508	1/26 /22	To Commissioner of Patents	Reqst Bu Eng be furnished cc of patents W To Ensign C D Palmer via CO Hamp Rds- Reqsts patent be returned with comment 2/7/22 Ham.Rds. 2/14 W. To Ensign Palmer-fwds copy of specns-2;18-W	
473512	2/3 To Expr Sta. 3/5 RB 3/11	To BLAKLEY	Radio telegraph- patent protection for method of depth of water determination by sound reflection. W To Expr Station 2/4 (A) Comments reqstd CO BLAKELY 2/13 Exp.Sta.- Subm detailed information in conn with patent protection. 2/26	
473960	2/4	A. Crossley	Radio piloting gear- request patent on special system. W	711-5
470877	11/28/19	H. Pratt	Test of apparatus for reception at Rapdd speeds from various radio stations called "telegraphone" - fwds pamphlets and recommends development of. W.	

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[OVER.]

N.S.E. Form 134.

PATENTS

Number.	Date.	From or To—	Subject.	
423421	From card 24		To S.E. Darby Jr. (T) Hearing of motion to extend time for the party Meissner in interference 41224 and 41790 set for Dec 1st at ten A.M. W 11/26 To A.G. Davis GF (T) ditto 11/26 To Atty Genl- returns encl 11/29 To Pennie Davis M& Edmonds- Dept of Justic has agreed to take over cases 11/29 To Attoney General. Rel above 12/6 Dept. of Justice- Rqst Dept? be furn with such information in order to bring suit against DeForest & other Co. for recovery of Govt. rights and property 12/4 To Attorney General- Fwds copies of contracts with Fed. Tel Co and Fed. Tel Co and De Forrest Co. 12-17	
460482	11-?	A. Crossley	Rqst patent rights on trailing wire antenna for radio control torpedo.	W
460569 TO CARD 29	12/1 N.Y. 1/13	To S&A	Reqst shipmt from DELAWARD to NY portable radi field set W RB 1/9 S&A 12/13 Fwd S&A. 1-10 N.Y. 1/17 To Ny- radio field set to be turned into store at F.S.Base. 1-19 To Ny. copy to F.S.B. 1-23	
461092	12/1	Washington	Fwds request of G. W. Carpenter, for patent on methods of utilizing high voltage alternating currents for supply to pates of power vacuum tubes. W	898

[OVER.]

PATENTS

Number.	Date.	From or To—	Subject.
464625	12-17 American T/T/Co. 4/30 W To Secty- fwds copies with comments 5-27	Amer T & T Co	Fwds draft of proposed contract between Co and Govt also list of certain company's patents; W To- Contract submitted to solicitor's office for reviewal. 12-22 To American T/T Co. 2/26 American T/T/Co. 3/8 To American Tel and Telg Co. suggests return agreement to Bur with changes 3/11/20 American R/R/Co.- Fwds copies of satisf contract form. 4/26 W.
466573	1-5-20 Western Elec. Co. 1/13 To To G E Co- Gives comments 4/25/21 Amer Tel and Tel Co- Gives comment 4/25 GE Co-4:27-W GE Co.-Subm inform rqsted 5/14 W American T/T/Corpn 5/13-in conn with placing apprs on market. W	To American Tel and Telg Co- Vacuum Tubes.	Reqts some agreement be made between the pertinet patent holders whereby the market can be freely supplied with tubes. W copy to Western Elec Co. To General Elec Co- Ditto to A T & T Co. 1-5 copy to American Radio Corpn. American R/R/Co. 1/6 G.E Co. 1/12 G.E Co. 1/12
467[illegible] 467027	1/5 investigation 5/4 To Lowenstein Co. 8/27 To Halborg. via Norf- advise if have sold/to/contractors any rights of patents 8/27/20 To Lowenstein Co-- reqst expedite info 9/10/20 H.E. Hallborg; have issued no licenses or rights of any kind; 9-15; W	Dept.	Self cooled impact spark gap subm by H.E. Hollberg via Norf. Yd. - Fwds correspondence prints and information in conn with. W. X awards. fwd secty 1/26 RB-1:31 To IM Norf- payment has been authorized 2/11 fwd S&A 2/11 RB 2/24 with prints and correspondence Norf- Fwds claims of H. E. Hallborg, radio aid. 4/26 W To H.E. Hallborg via Im Norf- will make Subm addtl information on radio patents. W.
468221	1/9	Signal Corps	
		-1920-	
469181	1/14	Earl C. Hanson & W. L. Carlson	Submits description of high power long wave high speed radio telegraph receiving system taken over and pending US patent application filed by them - W

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PATENTS:

Number.	Date.	From or To—	Subject.	
450615	Oct	To Westinghouse E&M Co	Fwds list of patents enumerated, those acquired from Fed Tel Co.	W
455493	11/3	To Patent Office	Expresses appreciation for services reneded in search of disputed patents. to Interdept Radio Board. W	
455755	10/27	R O Shelton	Submits comments relative to idea for increased efficiency of rotary gap radio transmitter outfit.	898
456147	11;1	L C F Horle	Directive radio transmitter. Cross to 919 and 898	
455762	11;1	American TT Co W W Ballard.	Will be in Washington on the 6th to look over application papers of Meissner in DeForest suit.	
457022	11/7	W.H.Pumphrey	Patent of F. W. Midgely has not been adjudicated. W.	
456817	11/7	Norfolk	Fwds request of Chief electrician N. G Dowdell for investigation as to patent ability of new audion regenerative circuit; fwds sketch.	898

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PATENTS

Number.	Date.	From or To—	Subject.
457555	11/12	Washington	Fwds request of radion draftsman, W.F. Webster for authority to apply for patent rights on rheostats. W.
457795 see card 37			
		Correspondence Transferred To 1200	
450617	11/13	To J.H.Hammond Jr.	(T)Referring recent conf it is urgent that Bus have copies of principal patent applications Please have your attys expd. W
		Emery Booth Janney & Varney 11-20 Quotes various claims. To EBJ&V- acknow receipt 11/22 To A.I.Gardner. Acknow receipt letter 11/19 11/22 To- Fwds 5 copies of proposed agreement between Navy Dept and yourself. 12-22 To- 12-23	J.H.Hammond- Will take several days to prepare cases to present to Patent Bd. 11/13 1200 H.H.Hammond Jr.-(T)- Will arrange at once, regarding patent matter. W 11/13 Emery, Booth Janney & Varney-Fwds copy of congressional act, making appropriation acquiring rights of Hammond invention. 11/20.W A. I. Gardner -Protests making contract with outside firm; claims infringement; 11/19 X 896-1
459105	11/13	Lt. W. A. Eaton To S&A- reqst fwd check 2/25 RB 3/13 To Lt Eaton- 3-5-21 To Comm of Patens Fwds amendment To Lt W A Eaton via Wash	Claims to have invented new and improved method for securing radio arc transmitter. W fwd S&A 3/18 in application of William A Eaton 3/23 Fwds amendment of application 3/23
459136	11/20	W. J. Cady	Devices for providing standard wave length or frequency for use in high frequency electric circuits: request information as to procedure to follow in securing patent. W To W. G. Cady- no objectio to applying for patent asks further opinion 12/5 Wesleyan University f/4
458993	11/20	To JH Hammond Jr	Reqst attend conference SE W

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[OVER.]

N. S. E. Form 134.

PATENTS

Number.	Date.	From or To—	Subject.
446388	9/22	To Cdt Pensacola	Req that semi-monthly reports of station Pensacola be examined for any disclosures relating to investg of radio phones carried on by B. F. Meissner formerly expr radio aide with Navy. W
		Pensacola-semi monthly report. 11/28	Cross 902 and 918
TO CARD 33		To B. F. Meissner-Rqst authority to search records at Pensa. 2/3	To Pensacola- Info reqst action taken in data rel to B F Miessner Aviation Radio
		To B. F. Meissner 2/11	Telephone 11/18
2			
446389	9/24	To DNI To ATT.Gen.1-13	Req supply copies of certified German patent applications or German patents listed W
		To Pennie Davis & Co (T) Hearing for Meissner set for Dec 1st 11/26	To Pennie Davis Marvin & Edmonds fwds stipulation for extending time for taking testimony of Alexander Meissner 11/17
		To Nav Intel- req fwd to SE patent mailed via MAURENTANIA 12/6	To American T/T Co have place in hands of Atty Gen 11/22
		Nav Intel 12-10 Fwds German Patent Specifications.	
446390	9/25	To E.L.Skeel	Asks where can find Prof. Pupin's work on 2 circuit transmitter with high spark frequency transmission. W
		To Circuit Court of Appeals- ackn receipt of copy of recod 11/12	To Messrs. Roberts & Skeel-Bu appreciates efforts to secure copies of record. 10;22
			To Roberts & Skeel- Acknow receipt of recds and expresses appreciations for services rend 11/12
~~446391~~	~~10/1~~ VOID	~~To Cdt Phila~~ See 919	Designates USS OHIO to be used for instaln radio compass for battleships and expr work in connection with W
448896	Oct	Interdepartmental Brd	Report in con with claim of H M Horton cov compensation for use of invention system of airplane sig. W
449128	10;2	H Lucke	Reqst drawings and photos of invention of transf made by former Lt Priess in order to file patent application. W
8		To Wash-Reqts that shipment of drawings be traced. 12-15	H J Lucke 10;10
		Washington 12/28 Fwd prints.	To H J Lucke-Bu is making search for drawings reqst. 11;1
		To- I-21	To Washington 11/11 asks fwd spec
			Wash 11-24 Fwds prints listed - W

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[OVER.]

PATENTS.

Number.	Date.	From or To—	Subject.	
449050	10/2	J Firth Co	Request long range wave receiver be loaned to Dr McCoa experimental purposes, eliminator of interference preventor.	908
447184 see 29 and 32				
449571	10;4	Emery Varney Blair & Hogue	Fwds certified copy of contract between Hobag & Cutt. W To Sec Sol- recommends executing enclosed assignment 11/4 RB 11/14 To S&A- Has fwd to Alien reassignment of Goldschmidt patents. Reqst steps be taken to transfer funds envolved 11/15	
449806	10;7	Western Elec Co	Asks if new patents issued are pending coy filament rheostat used in radio amplifier. W To Western Elec- filament rheostat used in Navy is Navy development will file appl soon 10/29	
451965	10;14	Sheffield & Betts	Claim of Marconi Co against U. S. for infringement of patents. Fwds prints and copy of Court prodeedings. W	
453244	10;20	Wireless Spec App Co	Detailed comments in con with testimony Northrup Pierce & Richman as to conduction loop experments. W	
450617 - cord		27		

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PATENTS.

Number.	Date.	From or To—	Subject.	
445404	9-6	Federal Tel. Co.	Govt. re-transfer to Co rights to Kolster patent, retaining right for Govt. to use invention.	W
431379	9/15	To O.P. Adams C/o Alfred Crossley, Submarine Base New London.	Reqst when giving information concerning method of guiding vessels by electrical means, that do not include anything concerning Navy's connection with problem, unless authorized by Department. To CO Sub Base N.L. (T) 9/15 O P Adams- 9;18 To OP A- Prefers delay efforts re educational campaign until one instain re ships tested 9/22	W
436344	FROM CARD 24 To Ramsey Hoguet-Acklgs receipt of contract. 10;11 To Alien Prop Cust- matter del will advise later 10/29 To Alien Prop Cust- Fwds executed reassignment of Goldschmidt patents also certified copy of contract with Homag and Cutt 11/15 Emery, Varney, Blair & Hoguet-Fwds copy of letter to alien property custodian rel to Goldschmidt patents. 12/5		Chas W Appleton 9-16 (T) G E Co will not regard return of patents to French Co as prejudicial. W To Alien Prop Custodian- Recommends return of Goldschmidt patents to Alien Prop Cus for assignment to American Rad Co. 9/19 Emery Varney Blair & Hogue-Sub assignment of Goldsmith patent. 9;25 To Alien Custodian- reqst copy of original paper vesting title of patents in American Radio Co 10/4 Fwd S&A. 12-13	
443698	9/19	To B.F. Miessner	In reply to letr of 9/16- will search records for reports to assist establishing data on anti-noise telephone transmitter. To Naval Intl- reqst translation of German text " DRAHTLOSE TELEGRAPHIE DURCH WASSER UND LUFT " W 9/22 B F Miessner-Comments on invention. 9;16	W

PATENTS

Number.	Date.	From or To—	Subject.
440028	8/18	To Philip Farnsworth	In reply to letr of 8/15 notes proceeded with reconsideration of claim sub to Inter departmental Radio Board by Wireless Spec App Co. No objection to exceeding time for submission of reconsidered list of patents sent you W Sperry App Co- 8;19 To Wireless Spec App Co-Sub mod in regard to suit. 8;25 Wireless Spec Co 9-5 Have not recd any official proposition for settlement from Dubilier. W
440967	8;20	Bu Stand	Fwds report on high frequency. W
441842	8;19 8;23	Atl Fleet Dept	Reqst copy of all patents concerning radio tel be furnished. W To Com of Patents- req furnish Off Atl Flt with copy of radio patents 9/4 cc to Atl Flt Post Office- Cannot comply with reqst for copy of radio patent. 9;20 To Atl Fleet-Will arrange for subscription to Gazette is desired 10;11 Atlantic Fleet 10;14
440823	8;25	To Wash	Naval RR Lab to be placed on mailing list. W Wash Yd 9-18
441416	8-27	To Secretary	Proposed patent agreement between the Title Insurance and Trust Co of Los Angeles and the U. S.- Fwdg 5 copies of proposed patent. W

Number.	Date.	From or To—	Subject.
431915	7/28	To European Forces Tel:	14012: expedite information reqstd W European Force-Copy- Suit is by Marconi Co against Post Office on acct of broken contract. 7;29 To Europ Forces asks copy of testimony in case 7/30 European Force 9-5 Fwds correspondence re suit.
436062	None	None	Minutes of Brd meeting held with Ass Attorney Genl 9th in con with suit International Radio Co against West Elec Co. W
436063	7;11	Dept Brd	Minutes of meeting in con with suit of Internatioanl Radio Co against West Elec Co.
436344	7;30	Alien Property Custodian	Reqst assignment of patents of Rudolph Goldschmidt made to Navy be assigned to American Radio Co. W To req more info 8/1 Alien Property Custodian- 8;4 To Alien Custody - rel to previous corresp 8/9 To GE Co- asks opinion in re to 9/4 Will be satis to confer with Lt. Comdr Loftin on 8/14- Fed Tel Co contracts and note books of De Forest fwd to Messrs Pennie Davis Marvin and Edmonds. W To Pennie Davis Marvin & Edmonds- acknow copies of testimony taken in Interference No. 41,790 9/10
TO CARD 25	Emery Varney Blair & Hoguet 9-12 Fwds form of assignment to the American Radio Co. Hoguet 9-15 Fwds copy of ltr 8/20 omitted in letter 9/12		
423421 28	8/6	To G. E. Co. To Attorney General asks action be expedited 11/17 Pennie Davis Marvin & Edmonds 11-24 Re to taking testimony in behalf of Meissner.	

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PATENTS

Number.	Date.	From or To—		Subject.	
435153	7/31	To Firms		Asks advise under what radio patents held by Co willing to give govt non-exclusive license or release from any claims involving use of patents, as Dept has acquired govt control of Poulsen arc patents. W Natl Elec Co 8;5 Cutting & Washington - 8;5 Sperry Co - 8;26 Wireless Improvement Co-Reqst further infor. 8;27 American T & T Co 9-4 Rqst action on their letters of 4/23 and 5/13	
437921	8/8	To IM NY		Req Capt Guy Hill Signal Corps be permitted to examine radio files of Yard NY- W	
439892	8;13	Dept Justice		Meeting of Inter-departmental Brd will be held 14th. W	
440036	8;15	3rd Dist	Copy	Artemis and Chaser 334 under repairs.	AY

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[OVER.]

PATENTS:

Number.	Date.	From or To—	Subject.
433552	7;17	Fed Tel Co	Fwds copy of contract with J A Miller in which he agrees to sign a invention and improvement relating to radio app during term of his employment.
433896	7;16	Dept	Reqst on alien property custodian rel to securing alien owned patents, reqst correspondence concerning be conducted through Sol.
433790	7;15	Sub Com of Joint Patent Conference.	Sub report of meeting. W
434981	7;21	Munition Patent Brd	Conference of army and navy officers concerning inventors agreements and contracts for patented articles. W

Number.	Date.	From or To—	Subject.	
434966	7;16	International R T Co	Copy of letter to Major Young stating agreement will not proceed beyond 90 days. W	
434945	7;12	Dept Justice + Boards misc.	International Brd of Radio Patents, recs members be relieved of all other duties. Attorney Genl-Sec signature-in con with Bu memo to Brd. 7;24 To Atty General. Dept is rep on board by Comdr Hooper and Lt Com Loftin 7/24	
431376	7/24	To Philip Farnsworth	In reply to letter of 7/18, in conn with investigations Dubilier patent suit. Advises arrange with Lt Lewis prelim proofs August when released from active duty. W Philip Farnsworth. 7;25	
431378	7/25	To E L Skeel	Acknow receipt of briefs in case of Marconi vs K & C. W	
431387	7/26	To Comdt Wash Yd, Rad Research Lab Bu Std Airc Lab Bu Std	Gives report made to Bureau of SE on method employed by French Govt to compensate capacity effect of filimant battery to ground in their radio compass installations. W Cross to 919 and FG also Circular Letters. W Bu Stand 7;30	
431379 see	cd 25			

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PATENTS:

Number.	Date.	From or To.	Subject.	
428796	6;24	Dept of State	Asks if can grant Fed Co permission to use patent in con with construction of wireless station for Chinese Gov.	W
429921	6/26 None	C Gibbons Jr. Naval Consulting Brd	Radio direction finder designed for purpose location direction Hertzen or submarines, asks who is responsible for invention.	919 W.
431587	6;21	European Force	Compensation for use of D F system invented by Captain Robinson of the British air service, payment of $15,000 be made. To European Forces. Asks further info 7/21 To European Force-Notes comments of Capt James Robinson of Brit Air Service.	11;1
431827	7/11	To S&A	Reqst shipt from Washington to Radio Div SE one radio selector switch. W Patent Office-Material not tecei ved.	7;17
431373	7/11	To A H Taylor Lt Com Chief Elec L C Young Bureau Standards	Calls attention to patent enclosed, issued to Elmer E Butcher, showing double heterodyne employed in receiving appr. W Bu Stand-In con with reqsn for patent on compound Heterodyne method reception.	7;12
58		To A H Taylor- fwds papers req executions of 7/25 To Comdr Taylor 9/23/20	To-- Fwds cc license 4/5	
431916	7;11	European Force	Copy 3552 Reqst infor re type of machine used at New Brunswick, whether Marconie transm been installed there, etc. To Forces Tel 7/12	W

PATENTS 1919

Number.	Date.	From or To—	Subject.	
451982	7/2	Dublier Cond Co.	Sub list of customers other than Gov in con with license agreement. W.	88271
432695	7;10	Com F.H.	In con with Lt Co Sweet and other naval officers in Europe, gives evidence in con with litigation between Marconi Co and Brit. officers. W Com 8;19 fwd Naval Intel 9/15 To Intel- not nec to secure copy of proceedings as Europ Fcs advise copy fwded to Bu 9/23	
431376 5 SEE BELOW	7;17	Ensign W C Richardson	Sub report on duties at Col University.	W
431374	7/17	To Emery, Varney Blair &Houg net	German patents bearing on radio telg now assigned to Govt have been issued since transfer to Navy Dept. Lists same W	
431375 SEE ABOVE	7/16	To Ensign Max Richardson	Tel: Expedite report recently regstd by Bu and info Bu when same may be expected W To Ensign Richardson- asks fwd more info also copies of cards 7/24	

PATENTS:

Number.	Date.	From or To—	Subject.	
426003	6;16	Haraden Pratt	Expert radio aide rec system.	W
426087	6;17	Fed Tel Co	Fwds infor and records concerning employment of Dr L De Forest, C V Logwood and Mr Van Ettan during 1911, 1912 and 1913. W To Fed Co- Thanks for copies pertaining employment of Dr Lee De Forest C V Logwood and Van Etten by Co. 6/24	
424340	6-16	To Wireless Spec App Co	Will be glad to confer with Patent Atty. on patent situation any time. W	
423024	6-19 To NL sub report for info 9/4	To Secretary	Calls attention to paper by R H Marriott of yard Puget Sound discussion of method of guiding vessels by electrical signals, etc. W To Dept 6-19; RB 7-26 To Ind Mgr NY- Bur auth expenditure of $2000. for conducting preliminary tests 8-27	
427196	None	Inter Dept Brd	To NY- sub data of radio leader gear expr 9/4 Minutes of meeting held 12th.	W
424342	6-21	To Radio Amateur News E T Jones Editor	Reference letter 6-17, appl for patent on underground concentrated loop antennae system now before Patent office for consid-	W

Number.	Date.	From or To—	Subject.	
427814	6;21	Bar Harbor	Double loop design by Elec W E Woods, fwds sketch with comments on, reqst patent be obtained.	W
		of Lt W A Tattershall and Mr. DeLish attached to station concerning mica condensers cross to 882-I 8/20	To Bar Harbor- info reqst concerning circuits Wood proposes use 7/15 R B 9-15	
		Annapolis-Report of statement of Lt Tatersall and Ensign De Leshe reg devel of mica cond. Cross to 882;-I 9;18	Bar Harbor-Radio aide W E Woods reqst further investigation be made. W 8;6	
			To Bar Harbor-req detailed info re development of circuit 8/20 cross to 875 R B 9-11	
			To Annap- Req fwd summary as to info of	
428086	6;24	Radio Draftsman R. P. May	Sub wiring diagram and descrip of invention of vacuum tubes rectifying circuits, reqst patent be obtained.	W
424344	6/24	To Lt C T Anderson	Fwds copies of patents, calls attention to some question as to whether or not already covered by previous appl- W	
			C T Anderson-Sub copy of patent. 9;19	
			To C.T. Anderson- asks if can give necessary data. 5/17/20	
424345	6/24	The Asst Secty	Req auth be granted to purchase French radio app for use Bu Stds. W	
			Dept-6;23 Fwds.	
			To Washn- reqst Bu Std be notified upon receipt of French app listed in letr of 6/24	7/23
427955	6/3	Bu Stand	Fwds copy of report and experiments on throat transmitters at Lab Bu Stand by J L Bernard, asks if Bu will claim. W.	918

PATENTS:

Number.	Date.	From or To—	Subject.	
424105	6;7	Sol	Assignment of title and patent appli. and system for rec radio sig reserv in the U. S. the right to make, use and sell device embodied in invention.	W
423020	6-7	To GE Company	Acknow redeipt of letter calling attention to certain alien owned patents relating to radio in which Govt. may assume control by seizure thru the Alien Property Custodian.	W
424257	6;7	J L Bernard Jr.	Permission to patent airc tel system. To- no objections, desires when appl filed assign license to Govt. 6-17	W
424400	6;3	Dept of Radio Brd	Minutes of meeting with power ref to Western Elec, Marconi and Wireless Spec.	W
423022	6-10	To Alien Prop Custodian	Solic - 3/18 Fwds affidavits showing letters ptnts enemy owned, asks re seizure. W To- fwds affidavits- 6-11 To fwds affidavits 6-12	
		To Alien Prop Cus- If offer meets appvl, req assignmen be made to U.S/ rep by Secty of Navy 11/15	To Sec via Sol- recs that Dept offer 100 each for patents 11/15	
		To Sol- reqst War Dept be reqst to drop reqst for patents 3/8		
423025	6-10	To Wireless Spec Ap Co	Asks have Mr Davis call. W	
423493	6-10	To GE Co	Non-receipt/comments on proposed re-draft of patent clause in Fed contract handed you. W	
		To GE- fwds copy of redraft 6/24	G E Co 6;18	

Number.	Date.	From or To—	Subject.	
424781	6;5	Inter Dept Radio Brd	Minutes of meeting held 5th	W
423023	6-11	To Philip Farnsworth	Reference to telegram June 6th search a failed to locate type of Telefunken condenser referred to. W	
424339	6-11	To John Barrett Director General Pan American Union	Desirous of obtaining report on discussion concerning patents trade marks and copyrights before Pan American Congress on June 5th info reqstd W	
423021 SEE 19	6-13	To GE Co	Fwds stipulation to permit filing of prelim statement in behalf of party Meissner in interference case, asks sign and fwd to Pennie Davis Marvin & Edmonds. W	
		To D&D- returns stipulations 9/12		
		To Pennie Davis- rec copies of contr DeForest cmp with Fed Tel Co 9/22		
		Pennie Davis-Fwds copy of cont. of Deforest Co with Fed Co. 9;25	To GE Co- asks secure copies of testimony taken on theses interferences 7/15	
		To Pennie & Davis-Acklgs receipt of DeForest testimony. 11;1	To D&D acknow rec of tes of L D Forest etc 7/15	
425245	--	Interdepartmental Radio Board.	Minutes of meeting held 6/10/19.	
425998	6/11	Wash	Fwds copy of correspondence with Westinghouse Lamp Co re devel of vacuum tube and patent on same. To Westinghouse Lamp Co- Tel "The K & WC Mfg. Co has reqn samples of our small vacuum tubes which they wish to use on govt test will this be satis to you B E Shackelford, " no objections 6/18.	896

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PATENTS:

Number.	Date.	From or To—	Subject.	
2916	6-5	To Marconi Co	Directs to reimburse Dept for all royalties paid Messrs Clark & Hill on radio appr 629	
2916	6-5	To Geor Clark via Chief BuSE	Req make assign of license to Govt upon filing a plication	629
423021	6-6	To Pemie Davis Marvin & Edmonds-	Motion has been filed and copies furnished all parties in case. (Meissner)	W
SEE 20	note books etc from Fed Co 6-20 GE Co 6;21 Pemie Davis Marvin-No nec to arrange for further conf. 7;1 To Pemie DM & E Tel 7/28 To P D M & E fwds books 7/30		To GE Co- thanking them for offer of assist letter of 6/12, advised Fed Co San Frisco office informed papers regstd mailed 6-16 To GE- acknow receipt of analysis of DeForest Meissner Armstron & Langmuir interference. 6-16 To GE- will confer with Langmuir & Armstrong 6-20 To Pemie Davis GE- acknw receipt of	
423800	5;23	Lowenstein Co	Copy of letter to Major R H Young in con patent.	W
423421 see	card 24			
423803	5;15	Darby & Darby	Copy of letter from Major Young in con with patent, Deforest Co.	W
423805	5;28	None	Copy of letter to Major Young in con with license from American Tel and TEl Co.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
423798	None	G S Davis	Copy of letter to Major Young concerning license under patents. G E Folk-Copy of letter to Major Young in con with license from American Tel & Tel Co.	
423799	5;24	Marconi Co	Copy of letter to Major Young in con with patent.	W
423948	6;6	G H Clark	Appli. for patant on forms of reception. fwds rough spec for imperial rec aerial. To G H Clark- f wd pattent application 7/26 To-- Reqxt comments conc patent office action 10-28 G. H. Clark- 1/10 1921 W. G. H. Clark- Joint application signed and fwded. 1/10 W.	W
423934	6;7	H Pratt	Fwds copy of proposed patent spec on radio tel receiver system	W
424050	6;7 To H Pratt 10/8/20 H. Pratt 10/15/20 W To H Pratt. Fwds form 11-20/20 H. Pratt Returns copies of license 12/1 W	H Pratt	Sub copy of proposed patent spec on radio tel system. To H Pratt- fwds patent appl reqst execute 7/3 H Pratt-Fwds patent application on radio rev system. 7;12	W
424082	6;7	War Dept	Fwds letter from E J Simon Co in con with agreement with owner's of patent and radio app.	W

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PATENTS.

Number.	Date.	From or To—	Subject.	
420758	5-23	War Dept	Fwds ltr from Sperry Co in conn w License agreement made under patents - W	
419290	5-24	To Wireless Spec Co	Asks have Mr. Davis confer w officer in charge radio divn of B ureau W Wireless Spec App Co- 5;27	
419291	5-24	To K & C Mfg Co	Reqst for release of J J Geary fwded to Navgn, matter of joint motion in appeal case of Marconi vs K& C Co taken up wth Marconi and info will be fwd later W K & C Co 6;28 To K&C- suggests make application for release as soon as instur reach various N aval units as Congress has made prov for same 6/8	
421053	5;23	War Dept	Fwds copy of let from Clapp Eastham Co in con with infringement of patent owned by Co. W	
421091	5;19	Inter Departmental Radio Brd	Minutes of meeting in con with patent infringement.	W
419292	5-26	To Lt W A Eaton	Consideration and comment on Armstrong patent reqst w statement pointing difference might be urvged before P atent office in prosecuting appl upon this circuit. W L A Hazelton-Fwds descrip of invention on neutralization of capacity coupling for audions. 7;14	

419293 —

PATENTS

Number.	Date.	From or To—	Subject.	
419293	5-27	To Professor L A Hazeltine Stenvens Inst of Tech.	Reqst full name and legal residence in orders may be inserted in patent application being prepared under name on "Neutralization of Capacity Cou-pling in radio receivers and amplifirs. W L A Hazeltine- 6;18 To L.A. Hazeltine- matter now under consideration due to great number of applications, cannot expect action for some time 11/18	
421092	5;16	F C Dyer	In con with Vreeland patent owned by Vreeland App Co	W
421773	5;22	Inter Dept Radio Brd	Minutes of meeting held 22nd.	D
421161	6-2	To Dept	Fwds application of Earl C Hanson for exam rating radio inspr. K	
423301	6;2	L Cohen	Copy of letter to War Dept, fwds copy of letter to Sig Corps cov facts to be brought up at hearing of radio brd.	W

PATENTS:

Number.	Date.	From or To—	Subject.	
416800	5;7	War Dept	Fwds copy of letter from Wireless Spec App Co in con with license.	W
416414	5-8	To Ovila T. Giraux	Advises has no info concerning patents reqstd. W	
416415	5-8	To Fed Tel Co	Reqst be furnished with copies of rights acquired under Kolster inventions referred to in contract. W Fed Tel Co-Fwds copy of agreement between Fed Co and Kelster 7;2	
417566	5;10	War Dept	Fwds copy of opinion of attorney genl in Deforest case.	W
418135	5-14	To War Dept 875	Calls attention to patents on loop antennae used for transmission and receiption of radio signals on submarines W	
418235	5;8	Shaft Radio Brd	Minutes of meeting held 8th in con with Marconi Co suits. War Dept 5;16	W

Number.	Date.	From or To—	Subject.	
418295	5;14	D Y Allen & G H Clark	Reqst permission to obtain patent on radio compass device for use with gyro repere. G H Clark-Sub comments on patent. 6;6 To D Y Allen- asks describron be fwded 6-11 D Y Allen-Sub descrip of radio comp correcting device, for which patent is req. W 6;28	W
417400	5-19	To Ensign Charles Speaker	Calls attention to copies of patents showing systems for simultaneous trans and r eceipt of radio signals, reqst examinae and give difference between yours and these prior patents W	
419287	5-20	To Pennie, Davis, Marvin & Edmonds,	Dept has recently acquired for govt title to patent applicati ons of Meissner in interference with aplications of Armstrong etal, believes advantage if adjustment of Meissner claims could be made outside of Patent Office , sug for Armstrong confer subject W	
419288	5-20	To American RR Co rpn	Desires representative of Co confer with Bu on subject of method of modulating short sustained reception. W	
420244	5;21	War Dept	Fwds copy of letter from E J Simon Co enclosing letter to Sec Navy re royalities.	W
420626	5-22	Ens. A Crossley	Rqst be granted patent rights on special high tention ignition cable - W To- reqst org of papers be executed 6-20	

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PATENTS:

Number.	Date.	From or To—	Subject.	
414474	4;28	H Pratt	Reqst patent on high speed radio tel sig device. To H Pratt- fwds papers for execuation 5-2 To H Pratt 9-24/20 To H.Pratt 10/4/20 To H.Pratt 10/8 To-- fwds cc of amendment 2/2	W
415441 SEE CArd 29	5;1 Norf-Appli for patent on dist control high tension switch of expert radio aid Hallborg W 7;1 Norf-Fwds vandykes of break key, asks about patent. 8;19	Norf	Reqst information re Bu policy as regard application for patent of civilian employees to Norf- gives info reqstd 5-6 Norf-Applies for patent on high power speed relay key. 6;9 Norf-Fwds prints 6;11 To H R Miller & H E Hallberg- will investigae 6-16 fwd C&R 6/25	W
415778	5;2	Van Evern, Fish & Hildreth Co	American RR Corp are interested in securing license of three patents owned by Atlantic Com Co. To- will consider matter later 5-7	W
414456	5;3	To Wash	Fwds Power of Attorney.	W
415896	4;29	GE Co	Agreement between Vreeland App Co and Atl Com Co. also Gsellschaft and Drehtlose and Atlantic Com Co-reqst copy of.	W
416189	5;2	National Res Council	Fwds copy of cablegram req be taken up with proper authorities.	W

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[OVER.]

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Number.	Date.	From or To—	Subject.	
415334	4;29	GE Co	Returns copy of assignment and record.	W
416192	4;28	Patent Office	Cont between Fed Tel Co and Poulson Wireless Corp and U. S. have no seals attached.	W
415276	5-2	To Ensign A Crossley,	Consideration and commen s reqstd, patents relating to electric switches type oulined in letter of 4-26- W To- reqst execution of orig by Notary Public and return to be filed w, Com of Patents To A. Crossley 1/4/21	1 ... 7/1
416640	5;6	War Dept	Fwds extracts of minutes of meeting in con with claim of Capt Horton.	W
416639	5;7	War Dept	Fwds copy of letter from K C Co and American T & T Co in con with patent.	W

Number.	Date.	From or To—	Subject.	
397337	4/4	Dept	Dept- Copy of letter to General Elec Co conf with Bu before reaching final agreement cov sale radio app to British and American Marconi Co. W.	920-7
2916	4-14	Marconi Co.	Will include royalty to be paid to Hill & Clarke and cost of transmitters W&S	629
411471	4;15	Lawrence C F Hoile	Req information relative to securing patent on construction of vacuum tube, undampted signals.	W
411879	4-19	To Emery Varney Blair & Hoguet	Asks furnish papers in conn with applications and statement of present status of cases. W To- Tel 4-23 To- Tel 4-23	
411880	4-19	To American T & T Co.	Reqsts (if convenients with Legal Dept) copy of assignment of license from Atlantic Commun Co. and Western Elec Co, dated 12-7-16 with later assign from Alien Property Custodian and Vreeland Apparatus Co. in conn with German owned patents and Vreeland patents. W	
2916	4-17	S&A	Fwds letters and copy of agreement between Messrs Hill & Clark re royalties on receiving and trans appr. W	629

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Number.	Date.	From or To—	Subject.	
412578	4;14	Bu Airc Production	Fwds copy of letter from Lowenstein Co in con with patent owned by that Co.	R
413076	4;22	War Dept	Fwds copy of correspondence with R.A. Fesenden relative to patent in con with the departmental radio brd.	W
413346	4;14	Army & Navy Patent Brd	Fwds copy of patent assigned to Fed Tel Co.	W
413908	4;17	War Dept	Report of minutes of meeting of brd.	W
413571	4;25	To Marconi Co	In con with hearing to be held in June regarding infringement.	W
			To K & C Co- fwds info. re phone conversa ion of 5-6 5-7	
			To Marconi- quotes from tel from K& C Co 5-21	
414473	4;28	H Pratt	Reqst patent on modulating system for radio frequency currents.	W
			To H Pratt- fwds appl papers reqst execut 5-2	
			To H Pratt- fwds appl on electro pneumatic control relay 5-2	
			see 414474	
			To H Pratt- Fwds copy of letter from Patent office 9/9/20	

CARD 59

H. Pratt- Ask what rights has to patent. 9/15 W

H. Pratt 10/12 W

H. Pratt 10/12 W.

H. Pratt- Suggests application be withdrawn. 12/14 W

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[OVER.]

N.S.E. Form 134.

1918

PATENTS

Number.	Date.	From or To—	Subject.	
407184	4-1	To Fed Tel Co	Reqst info re arrangements made with employees all inventions assigned to you for further assignment to govt, after patent has been obtained in accord with contract 5-15-18 Fed Tel Co-Lists employees. 5;1	
407191	4-2	To E. T. Jones	Fwds papers to be executed, re patent application underground or underwater antennae systems- W Received back from 8th dist 4;10 To E. T. Jones- fwds copy 8/23/20 To ET Jones 11-8-20 fwds copy To E.T. Jones Ship Bd 12/21/20 E. T. Jones- 12/27 W. To ET Jones 1-13-21 To ET Jones fwds license form 2-12-21	
408081	3;29	SOL	Fwds copy of proposed agreement and cross license agreement with Liberty Elec Corp for mfg of radio app cov by letter, patent etc. SOL 4;30-Fwds copy of agreement with W Liberty Elec Corp.	
407706	4-3	To Liberty Elec Co.	Fwds draft of mutual license agreement covering radio patents which will rec to dept as acceptable, asks executions of W	
2916	3/24 3/27	Cost Inspr Marconi S&A	In connection with royalties Marconi has agreed to pay inventors Guy Hill and Geo. H. Clark. W.	629

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[OVER.]

PATENTS

Number.	Date.	From or To—	Subject.	
410083	4;10	Emory Varney Blair & Hoguet	Calls attention to file and patent application at company's office, asks if Bu will make arrangements for frequency of. W To- rec t fwd files and records in cases belonged to Atlantic Comm Co 4-12	
407811	4-11	Fwded Solicitor	Checked list of radio apparatus, finds Govt. used apparatus listed. W	
410183	4-12	To Fed Tel Co.	Advises patents as listed have been abandoned or forfeited on account of nonpayment of final fees. W Fed Tel Co 5;6	
410191	4-1 2	To Attorney General Dept. of Justice.	Re two applicationf for letters patent in Patent Office, in interference, etc. W To Secty Commerce- fwds copy of Dept letter to Attorney Gen. 6-10 Dept of Com-Will release Dr. Miller for nec duty. 6;18 To Sect Commerce- acknow rec letr 6/14 6/24	
		To Sec Com- ackn rec letr 6/14 Dt Miller furnished copies of recor and testimoney taken to date 6/24 To American T&T Co- ref letr of 9/3 ack rec of pages of desp of Dr. Longmuir- will hold conf in Wash as suggested 9/15		
410384	4-12	To Secty Navy via SOL	Fwds mutual Patent License Agreement between Govt and Liberty Elec Corpn recom execution by Secty. W	
BU SE 1561	4-26	To S&A via Solicitor	Reqn covering patent royalties to Vreeland Apparatus Company. W-R copy to S&A	

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PATENTS

Number.	Date.	From or To—	Subject.	
403404	3-17	Lib Elec Corpn	Re radio patents owned by Fed Elec Co	
404559	3;17 3;21	War Dept Com	Lt Col Slaughter releaved as member of Spec Radio Patent Board and Cap Guy Hill detailed in his place. fwd Communications 3-26	
405940	3;20	None	Minutes of meeting of Joint Brd held in office on 3;20.	K
405535	3-26	To Sperry Gyroscope Co	Calls attention to fact only patent mentioned in letter was not granted until Dec 10th 1918, sinch which time practically no appratus has been purchased- Sperry Co-Sub schedule of patents owned by Sperry Co 5;3	
405537	3-26	To Fed Telg Co (Mr. J.A.Miller)	Advises method proposed by Mr. Miller is already covered by application now in Patent office.	
405538	3-26	Fwd Secty Navy J W Offield-Red app be given consid. 4;2	Re correspondence with J. W. Offield. To J W Offield- fwds letter to Naval Consulting Board for consideration 3-26	

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PATENTS

Number.	Date.	From or To—	Subject.	
405735	3-27	To Fed Telg Co	Reqst info re Marx & Fuller patent application re production of single non-compensated signal wave in hp arcs, etc. ,	
			Fed Tel Co 4;8	
405684	3-29	To Army & Navy Patent Board	Reqst 24 sheets of Bristol board for patent office drawings	
			Army & Navy Patent Brd- 3;31	
			To Patent Office- reqst britol board be supplied for patent office drawings 4-4	
			Dept of Interior- Will furnish file wrappers desired, 4;7	
			To Comm Patents- acknow receipt letter 4-7 4-16 enclosing 24 file wrappers.	
407077	3;31	J B Jewett	Tel-Asks if April 4 convenient for discussion of radio patent sit.	W
			To F. B. Jewett, Western Elec, Co Tel 4-1	
			G. E. Folk 4/23/19. W.	
406679 Old No	5;21	TO S&A	Received back 5;23	
407069	3;28	War Dept	Fwds let from Genl Radio Co stating	
	Lowenstein Co 4;11		no Co patent involved in app mfg for Gov.	W
			War Dept-Fwds reply from Marconie Co and Westinghouse Co. W 3;31	
			War Dept-Fwds letter for Internationsl RT Co.	
			War Dept-Fwds information from Lowenstein radio Co. W 4;14	
			War Dept-Fwds letter of K C Co. 4;10	
379670 see 11	4-1	To Boston	War Dept- Fwds copy of correspondence. 4;17	
	MI 6;18		Asks fwd list re appr mfg at yard- Norf 4;16	
			MI - 4;22	
			MI-List radio app mfg. 5;28	
			To MI- reqst in future list contain only important items SE letr of 12/30/18 6-16	
			M I-Instal report 6;14	
			To NY) Asks fwd list ref to letr 12/30/18 req confine orders from 1913 to date 6/24	
			To Mare Is- satus to supend further reports on radio appr mfg and purc MI 6/30	

PATENTS:

Number.	Date.	From or To—	Subject.	
397985	None	War Dept	Fwds correspondence concerning various radio patents. War Dept-Fwds let from Wireless Spec Co relative to radio patents. 3;11	
389850	None		Minutes of meeting of Navy Dept, War Dept and Dept of Justice dealing with patent radio app.	W
396409	2;27	Darby & Darby	Sub status of sit. To- fwds corresp to Solictor reqs action 3-3 To Solicitor- reqst action taken 3-4	
398542	2;13 2;27	L A Akerman Hon Julius Kahn	Req copy of Navy Dept prohibiting pub new inventions for wireless app. To J Kahn- fwds letter to Bu Laven- advises no published regulations of Dept re commun of new inventions etc 3-7	W
399238	3-5	To A H Taylor Lt Comdr	Hon J Kahn-Fwds let from L S Ackerman rel to inven. Info reqstd concerning opinion of novelty of claims 1 and 4 in view of patent references cited by Commissioner-	W

PTENTS

1919

Number.	Date.	From or To—	Subject.	
399239	3-7	To F B Lambert	Advises will handle prosecution of application, it only being necessary for you to furnish power of attorney re secret transmission of voice and signals by radio- T B Lambert-Fwds power of Attorney. 3;10 To F B Lambert 3-19	
400179	3-8	To U. S . Patent Office	Reqst Radio Patent and Research Section of Bu Steam Engr be supplied with copy of patents noted on list attached- To- info req re progress 4-3	
396469	2/21	To Solicitor	States that B draws its reqst that steps be taken to prevent the referee from compelling the Deforest Co to furnish data. To—States that you are entitled to leniency for a delay in complying with the order. 2/21.	882-1
402152	3;11	War Dept	Fwds copy of agreement between Deforest Co and West Elec Co, also discussion of agree by Darby and Darby.	
402151	3;11	War Dept	Req meeting of Inter-dep Brd be postponed until 18th.	
401482	3-13	To Darby & Darby	Suggestions re title to patent, as Bu believes included in assignment to Western Electric Co thru error- Darby & Darby 3;18	

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PATENTS

Number.	Date.	From or To—	Subject.
379670	SEE CARD /10	SEE 13	To NY(T) 15424 First installment listr radio app received and ~~xxxxxxxxxx~~ Satisfactory W Boston-Fwds report on instal. 2;27 Norf-Fwds report of radio apparatus mfg. 2;1 1st District 3-3 Fwds installation report - Boston-Fwds list. 2;7 To Mare Is- Reqst liste be expedited 2-6 1st Dist 3-1 Fwds installn report- Phila-Fwds list of additonal apparatus mfg. 2;8 Phila 2/20 Will take 2 weeks addtl- To Ind Mgr Norf-List of radio apparatus manfd or purchased by Norf Yd-Fwds-2-10 Boston-Sub report 3;15 To Comdt Phila-Fwds list of radio apparatus manfd or purchased by Phila Yd-2-10 To Mare Island 3-17 Request list be prepared immediately. To Mare Isl. Rqst expedite preparation of list covg certain radio apparatus- 2/12 Boston 3-23 Fwds partial rept. To MI T 2-24 R B 2;28 To MI-Reqst reports be fwd. 5;3 MI.- 6;18
391484	2/5	To Dept.	States that B. recommends the payment of bills rendered by Atlantic Communication Co.
391836 see card 43			
392879	2;6	Dept	Letters patent and applications for same and interest of Alien Property Custodian, Atl Com Co, New York Patents Exp Co & Tel Co accepts assignment of to Govt. W Cross to 793 - 7
	To		To Secy of Navy-Rec purchase of Letters Patent and applications for letters Patent and rights and interests of Alien Property Custodian Atl Com Co, N Y Patents Exploitation Corp & Telefunken 2-6
389603	2-7	To Vreeland Apparatus	Co- Reqts to await receipt of a joint committee on patents letter to the various interests in the radio field. W To S&A 4;23 RB 5;2 To- Bill fwd to Solicitor for action. 8-19 To Sol- fwd letr of 6/18 8/21 To Vreeland Appr Co- S&A author pay bills 12/5
394823	2-14	To DeForest RT & T Co	Note you list patent No. 1,216,615 of 2-20-17 To Geo Seibt as one of your patents. As this is owned by other parties Bur desires to know if same listed in error- W Darby & Darby-Req all future correspondence concerning patents of Deforest Co be referred to them. W 2;19

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1919

Number.	Date.	From or To—	Subject.
395320	2-19	To Solicitor	Bur rqsts opinion as to whether radio patents covg inventions of R A Fessenden are property of Govt- W
396050	2/20	To Solicitor	Reqst. that proper trans. be made.
396051	2/20	To Solicitor	States that bill is satisfactory.
396052	2/20	To Commissioner of Patents	Reqst. copies of letters patent & two copies of those as may have been issued.
396918	2/24	To Liberty Co.	Advise if you desire to recommend to the Dept. a permit as outlined

4—3381

[OVER.]

PATENTS:

Number.	Date.	From or To—	Subject.
380944	12;26	Com	Letter from L Langer intercepted by postal censorship com including spec and drawings for improved method for rec sig invented by R. A. Weagent. Fwd Nav Comm 1-10
379670	1;13	New York	Fwd Phila-States impos to give list of radio mfg or purchased by yard. W 1;18
	NY-Fwds list. W 1;25		To NY- asks first install of list by Jan 24th-- 1-17 Bos-Sub rep of app mfg or purc by Chi 2;28
	To Bost- Asks further list of radio app purchased or manufactured 1-25		NY-Gives operation of key. 1;24 Tel/
CARD11	To M Is- (T) Expedite list radio app reqted 1-29th	To—	Reqst. list expedited. 2/24
382969	12;30 1;3	Postal Censorship Com Naval Com	Copy of patent from Western Elec Co to Aktiebolaget Delmar & Co req disposition of. W Fwd Dir Nav Commun 2/14
383361	1;7	Com	Fwds copy of application by West Elec Co for Dutch patent on radio tel invented by J Toomey. W To Dir. Nav. Commun.-Bur sees no objection in transmitting this application fo Delmar & Co and Vereenigdo Ocbrooiburcaux- 2/11
340096	SEE CARD 8		To Atlantic Comm Co- Offer withdrawn-the claim of value in the property is unwarranted-re purchase of long wave receivers 1-10 W
			R Hoguet-Tel- Req fwd patent let. 1;7
384380	1;8	G H Clark	Sub req for commission to apply for patent on radio improvements listed. W Fwd C H Clark 1-22

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
385472	1/14	Com. Hooper	Memo of estab of patent section of radio divn Com. Loftin not chgd. Gives duties of. W. X896 and 896-1.	
385472	1/14	Com Hooper	Memo of estalb of patent sectiom of radio divn Com Lftin not chgd Gives duties of W	600-1
385847	1-18	To Secty War	Re appointment of Lt Comdr Edward Lofton as rep of Dept in conference to consider subject of licenses or royalties to be paid wireless telg companies for use during war of patents supposed to be owned or held by them- To Dept- ditto 1-20	
387704	1-24	To Marconi Wireless Co-	Ack receipt of let of 1-14th concerning patent situation	W
387705	1-24	To P. Farnsworth	Ack receipt of let of 1-18th list of printed records and breifs on file in his library	W
389603	1;27	Vreeland Apparatus Co fwd S&A via Sol 4-23 fwd Sol 6-19 To Vreeland App Co 2/13/20	Fwd copy of letter req apparatus be given to committee, and patent claim arising for compensation out of use by gov for company's inventory. Vreeland App Co-Copy of let to Bu Airc. Production. 4;8 Vreeland App Co 4;19	W
388916	1-28	To Sec Interior	Asks copises of patents listed	W

PATENTS

Number.	Date.	From or To—	Subject.	
359940	10/17 10/15	War Department	Three letters - fwds correspondence with list of DeForrest Co. wireless patents for consideration of joint board and proposition submitted by that Company W	
361813	2;2	Internation Sig Co	Fwds copy of Fessenden Keissne patent cov waive method of radio operation. W	
368166	11;8	S&A	Fwds. letter from Cost inspr Fed, Fed Tel Co are mfg rquip for army, company should be asked why are so doing. W Fwd S&A, 11-27	
368868	11;12	Postal Censorship Com	Receipt of registered package cont copy of patent from Mark & Kerk to a firm in Stockholm W	
363251	12;5	Stahl Co 882-1	Fwds descrip matter on their charging and star light batteries. Cross to Bat Radio. W	

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PATENTS:

Number.	Date.	From or To—	Subject.	
370014	11;15	Com	Quotes intercepted letter from L Langer in con with Marconi Co ~~antenna~~ patent applied in Argentine.	
370234	None	Hooper	Sub report on advance in price due to purchase of Fed patent and station by Navy Dept	
371670	1;22	Boston	Fwd.	
373471	11;29	Emory Booth & Narvey	Fwds draft of letter which may serve as sug as sig for com with Atl Com Co. Req instruc as to what sum will be paid for dept to new Co Co. 11;29	W
377017	12-14	To Commissioner Of Patents-Asks copy of patent No 1,281,309 Patent Office-Fwds copy of patents.		W 12;19
377369	12/14	Alien Property Custodian.-By does not desire to purchase Seibt patent at price named at present time. Mr Ramesy Hoguet. You should inform claimants that it is not intention to act favorably on request for purchase of patent. 12/14		W dept's
	CO HOOPER-In con with amount to be paid for Seibt patent 12;31;18			
377694	12;20	K & C Co	Old Number	

PATENTS

Number.	Date.	From or To—	Subject.	
331898	8/1	To Fed. Tel. Co.	Reqts. compl. abstract of all patents granted & all appl. pending. W S&A 8;12 Fed Tel Co - Gives action that company is taking Cost Inspr-Relative to pattent and devel. W S&A-Fwds correspondence. 11;25 Fwd S&A, 12-12	
334331	8;1	Norfolk	Fwds reqst of H E Holberg for appliance patents and high speed relay and break key. W Norfolk, 9;9	
335763	8;6	F K Vrlend - Vreeland.	Calls attention to patent covering apparatus now being used by the government, reqst conference in connection with. W To--- Will be glad to discuss patents any time. 8/23	
339719	8/10	To Com. of Patents.	Wishes to determine ownership of attached list of patents. W Dept Interior - Reqst send persons to secure information at patent office.	
340096 SEE CARD 10 341822	8/24 Emory Booth & Janey-Fwds revised form of let to Norf 12;27 To J.C. Tomlinson-withdraws above o fer 1-2 8/27	To Ramsey Hooget To Secty War	Advises re purchase of long wave receivers. W To JC Tomlinson. Ack. rect. of agreement & comments on same. 8/28 Emory Booth & Janey - 12;11 To substitute Lt Comdr C B Hooper as rep to consider the subject of licenses or royalties to be paid wireless tel Cos for the use during war of patents supposed to be owned or held byt hem	632

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PATENTS:

Number.	Date.	From or To—	Subject.	
334244	8;23 8;31	Hon G R Lunn Dept	Sub facts in connection with Raes Invention, and Mr Raes req to examine blue prints.	
347801	9/7	To Secty War	Desires to substitute Comdr Hooper as Rep of Navy re conference to consider subject of licenses or royalties to be paid wireless tel Co for us ecf their patents L	632
353043	9;19	Fed Tel Co	Fwds bill covering balance due on contract 1541 on account of purchase of patent properties and rights ~~fe~~ of the Fed Tel Co. K	
354068		International R. T. Co.	Representative called and discussed plans with joint board for negotiating license agreements under radio patents with proper sketch of W	
359709	10/15	War Department	Negotiations with DeForrest Co/ In connection with patents . Fwds memorandum of presenting at informal meeting of Board W	

1918

PATENTS.

Number.	Date.	From or To—	Subject.
312962	5/29	Marconi Co	Asks if US Navy will grant to Marconi Co exclusive license rights under the Paulsen Fuller arc patents desired especially to use on arc transmitters - W To Marconi. Reqts. statement stating why they want license. W 6/11 Marconi Co - Gives statement showing purpose for which license is desired. W 6-14 To Marconi. Commenting on above. 6/18 To Com. Fwds. correspondence re Poulsen arc transmitters. 6/22 Marconi Co 6;25
325482	7/11	Lt Cmdr G C Sweet	Reports on conference at N Y in conn w appraising Atlantic Comm ~~xxx~~ Co properties taken over by the Alien Propty Custodian. W
325483	7/11	Lt Cmdr G C Sweet	Submits report on visit to office of Radio Developement Co of N Y and states co is composed of busines men who have purchased foreign rights of the Federal and Polsen Cos and negotiated with the British. Marconi Co-have passed resolution giving U S all prior rights to new inventions that might be made on this type of apparatus. W
324743	7/11	To Alien Pro.Custodian	Encl. copies of letters. W
331016	8/1	To Secy. of Interior	Reqtd. that patent & such other patents of rad. apparatus as may be issued to the Fed. Tel. Co. be held in secret file. W

To---States that Navy withdraws its reqst. that patents on radio apparatus issued be held in secret file. 2/4

To Interior Dept-Req drawings. 2;4

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4—3381

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PATENTS:

Number.	Date.	From or To—	Subject.	
327684	—	War Department	Fwds copy of report from patent section relative to infringement of radio patents and rec, bureau enter into negotiations in connection with. W	
327897	7/19	To NY (T)	Patent books available in B. Send clerk to Wash. W	
328269	7/20 KPC&H - Req sim. let. writ. Mayer Amer. T.&T. Co. W Judge Mayer - Will take up (& Neaverr. Page Cooper & Hayward - Submits matter with attorneys. W To D.W. Cooper. Reqts. to interview Lt. Gen. LeClair. 8/9 To Cooper. Commenting suit. 8/23 To ---- Fwds. copy of let. 8/28 To CNeave Fwds. copy of let. 8/28	To J.M.Mayer	Re suit pending in Court of P.C.Hewitt & detailed information resuit and reqst conference in connection with. W To Honorable J M Mayer - Reqst that no further steps be taken in the litigation of Peter Cooper Hewitt and American T Tco relative to vacuum tubes.	
329514	7;19	Emory Booth & Verney	Letter of introduction for Mr Whitemore who will go over books of wireless patents. W	
330719	7;23	Emory Booth & Verney	Fwds list of prints which may be German owned. Necessary to have assignment search patent office. W	
331150	7;26	Fed Tel Co	Relative to Polsen Wireless Corp and Fed Tel Co are doing everything possible to stop further publications. W	
323368	7/2	NN	Fwds copies of corres between Contrs & Cramps rel to question of tubine patensts	119-0-9

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[OVER.]

PATENTS.

Number.	Date.	From or To—	Subject.	
295153	2-24	Patrol Force	Request four 1/4 kw portable radio sets be furnished for defense of Florida Straits. W To S&A—Reqt shipt of port set from Wash to Patrol Force at Key West.4/8 To—Gives action.4/8 Key West 8;29 Key West 8;30	
	CANCELLED	- TRANSFERRED TO CARD #897		
294631	4/9	To Phila	Fwds booklets covering 1/2 KW impact type radio set being manufd by Cutting & Washm. W To Phila-Booklets are complete and supplied those rqdedy with reference.	
297704	4-12	A Fed Tel Co To C W WALLER---4-19 Original letter not sent-settled without legislation. Copy of contract. Solicitor - Fwds copy of contract 1541 with Federal Tel Co for certain rights in and to inventions and discoveries and letters of patent. W 6-3	Forwards proposed agreement for sale of all patents rights and operating property owned by the Poulsen Corporation and the Federal Company. Previous agreements providing for monthly payments, to terminate on execution of these agreements. W To--Acknowledges with comments.4/12 Federal Tel Co-reqt early decision on proposition submitted April 12th.W S.J.Steadman-personal--asks if desire apptmt Washn.4/16 To S.J.Stedman--Acknowledges letter.4/20 To C.W.Waller--4/20 To Dept-- Purchase rights and property of Federal Tel.Co and Poulsen Wireless Corp. In re 4-19	
298505	4/15	Belmar	Reqst patent be taken out to cover eliminating device originated with A White Taylor transalantic communication officer. To solicitor.Asks what action taken on let. of 4/24. 7/5	908 908

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Number.	Date.	From or To—	Subject.
303788	5/4	Naval Communications	Quotes letter re Inca Acustic apparatus for aerial communications by sounding waves - interceptedfrom C Marshall to Julio C Acurio. W Fwd Nav Intell--5-10 RB 6-15. W Fwd. Communications. 6/19
303880	5/8	Marconi Co	Recmnds no decision be reached at present re Marconi Co assuuring repairs on radio apparatus on vessels. W
305916	4/27	Richard Pfund	Fwds memo concerning patent #1214591 to G Reuther, German subject-covering radio apparatus. W Richard Pfund fwds additional infor. W
310717	5-27	S.J.Steadman (Marconi Co)	Replies to criticism of attitude toward Navy Department, in connection with negotiations of the England Marconi Company to obtain improvements of the Federal Tel Company. C ~~To S J Steadman-In re above--5-29~~ Sidney J Steadman - Fwds copy of letter to Federal Telegraph Co. 5-28 To ---- in re above-- 6-3
306926	8;16	Ports.	Sub report of operation of difference make of transformers.

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[OVER.]

1917

PATENTS.

Number.	Date.	From or To—	Subject.
253012	10/2	E. J. Simon	1 kw panel sets; states is not in a position to waive all rights to design and furnish specifications and prints to Bureau and gives reasons in detail.W To—Comments on.10/8
253551	10/8	To Nav Com Hammond Radio Research Lab-Thanks Bu for Corpn.W 2-23	Fwds letter from John Hays Hammond, to Chief Signal Officer, War Dept, for action. W Nav Com 11/19 Fwd Nav Com—11/21 J H Hammond 2-6 To Harvard School—Reqt fwd Ensign Snyder to witness demonstrations.2/14
255448	10/17	Atlantic Communication Co	States license agreement between Dept and company expired; request check covering royalty due from Jan 1 to June 30, of this year W To—Cannot consider at present.11/1
257263	10/26	Vernon Durbin VOID	Request test of new fire control.L
257268	10/26	Solicitor	Dr Louis Cohen; fwds copy of agreement for purchase of drawings of receiving apparatus.W Fwd S&A—11/3
260940	11/15	To F.A.Kolster	Directs submit bill to Bu SE and it will then be fwded to S&A with appvl recommended. W

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PATENTS: 896

Number.	Date.	From or To—	Subject.	
261880	11/19	F. A. Kolster	Fwds bills for $25,000 for payment of radio compass - K To S&A--Rec payment.11/22	
262701	1/10	NY Patent Exportation	Rel to license covering mfg of the Seibt patent.W	
272530	none	Stedman Atty for Marconi Co	Copy of letter to Federal Co and Secy of State rel to examination of Fuller Improvement Co and the Poulson Arc by Dr.cohn same to be confidential. Further data March 15. W	
274262	1/16	Walter Humphrey T	Request be ordered to Wash in connection with suits against Mallery Steamship Line and Marconi Co. To--(T) Directs proceed to Wash at once.1/17	
277376	1-26 NY-Fwds copy of reply dated Feb 21st. W 3-8	E. J. Simon	Simon quenched gap pattern - fwds copy of pattern. W To NY--Fwds copy of above for comment re 2/5. Inspr NY - Rel to Simon's letter of 1-26 W 2-21 To NY--2/26 To NY--Reqt reply. 3/7 NY - Information forwarded. W 3-7	
34429	2-20		International Signal Company claim $2,150,000 on account of patent litigation and developement, to be prorated among radio compasses on contract #34429 and any future contracts.	629
291100	3-19	Communications	Forwards letter intercepted by the Executive Postal Censor Committee, covering application for patent covering improvements in transmitting coil relays. W (Application by Fritz Nolte, German citizen) To--Acknowledges.4/5	

4—3381

[OVER.]

PATENTS

Number.	Date.	From or To—	Subject.	
200862	9-30	Solicitor	Agreement with At Com Co. licensing Navy Dept to manufacture certain radio apparatus. W	
200905	9-26	At Com Co	Seibt patents; asks statement of basis on which Govt desires license. W	
	To—Acknowledges letter 3rd inst. 11/8		To--Lieut Hooper will discuss on next visit to New York. 10/2	
			Co makes appointment for latter part of week 10/17	
			Co has taken over Seibt patents from Genl Transmission Co. 11-3	
201607	10-9	Solicitor	Memo agreement Fed Co permitting Govt to manufacture arc radio apparatus. W	
203445	10-24	Knight Bros	Fwds papers in connection Arco Rendahl quenched gap case. W	
205214	11/7	Clark, Geo · H.	Development of new type radio receiver by enlisted personnel; recommends Gunner Eaton be allowed to take up patent	898
			1917	
212697	1-2	Radio Aide Forbes	Roraty nonsynchronous spark gap; request authority to take out joint patent with Commander AJ Hepburn. W	
	12-23	Dept	Fwd Dept--Rec appvl. 2/13 RB 2-17	
			To A.J.Hepburn via SO CARO--Fwds copy of letter to Phila. 2/19	
			To Phila--Appvs request. 2/19	

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PATENTS: 896

Number.	Date.	From or To—	Subject.	
215883	2-19	Fed Tel Co	Agrees to extend license for manufacturing arc sets when formal application is recd.W	
226611	5/4	Atl Communication Co.	Request confirmation of decision that the Dept doen not desire to take option on Seibt pattern W Fwd Sol--5/8	X
236250	6/30	To Commissioner of Patents Interior Dept	Reqt status of patents respecting radio transmitting or receiving apparatus, etc. W Patent Office fwds pantent ~~of~~ 7/9 To--Lists patents wanted.7/10 Patent Office, Fwds. 7/16	
239087	7/12 7/17	Atlantic Communication Co Dept	Asks if wireless agreement of Jan 1, 1916 is to be renewed.W Fwd Dept--10/22 RB 10/26	
245332	8/21 To--12/31 To Wash--Fwds corres specns and blueprints for examination.1/19	Western Elec Co	Gives statement which is stamped on bids which would release them from penalties and suits for infrincement on apparatus furnished government; request Bureau's policy in regard to; also fwds corres-pondence with the National Elec Signalling Co relative to their patents.W To--Comments on.8/31 Co further data relative to cooperation with amplifier set and auxiliary equipment for use with Fessenden oscilators 10/12	

NB—0120

[OVER.]

PATENTS:

Number.	Date.	From or To—	Subject.
171792	11-22	To Yards.	Radio patent descriptions; Bu has arranged with Patent Office that copies of all radio patents be mailed to yards for information of radio aids. W
174717	12/23	Norf	Reqt instructions relative to allowing expert radio aids to submit applications for patents on radio material. W To--Comments on. 12/28 Halborg, H.E. Application for patent 3-11 Fwd Dept--Rec recognition be given on record for. 4/18 RB Dept authorizes application for patent, Navy to have free use 4/24 To--Gives Dept's action. 5/3
178903	2-9 2-11	Atlantic Communication Co Dept	Reqt statement that apparatus manufactured under a license. W To--Submits statement of apparatus. 2/23 To Atl Com Co--Reqt reply to Bu letter. 3/23 At Com Co fwds data 3-24 At Com Co will fwd cont next week 5-10 At Com gives resons for delay 5-17
183213	4-20	To Dept Via Rad Ser.	Patent by naval employees: reqt arrangements be made with Dept Interior for providing a secret file of patents in order Govt may receive advantage of invention without placing inventor in position of not receiving credit for. W Nav Intel matter before Congress 5-13
	Fwd Sol--10/16 To S&A--Have rec payment. 10/14		
186582	4-27 S&A reqt action 10-10 At Com Co. reqt action 8-25 Fwd Dept--9/5 At Com Co no voucher recd 9-25 To At Com Co- 9/26	At Com Co	Royalties on radio apparatus; agreeable for the Dept to have until May 31 st to render account for term end Dec 31. W To--Gives amount due under agreement. 5/17 Co fwds bill 5/20 Fwd Dept recommending payment 5/31
188553	5-20	At Communication Co	Fwds copy of letter to S&A transmitting bill for royalty. W To--Ack receipt of. 5/24

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PATENTS: 896

Number.	Date.	From or To—	Subject.
189377	5-29	Clark, GH	Request permission to obtain patent on attachment to wavemeter; gives description. W Fwd Dept-- Rec appvl. 6/2 RB appd 6/20
193242	7-10	At Com Sys	Request appointment for Thursday to settle agreement. W To--(T) Grants appointment. 7/12 Co proposes different date for appointment (T) 7/13 To-- Wednesday satis. 7/15
184490	4/29	Fwd Dept	Reqt contract be made with Fed Tel Co to manafacture apparatus under their patent 876
196231	8/10 At Com Co have rendered bill to S&A; fwds copy of 1/16	Knight Bros	Fwds copy of proposed agreement; Navy Dept, Atl Com Co; allowing manufacture of apparatus at navy yards under their patents, upon payment of royalty. W Knight Bros lists patents stricken from schedule 8-11 Fwd Dept-- 8/16 Fwd dept 8-19 Knight Bros reqt action 8-26 To Atlantic Comm Co--Directs submit bill to S&A of $2,992.62 for royalty on radio apparatus mfgd. 1/15
197631		Knight Bros	Fwds agreement executed induplicate by Atlantic Communication Co, eliminating Seibt application. W Fwd Sol 8/25
199479	9-8	Knight Bros	Ack notification WH Pumphrey will be Dept representative in all matters affecting license agreement At Com Co.
200552	9-28	Knight Bros	License agreement At Com Co. Fwds copy assignment of patents in detail W Fwd Sol--10/3

NB--0120

[over.]

PATENTS:

Number.	Date.	From or To—	Subject.	
48349	9/6	Dept. Justice	Reqt. copies of papers and other information from Bu. Equipment files in connection wih infridngement suit of R.A. Fessenden.W	
			1912	
59131	1/20	To Patent Office	Requests copy of patent No.700,250. W	
59444	1/24	To Patent Officer	Wireless telegraph; request copies of patents, if any, other than those listed.W/ To---Request reply.2/15. Fwds .	
			1913	
86392	1/2	To Interior Dept	Radio-telegraphic apparatus, requests that in examination of patent applications, full protection be afforded the Go t. to extent of official publications.	674
87370	1/10 1/11	Patent Office. Dept.	Radio patents. Requests Navy call attention to any radio publications not specially common or accessible which may be of use to examiners. States Dr.Austin's paper, of which notice was given, is not in patent office library.W	
101157	7-7	NY	Galena crystals for detector; price excessive reqt. patent situation be looked into, in connection with mfg.	898
			1914	
131518	8-4	Clark, G.H.	Reqt ruling on Expert Radio Aids securing patents on developments and improvements which they may make in radio apparatus; Govn to be granted free use of such patents.W Fwd Solicitor.asks if any legal objections in way of granting permission to take out patents developed in course of govt work.8/6	OVER

NB—0120

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PATENST. 896

Number.	Date.	From or To—	Subject.	
134202	8-31	Cohen, Louis	High frequency generator; transfers all rights to basic therory	882-3
131518		OVER	Dept 12/2--no legal obstacle; Dept has no objection.W	
160274	7/9	Norf	Reqt all patents covering high speed automatic telegram apparatus.W To Patent Office--Reqt information be furnished. 7/15 Patent Office; recommends employee be detailed to make selections.W Fwd Norf-- 7/30 RB 8/4 To Norf 8/20 Norf awaiting instruns	8-25
		To--Comments on.9/4 Norf reqt authority to develop relay key 9-14 To Norf--Appvs. 9/15 Norf-further report.9/21. To Norf--Appvs.9/25		
161357	?	Radio Division, Bureau	Inventions in radio; summarizes Bureau's Policy of cooperation with inventors and manufacturers.W	
163487	8-9 8-12	Hill, Guy NY	Reqt loan of drawings for wave changers and loading coils for se in manufacturing by private concern for sale; covered by Clark and Hill patent; has agreed for Govn to use but objects to Govn allowing mfg by private concerns.W Fwd Dept VIA SOL; no objection 8-18 RB appd 8/24 ref. N.Y. appvd. does not desire to encourage such practice 8-25 RB 9/14	
166392	9/21	DeForrest Co.	Fwds list of DeForrest, Stone and Ehret patents controlled by DeForrest Co. W	
170937	11-11	To Patent Office.	Reqt copy of radio patents as issued from time to time be fwd to Yards for their ifnromation. To--Add Pensa to previous list. 10/17	

NB—0120

[OVER.]

FILE No.		From or To— (Dated)	Subject.	
28639	1/6	Waller,C.W.	SUBMARINES: fwds drawing of	907
31012	2/7	To Valores, I	W.T.APPARATUS: concering "Phares Hertzians" for use of vessels navigating in a fog	876
34869	3/27	NY Yd. 855-31	BREAK: rel to the inspection of United Wireless Telegraph Co.'s. W	898
35310	4/3	Richardson,C.E.	WASH.L.D. "STRENOLITH" states owner of right to make, not in position to introduce the material at present time.	841.
36053	4/5	Dept.Justice	Fwds claim of National Elec.Sig. Co. against the US for $100,000. for damages for use of patents owned by Company. W To Dept via S&A. Fwds copies of papers relating to.4/26. Fwd S&A 4/26.	
37258	4/25	At.Flt	REC & Send: fwds report on duplex break for use with, invented by Elec.Hudson & Linville, of the Panther: States operation is practically perfect.	898
38034	5/5	TO Commissioner Patents	Reqt. copies of wireless patents.W Fwds. 5/9	
39532	5/23	TO Commissioner of Pat.	Reqt copies of certain wireless patents. W Copies of patents recd.5/29.	
43642	7/13	Dept 18668-34-10	Fwds call forpapers on infringement suit of Nat.Elec.Sig.Co. against Telefunken. Copies of furnished, but need certification.K	

896-1

Number.	Date.	From or To—	Subject.
652327	12/4	Edwards Sager and Bower Co.	Marconi Co Vs U.S. will be held Dec. 12. Rqsts Dr. Miller be present W
		To--	gives Inform W 12/7
654534	12/5 12/20	Dept Justice JAG	Marconi Co versus The U.S. Rqsts assistance in suit W
			Fwds J A G 12/29

4—3381

Number.	Date.	From or To—	Subject.	

PATENTS INFRIGNMENTS 1922

Number.	Date.	From or To—	Subject.	
641926	7/15	Pennie-Davie-Marvin & Edmonds.	Wireless Specialty Apparatus Co suit aginst Freed Eisemann Radio Corpn covg infrignment of patents on Crystal Recg sets etc W	
641973	9/6	Freed Eisemann Radio Corpn	Fwds copy of New York Law Journal containing decision restraining Wireless Specialty Apparatus Co from continuing for publication of warning notices W	
645330	10/5	Dept Justice	DeForest vs United States- request appointment for conference rel to. W.	
646770	?	Wm. H. Freiess	Requests certified copies of blue prints with patent on in regard to infringement suit. W Fwds J A G 10/27	

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PATENTS INFRINGEMENTS 1922

Number.	Date.	From or To—	Subject.	
649945	10/26	Dr. G Seibt	Offers a sist nce in connection with patent suit by general transmission Co W Memo for office of Naval Intelligence- To Atty General- Fwds letter from Dr G Seibt 11/21	11/18
650906	11/21	Edwards Sager and Bowers	Records of Marconi versus KC Co. Fwds to bureau W Edwards Sager and Bowers 11/20 Fwds records W To Edwards Sager and Bower- Gives action taken 11/25 To E Sager & Bower (T) Doctor miller will be in NY Monday morning 12/16	
651874	12/1	W.B.Priess	Action received of copy of prints of radio test shop for use in suit against wireless apparatus Co. W	

4—3381

[OVER.]

PATENTS INFRINGEMENTS 1922

Number.	Date.	From or To—	Subject.
622930	5/9	Western Elec.Co.	Subm inform rel to suit brot against Co. by Internatl R/T Co. on infringement of patent cov material on Navy contracts listed. W
623182	5/2 5/11	Dept of Justice JAG	Request inform rel to A. C. Fuller vs United States on patent for improvements in radio apparatus W. Fwds Judge Advocate Gen 5/16
624744	5/20	Bur Stand Labr.	Subm report by Dr. J.M.Miller cov patent investigation of Schloemilch vs Bronk on means for receiving electrical oscillations. W
625520	5/22 5/26	Fish Richardson Neave JAG	GAIE patent-maintains same is valid and is infringed by KA oscillator. W Fwds Judge Advocate General 6/10 RB 8/10 W To Sub Sig Co- Gives Action taken 8/22 Fwds Judge Advocate Gen 8/26 Dept- Copy action to Disg Richardson Meade- 9/1 W.
638873	8/1	H. Knight-	Wireless Spec.Co. vs Freed-Eiseman Co. - information relative to. W.

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PATENTS INFRINGEMENTS 1922

Number.	Date.	From or To—	Subject.
625097	5/26	To Hon Attorney General (Asst Sec Sig) Dept of Justice	Fwds cc of a report of U S Research lab ocvering experiments made with the circuits shown in patent issued to W Seblesmilch and O Von Bronk W Dept of Justice- 6/2 W.
628643	6/15	Sperrys Co	Have withdrawn suits pending in Court of Claims W
		CANCELLED See- 674-1	
629823	6/28	To Hon Attorney General (Sec Sig) Dept of Justice	Believed that Mr. Wallace has considerable claim on circuit which will have bearing on Armstrong invention. W
638329	7/19	War Dept	Claim of Dr. J. Robinson covg use of direction finding sys description in British patent #134560 Request information in conn with W Mems- War Dept- gives Inform W

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4—3381

[OVER.]

PATENTS INFRINGEMENTS 1922

Number.	Date.	From or To—	Subject.
615747	3/7	Dept Justice	Ask if Comdr. Loftin can be in N.Y. in conn with J.H Clarke testifying in favor of Weagant. W.
616603	3/27 ??	Vreeland Appr'Co. Jag	Subm proposition rel to settlement of claims against Govt. arrising from alleged unauthorized use of Vreeland patents. W. Fwds Judge Advocate General 4/26 Fwds Dept 6/17
609219	FROM CARD	37	Emery Varney Blair & Hoguet- Deposition from Cdr. Loftin desireable. 4/17 W. To R S Blair- Gives instrns 4/21 R. S. Blair- 4/22 W. R. S. Blair- Fwds copies of correspondence 5/11 W. To Dept of Justice (Asst Sec Sig) Fwds copies of papers listed 5/19 cc Robert S Blair 5/19 Department of Justice- Fwds license agreement executed by Westinghouse E/M Co. and Radio Corpn of America. 8/22 W. Fwds J A G via S&A 9/30 Dept Justice- Returns correspondence. 11/1 W To Dept of Justice-Fwds correspondenc 11/14 W.

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Number.	Date.	From or To—	Subject.
619142	4/7 4/17	Sheffield & Betts JAG	Request certify copy of Bureau radiogram 1/14/14 #114984-900. W. Fwds Judge Advocate General 4/25
619140	4/12 4/17	W. H. Pumphrey JAG	Invites attention to U. S. Circuit Court of Appeals rel to E. H. Armstrong & Westinghous E.M. Co. vs DeForest Co. on so called feed back circuit. W. Fwds Judge Advocate General 4/21 JAG- Request Dr. Austin testified. 5/2 W Fwds L W Austin 5/6 RB 5/27 W.
620397	4/22	Internatl Device Co.	Request copy of accounting made by inter-Department Radio Board on their claim. W. To International Device Co- accounting sheets of board show allowance as listed 4/27
621716	5/3	R. S. Blair	Rel to interferences, Taylor vs Weagant and Taylor vs Hogan; ask Taylor's present connection with Government. W. To R S Blair- Fwds cc of assignemnts 5/6 R. S. Blair- Acknowledges receipt of papers. 5/8 W

4—3331

[OVER.]

Number.	Date.	From or To—	Subject.	
603350	?	Sheffield & Betts	Hill and Clark vs Lowenstein Co.- request authority for G. W. Benson and W. Klaus & M. A. Tattersall to testify. W To Annapolis- Reqst Lt W A Tattersall will be authorized to come to Washn when requested by Sheffield and Betts cc Sheffield and Betts- 1/7/22 Nav. Academy- 1/9 W. To Dir Naval Commns- Reqst Lt W Klaus and Gunner G W Bensing be autho to testify in patent interference Lowenstein v Hill and Clark v clerk when requested to do so cc Messrs Sheffield and Betts 1/9/22 W To Comdt Reqst that Quarterman Electrician J E Feller be autho to testify in patent interference listed cc Messrs Sheffield and Betts 1/9/22 W Dept- Copy of action to communictions . 1/10 w Sheffield and Betts- 1/17. W. Sheffield and Betts- Subm list of witnesses requested to testify. 1/17 W. To-- Gives detld inform 1/21 To-- Gives Action 1/21 To Annapolis- Reqsts Lt Tattersall be permitted to come to Washn on or about 2/6/22 cc Sheffield and Betts 1/24/22 Sheffield & Betts- Request document granting Navy right to operate station at Colon. 3/21 W. To-- Sheffield & Betts- Gives Action taken 3/24 M. C. Massie- Request full inform regardng request for executive order. 4/14 W. Fds Judge Adv Gen. 4/22 W	

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Number.	Date.	From or To—	Subject.	
607790	1/19 2/1	R. Hoguet Communications	Ask if reduction to practice by G. H. Clark was a reduction to practice within the United States or accomplished in the foreign country. W. To-- Gives Inform 2/8	
608056	2/2	Dept Justice	Meissner vs Poopen vs Armstrong interference producing receivers fining was in favor of Meissner. W.	
6082 01	2/5	G. H. Clark	Request instrn books prints and correspondence be furn for use in Hill-Clark vs Lowenstein interference. W. To Mr- Gives Action 2/7 To Judge Advocate General- Gives Instrns 3/18	
609219 To R.S.Blair-2:20-W TO CARD 38	2/9	Emery Varney Blair & Hoguet	Taylor Hogn and Taylor-Weagent- interferences- ask if Cdr. Taylor can attend. 2/9 W To-- Gives Action 2/14 Em. Varn. Bl. Hoguet - Gives date of testimony 2/16 W Emery Varney Blair & Hoguet-2/18 W	
609006	2/14	To NY	Records for use in connection with Patent Interference Lowenstein vs Milland Clark c cc NY- Sherfield _ Betts W	

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[OVER.]

Number.	Date.	From or To—	Subject.
570060	6/13 6/16	C. A. Mason Naval Intelligence	Ask what interdepartmental radio board proposed to publish rel to Title Insurance and Trust Co. W. To C A Mason 6-24
573493	7;6	Lowenstein Co	Reqt loan of transmitter as furnished by Co on contract 231-none on board PUEBLO.W To Lowenstein 7-9 To N.Y. 7/9 instaln on PUEBLO.
574574 5	7;12 fwd Asst Sec 8/4	InterDepartmental Radio Bd	Dept declines continuation of services of J.A.Bouslog in connection with claims.W fwd Asst Sec via S&A 7-14 RB 7/20
574766	7;12	Emerory Varney Blair & Hoquet	Recommends negotiations relative to submarine signalx interference be concluded at once.W
574803	6;29	Hon.W.E.Lineberger Hon.H.Z.Osborne	Introduction for J.M.Sheridan relative to claims of E.G.Hanson before interdepartmental radio board C&W To 7/18 To J M Sheridan 7/18 To Hon Osborne 7/18
586200	8/15 9/19	Radio Corpns S&A	Request guarantee clause be incorporated in contract that Govt will not sell material called for. W. Fwd S&A cc Key West 9/27 RB 12/3 WR Fwd S&A cc Key West 12/8
589329	9/28	Dept of Justice	Pupin and Armstrong vs Meissner-in conn with low frequency peceiver patents. W.

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PATENTS INFRINGEMENTS 1921

Number.	Date.	From or To—	Subject.	
594915	11/4	DeForest Co.	Will accept reasonable reward for infringement of United States on their patents. W. To-- If company is willing to accep sum arrived at by board in full settlement of its claim Both prior to and subsequent to the sale of patent rights to The Western Elec Co that Board will recommend acceptance of offer 11/12 De Forest Co.- Will accept settlement of $21,440.17 11/14 K To-Gives Action 11/26 To--Chairman Inter-Departmental Radio Board- Fwds cc of letter of De Forest Telephone Co- 1/6/22	
8598 -	11/14	To Subm Signal Co.	Rel to infringement of patents. WR.	706
598063	11/28	James Francis Burke	Ask if any progress being made regarding the prospectibe settlement of radio claims. W. To-- no inform available before 12/15 12/2	
598831	11/29	Dept of Justice	Fwds decisions rel to interference involving application of patent of Meissner. W To Fed Tel Co- Quotes the counts in the interference De Forest vs Armstrong vs Meissner vs Langmuir involving three-Electrode oscillator 1/6 W/22	
14411-590	11/21	15th N. Dist- Eng	Wave changer or parts wanted as exhibit in patent suit.	

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[OVER.]

Number.	Date.	From or To—	Subject.
551140	3/4 3/7	Philip Farnsworth Emery Earney Jeney,	Protest against paying National Elec. Supply Co. for assistance in Dubilier Condenser suit. W. To R. Hoguet- 3-14 Emery Varney, Blair Hoguet- Comments on controversies. 3/14 W.
551070	3/11 3/11	M. C. Massil Seliciter	Request authority to get correspondence from Hill-Clark & Lowestein Suit for Lowenstein Co. W. Fwd S&A 3/15 RB 3/17 W. Fwd S&A 3/23
552731	3/21 3/21	Dept of Justice Dept	Request Dr. L. W. Austin be allowed to testify in case of J H. Rogers vs U. S. W.
554189	3/28	Lowenstein Co. To IM NY Auths loan of app 4/8 To Lowenstein Radio Co Auth'd 4/28 W Lowenst Co (T)-Rept action 4/28 regarding contract 231 5/2 W	Request 5 KW radio transmitter installed on similar to those installed on Scout Cruisers be loaned in conn with patent suits. W. IM-3-31 W Lowenstein Co-T-rept action relative to loan of transmitter for evidence-4-27-W
554392	3/29	Lowenstein Co.	Fwds copy of letter to N.Y. rel to loan of certain Lowenstein Apparatus for use in conn with patent interferences. W. Fwd Solicitor 4/2 RB 4/8 W.
555742	4/8	To Boston	Rqst be informed if spark set removed from BIRMINGHAM is in store at Boston- available for immediate shipmt. W 138-6

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PATENTS INFRINGEMENTS 1921

Number.	Date.	From or To—	Subject.
554189	5/3	To Boston (T) SEE OTHER SIDE	Auths lean radio transmitter less meter generater to Lowenstein Co Brock-all charges of packing and shipping borne by Lowenstein W To Lowenstein Radio CO (T) Gives instrns 5/3 Boston 5/25 W. To Boston 6-2 Lowenstein Co. 6/17 W Lowenstein Co.- Rqst action in conn with loan of transmitter table.6/23 (T) W To Lowenstein Co- 6-23 To CO PUEBLO Tel 6-24 To Lowenstein Rad Co Tel 6-24 NY-7:31-W To NY - Gives Action taken- Reqsts dispositi n of 3/31/23
563065	5/6 5/10	R. F. Steward S&A	Rqst photostat copy of bid from Radio Tele Co. for wirelesss apparatus be furn on schedule 2115. W. fwd S&A- 5/12 Lowenstein Co -Rqst copy of bid. 5/11 W. Nalle & Scott- 5/12 W.
564435	5/17	Solicitor Decisions	Fwds opinion of atty general rel to rights of General Transmission Co. under Seibt patent. W To Inter Dept Bd. 5-23 fwd Solicitor 5-23
565939	5/24	Pennie Davis Marvin & Edmunds	Fwds Judge Mayer's opinion on Armstrong feedback case. W. To 5-26

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[OVER.]

Number.	Date.	From or To—	Subject.	
525555	11-8	To Patent Office	Fwds license agreement between Dubilier Co denser Co and U.S. Reqst be recorded	W
531089	11;24	R.Hoquet	Copy of letter to NY in connection with return of exhibits to original locations under custody of H.H.Clark used in suit Dubilier-vs-Wireless Specialty Co.W	
531065	11;23	R.Hoquet	Fwds bill from National Elec Supply Co for services Dubilier condenser case-appeals against.W. To R Hoquet- 11/29	
530776	11-22	Sheffield & Betts	Reqst F.B. Finney, Chas yard be auth to give testimony in conn patent interference Hill & Clark vs Lowenstein Radio Co W Fwd Secty with suggestions 11/26 To - Gives action taken 11-27 Sheffield & Betts- 11/21 W.	896
531152	11-27	To Washn	Authorises Capt Hill one of inventors to confer with O-I-C of Radio Test Shop as to what photographs needed W	
530414	11-27	To Washington	Reqst copy of Bur of Equipment reqn 181 covering Wireless sets, dated April 1st 1910- W	
531583	11-30	To S&A	Reqst shipmt of wave changer from Washn to Wheffield & Betts Washn- (loan) W To Sheffield and Betts- Gives action taken rel shipment of wave changer cc SO Washn W 12/9	

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PATENTS INFRINGEMENT OF

Number.	Date.	From or To—	Subject.	
532646	11/24 12/1	Internatl R/T/Co/ Solicitor	Request permission to take testimony of Chief Gunner A. F. Wallis, in interference with F.K Vreeland. W. Fwd Solicitor 12/9 RB 1-21 fwd Sol 1-24	
533780	12/9	Sheffield & Betts (T)	Request authority for JW Facey formally on ARKANSAS to testify in interference rel to telefunken instln on board ARKANSAS. W To S & B Tel 12/10 To American Gas Accumulator Co. (T) No objection testifying for Hill and Clark in re instln 12-10	
539826	1/11	Lt.Cdr. A.M.Stevens (T)	Ask if will authorize testifying in De-Forest -Armstrong suit. W	
543345	1/27	Dept	Fwds folderx in conn with claims of R. A. Fessenden for renumeration covering amount expended in developing inventions used by Govt. W.	
520305	FROM CARD	33	Exp. Sta.-Fwds copies of reports. 3/3 W To J S Easby Smith- reports previously fwded all in files 3/11	

4—3382

[OVER.]

PATENTS INFRINGEMENTS OF 1920

Number.	Date.	From or To—	Subject.
520305	9/28 10/1	Prentiss Stone Boyden Solicitor	Request nots of correspondence rel to interference in patent office btween patent of J. H. Rogers and application of J. A. Willoughby and P. D. Lowell. W.
TO CARD 34		J. S. Easby Smith-Fwds copies of correspondence 2/3 W. To Nav Acad- 2-8-21 RB 2-16 To J.S. Easby Smith- fwds 2-18	fwd Sol 10/4; RB 10-29; W fwd Sec 11-13 J Easby Smith-Fwds copy of corrsp and reports 2/21 W
520512	10-4	To Expr Stn 3-2 ; To N.Y. To Sheffield & Betts/ 10/4	Confirmation of phone conversation rel patent interference Hill & Clark vs Lowenstein W Sheffield & Betts- Request data rel to patent interference of Hill-Clark vs Lowenstein. 9/25 W.
520613	10-4	To B.F. Miessner	Rel procedure in conn with telephone appr. W
520612	10-4	To Wireless Spec Co	Acknw letter of 8/6 rel depositions in suit of Dub vs Wireless W
520 961	10/5 N.Y. 3/16	To R.Hoguet W.	Rel papers in suit of Dubilier vs Wireless W To G.H.Clark 10/5 To Dept Justice 10/5 To Boston 10/5 To N.Y. 10/5 Emery Varney, Blair & Hoguet-Returns duplicate original license 10/15 W To acknow 10/19
520961	10/1	Dept of Justice G. H. Clark- 10/6 W.	Request further data in case of Dubilier Cond. Co. vs Wireless Spec. Co. W. Emery Varney & Hoguet, 9/25 W. G. H. Clark - Subm list of apprs used as exhibits. 10/6 W.
521199	10/1	Original see 512811 8/6	Status of patent applic tions of Fed. Tele. Co. W

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N.S.E. Form 134.

PATENTS INFRINGEMENTS OF

Number.	Date.	From or To—	Subject.
521865	10/8 Sheffield & Betts- Rqst HH Davis of NY Yard be allowed to testify. W 11/26 To Sheffield & Bettis Gives action To M NY Gives instrns cellNY 21-29	G. H. Clark To N.Y. 10/12 N.Y.: fwds drawings and vandykes: 10-27: W To E. Valli- fwds copies of print 11/5	Request definite information regarding certain apprs which was at Sayville in conn with litigation rel to spark wave changer patent. W.
523787	10/16	N.Y. To N.Y. 11/5	Lists material used in suit, Dubilier vs Wireless Specialty Co, delivered to Radio Labr?, New York. W.
524170	10/19	G H. Clark	Request N.Y. be directed to permit withdrawals of portions of litigations exhibits stored at that Yard. W.
525604	10-26	Wireless Spec Co	Request return copies of depositions in Dubilier Condenser suits; W
526071	10/30	To R. Hoguet	Suggests conference with Bureau in re to employment in patent cases. W
525439	10/30	To Secty	Final papers in settlement of suit Dubilier Cond Co vs Wireless Spec Co. Fwds papers in conn with W. To Secty- 2-18-21

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[OVER.]

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PATENTS: INFRINGEMENTS OF: 1920

Number.	Date.	From or To—	Subject.	
506936	7-22	Ramsey Hoquet (T)	Reqst orders for W.G. Wheeler employee at Boston yard to test Wireless Spec & Dub Cons condensers. W To Boston. Auth Comdt make shipt of matrl 7/23 To RH 7/24 7/26 acknowledges.	635e4
507707	7-27	Fwded Secty Sol	Radio telegraph recs auth for taking depositions of officer and civilian witnesses in the Navy Dept. W	
507707	7-24	Dept Justice	Confirms telephone conversation summoning men in case of Dubilier Co & Wireless Specialty Co; W	
508237	7/1	Vreeland Apprs. Co.	Copy of bill covering assignments of patents to Bureau. W. To 8-2	
8 507312	7/28	Emery, Varn. Blair? Hoquet	Request W. C. Wheeler be authorized to test condensers to the total destruction if so desired. W. To R. Hoquet- 8-2	
509632	?	?	Affadavit of Cdr. Hooper in conn with patents of E. C. Hanson. W.	
510760	8/6	G. H. Clark (T)	Cannot attend meeting Inter-Departmental board, 8/11, on account of testimony in Dubilier suit. W.	

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PATENTS INFRINGEMENTS OF.

Number.	Date.	From or To—	Subject.	
510943	8/4 8/7	Dept of Justice Dept	Request inform for use in case of Willoughby and Lowell vs Rogers. W. fwd Sec 8/13	
512192	8/16	Solicitor	Fwds copy of petition in Court of Claims of Natl. Elec. Signaling Co. vs U.S.-Dept of Justice request inform in conn with. W. fwd Comm 8/21	
515462	9/2	Emery Varney and Blair Hoguet	Fwds correspondence on tentative settlement, Dubilier vs Wireless Specialty suit. W. To Ramsey Hogu et Est NY Suggest agreement after is drafted be executed by dubilier cond co and wireless specialty app Co before being fwd to Dept 9-7	
519489	9/23	Interdepartmental Radio Bd.	Subm change report rel to claims of various Co's against Govt. for use of various patents of radio apprs during war. W.	
519546	9-28	To G.H.Clark Radio Corpn (T) NY	yard authorized by wire store exhibits To NY(T) rel above 9-28 G. H. Clark- (T)- Hogut desires to retain Govt exhibits for further possible use; suggest storage at NY. Yard. 9/27 W. To R Hoguet NYC Quotes from despatch sent to NY 9/28-- 9-29 To G H Clark Quotes from despatch sent to NY 9/29 W. 9-29	W

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[OVER.]

PATENTS INFRINGEMENTS

Number.	Date.	From or To—	Subject.	
494005	5/10	Roberts & Skeel	Fwds copy of decision in case of Marconi against Kilbourne & Clark.	W.
494308	5/13	Fed. Tele. Co.	Patent of G.M.J.Mackay, assignor to G.E Co. is a direct infringement on Polsen arc patent. To Fed. patent not considered seriously	W 6-15
495065	5/25	Dept	Request Lt.Comdr. Loftin prepare a statement of test witnessed by Board in conn with claim under Vreeland patents To Patents Bd. statement has been fwded	W. 5-27
498293	6/7	Wireless Spec. Appr. Co.	Request Boston Yard be authorized to ship condensers in conn with Dubilier suit. To Philip Farnsworth instructions have been issued to Boston yard- cannot change	W. 6-12
499943	6/16	Wireless Spec.Co. To NY radio aides J.F. Feller and Harry S Lang will be required 6/24 cc R.H and DRMO NY Wireless Spec.Co.-Rqst copy of navy order rel to fixtures at Navy radio stations. 6/24 W Emery Varney Blair and Hoguet-6/24 W To Philip Farnsworth- fwds copy of order 6-28	Have finally succeeded in getting Dubilier Condenser case set for trial. W To R.Hougetr- advise list of witnessess required 6/23 To P Farnsworth- acknow 6/22 To P Farnsworth- fwds info 6/23 Wireless Spec.Co. 6/21 (2 letters) 6/22 W To Philip Farnsworth. Capt Hepburn will be in NY on Thursday 6-24 cc R.Hoguett To R.Hoguett- rel trial of Dub vs Wireless 6-24 To OHIO Reqst orders for Lt Meneratti to proceed to NY 6-24 To Washn. reqsg orders for LLt Eaton 6-24	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
500020	6/7	Emery, Varney, Blair & Hoguet	Fwds copy of letter from P. Farnsworth asking if Govt witnessess can be furn in Dubilier suit. W	
202522	FROM CARD 17		Knight Bros. -Fwds copies of evidence.	11/6/16 W
501974	6-29	To Philip Farnsworth	Fwds copy of letter from Mr. Chas Dushkind dated 2/25/19 with copy of Dept action Wireless Spec. Appr Co. 7/6 W. Wireless Spec. App. Co. 7/14 W.	W
504250	7/8	Wireless Spec. Appr. Co.	Detailed comments rel to recent patent granted to Wm. Dubilier. W.	
505591	7/15	Emery, Varney, Blair, Hoguet	Ask if anybody connected with Navy could testify as to actual standing of Wm. Dubileir in radio art. W.	
05688	7/16	Dept	Under water wireless presented by P.E. Stogoff through W.O. Wiran fwds full corres in connection with h.W	875

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[OVER.]

PATENTS INFRINGEMENTS 1920

Number.	Date.	From or To—	Subject.	
481812	FROM 28		To Philip Farnsworth- Fwds specfns 4/27 Ports 4/28 W. Wireless Spec.Appr.Co. 5/3 W To Philip Farnsworth- condensers wrere not in use in British navy prior to dates 5/11 Wireless Spec.Appr.Co. 5/12 W. To Comdt Boston. rel delivery to Wireless Spec Co 6-7 copy DRMO Boston To Philip Farnsworth- copy DRMO Bost n and Wireless Spec Co. rel phone conversation delivery of condenser 6-7 Wireless Spec. Appr.Co. 6/8 W. Fwd Bost n 6-12 copy DRMO Boston RB 6/17 W To Phillip Farnsworth- Boston has been reqstd tp make shipt to NY- 6-12	
485961	FROM 29		To Comdt Boston- reqst W.G. Wheeler be instructed testify 4-29 To Sheffield & Betts- Ports instructed auth leave of radio air Martin visit N.Y. yard in re to testimony 4/30 To Comdt N.Y. reqst Radio Aird Martin be permitted vist yard 4/30 To Ports (T) auth leave in re to patent interference 4/29 To Im Ports. confirms despatch of 4/30 4/30	
494006	5-17	To Wagner Elec Co	Asks information in re to Mr. Fynn- in patent for lighting arrestor, which now before Bd, desires interpretation of scope of the showing of his patent. W Wagner Elec. Co. 5/19 W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
491215	5/1	Radio Corpn of America	Fwds bill covering amount paid to G.H. Clark as salary while he was engaged on Govt. business in conn with Dubilier Cond. Co. vs Wireless Specialty Co. To Radio Corpn of America- Suggest submit bill to Wireless Spec.Co. 5/5 Radio Corp of America - 5/6 - W	W.
491945	5/3	Shipping Board	Fwds copy of letter from Internatl Mercantile Co. asking if they will be protected by shipping Board from suit for infringement of radio patent in conn with Shipping Board for use on their vessels DEFENDER and CHAMPION. To Internatl Mercantile Marine Co. advises claims are beingsettled by Inter Bd. 5/11 copy S.B. Solicitor	W
493058	5/10 To Bur Stds. rel testimony of Dr Austin 5/19	Frk. L. Dyer	Asks information in regard to interference case of Lee & Hagan vs Vreeland. To F.L.Dyer- action will be taken 5/12 fwd Sol 5/13 RB 5/18 W. F. L. Dier, 5/13 W To Frank L.Dyer- auth Dr Austin to testify for Vreeland in patent interference of Lee & Hogan vs Vreeland 5/19	W.
493852	5/12	War Dept	Fwds letter from Purchasing Agent, NY in conn with indemnity clause rqsted by Radio Corpn of America. To Bur Insular Affairs. War Dept- sees no objections - 5/21	W.
494005	5-17	To Roberts & Skeel	Acknow recpt of copy of opinion of Court of Appeals in case of Marconi vs R.& C.	W

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[OVER.]

PATENTS INFRINGEMENTS 1920

Number.	Date.	From or To—	Subject.	
483291	3/23	C. H. Kesler	Dubelier Condenser Co. vs Wireless Spec. Appr. Co.- request special reports be furnished. To Comdt Phila 3/26 To Philip Farnsworth 3/27 Wireless Spec.Appr.Co.-3/30	W.
483459	3/19 3/23	Dept. Of Justice Solicitor	Willoughby abd Lowell vs Rodgers- rqst J. F. Mothershead be allowed to visit New London Sub Base to inspect and photograph records, apparatus, etc. fwd Sol 3/27	W.
484177	3/26	Dubilier Cond.Co.	Request copy of N.Y. Yd. letter to Bur of 6/23 in conn with test of Dubilier condensers to be used in patent suit pending, against Wireless Spec.Appr. Co. To Dubl Co 4/1	W.
481568	FROM CARD 28		Wireless Spec.Appr.Co. 3/30	W.

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Number.	Date.	From or To—	Subject.	
485961	4/1 4/5	Radio Corpn of America Solicitor	Patent suit of Hill and Clark against Lowenstein Co. on waive changers; request Bureau employees give evidence in court showing Hill and Clark were prior inventors. W.	
SEE 30	Dept- Subm addtl list of witnesses 4/26 W.		Fwd Sol 4-8 (recommends persons be auth give depositions in case) RB 4/21. W	
	To Ports- 4-29	rel J. Martin testimony	To Comdt Washn- rel testimony of Mr Davis 4-22	
	To Sheffield & Betts- auth navy personnel testify 4/29		To Comdt Ny- rel testimony of A.H. Neal 4-29 To Great Lakes- rel testimony Gunner Shoenberg 4/29	
394294	4-7	Fwd S&A	Patent infringement, Bd Survey, 3rd Dist fwds inquiry from Navy Surplus supply Store Fleet Base concerning liability for infringement or purchasers of radio material W	787-8
487758	4/12	American T/T Co.	Request Company be advised upon declaration of interference envolving any patents belonging to Atlantic Communication Co. under which American T/T/Co. took license thru alien property custodian. W.	
			To American Co. if prepare power desired, will execute same 4-19	
			American T/T/Co.- Fwds power to inspect and obtain copies of applications for patents. 4/20 W	
			To American Co- rel patents 4/24 To American T/T/Co.- Returns executed powers to inspect file, in conn with patents. 5/4	
489890	4/9 4/23	Sheffield & Betts Dept	Request Cdr. S. C. Hooper & J. H. Welsh and H. F. Thompson be authorized to give testimony in conn with Hill & Clark, vs Lowenstein. W.	
	To Sheffield & Betts-Authorizes individuals named to testify.4/28		To N.Y.- Names witnesses to take stand in conn with L 4/28 W.	
486891	4/20 4/24	Dept of Justice Dept	Willoughby & Lowell vs Rogers- request authority to take deposition of J. M. Miller, expert radio aid. W.	
			To Nav. Radio Labr.-Bur Stand.- Authorizes Dr. Miller to testify ; request be so instructed.4/28	
			To Hon Frank Davis. Dept Justice. auth J.M. Miller to testify 4-28	
			Bud Stand Labr-6/14 W	

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[OVER.]

PATENTS INFRINGEMENTS 1920

Number.	Date.	From or To—	Subject.	
478863	2/25 3/1	Dept. of Justice Solicitor	Request photographic prints of G-3 with its loop antenna, in conn with suit Willoughby and Lowell vs Rodgers. fwd N.London 3/2 RB 3/8 To Dept Justice 3/11 fwds copies of photographs	W.
479024	3/1	Dubelier Condenser Co	Request information as to date official recommendation was made from NY Yard cov satisf test of Dubelier Condenser; also date on which report was fwded to Bureau covering test of mica condensers in conn with mica condenser patent suit, now pending. To NY (m) 3/5 To Dubilier Condenser Co. NY has been r eqst supply copies of reports 3/5 N.Y. 3/12	W.
479023	3/1	Dubelier Cond.Co.	Request prints of drawings listed be furnished in conn with Dubelier patent suit against Wireles Spec Appr. Co. To Dubilier Condenser Co 3/6	W.
480596	3/4 3/8 To Expr Sta 3/15	Dept. of Justice Dept.	Request authority to inspect documentary evidence relating to signalling devices which may be on file at Annapolis, Md. 1 797 - 875 - 907 To- Experimental station directed to permit inspection of records by Dept Justice Represen tative. 3-12	W.
480736	3/9	Wireless Spec.Appr.Co.	Request copy of Company's letter, written by G. W. Pickard to Fr. L. W. Austin 3/12/17. To Philip Farnsworth. address of Dr Austin 3/15	W.

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896-1 PATENTS: INFRINGEMENTS

Number.	Date.	From or To—	Subject.	
481569	3-12	Wireless Specialty Apparatus Co	Ask if British navy were using metal casing condensers around 1915-16 in conn with suit against William Dublier: W	
	European Forces - fwds letter from British Admiralty and chart of a condenser - 4/20 - W		To Philip Farnsworth. Are reqst info from British Admiralty 3/16 To European Forces (T) 3/16	
481568	3-12	Wireless Specialty Apparatus Co	Request info as to what dats Guy Hill was absent from N.Y. yard fall of 1914 and 1915 in conn with patent suit against William Dublier: W	
	To P. Farnsworth 3/18		To Philip Farnsworth- cannot give such info unless work of considerable importance 3/17	
TO CARD 29	C. H. Kesler 3/23 C. H. Kesler- Ask if Guyhill took trip with Atlantic Fleet, 1915, 3/23	To P Farnsworth 3/29		
481812	3/5	Wireless Specialty Apparatus Co	Reqst all reports from 1/1/15 to date be furnished, relative to transmitting condensers - W	
30	3/13	Bost	fwd Cdt Boston 3/18	
	To Ports- (T) deliver to rep of Wireless Co condenser 4-16		To Comdt Ports- Confirms despatch 4-16 To P. Farnsworth- reqst Ports deliver condenser 4-16	
	Wireless Spec. Appr. Co.-4/19 W.			
	To Ports (T) delive to rep of Wireless Co condenser 4-16			
482107	3-12 3-18	Dept of Justice Dept	Submarine radio loops; request correspondence and job orders covering installation of old submarine;	907
482290	3/18	Radio Corp. of America	Reqst authority to issue aerial drawings of Guy Hill on wave changes, in connection with Lowenstein Co - W	
			To Cdt N.Y. 3/19 copy War Dept and RMO Brook To War Dept 3/19 War Dept (Guy Hill) interference of G. H. Clark & Guy Hill in F. Lowenstein application for patent on wave changers; reqst certain information - 3/18 To Radio Corpn. 3/20 Radio Corpn of America 3/22 NY - list drawings furnished Guy Hill-4/12 Sheffield & Betts- Rqst auth to examine A.N. Troyner as at witness. 12/7 W To--Gives Action cc A M Trogner 12/9	

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[OVER.]

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1920

Number.	Date.	From or To—	Subject.	
466760	12/31	Edwards, Sager & Bowen	Request assistance of Dr. Miller for consultation in conn with suit of the Flemming valve patent. W. To C.V. Edewards- Dr. Miller being recommended to assist in cross examination of Mr. Waterman in conn with suit of Flemming valve patent. 1/3	
470499	1-21	To Ramsey Hoguet	Mr. Geo. Clark will confer with you in re withdrawing part of his testimony in the Marconi vs. DeForest suit. W Emery Varney Blair and Hoguet- Protests against action of GeoL H. Clark as witness.	1/16 W
471862	1/21	Sheffield & Betts	Reqst copies of prints issued by G. H. Clark in his testimony in connection with suit of Marconi Co against DeForest Co - W To- making recommendations to Dept. 1/26 fwd Sectty via Sol 1/28; RB 2-2; To G.H. Clark- auth to appear as witness 2/4 To Sheffield & Betts- rel above 2/4	
472				
474630	2/7	Interdepartment Radio Board	Request accounting instructions. fwd Secty 2/7	W.

Boards, Misc

PATENTS: INFRINGEMENTS: RADIO

Number.	Date.	From or To—	Subject.
456538	11;6	Wireless Spec App Co	Calls attention to fact that articles on requisitions 469 are patented articles and Government is liable to damage in securing bids from other firms. W
464064	L.12/10	L, F. H. Betts (Sheffield & Betts)	Marconi Co. vs Simon Co.- suggests further postponement of trial. W. To- 12-19
464624	12-16 To- Yard being reqted to search its records for any information which you may desire. copy to radio material Officer NY. 12-22 Radio Corpn of American 1/2 To Dept via Solicitor. Fwds draft of letter of authority. 1-12 RB 1/20. Radio Corpn of Amer-1;8 To Cdt NY 2/3 To Lt Comdr U/ W, Conway 2/2 To Annapolis via Naval Acad- radio telegraph patent litigation- Mr. Kesler of Wireless Spec Apr Co will confer with on March 1st 2/27 To Radio Corn (T) 8-2 To Radio Corn. 8-2 G/ H. Clark- (T) Copy of letter rqsted. authorizing appearance of witness in Dubilier Suit. 8/1 W	Prindle & Wright & Small: Request auth to search log book of tests at N.Y. Yard covering Dublier condensers in conn with suit Dublier Condenser Co. vs. Wireless Specialty Apparatus Co; W Dept Justice; Request Y.H. Clark be authorized to appear as technical witness for defendant Dublier Co vs Wireless Spec Co; 12-17; To American Radio Corpn. Reqts arrange for Mr. G.H. Clark appear as witnes for defendant in Dubilier vs. Wireless Specialty Apparatus Co. 12-22 To I.M. Ny- Reqts fwd drawings listed to to Aide Geo.H.Clark. 12-23 To Attorney General- 12-24 joint. To G.H. Clark. Auth to appear as technical witness. 12-22 To Solicitor. 12-31 To Wireless Specialty Apparatus Co- 1-6 To Comdt Wash. 1-6 To Radio Corpn. 1-7 To Chas. H. Kesler- 1-9 Wireless Spec. Appr Co. 1/10 To OHIO via Phila yd- Lt. Meneratti to be permitted to make deposition. copy to CO OHIO. 1-16

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PATENTS: INFRINGEMENTS: RADIO

Number.	Date.	From or To—	Subject.	
434530	7;22	Sol	Fwds copy of letter to Dept of Justice reqst assistance in suit pending in 7th Dist of NY by Dublier Cond Co against Wireless Spec Co.. fwd Sol, 8/2	
435235	None	None	Record of proceedings in district court of New York, Marconi Co, DeForest Co.	W
435308	7;23	Major R H Young	Copy of letter to Marconi Co in con with suit borught by Western Elec Co against International R T Co. W	
440044	8;16	P Farrensworth Tel	Plaintif willing to set case on favorable terms, reqst Bu action. W To Wireless Spec Co Tel, 8/18	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
440514	8;15	Dept	Fwds letter from Attorney Genl in con with suit of John Firth coy infringement of patent for improvement of wave meter. W To Sec-Fwd- 8;22	
447808	9;24	Norf	Portable radio set turned in at yard from La. in con with patent litigation. W	
451515	10;14	Sol	Fwds copy of petition filed in Court of Claims by Wireless Spec Co against U. S. To Sol- Fwd. 10;22	W
453473	10;21	Anacostia	Interference of patent appliance on system of reg radio under gr sig, fwds correspondence. and certificate.	
455382	10/24	American T/T Co.	Patent suits pending - request copy of Meissner's preliminary statement and application papers. W.	

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[OVER.]

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N.S.E. Form 134.

PATENTS: INFRINGEMENTS: RADIO:

Number.	Date.	From or To—	Subject.	
409262	4;1	R A Fesenden	Fwds copy of letter from War Dept req information in connection with patent or control.	W
411662	4;14	American T T Co	Fwds copy of expense for Arnold Langmuir interference between General Elec Co and American T T Co relative to vacuum tubes.	W
411698	4;17	W N Fanning (Cordovia)	Claims to have used at Laf Station circuits disclosed in Weagents Static Eliminator. To- placed on file 4-19	W
412793	4;3	Dept of Justice	Fwds petition Deforest T&T Co against United States. TO SEC-Fwd. 4;25	W
414545	4;16	Fred G Simpson	Personal-Recs Bu com with T B Kemraid in con with patent litigation involving spark gap.	W

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Number.	Date.	From or To—	Subject.	
418798	5;14	West Elec Co	Have been subpoenaed for infringement of patent owned by International R T Co. To Secretary- calls atten to desire of H C Workman of Dept Justice for info concerning suits 5-23	W
418833	5;13	Darby & Darby	De Forest, Meissner, Armstrong, Longmuir infringement 41,224 re make arrangements to procure testimony. To- asks supply missing copies 5-16 To Messrs Pennie D vis Marvin & Edmonds, asks info re above 5-16 To GE Co- asks expression of opinion 5-16 GE Co 5;19	W
Pennie-Davis-Marvin & Edmonds-Will pay 1/2 exp for bringing Van Etten east. 5;27				
419080	5;16	K&C CO	Believe that Marconi Co should have no objection to joint motion in court, also that Achilles issue should be entirely sep from Company's commission issue. To K& C Co- advises been taken up with Marcon Co 5-21	W
423766			Copy of conference between I Langmuir of G E Co and H D Arnold of West Elec Co cov elec discharge app.	W
428286	6;19 6;24	Pennie Davis Marvin & Edmunds Com	Law suit aginst Atl Com Co to be prosecuted by Natl Elec Sig Co, also Marconi Co for infringement of certain patents, asks if Lt. Smith can appear as witness. fwd Navgn 6/27	A
429942	7/3	To NY	Bureau of SE collecting evidence in conn with patent suit covering mica condensers, reqst cooperate W.	882-1

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N.S.E. Form 134.

PATENTS: INFRINGEMENT: RADIO 1919 24

Number.	Date.	From or To—	Subject.	
385472	1/14	Com Hooper	Memo of estab of patent sectiom of radio div Com Lftin not chged Gives djties of W Darby & Darby-Req fwd written instruc.	2;19
390206	1;18	P Faresworth	Fwds record of testimony of various law suits cov infringements of patents.	W
391449	1;31	Darby & Darby	Marconi Deforest Litigation, asks if can give information concerning gov contracts. To Solicitor. Fwds letters as additional information concerning the order of the referee in the case of Marconi-DeForest.	W 2-7-19
391879	2;4	Darby & Darby	Fwds copy of order signed by Judge Holt ordering Deforest Co in Marconie proceedings to give various information which Lt Laftis advises bureau does not desire to be given.	W
399683	3-4	War Dept	Fwds copies of ltrs from Liberty Electric Corp in conn w infringement of patents matrl on contracts 40724 - W	
407811	4;1	SOL	Fwds let from Dept of Justice enc list of app alleged to be used by Gov in con with suit of Marconi Co against US.	W

[OVER.]

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1919

Number.	Date.	From or To—	Subject.	
399449	3-3	Department	Fwds ltr from W H Pumphrey asking if transmitting sets purchased from E J Simon were installed on submarines and other light craft - W fwd Secty 3-6	
400382	3;5	War Dept	Fwds copy of let from Moorhead Lab stating do not own or control patents, patents which have been adjucated and do not sup app to Gov under Flemming cont by Marconi Co.	W
401317	3;6	Ship Brd	Sub report of minutes of meet of Brd held in Dept of Justice 6th in con with suit of Genl Tramm Co to cov royalities. SOL-Fwds copy of let from Attorney Gen in con with. 3;17	W
357102 see card 23	4-1	To S&A	Fwds certified bill of Emery Booth, Janney & Varney, making total of $3,500 rec for payment to date To S&A- fwds invoice rec payment 5-28	

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Number.	Date.	From or To—	Subject.
327736	7;15	International Radio Tel	Fwds copy of opinion of District Court of New York in case filed by them against Atl. Communicating Co for infringement of Leterodyne & waive points. C Emory Booth J & Varney Co 7;23 To—— Ack. rect. of let. of 7/16. 7/26
327684	7/26	To Secy. of War	Joins in conference to consider royalties to be paid wireless tel. Cos. for use of patents during the War. C To War Dept-Substitute Co S E Hooper for Co G W Castle. L 9;10
324743	7/31	To Alien Property Custodian.	Encl. copies of letters re litigation. W
334575	8/10	To Ramsey Goguet	States amt. of trans.sets purchased since 7/1/17. W
335880	8/12	To Aircraft Production	Com. Castle agrees on date for conference. L
7 358102 3;20 358	10/7	(SEE CARD 24) & Emery? Booth & Janney Barney Emorny, Booth etc. Fwds inv for $3,500 for services. Fwd Secy Navy- 2/11 RB 325 author paymt. To Emery, Booth Janney & Varney Requ new inv	To- re payment 3-6 Requires payment $2500 for services in connection with Atl. Communicating Co. Fwd S&A 3-7 Fwd Dept 10-29 To Dept 12;29 received back 1;17
39850	1/11	To G. E. Co	In connection with inserting clause in contract covering protection against infringement of patents on contract. W. 629

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N. S. E. Form 134.

PATENTS: INFRINGEMENTS: RADIO

Number	Date.	From or To—	Subject.	
368844	None	Alien Custodian	Ex of E J Simon in connection with suit against Government covering infringement on seibt patent by General Transm Co and the Am Com Co on infor furnished by Simon.	
376908	12;10	Wireless Spec Co	Suit entered by Dublier Cond Co cov infringement on patent on mica condenser, req bureua's view on defending suit. Cross to 882-1 W	
			Wireless Spec Apparatus Co-Req orders. W To----- No further purchase of transmitting con densers-schedules issued for standard spark transmitters 1-7	
377070	12-14	To Dept via S&A	**Wireless Spec Apparatus Co- 1:9** Asks authority to insert patent clause as listed -re supplying radio equipmt to Ship Bd	W
			S&A- Copy of let to Dept conferin with bureau. 12;17	
381724	12;30	Wireless Spec Co	Req appointment of consulting engr in con with securing recognition of some of their patents. W	

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[OVER.]

PATENTS; INFRINGEMENTS; RADIO.

Number.	Date.	From or To—	Subject.	
267158	12/14	To Marconi Co	Reqtpostponement of of patent suit against Govt until after War, as all Govt radio experts cannot be excused from present work. W	
		Cheffield Bretts-recommends proceedings be stayed.no date	To W.J.Pumphrey--Ask whether GE Co can go ahead and manuf Alexanderson High Frequency Alternator pedning settlement of patent suit.12/14	
		To Hon John Rellstab-(Sec)In re R A Weagrat and F H Waterman--4-25	Marconi Co submits comments relative to postponing suit of Marconi Co versus US until after the war; reports on status of 12-24	
		To Hon Rellstab - ditto 4-24	To W.H.Pumphrey--Directs investigate suit brought by Nat'l Elec Sig Co against Marconi Co.12/26	
			To W.H.Pumphrey--Ditto for suit by NY Patents Exploition Co against Mallory S.S.Co.12/26	
			To Sol--Fwds copy of Marconi letter and reqt information in connection with.12/29	
			To Marconi C o--12/29	
			Louis Cohen gives assurance that any information secured by him in connection with examining Fed Co's plans will be held in strict confidence 1-15	
			Dept copy of letter to Sheffield & Betts, recommending proceedings be put off for duration of war 1-18	
34429	2-20		International Signal Company claim $2,150,000 on account of patent litigation and developement, to be prorated among radio compasses on contract #34429 and any future contracts.	629
287705	3/8	To Dept	Decision of Supreme Court in case of Cramps Co vs Inter'l Curtiss Marine Turbine Co. Reqt take action so that contrs can make deliveries without incurring any risk of jail to themselves, or risk of contempt of Court.	
		Solicitor-Fwds copy of letter to DeForest Co, directing them to proceed with work on contract, guaranteeing to protect against patent suits.W 4-12		
294680	3/6	Internatl Sig Co	Fwds copy of opinion of Court of Appeals in connection with suit Prof Fessenden and Natl Elec Sig Co.W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
33260	4/9	Wireless Improvement Co	Copy of letter to S&A - fwds copy of letter from Secretary of Navy agreeing to assume all responsibility for patent infringements W 629
299283	4/12	Solicitor	Copy of letter to DeForest Co directing proceed with fulfillments of contract with Navy Dept and guaranteeing ~~product~~ protect infringement claims. W To Solicitor-Fwds letter from Sheffield and Betts--5-10
300945	4-27	To Marconi Co	Believed to be in interest of Gov. to stop litigation against E J Simon and Kilbourne & Clark--4-27 W Marconi Co - W 4-30 Sheffield & Betts - No Government experts will be required at hearing this month - ask why hearing should be postponed. W 5/3
317241	6/13	S N Kintner	Memo elft with Capt Todd in conn w patent suit Internatl R T Co vs Marconi Co-ask why Govt wishes to squash suit. W To Commdr. Considers dersiable that suit for patent be halted at present. W 6/21
324743	7/11	To F.W.Winter	Reqts. legal proceedings be stayed until after the end of the War. To D.S.Edmonds. Same as above. 7/11

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[OVER.]

N.S.E. Form 134.

PATENTS: INFRINGEMENTS: RADIO. 896 -- 1

Number.	Date.	From or To—	Subject.
251258	3/11/14	Richard Pfund (Personal)	Fwds exhibits, copies of correspondence, etc, in connection with Atlantic Communication Co's suit, secret agreement with Marconi Co, etc.W
252659	1 0/2	E. J. Simon	Aeroplane radio sets; suit between Marconi and Simon; recommends against disposing sample specifications, etc, of set recently standardized by Dept.W
255344	10/17	NY Patent Exploitation Corp	Seibt patent; request reasonable license fee be allowed for patent covering quenched spark gap system.W
261195	11/16	To New Lond	Ask if services of Mr. H. H. Lyons can be spared for three weeks for trip to Wash in connection with patent suit covering underground receiving scheme. W New London 11/23 To Dept--Reqt H.H.Lyons be ordered to report to Bu for temporary duty.11/27 Henry H Lyon 12-1 Fwd S&A--12/19 To H.F.Lyon--Returns bill for correction.1/24 Fwd S&A--1/30
267003	none	~~267003~~ Marconi Co	Fwds copy of Judge Mayers decision in the case of the Natl Elec Sig Co vs Atl Comm Co.W

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PATENTS: INFRINGEMENTS: RADIO.

Number.	Date.	From or To—	Subject.
229544	5-19	Walter Pumphry	Fwds copy of decision of lower court on Audion Case; National Elec. Sig. Co vs Atl. Commu. Co. W
237907	7-7	Solicitor	Fwds copy of contract intering into with Walter H. Pumphrey for service and consulting Engineer in radio telegraphy.W
249310	9-14	De Forest Co copy	of letter to J Mayer rel to including Govt as well as commercial sales in accounting procedes ~~to~~.W To—Fwds copy of letter.9/18
249187	9/14	To Hon H. M. Mayer	Submits statement in connection with litigation now pending between Marconi Co and De Forest Co. Standard equipment ordered by name and not by specns or plans. W
249570	9/17	To Atl Com Co	Marconi Co reqt permission to borrow some Von Lieben-Reisz tubes from Sayville. Reqt company opinion in connection with. W Co 9/18 To Marconi Co—Atl Com Co willing to loan one tube only.9/19 To Marconi Co—9/21 To NY—Directs shipt to Sayvile one Vnn Lieben Reiss Tube. 10/3 ~~To Dept via Nav Com—Appvs rec of Chief Signal Officer of the Army. 10/3~~ ~~RS 10/9~~ Sayville 10/11

1917

PATENTS: INFRINGEMENTS: RADIO.

Number.	Date.	From or To—	Subject.
215992	2/26	Knight Bros T	Request Clark for Wednesday; also certain papers; Dr. Austin needed March 1st.W Knight Bros (T) Austin not needed; cannot wait 3-1 Knight Bros (T) R eqt Austin report 2nd 3-1 To W.H.Pumphrey--(T) Clark will arrive Thursday. Austin as soon as reports.2/27 To Dept--Reqt travel orders G.H.Clark to NY. 2/28 To Sol--Acknowledges receipt of file. 3/6
216423	3-1	Knight Bros	Heterdyne suit; fwds opening statement.W
216626	3/3	To Dept 615-4	Travel order reqt for Dr. L.W. Austin to NY for consultation with Knight Bros. L
217890	3-13	Pumphrey, WH	Will proceed Washn for conference with Austin in connection Marconi suit.W.
219007	3-21	Pumphrey, WH	Proceeding Washn for conference with Austin on Marconi Suit.W.
220487	3-26	Seward, RF	Request data on Lowenstein tubular spark gap in connection patent suit. W
223227	4/9		

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;PATENTS: INFRINGEMENTS: RADIO. 896-1

Number.	Date.	From or To—	Subject.
220703	4-2	Pumphrey, WH	Leaving for Washn Apr 3 for conference Marconi suit. W
221488	4/7	To Sol	Rec all litigation in connection with radio patents be suspended during war. W
223227	4/9	Atlantic Commu. Co	Heterodyne suit decided against Company offers substitute. U To--Reqt have engineer visit Bureau 4/20 Co request Dr Austin be sent to investigate 4/24 To--Mr. Austin will call May 1st. 4/27
225825	5/1	Atlantic Communication Co.	States will visit Bureau May 8th W To--Satis.5/3
226802	5/5	Atl Communication Co.	Fwds description of new method of tone reception of undamped oscillations by means of an electron relay W Atl Com Co suggests communicating direct with Dr. Austin 5/16 Atl Com Co 6/6 To--Directs carry on corres direct with Bu. 5/21 To--Submits report of tests of Prof Zennecks method of reception of undamped signals. 5/26
226903	4-30	DE Forest Co	Reqt Bu's assistance in remitting jail sentence of Elmer Myers in connection with Marconi Co using audion patents in view of injunction against them. Samuel E. Darby request letter be written stating that government orders are imperative .W Governor of NY has already honored papers for return of Elmer Myers to New Jersey 5/9 Dept copy of letter to public prosecutor New Jersey, requesting him to release Mr. E. B. Myer 5/15 To Chasn S. Sexton, Public Prosecutor Monmouth Cy. N.J.--(Sec Sig) Reqt Myers be released due to urgent need on Govt Work.5/15

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[OVER.]

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PATENTS: INFRINGEMENTS: RADIO. 896-1

Number.	Date.	From or To—	Subject.
213003	1-30	Pumphrey, WH	National Elec Sig Co. vs Atlantic Com Co. Fwds copy of depositions of JS Stone, and JL Hogan.W.
213016	1-30	Pumphrey, WH	Marconi Co vs. Kilbourne & Clarke; copy of decision.W.
214123	2-7	Pumphrey, WH	Marconi suit against the Govt; necessary to spend some time with Dr Austin and Mr Holster; in preparing Govt defense. W
214124	2-7	Pumphrey, WH	Heterdyne hearing postponed to Feb 26.W To San Diego--Directs return to Bu by March 1st. 2/13 (Dr. L.W. Austin) Bost will be in Washington March 1st 2/21
214279	2-9	Pumphrey, WH	Fwds testimony J.L. Hogan, and J. Zennick, heterdyne suit. W
215496	2-21	Knight Bros R	Court of Appeals decided high group frequency case in favor Atlantic Com Co.W.
215497	2-21	Knight Bros T	Request Clark with all records Heterdyne case in NY Feby 24. W To Dept--Reqt orders for G.H.Clark to NY. 2/23
215577	2-21	Knight Bros	Fwds copy of decisionNat Elec Sig Co. vs Atlantic Com Co on appeal.W To ack 2/24

NB—0120

[OVER.]

PATEN S: INFRINGEMENTS: RADI O

Number.	Date.	From or To—	Subject.
		1916	
209591	12-22	Pumphrey, WH	Marconi vs. US; recommends conference w tj Mr. Wodkman, Dept Justice. W To--Will confer with. 12/28
209770	12-5	Pumphrey, WH	Fwdw list of past and pending patent suits.W
210909	1-8	Pumphrey, WH	Marconi has secured injunction Flemming valve patent; holding up all DeForest audion manufactures in force axcept for Govt.W
		1917	
211162	1-5	Pumphrey, W.H.	Every prospect of peacable settlement between Marconi and Nat Elec and At Com Co. Also intend to sellSayville station to Govt after war.W
211514	1-13	Lowenstein, F To NY--Auth laon of. 1/25 To--Gives action. 1/25 NY gap delivered to Lowenstein Feb 5 2/8	Request spark gap furnished in 1912 and now on WYOMING be placed at his disposal in connection with National Elec Sig Co. suit.W To--Gives action taken. 1/17 Fwd WYOMING--1/17 RB 3-16
211771	1-17	Pumphrey, W.H.	National ElecSig Co vs. At Com Co. Fwds copies of appeal briefs.W

1916

PATENTS: INFRINGEMENTS. RADIO

Number.	Date.	From or To—	Subject.
203443	10-24	Pumphrey, WH	Reports on progress of trials; believes Tesla testimony will gainsuit for defendants. W
203461	10-	Court, Southern NY	Perpetual injunction against Marconi Co infringing certain patents DeForest Co.W
203490	10-25	Pumphrey, W.H. T	RequestAustin testify Friday. W To--Will arrange to have Dr. Austin testify about middle of November. 10/27
203489	10-24	Lowenstein, F T	Gives numbers of contracts supplied under Tesla license.W
203502	10-24	At Com Co T	Lee and Forbes testified Oct 24; no further Navy men required. W
203849	10/25	To F.Lowenstein T	Wire all contract numbers set earlier than contract 20615 supplied with license name plate stating dates Tesla patents. W To Bost--(T)Does any name plate radio transmitter CHESTER state licensed under Nikola Telsa patents. Reat wire reply with patent numbers or dates appearing on such name plate. 10/26 Bost 10-26

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PATENTS: INFRINGEMENTS. RADIO 896 — 1

Number.	Date.	From or To—	Subject.	
203673	10/27	To Knight Bros'	Lists sets supplied to Navy Dept by F. Lowenstein, also contract numbers.	
203724	10-25	At Com Co Personal	Request earnest cooperation on Heterdyne suit.W	
204316	11-2	Pumphrey T	Heterdyne casepostponed on account of illness of Mr Knight; Austin not needed until Dec. W	
204824	11-6	Navgn	Details Chief Elecn J.MacDonald on hytergen test. W	
205116	11-8	Clark, Geo H	Returns bids Nat Elec Sig forwarded in connection with suit. W To Wash—Returns. 11/10	
205459	11/11	DeForest Co	Oxide filament tubes; revised bid giving prices, terms of payments and copy of injunction against Marconi Co	898
205804	11-17	Pumphrey T	Reqt Clark and others including Commander Todd for Monday afternoon, high frequency case. W	
206480	11-24	Pumphrey, WH	Heterdyne suit postponed until 1st Monday Feby; high spark suit hearing set for Jan 2.W	

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[OVER.]

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PATENTS: INFRINGEMENTS: RADIO

Number.	Date.	From or To—	Subject.
201632	10-9	Pumphrey, WH	Undamped wave and hyterodyne; fwds copy of letter addressed to Knight Bros to conduct corres thru him. W. To—Letter meets appvl of Bu. 10/11
201578	10/9	To Hon.Sec'y of Comm.	Reqt copies of certain letters re efforts of Prof. R.A.Fessenden, in connection with the design of head telephones for use in radio telegraphy. Commerce; no corres Bu Standards 10-21
200883			Pat Off fwds record of Stone 10-9
201995	10-11	Pumphrey, WH	Undamped wave suit; Judges rule if Tesla use of high frequency prior to May 29, 1901, is proved, plaintiff will be thrown out of court. W To—Fwds certified copy of record of Stone, filed in Patent Office Jan 12 1899, in interference #17,197, entitled Stone vs Hutin & Leblanc, for Multiple Telephony. 10/12
202522	10/16	Knight Bros	Recommends Mr. Pumphrey be present at the trial continuously. W
TO CARD 31		To—No money available for. Do so at own expense. 10/20	To Atl.Comm.Co.—Reqt daily proceedings of trial. 10/20
		At Com Co/ Knight Bros answd 10-23	
202523	10/16	Knight Bros	Lists persons who will be required in connection with suti and gives dates when needed W

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PATENTS: INFRINGEMENTS. RADIO 896 - 1

Number.	Date.	From or To—	Subject.	
202727	10/18	To W. H. Pumphrey	Fwds enclosure. Ask to ascertain if can be obtained at NY, and if not notify Knight Bros that book is not available. W To NY—If "Naval Electricians Handbook 1904" on hand fwd to Mr. Phumphrey. 10/18	
202836	10/19	W. H. Pumphrey T	At Com Co request Bureau's records be searched to determine whether National Elec Sig Co ever offered to sell any radio set, including alternator.W To—(T) Can find no trace of in records.10/20	
202970	10/19	To Bost (T)	Have J.W.Lee report to W.H.Pumphrey Oct 21 for instructions connection Knight Bros trial. W.K.	
203028	10/20	To G.H.Clark	Fwds certain papers to be used in trail but not to be out of his hands, included in Bu SE Reqn 35 36 and 37. W	
203213	10/21	Knight Br os	Gives reasons why copies of daily proceedings of trial are not forwarded to Bureau.W	
202802	10/19	To Dept	Reqt certain travel orders, radio aides, etc, to proceed to NY and act as witnesses	635-4
203288	10/23	To Phila (T)	Directs expert radio aid Forbes report W. H. Pumphrey, in patent case, at 9 AM on morning of 10/24.	

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[OVER.]

1916

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patents; infringements; radio

Number.	Date.	From or To—	Subject.
200699	9-28	Knight Bros T	Request Pumphrey interview Capts Robion and Jayne and Hepburn. W Fwd Dept-- Rec appvl. 9/30
200851	9-30	Knight Bros	Request Clark be there Tuesday Morning. W
200847	9-28	Austin, Dr LW	Reports on early fundamntal inventions radio systems; Tesla, Lodge, Braun, Marconi. W
200883	9-29	Knight Bros	Request copy of record Patent Office on Stone, Vs Huttin & Leblanc. W To Patent Office--Reqt copy above patent. 9/30
200940	10-2	Knight Bros T	Request Capt Robison and Lt.Comdr Hepburn be ordered to NY Wednesday. W
200784	9-30	To Chas. (R)	Ascertain from W.H.Medd his recollection of wave lengths used by certain stations in 1904-5-8. W Chasn fwds deposition of WH Medd10-2
200829	10/2	To Nav.	Reqt travel orders, Lieut. Hooper to NY and return.W
200830	10/2	To Dept.	Reqt travel orders for expert radio aids in connection with Marconi-Atlantic Co.Suit.W

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PATENTS: INFRINGEMENTS: RADIO. 896 — 1

Number.	Date.	From or To—	Subject.
200913	10/2	To Pt.Isabel. (T)	Gunner Bean transmit to Knight Bros. deposition to include his recollection of wave lengths used in Navys Shore Stations. To Chasn. (T)—Have Medd make disposition his recollection wave lengths used and dates. 10/2 Chief Gunner Bean submits statement 10-1
200			
201125	10-4	Knight Bros	Request Lee be sent as witness on Heterdyne. W
201209	10-5	Pumphrey, T	Reqt orders for conference on undamped wave changers Oct6 in Bureau. To—(T) Rept to Bu Oct. 6th. 10/5
201279	10-5	Knight Bros	Request services Mr.Cram, Signal Corps be procured.W To—Will arrange. 10/7 Pumphrey Cram not desired 10-13
201334	10-4	At Com Co	Request Nagy Dept endeavor to secure testimony of Mr Edison.W To—Bu is taking up and will advise. 10/9 To Mr. Edison—Ask if he will give testimony in suit. 10/10 Fwd Dept—10/10 RB 10/18
201200	10/5	To Nav	Reqt travel orders for Gunner S. E. Lee in connection with Marconi - Atlantic Co. Suit. Reqt travel orders be issued.
201197	10/5	To Knight Bros. (T)	Reqt dates Lee and Sparks are wanted.W To CO MINNESOTA—(T)Have Lee report at Knight Bros. 10/7. 10/6 To Wash—(T) Have Sparks report at Knight Bros. 10/7. 10/6

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[OVER]

PATENTS: INFRINGEMENTS: RADIO

Number.	Date.	From or To—	Subject.
197078	8-7	Knight Bros	Fwds copy of Fessenden patents involved in suit. W
197886	8-28	To Phila.	Directs E.D. Forbes forward copy of affidavit that NES Co. fwd. for his signature W Phila fwds 9/6
198573	9/5	Knight Bros	Request information re Dr. Austin's investigation of double resistances of antennae.W To--Gives information on. 9/8
198574	9/5	Knight Bros	Asks if Mr. Forbes can testify on heterodyne.W
198650	8/28 9/6	War Dept Dept	Marconi Co's suit; fwds copy of letter sent to Atty Gen; fwds copy of sample order placed with a company, which Marconi claims infringes patent.W Dept fwds copy of letter sent 9-2
198829	9-8	Knight Bros	Wave lengths used in Navy since introduction of wreless to date; request. W
199023	14 9-12	To Dept Commerce. (Secsig)	Reqt certified copy of letter written by Nikola Tesla to Light House Board on Sept. 27, 1899, for use in connection with radio litigation. W Commerce matter now being investigated. 9/20 Commerce fwds copies of corres on. 9/26
199079	9-12	To Knight Bros.	Submits bill for services performed by Hon. F.C.Warman of Bu. S.E. W

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PATENTS: INFRINGEMENTS. 896-1

Number.	Date.	From or To—	Subject.
199362	9-14	Pumphrey, WH	Atlantic Communication suits; status of; go to trial early in October; will secure copies of dispositions, briefs, etc; also Marconi-Atlantic Communication suit and Marconi-Kilbourne & Clark Co. suit. W Pumphrey is on undamped wave and not heterodyne; asks if auth to attend proceeding from day to day. 9/29 To--Not necessary to attend. 10/2
199567	9-16	Knight Bros	Request Mr Forbes be sent for conference last week Sept. W To--Have arranged to have Mr. Forbes report for conference. 9/19 To Dept--Reqt order for Forbes from Phila to NY for conference. 9/19
199505	9-16	To W.H.Pumphrey.	Fwds supply of envelopes for use in transmitting mail to Bu. W
199685	9-18	Knight Bros	Suggests interviews with Hallberg and Stein of Marconi Co. W
199768	9-18	Knight Bros	Request Bu interview A. Meyer, Signal Corps verifying Tesla statements. W To--Bu has arranged for conference. 9/25
200122	9-21	Pumphrey, WH	Believes Forbes will prove good witness as result of conference with Cohen. W
200259	9-25	To Pumphrey. (T)	Conference arranged Wednesday afternoon with Mr. Workman. W
200570	9-28 Fwd Dept--10/3	Knight Bros	Submits list of witnesses desired for Hetrodyne suit; also witnesses be furnished by Tuesday for und mped wave case. W Knight Bros necessary for Forbes to testify week Oct. 3rd. Reqt [illegible] Todd or Mr. Scanlon [illegible] have witnesses

PATENTS: INFRINGEMENTS: RADIO 1916

Number.	Date.	From or To—	Subject.
187412	4-22	Sam E Darbey	Reqt Capt Bullard make affidavit in connection with audion for suit at San Fran. W (Sent to Ord without indorsement) Supt Radio
189689	5-29 6-1	Pumphrey, WH Dept	Employment as radio expert in connection with Govt patents, infringements, etc: Solicitor rules legal to employ; Dept reqt comment. W Fwd Dept--Comments on. 6/12 RB desires additional information 6/28 Fwd S&A-- 6/30 Fwd Dept--Concurs in price $2.00 per hour. 7/26 RB 7/28
	Fwd Dept-- Appvs 7/31		
190303	5-23 6-8	Darby, SE Supt Radio	Infringement suit; Marconi vs DeForrest; reqvest Govt make certain tests. W To Darby--Reqt further information on. 6/10
191323	6-16	Ford, RA	Reqt Dr Austin be allowed to witness in behalf of Marconi, experiments in connection infringements, Marconi-Kilbourne Clark. W Fwd Dept--Impracticable to spae Austin at present time. 6/29
191372	6-21	To Atlantic Com Co.	Makes appointment for Monday. W At Com appt for June 27 6-22
192015	6-28	To Atlantic Com Co.	States that the 5-K.W. radio sets purchased from the Telefunken Co in 1912 are still in use and except for minor differences in construction, are equal of any similar apparatus of this rating now in service. W

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PATENTS; INFRINGEMENTS; RADIO. 896 -- 1

Number.	Date.	From or To—	Subject.	
194197	7/20	Atl Communication Co T	Arranged with Knight Bros to submit applications to Dr.Austin.W	
195131	7/26	Atl Com Co T	Asks when signed agreement may be expected W	
9839	7/18	Wireless Spec Co	Protests against award to Marconi Co; claims infringement of their patent	706
196172	8/10	Knight Bros	Natl Elec vs. Atl Com Co; heterodrone suit; outlines data desired in connection with.W G.H.Clark sums up testimony that can be given by various radio aides; Forbes leans toward NES Co 8/13	
196177	8/9	Dept	Copy of contract with Walter H. Pumphrey for personal services, consulting engineer and technical expert, in connection with radio telegraphy.W (Cross to his name and Bureau employees.) Pumphrey submits bill 3/1	
196266	8/10	G. H. Clark	Atl Com Co and Nat Elec Signalling Co suit; heterodyne; sums up possible available testimony and list of witnesses.W	
196524	8/4 8/14	Dept Justice Dept	Marconi Co's suit in Court of Claims for $1,000,000; request data to fight on.W To Dept--Req't travel orders be issued to W.H.Pumphrey in connection with suit. 8/16 To Justice--Submits statement. 9/7 Dept copy of letter to Justice giving statement. 9/18 To Pumphrey--(T)Report Dept as soon as possible. 8/17 To Pumphrey (T) report at Bu. Sept. 5 or 6 9-1	
196276	8/12	To NY-M Is- Phila	Asks disposition of Fessenden heterodyne receivers	898

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PATENTS: INFRINGEMENTS: RADIO: 1915

Number.	Date.	From or To—	Subject.
174603	12-23	To W.H.Pumphrey. (Secsig)	Gives information on apparatus required under schedule 8876. W
175080	12-30	Darby, S.E.	Fwds memo G.K.Woodworth on the Poulsen patents; states argument shows DeForest Co.are entitled to contracts for San Diego and Pearl Harbor; bids recently opened.W (See 175309-830)
		1916	
175864	1-10 To--(T)Auth conduct tests.3/31 To Pug Sd--(T)Auth test in connection with suit. 3/31 To Dept--Returns corres 3/31	Kilbourne & Clark T	Reqt athority to have Mariott to testify in Marconi suit.W Fwd Dept--No objection to. 1/11 Fwd Pug Sd--1/21 RB 2/23 To Pug Sd--(T)Dept auth making affidavit.1/21
176280	?	US Dist Court, Southern NY Dist	National Elec Signal Co. vs. At Communication Company infringement suit; high frequency app; hand down decision in favor of Atlantic Communication Co. W
179186	2-15 2-15	Forbes, E.D. Phila	Reqt authority to testify on behalf of National Elec Signalling Co. suit with F.K.Vreeland, crystal detector.W To Phila--Disappvs. 3/1
180796	2-26	Fransworth, P.	Reqt certified copy of copy of Robison's reports onStone apparatus for use in Kilboure & Clark suit. W Fwd Dept--Returns with copy report. 3/6
180679	3-4	To Knight Bros. (T)	Please return all papers borrowed from Bu files connection with radio suit. W Knight Bros. Court desires to retain 3-4 To--Papers may be retained. 3/15

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PATENTS: INFRINGEMENTS: RADIO 896-1

Number.	Date.	From or To—	Subject.	
180815	2-16	Pumphrey, W.H.	Relative to employment of by Bureau in connection with radio suits.W.	
183240	3-28	Kilbourne & Clark Co	T Infringement suit Marconi Co; reqt authority to make certain tests Pug Sd in connection with.W Fwd Dept--No objection to use of station for test. 3/31 RB 4/1	
183282	3-31	Dept	Fwds copies of Bureau Equipment correspondence for certification in connection with Atlantic Co suit. W To-- Fwds; certified. 4/29	
183349	3-31	Wireless Spec Co	Enters protest against infringement of their detector patent by the Navy. W To--Bu will stop purchase of. 4/13 To NY--Directs manuf of detector renewals be discontinued. 4/13 RB have issued stub reqns to cover small amount for Elec School 4/21	
	To S&A--Disappvs reqn 1389 for purchase of crystals. 4/27 RB 5/3 Fwd S&A Via Nav-- 5/9 RB 6/1 Fwd S&A Via Nav-- 6/8			
	4-19	To	Is 26th satis for Lt. Hooper. W	
185194	4-19	Dr KG Frank, At Com Co	26th satisfactory. W	
185231	4-19	Knight Bros	Reqt latest Manual in connection with infringement suit.W To--Fwds. 4/22	
186582	4/27	Atl Com Co	Royalties on radio apparatus; agreeable for the Dept to have until May 31st to render account for the term ending Dec 31.W To NY--	896

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PATENTS: INFRINGEMENTS: RADIO

1915

Number.	Date.	From or To—	Subject.	
158261	6-8	Auditor Navy Dept	Asks if Capt Bullard was subpoenad in connection with travel to NYW To Kinght Bros--Reqt confirmation of notification that presence necessary.6/ Knight Bros reqt by telephone 4-27 6-24 Fwd Nav--Gives data on. 7/7	
158464	6-16	Knight Bros	Reqt letter be addressed to Judge Mayer stating wireless pamphlets will be preserved pending conclusion of suit.W To--Bu will preserve pamphlets; notify Court of Bu's action. 6/23	
165588	9-10	Nat Elec Sig Co.	Takes exception to Lt. Hooper attitude in connection the purchase of their radio apparatus, validity of their patents,etc. Claims present purchase of arc apparatus infringement.W To--Ack receipt of 9/13	
165681	?	No source	DeForest vs. Marconi; copy of testimony of Dr Austin in connection with oscillating audion receiver.W	
167800	10-8	DeForest Radio T&T Co	States radio telephone recently tested at Arlington by Western Elec Co. is covered by DeForest patents dating back to 1909; Western Elec Co. can grant Govt no rights to use.W TO -- 10-18	
167834	10-7	Pumphrey, W.H.	States Marconi Co has issued injunction against Emil Simon; makes appt for Monday.	
169502	10-22 10-26	Pumphrey, W.H. Dept	Reqt letter to Court stating that award of contract to E.J. Simon based on his sets being superior to others; Marconi are claiming infringement. W Fwd Dept--Comments on.10/29	

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PATENTS: INFRINGEMENTS: RADIO 896-1

Number.	Date.	From or To—	Subject.	
170801	11-5	Farnsworth, P.	Suit Marconi vs DeForest on audions; request testimony of Dr Austin. W To Dept--State Dr Austin may be spared should this be considered not detrimental to Govt's interests. 11/10 RB Fwd Rad Ser--11/27 RB 11/30 To--Asks why DR.Austin desired·11/27	11/27
171155	?	?	Memo of patents owned by DeForest Co and claim to be infrindged by Fed Tel Co. W	
171476	11/16	Emil J. Simon	Contract for 25 half kw sets; states owing to time required in connection with defending Marconi suit, will require extension time of delivery	876
172255	11-23 11-24	Farnsworth, P. Dept	Marconi vs. De Forest audion suits; reqt Capt Bullard and Dr Austin appear for witness for DeForest; Dept permits and DeForest Co files statement they will make no combination or agreement that will act against Navy Dept interests in future W.L. To Dept-- Fwds above·11/27	
172517	11-29	Farnsworth, P.	Reqt authority Austin to come NY to be there Wednesday evening; testimony to be taken Thursday. W	
172538	11-30	To W.H.Pumphrey.	Ack receipt of log books of radio stations loaned for use in connection with suit. W	
174042	12-9 12-16	Marconi Co. S&A	Protests against specns on Bu reqns 35,36,37; cannot bid on arc generators without infrigning patents; balance of apparatus infringes Marconi apparatus. W Fwd S&A--Comments on. 1/3 RB 1/15	

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PATENTS: INFRINGEMENTS: RADIO 1915

Number.	Date.	From or To—	Subject.
153968	5-3	Knight Bros	Marconi suit; reqt Capt Janes, Coulter, and George be detailed to testify. W To Capt Jayne-- Re above. 5/7 RB 5/11 To--Have taken up with Capt Jayne. 5/7 To--Fwds copy letter from Jayne. 5/13
153969	5-3	Knight Bros	Desires to extend thanks to officials NY Yd for exhibiting high frequency apparatus. W Fwd NY-- Noted. 5/10 RB 5/15 To--
154000	5-3	Knight Bros	Fwds blanks for data in connection with Marconi suit.W
154787	5-12	To Dept.	Testimony of F.A.Kolster; fwds letter for Secy's Sig to Dept Commerce reqting present of in NY. W
154886	5-13	Knight Bros	Tesla coil; test of from Sayville; not necessary to send operator to testify; willarrange another test with plaintiff present. W To--Will make arrangement to receive at Wash. 5/17 Knight Bros 5/19, test will commence 5/20. To--(T) Asks time of tests. 5/19
155402	5/19	Knight Bros T	Test of Tesla coil; gives time.W Knight Bros 5/19--details of test.W
155375	5-19	To Richard Pfund.	Re appearing as witness in suit; reqt matter be discussed with Mr.Pumphrey. W
155581	5-21	To Hon Van V Veeder. (T)	Gives rulsts of Sayville tests rec'd at Naval Radio Laboratory, Bu Standards Wash. W

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PATENTS: INFRINGEMENTS: RADIO. 896-1

Number.	Date.	From or To—	Subject.
155735	5-22	Knight Bros	Sayville, Washn Radio Laboratory test; reqt confirmation. W Kitchen, H.W. reports on Sayville test Bu Standards 5-24 To-- 5/26
155734	5-22	Knight Bros	Reports postponment of trial. W Fwd Dept-- 6/1 RB 6/4
156174	5-27	Knight Bros	Marriott & Elkins have completed duty; expresses appreciation. W To Nav-- Fwds copy above 6/3 To Dept Commerce--Exprresse appreciation for services 6/3
156402	6-1	Knight Bros	Attorney for Plaintiff reqt form 123 for 1907-8-9-10; have requested that they write direct to Dept. W
156403	6-1	Knight Bros	Plaintiff reqt copy of license agreement between Govn and Defendant. W
156613	6-2 6-3	Winter, F.W. Solicitor	Makes request for reports on form 123, 1907, 8 and 9 and any others of prior date. W Fwd Dept--Reqt reqt be granted. 6/4 RB 6/8 To Pumphrey--Fwds papers for examination by Winter 6/4
157202	6-8	Knight Bros	Reqt that W.J.Wheeler civilian employee at Boston be ordered to testify for Plaintiff. W Fwd Bost--Reqt leave be granted Wheeler for the purpose mentioned. 6/10 RB 6/14 To--Have reqtd Bost to grant leave for purpose. 6/10
157676	6-10	Knight Bros	A. Stein, Jr. Fwds copy of letter written; reqt Navy furnish. W To--Have written Stein as suggested 6/15 To A.Stein--Re testifying in suit 6/15

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PATENTS: INFRINGEMENTS: RADIO: 1915

Number.	Date.	From or To—	Subject.
152136	4-12	To M.Is. (R)	Are any mercury turbine interrupters still in service in Pacific Coast stations? If so what frequency spark note.M W
152325	4-14	To Dept.	Recommend War Dept be reqtd to grant leave of absence to E.R.Craw,Signal Corps, in order that he may testify in radio litigation. W
152533	4-15	Knight Bros	Reqt search for missing contemporary reports from operators; also copy of letter to Solicitor relative to equal facilities both sides to secure papers.W To-- Comments on. 4/17
152468	4-13	Knight Bros	Reqt Major Russell testimony and copy of certain books.W
152708	4-17	Dept Commerce	Woolverton and Mariott; reqt date when can be relieved from trial. W To K-Bros-- Reqt reply to. 4/20 To-- 4/20 Navgn navy Asst not reqd 4-28
152576	4-17	To Knight Bros.	Fwds copies of "Manual of Wireless Telegraphy for use of Naval Electricians." W
152576	4-17	To J.W.Scanlin,USN	Fwds copy above (1809) W
152728	4/19	To Knight Bros T	Asks when Mr. Cram will be required.W Knight Bros--4/19 (T) Not required tomorrow, will give one day's notice.

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PATENTS: INFRINGEMENTS: RADIO 896 — 1

Number.	Date.	From or To—	Subject.
152932	4/21	Knight Bros	Mariott, agrees to pay salary for retention of services; Woolverton free April 25th.W
153013	4-22	To Knight Bros.	Fwds sehedule 143 on bids opened August 20th 1907: unable to locate bid of Telefunken Co. submitted August 20,1906. W
153175	4-24	Knight Bros T	Reqt services of L.E. Wildman, War Dept be secured.W To--(T)Bu understands arrangements have been made for his presence in NY. 4/26
153305	4-26	Knight Bros	Reqt B.F. Grave, C.N. McWhorter, be detailed as witnesses.W Fwd ept-- 4/27
153408	427	Knight Bros	Woolverton has already left; reqt Marriott be allowed to remain.W
153590	4-29	J.M.Mayer,Hon.	Gives certified statement of Lieut Comdr A.J.Hepburn re number of motor-generator radio sets in service on which alternators have a frequency of less than 500 cycles. W
153799	4-30	,To Phila.	E.D.Forbes: directs proceed to NY and give testimony in trial. W To Dept-- Reqt for orders for. 5/1
153904	5-1	Mayer, Judge, J.M.	Reqt detailed information relative to number of sets in use in Navy, on shore and afloat with frequencies.W To--Will fwd next week· 5/5 To--Fwds data on. 5/13 Mayer--ack. 5/18

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PATENTS: INFRINGEMENTS. RADIO

1915

Number.	Date.	From or To—	Subject.
151057	3-30	Knight Bros	Reqt that Dept Commerce allow Woolvertaon, and Marriott devote their entire time while in NY to Suit.W To Dept Commerce--Asks if possible to meet the suggestion. 3/31 **Commerce agrees if Knight pay salary 4-3** To Commerce--Have refd to Knight. 4/9 **Knight Btos agree to pay Marriott salary 4-10** To Commerce-- Fwds copy above. 4/21
151151	3-31	Knight Bros	Reqt that Clark, Wheeler, Bean, be ordered to NY.W Fwd Dept--Rec orders be issued. 4/1 To--Have reqtd orders be issued. 4/1
151520	**4-5**	**Knight Bros**	**Reqt Major Russell be interviewed to determine if testimony is of value.W** To-- Gives data obtained from Russell. 4/8
151498	4-5	To Knight Bros.	Explosion MISSOURI Pensacola April 13,1904.W
151832	4/7	W. H. Pumphrey	**Reqt statement relative to consolidation of Bureaus, destroying of routine records, etc., for reading before court.W** To-- Comments on. 4/10
151825	4/8	Knight Bros.	**Reqt H. C. Gawler, radio inspector, Boston, be allowed to testify.W** To Dept Commerce-- Re securing presence of.4/9
151812	4-8	To Knight Bros.	State no objection to witnesses appearing in uniform. W
151920	4-9	To Dept.	Lst class electrician Bruine; reqt orders be issued to proceed from Pensacola to NY for testimony in trial. W RB 4-10 from Nav.

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896 -- 1 PATENTS: INFRINGEMENTS: RADIO:

Number.	Date.	From or To—	Subject.
151919	4-9	To Department.	Reqts Expert Radio Aid C.J.Pannill be ordered to NY as a witness in trial
151923	4-9	To Dept.	Reqt for travel orders to Expert Radio Aid F. C. Davis. W To NY--(R) Notifies of modification in orders. 4/10
152036	4-10	To W.H.Pumphrey.	Fwds copies of a return formerly made by all ships and stations entitled "Description of Wireless Telegraph Plant". W
152110	4-10	Knight Bros	Fwds copies of Bu Equipment corres for certification.W To-- 4/13 Knight Bros returns for certification 4-15 To--Copies prepared & fwd Solicitor. 4/17
152109	4-10.	Knight Bros	Reqt copies of prelim corres in connection with Murgas system; also records re date of publication Rovison Navy Manual.W
152136	4-12	TO M. Is T	Asks if any mercury turbine interrupters in service Pacific Coast; M.Is replies; one at Farralone islands 4-12 To K-Bros-- Gives above data. 4/13
152169	4/12 To-- 4/28	Dept Commerce	States Mr. Gawler subject to call of KNIGHT Bros; asks length of time required; also for Marriott and Wolverton.W To K-Bros--Fwds copy above. 4/14 To K-Bros--Asks when Gawler will be needed.4/28
152097	4-12	To Dept.	Recommending Chief Elec Synder be ordered to NY to give testimony in trial. W

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PATENTS: INFRINGEMENTS. RADIO 1915

Number.	Date.	From or To—	Subject.
148463	2-24 2-27	Dept Commerce Dept	Have granted Mariott and Wolverton leave of absence to appear as witness at Company's expense.W Fwd Dept-- Noted· 3/1
148539	3-1	Knight Bros	Reqt list of all radio purchases, statement of relative value of sets purchases, names of operators,etc.W To S&A-- Reqt for above· 3/3 S&A fwds list of purchases radio material up to 1911 3-6 Knights Bros 3/16 returns· 3/16
	Fwd S&A Via Dept--Rect certification of document. 3/17		
148586	3-2	Dept Commerce	Copy of letter to Mariott & Woolverton directing appear as witness; absence will not be charged against annual leave, and they will be allowed pay.
148908	3-5	Knight Bros	Reqt papers left with Lt Comdr Sweet be returned if Mr Sweet action on same is to be delayed.W To--(T) Sweet now in NY,confer with him.3/6
148911	3-5	Knight Bros	Woolverton; asks be sent as soon as convenient To--Have taken up with Dept Commerce· 3/12
149124	3-8	Knight Bros	Capt Wildman; reqt certain data be obtained from; Signal Corps. W To--Have reqtd War Dept to obtain. 3/11 Fwd Dept-- Letter for Secy's sig) 3/11 To War Dept-- 3/11
149318	3-10	Knight Bros Co.	Reqt copy of all bids made by Marconi Co. from 1903 to date and reasons for acceptance or rejection. W To-- Fwds data on. 3/11
149433	3-11	Knight Bros	Reqt Bu secure testimony from W.C.Dean Bureau C&R Fwd C&R--Rec leave be granted to. 3/12

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PATENTS: INFRINGEMENTS: RADIO. 896-1

Number.	Date.	From or To—	Subject.	
149671	3-13	Knight Bros	Reqt statement that multi segment rings were used at station and on ships prior to 1905 for practical and not test purposes. Also copy of Mr. Sweet's letter 1905 from Asiatic. W To--Comments on· 3/17	
149798	3/16	Knight Bros	**Presiding Judge refuses to delay case; reqt as many witnesses be ordered as possible.W** To--Gives names of witnesses available.3/16 To Nav--State case cannot be delayed.3/16 To Dept-- Fwds copy of letter from KB. 3/16	RB 3/23
149967	3-17	Knight Bros Co.	Reqt Bu Standards Bulletin No 5 containing Dr Austin's article on Telephone High Frequenvy.W To-- Fwds. 3/18	
150640	3-24	Navgn	Gives list of men ordered for witness Atlantic Communication Co.W	
150928	3-29	Knight Bros	Reqt that War Dept be asked to confer genl authority on Major Wildman of the Signal Corps to assist. W Fwd Dept-- Rec be refd to War Dept·3/31	
150962	3-30	To Knight Bros. (T)	Reqt Sweet's statement be forwarded for certification. W Knight Bros- Returns. 3/30	
150985	3-30	To Bost.	Re securing services of W.G.Wheeler as witness in suit. W	
150986	3-30	To GE Co.	Reqt statement on 2 k.w. 500 cycle alternator manuf by GE Co on Bu Equipment reqn #43. W	

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[OVER.]

PATENTS: INF INGEMENTS: RADIO 1915

Number.	Date.	From or To—	Subject.	
146090	2-1	Knight Bros	Shoemaker and DeForest pamphlets; ~~comp~~ apparently not issued until Aug 1906; reqt Bureau investigate.W.	
146114	1-29 2-1	Pumphrey, W.H. Dept	Reqt Lt Comdr G.C.Sweet be detailed to aid in defending suit against Fessenden patents.W Fwd Dept-- Rec detail of 2/3	
146113	1-26 2-1	Dept Commerce Dept	Copy of instructions to their radio employees to furnish any data in connection with suit.W	
146191	1-30	Pumphrey, W.H.	States US District Court, N.J. has granted Navy Dept access to records of case of Nat.Elec.Sig.Co. Vs Marconi Co. suit.W Knight Bros.-Sayville test will have to be postponed 2-4 Fwd Dept--Noted. 2/4	
146199	2-2	Knight Bros Co	Have arranged for Sayville to send with Tesla coil; reqt cooperation with Colon, Arlington,etc; to used as evidence.W Knight Bros test postponed 2-4. To--(T) Arrangements made for test. 2/4 To-- Have directed test. 2/4	
146396	2/5	M. Is. R	G. C. Sweet; condemned by Medical Survey; unfit for service; reqt recommendations	632
146452	2-5	Knight Bros	Asks that G.H.Clark be assigned to examine records of Stone T&T Co at Boston and Duxbury.W To--Other work will prevent Clark from undertaking investigation. 2/8 To Dept Commerce--(secy's sig) Reqt F.A.Kolster make examination if practicable.2/8 Knight Bros 2-9	
146875	2/10	Hepburn T	Sayville; make arrgt for test with Tesla coil.W	

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N.S.E. Form 134.

PATENTS: INFRINGEMENTS RADIO 896-1

Number.	Date.	From or To—	Subject.
146716	1-22	M. Is 848	Radio whistler; Lt. Sweet ~~sent~~ anti-dates Federal Tel Co. claim for this invention.W
146964	2-11	Knight Bros T	Will make Sayville test to-morrow morning same as to-day.W Tesla
147534	2-17	Knight Bros	Stone system; asks if Capr Robison or Kaiser can testify in connection with test. W To--Fwds copy of report by Capt Robinson on inspection of this apparatus. 2/24 Knight bros; reqt. certified copy 2-27 Fwd Solicitor-- Fwds for certification.3/4
147618	2-18	Knight Bros T	Reqt Commissioner of Navgn detail R.H. Marriott for hearing first Wed in Mch and Monday in April. To--(T)Can detail; will Co pay expenses.2/18
147662	2-8	Knight Bros	At.Com Co. agree to bear expense of Mariott and Woolverton.W
146570	2-16	Thomson, Prof. E.	Unable to find old journals to substantiate Bu claim.W To--Ack receipt of. 2/20
147572	2-17	Simpson, F.G. T	Suggests securing Tesla british patens issued in 1896. W
147677	2-18	Knight Bros	Reqt Navy take up with Commerce the securing of R.H. Mariott as witness. W
148010	2-23	Knight Bros	Reqt copy of "Work of Hetz, 1894 edition".W To--Delivered to Mr.Humphrey in person.2/25

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[OVER.]

1914

PATENTS: INFRINGEMENTS: RADIO

Number.	Date.	From or To—	Subject.
142183	12-11	Dept 10191-60-5	Atlantic Communication Co. fwds copy of agreement between Company and Navy Dept releasing to Navy Dept all its claims under its patents and allowing manufacture for a nominal royalty on all future patents; in exchange for Department's assistance, witnesses, etc. in protecting company against infringements, suits, of Marconi Co. and any other Co. W. To--States Bu has undertaken compilation of data for; reqt Lieut Comdr. Sweet be ordered to Bu in connection with work. 2/1 To Prof. Thompson--Reqt information on pamphlet printed in Liege, Belgium. 2/11 To NY--Reqt preparation of exhibit showing radio apparatus. 2/11 NY OK 2-25
144564	1-14	To M.Is. (T)	Inform Sweet Dept has entered agreement to assist Telefunken interests defend suit for infringement Fessenden 500 cycle patents also Marconi inductive coupling patent; directs furnish data. W
144695	1-16	Robison, Capt. S.S.	Radio suit; report of conference at Office of Knight Bros; agreement reached that Bu SE secure data from files and detail naval witness. C Fwd Nav-- 1/16
144696	1-14	Knight Bros	Reqt certain publications lists in connection with radio apparatus 1899-1905. W To--Will institute search for. 1/18 To Yards, Officers & Men-- Collection of evidence on suit. 1/18 To Dept Commerce--(Secy's sig) Reqt collection of evidence on suit. 1/18 Gunner Dame 1-21 Phila, Ensign Enright has been assigned to investigate 1-23 Eaton 1-22 To TEXAS--For statement of Elkins. 1/23 J.W. Scanlin 1-22 C.E. Jones, Lt. Sweet, M.Is. 1-19 B.J. Reynolds, Jan 22 W.C. Bean 1-26 W.V. Alberts, gives address 1-23 NY Yd. 1-27 fwds copies of corres To Albert-- Ack receipt of. 2/3

N.S.E. Form 134.

PATENTS: INFRINGEMENTS: RADIO 896-1

Number.	Date.	From or To—	Subject.	
144696			Greaves, V.F. 1-29	
			Elkins, Lindsey, 1-28	
			Stotz, C.E. 1-27	
		Norf reports for light vessel No 71 2-22	Phila Yd 1-28	
		Knight Bros returns Simp on letter 2-27	To Knight Bros-- Fwds certain publications on. 1/30	
		NY 3-27	To Pumphrey-- Fwds replies rec'd from certain persons in answer to inquiry 1/30	
		Bost for W.G.Wheeler 2-25	J.H. Claus 1-26	
		To Nav--Gives list of Naval Witness needed at trial. 3/2	W.V. Albert 2-1	
		To Knight Bros--Gives statements rec'd. 3/2	To NY-- Re original of papers. 2/2	
		Knight Bros 2-24 Fwd NY--3/3	G.W. Bensing 2-3	
		To Knight Bros-- 3/3	J.J. Delany 2-2	
			To WYOMING-(R) Experiment to be made in connection with legal defense. 2/3	
Navgn action of request for orders 3-5			To COLON-(R) Ditto. 2/3	
		Norf no further 3-8	Phila for ships in reserve 2-3	
		To Pumphrey-- 3/10	Chadbourne, 1-26	
		To Nav--Re naval witnesses at trial of. 3/10	Gallagher, W.S. 2-2	
		NY no further data; reports on rece interrupter sepeeds 3-12	To WYOMING--States test posponed. 2/5	
		To K Bros-- Reqt trial be posponed until middle April. 3/13	TO COLON-- Ditto. 2/5	
			H.C.Gawler 2-5	
		Knight Bros 11/21/14; fwds copy of the Waterman deposition inthe Jersey Wireless Suit.W	Norf 2-5	
			To Nav--Asks whereabouts of H.P.Smith. 2/6	rb 2 12
		To Dept--Fwds corres for instructions in view points raised by Bu Nav. 3/15	NY gives list of men who can testify 2-6	
		NY reports on interrupter test 3-20	G.E. Field 1-30	
		NY for light vessel 72 3-27	Woolverton, R.D. 2-3	
		Norf--no further evidence 4/12.	A.B.Empte, 1-30	
		To Knight Bros--Reqt return of book fwd with Bu letter of 3/3/15. 2/1/16	NY lists letters on file whi h are originals 2-8	
		Knight Bros book retained by Court for Marconi litigation 2-2	To Pumphrey--(T)Lowenstein will be at Knight Bros Wedenesday. 2/9	
			Rice, A.R. 2-8	
			To Knigh Bros)(T)Gives resulst of test. 2/12	
			Phila no more 2-13	
			W.Keepers, 2-5	
			Woolverton, R.W. 2-8	
			To Knight Bros--Returns artcile loaned. 2/18	
			B.Wolf, 2-12 NY 2-19	
			To Knight Bros-- 2/20	
			Norf 2-20 To K-C Co-- 2/24	
			To NY--2/23	
			To Knigth Bros--Marriott will report Mon. 2/24	
145669	1-27	Knight Bros	Reqt history of and technical data on use of wireless apparatus in Navy between 1900 and 1902. W.	

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[OVER.]

PATENTS: INFRINGEMENTS. 1914

Number.	Date.	From or To—	Subject.	
116573	1-31	Nat Elec. Sig Co	Reqt Authority to borrow or purchase old mercury turbine interrupters at NY Yd for use in patent suit against Marconi Co.W To---cannot loan.2/3 Fwd NY.2/3 RB 2 11	
116785	2-13	Nat Elec Sig Co	Suit; reqt. loan or information relative to "Treatise on Wireless Tlelgraphy comprising Shoemaker and De Forrest".W To---.Fwd Dept.2/6 RB 2 10 To---Bu has no copy.2/10.	
116887	2-4	Nat Elec Sig Co	Reqt loan of a mercury turbine interrupter either from Museum at Arlington or NY.W Fwd Dept.request instructions.2/6 RB 2 11 To---Ref to Dept for decision.--Fwd Dept. 2/12 RB 3 6 Fwd NY.loan authorized.3/6 RB 3 13	
120744	3-24	Nat Elec Sig.Co.	Marconi injunction suit; re Lodge patents; reqt Navy intervene; granting of injunction will practically close down every radio plant in country.W To---3/30.	
121159	3/30	Wireless Spec App Co	Reqt telegraphic order for 22 receiving sets at $390 per set in order to make delivery before infringement notice can be served on company	898
121552	4-4	TO NY	Multiple segment mercury interrupters; asks if report made as directed in Eq. 127,708.W	898
123628	4-27	Nat Elec Sig Co.	Reqt Dept aid in securing advance on docket of their appeal of case against Marconi Co.W Fwd Dept.4/29.	

N.S.E. Form 134.

PATENTS: INFRINGEMENTS. 896 — 1

Number.	Date.	From or To—	Subject.	
123588	4/15	Wireless Spec Co	I-P-6 receiving sets; have delivered 13 instead of 12; reqt cont be increased; states new tuners delivered with receivers do not infringe Fessenden patent claim which has been sustained	898
124917	5/14 5/15	R.A.Ford, Attorney for Marconi Co. Dept. 18668-40-40	N.E.S.vs.Marconi Co. Requests information re date of publishing Manual of Wireless Telegraphy and certain other information not confidential.W To R.A.Ford--Fwd.Dept.--have no further information 5/16	
125014	5/15	Natl Elec.Sup.Co.	Sweet type portable radio set; requests loan of in connection with suit.W Fwd Dept recom 5-18 RR 5 21 app d To--Dept has authorized loan, apply at Wash Yd 5/21 Fwd Wash Yd 5/21 rb 5 25	
132572	8-17	Lowenstein F/	Reqs. certificates of knowledge of radio art, character etc. in connection with suits	876 ~~639~~
136419	10-3 10-9	Lowenstein, F. Dept	Court returned decision in his favor against Marconi Co.W Fwd Dept-- Noted· 10/19	
138318	10-29	NY	Guy Hill forwards copy of proposed agreement between Marconi Co and Nat Elec Sig Co. Recommends Dept have Lawyer present when agreement is brought up in court.W. Fwd Sol-- For information rec. 10/31	
139312	11/11	Kilbourne & Clark Mfg Co T	Marconi threatens suit with intention of prevention of acceptance of radio apparatus; suggests Bureau take necessary steps.W To-- (T) Bu confident no obstacle re delivery of. 11/13	

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[OVER.]

PATENTS: INFRINGEMENTS. 1913

Number.	Date.	From or To—		Subject.
110395	11-10 11-14	Marconi Co NY	2049-3	Reqt. that A Prastka be allowed to testify in connection with Nat. Elec Co- Fessenden suit; NY quotes testimony that can be given to show that 500 cycle experiments used with high pitch spark were made by navy as early as 1904. W
110932	11-18 11-21	NY Solicitor	2047-4 18668-40	Nat.Elec.Sig.Co. have been granted injunction against Marconi Co., injunction not to intere with present Navy contracts with Marconi Co.W Ret Solicitor.11/24
111427	11/28	To N.Acad.		Bureau desires to complete file of government publications on radio telegraphy; requests statement of what can supply.W Nav Acad gives list of old pub 12-6
111631	11-25 12-1	NY Dept	2047-5 18668-40-7	Fwds copy of orders suspending temporarily injunction against Marconi Co. granted to Nat Elec. Sig.Co. W Fwd Dept.12/2
111960	11-29 12-3	Ehret, C.D. Dept	26840-2114	Use of radio apparatus either telegraphic of telephonic which uses varying of frequency in transmitting, infringes his aptents. W To Ehret (For Secy's sig.)12/9.
112369	12-9 12-9	Marconi Co. (R.A.Ford) Dept		Reqt. Lt. Comdr Sweet and A. Praska be authorized to furnish any information pending litigation with Fesseden Co. re high frequency spark patent; authorized by Dept; also auth furnishing copy of certain corres.W Fwd Nav.request issue nec.orders.12/10. RB 12 19

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PATENTS: INFRINGEMENTS: 896-1

Number.	Date.	From or To—	Subject.	
113829	12-30 12-30	Marconi Co. (perR.A.Ford) Dept 18668-40 RETURNED BY HAND 12-31	Reqtcertain employees of the Navy Dept be allowed to testify in the suit with the Nat.Elec. Sig.Co. Also copies of certain papers, b/p, be furnished.W	
113828	12-27 12-30	Marconi Co. (Per Sheffield, Bently, & Betts) Dept 18668-40-9 RETURNED BY HAND 12-31	Reqt. authority be given for certain Navy officers and radio operators to testify in Nat.Elec.Sig.Co. suit; also reqt b/p copy of corres, and experimental segments if same are available.W	
113836	12/30	To NY	Forwards copies of letters, Marconi Co., requesting data in conn.with patent litigation. Directs compliation of documentary matter.W (T)to---further instructions.12/31. NY unable to consult direct with Punphrey 1-2 NY(T)Lists papers cannot be supplied 1-3	
			1914	
114321	1-3	Marconi Co.(Per S.B&B)	Reqt certain certified copies of corres. W BELOW To NY,request certain prints and drawings.-- Fwd Dept.with certified copies of papers.1/8 NY fwds print 1-12	
114476	1-7	Wireless Spec.App.Co.	Claims Nat.Elec. Sup.Co. infringed their patents on detectors on those furnished with portable radio sets.W To---comments.1/14. Wireless Co. have no knowledge Nat Elec Sig Co. claim infirngement 1-15	
114321		SEE ABOVE	To Dept.Fwdscertified copies of drawings,etc.1/15.	

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[OVER.]

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PATENTS: INFRINGEMENTS.

3

Number.	Date.	From or To—	Subject.	
57039	12/26	To Dept	Decision in suit of Nat.Elec.Sig.Co. vs. United Wireless Tel.Co., in circuit court of Maine; desires legal opinion be given by Dept of Justice on certain points, as considers decision is incorrect. W	
			1912	
59625	1/9 1/25	Clay, F.W.H. Dept	Appeals to the President in behalf of the National Elec.Sig.Co. against considering bids for wireless apparatus which infringe on patents owned by that company; particular refer nce to schedule 4149. W Fwd Dept.Comments: Telefunken Co.furnishes best material,usually.1/29.	
59936	2/24	NY	Sched.4250: fwds letter from National Elec.Sig.Co. claiming all other bids are infringement of their patents and will enter suit if any are accepted: National Elec. Bid $225,000 against next bid of $122,750 Claim extortion and ask be brought to attention Depatment Justice	706
63169	2-28 2-8	Justice,Dept Dept	Nat.Elec. vs. United Wireless infringement case; unnecessary for Govn. to submit brief as United Wireless Brief covers all points raised by Navy Dept.W Ret Asst.Secy.3/12.	
			1913	
92265	3-6 3-12	Marconi W.T. Co. Solicitor 26817-41	Lists number of Marconi radio patents and patents pending, and owned by company which the Government is infringing; rect. to be reimbursed for and also guarantee that no more apparatus will be purchased which infringes patents listed.W. Fwd Dept.comments.3/14	

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N.S.E. Form 134.

PATENTS, infringements. 896--1.

Number.	Date.	From or To—	Subject.	
95602	4/23	S&A	Insulators, fwds copy of decision re interference with Ed. M.Hewlet regarding disk strain insulators.	911
99762	6-18	Clark, G.H. T	Reqt. extension of time to allow presence at Marconi-Fessenden infringement suit; Reqt. permission for Marconi to visit Arlington. W (R)to NY.appd; instructions.6/19.	
100046	6-20 6-21	Genl Committee on Radio Supt. Radio Service	Marconi infringement case, against National Elec.Sig.Co. Decision in favor of Marconi Co. would seriously affect Government by the establishment of a monopoly; reqt. that Dept Justice follow litigation.C. Memo to Secy.comments.6/23. Fwd Dept.6/23.	
100890	7-1	Clark,G.H	Marconi suit ended June 30. W	
101044	7-7	Clark, G.H.	Marconi Vs Fessenden patent infringement suit; fwds summary of closing arguments of counsel. W	
110032	11-7 11-11	Marconi Co Dept	Suit Nat. Elec.Sig.Co. vs Telefunken Co. Reqt. statement as to use of high frequency spark apparatus prior to July 1st, 1907. W Ret Dept.11/17 To Dept.fwds information. 11/20. To Dept.fwds addtl information.	11/21
110215	11-13	Solicitor 18669-40-1	Copy of letter to National Elec.Sig.Co. declining to accede to company's reqt. that no other companies be considered in purchasing radio apparatus; not bound by decision Circuit Court of Appeals while othr suits are pending.W	

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[OVER.]

PATENTS: INFRIGEMENTS:

Number.	Date.	From or To—	Subject.
39151	5/19	Marconi Co	Fwds copies of notices claiming, on patents in America.W To -- Acknowledging.5/23.
40204	5/19 6/1	Marconi W.T. Co Dept 26817-30-2	Fwds notice that any infringement of American patents 763772 will be followed by suit.W Ret Dept.Noted.6/5.
40363	5/31 6/3	Winter, F.W. Dept 18668-34-7	Reqt. certified copies of certin letters in connection with suit of Nat.Elec.Sig. Co. against Telefunken W.T.Co. K Ret Dept. 6/9.
41617	6/16	Nat.Elec.Sig.Co.	States apparatus on Schedule 3635 is covered by patents owned by them and protests against Dept making award on same to any other company. W To -- Acknowledgment.6/22.
42999	7/7	Wireless Spec.Co	Protests against acceptance of detectors of iron pyrites or perikon, from other companies; claim infirngement.W
43642	7/13	Dept	PATENTS;calls for papers on infringement suit of Nat. Elec. Co. against Telefunken; Copies of furnished, but need certifications 896 Ret -- 7/17.

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PATENTS, infringements, 896--1

Number.	Date.	From or To—	Subject.	
48349	9/6	Dept.Justice	Reqt copies of papers and other information from Bu. Equipment files in connection with infringement suit of R.A.Fessenden. Fwd S&A. 9/14 TO NY; reqt. information. BLRB10-6 To(T)-Reqt telegraphic reply to letter of Sept.14 (NY).10/3. To NY-- Reqt information as early as prac.10/3.	SEE BELOW (896) 9/14 RB 9-22
50312	10/5	NY T	Contract 13422; wireless; information and prints mailed to-day. W	
48349		SEE ABOVE.	(T)to Todd.St.Augustine.Asks if can inform where papers may be found.10/6. Fwd Dept.Fwds papers available.10/10. To NY.Asks if have original letter and Trade circulars of Ostheimer Bros.on file.11/15. NY 11/20 No circular at yard.W	
51216	10/12	PRAIRIE:	Unable to furnish prints and information re Telefunken set installed in 1904. W Fwd Dept. 10/18.	
55380	12/6	Nat.Elec.Sig.Co.	Fwds copy of decision of judge LaCombe against Telefunken Co. covering detectors; Have similar suit against Wireless Specialty Apparatus Co.W To--Ack.12/8.	
56248	12/15	Wireless Spe.App.Co.	Requests information on injuction against National Electric Sginal Co. on rectifying detectors.W To--Fwds list of vessels and stations equipped with 1-P-76 receivers.12/16.	
56750	12/18	Nat.Elec.Sig.Co.	Fwds record in connection with Maine case suit for infringement. W To--Ack.12/22.	

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[OVER.]

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PATENTS - infringment

FILE No.		From or To— (Dated)	Subject.	
29223	1/17	To NY	Cont.13549: Rqt investigation of Telefunken Co claim that prints furnished on cont: were stolwn by Ray Fuller, employee at Yd. and given to Nat. Elec. Sig. Co. Data needed in connection with suit for infringment	629
32666	2/28	Marconi W.T.Co	Invites attention to decision of Eng. court granting claims for basic patents on all tuning devices. W To - acks. 3/3	
33265	3/7	Marconi W.T.Co	Fwds copy of "Electrician" containing full transcript of judgment of British Court in favor of Marconi patent claims. W. To -- Copy returned 3/11.	
34252	3/18	Marconi W.T.Co	Fwds pamphlet showing proceedings of judgment of British Court against Radio Tel & Tel Co. W To -- Ack receipt 3/22.	
32640	3/18	Nat.S.Sig.Co.	Sched.3307: enters protest against award of cont. to any other firm: states can collect royalty if so awarded.	706
34580	3/23	Marconi W.T. Co London Office	Fwds copy of judgment in their favor. W Fwd Dept. 4/21.	
36053	4/5	Dept Justice	PATENTS: fwds claim of National Elec. Sig.Co. against the US for $100,000 for damages for use of patents owned by Co. To Patent Off. Reqst patent 706,736. 4/20.	896 Fwds.4/20
36518	4/13	Clay, F.H.W. Att. Nat.Elec.Sig.Co	Reqt. Department appoint witness to testify in infringement suit.W Fwd NY. Reqst designation of persons b est prepared to testify.4/21. R.B. 4/28 - nominates D.M. Mahood.- Fwd Norf. Directs designation of persons 4/29. R.B. designating Mr.Webb. 5/6 Fwd Dept. Rec tjat D.M.Mahood be designated. 5/8.	

NB—0120

Number.	Date.	From or To—	Subject.	
324759	7/12	To Nav via Comm	Rqts repeated travel orders for Ens M A	Vining 632
326922	7/17	To Opera. via Nav. Com.	Re-training of personnel for Aircraft Radio	918
341232	8/23	Submarine Forces	Reqst radio apparatus for use in training men before transfer to subs W	radio 158-6
410400	4/14	To Naval Comm.	Asks detail to each District one man, instruc radio compass operators. W.	919
412946		SEE CARD 365	New York 5/8 Recommendations for complement for radio material organization. Boston 5/7 cpy recommendations for radio material complement.	632
433906	7/16	Dept	Radio personnel for dirigible; request comment as to detail for; F	632-1
412946	2-2	Dept	Allowance of civilian radio personnel to various yards and stations; K W	632
488545	4/22	To Navgn via DNC	Cavite- duties of Phillippine Comm Supt as regards radio material matters in addition to personnel operation matters. Recommends Nav issue instructions to Comdt directing Phillipine Com Supt be not assigned any duties other than those pertaining to radio material and personnel operation. W	806

PERSONNEL: RADIO 1920

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
502009	6/28	CIRCULAR D-12	Monthly radio reports- suggestions in re to circulation of, suggests radi officer conduct monthly examinations of personnel upon contents of each issue WM	876
515818	10/13	To Comdt 4th Dist	Civilian radio personnel complement for 4th Dist recs changes WK (rel W.G. Ellis at Phila yard trf to Anacostia.)	918
515818	10/13 rth Dist 10/30 W	To Comdt 4th Dist	Civiliam radio personnel complement of 4th Dist recommends changes WK Phila- Recommendations covering changes in Civiliam personnel. 10/22 W	918
		1922		
652080	10/24 12/2	Asiatic Fleet De pt	Report covering shortage of radio personnel on Asiatic Station requesting 40 Radio men be ordered W	894

4—3381

[OVER.]

WIRELESS. 1912

Number.	Date.	From or To—	Subject.	
~~71228~~	~~6/13~~	~~Lamson Con.Store Serv.Co.~~	Wireless apparatus on ships; suggests use of pneumatic tube for transmitting messages to Captain.	876
			1913	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
655130	12/30	To Comdts- Boston-NY- Pug Snd- C-I-C U SFleet- & Battle Fleet- Comdr scouting Fleet	Alterations to remote control project V-9- 23- Fwds prints W. Pug. Snd 1/10 Alterations to remote control. Fwds prints. W WYOMING 1/28/23 Returns prints W	
655135	12/30	To Comdts listed	Vacuum tubes- inform in connection with W	
639454	from card 400		To GE Co - Vacuum tube testing equipments- gives comments cc Inspr mat GE W 1/3/23	

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RECEIVING AND SENDING 1923

Number.	Date.	From or To—	Subject.	
14983-570	12-27-22	Eng- N.Yd. Ports. N.H.	Radio Telegraph- Location of certain radio amplifiers.	
14901-521	12-11-22	Eng--CinC Pacc Flt.	Radio Telegraph-Aviation- Design of Aircraft receivers.	
515819	FWD FROM CARD 366		Sec Interior. 4/19 Rqsts loan of tube for be continued during helium experiment W To Secy of Interior (Secy Sig) Gives inform rel retaining tubes 5/1/23 To Hon Secy of Interior (Sec Sig) - Request informrel availability of tubes 1/24/24 Interior Dept 1/31 Request extension of loan to March 1 W Interior Dept 2/28 Vacuum tubes loaned Bu Mines returned to NY Yard 2/20 W	

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[OVER.]

Number.	Date.	From or To—	Subject.
654685	12/27	To Boston	Protective Relays type SE 3522- shipment of- cc Comdr Des. Squad 9 - Co's BRIDGEPORT CHILDS - Forts Comdt- CO's WRIGHT MAHAN W Boston- Reply made Jan. 22. W
655078	12/14	14th District	Rqsts 100 Type CW 1818 vacuum tubes be fwd. W To P H - gives inform rel shipment 1/8/23
655169	12/28	Wash.	Fwds drawings showing model TM A.C. tube transmitter W

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Number.	Date.	From or To—	Subject.	
654130	12/28	To GE Co -	Adoption of miniature- receiving tube- gives Inform rel W	
			To Western Elec. Co- Gives action taken 12/29 GE Co 1/22 confirms. Will submit report in few days. W	
654246	12/27	To S&A 1750	Reqst shipment of receiver from Norf to SC Washn W RB 3/15/23 W To S&A Reqst shipment of receiver from Norf to Washn 2145 2/9/23	
654683	12/28	To Western Elec. Co	- Will be pleased to receive one of relays for test cc Washn W	
655396	12/28	GE Co.	Radiotron receiving tubes UV-199 - samples will be brought to Bureau W	

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Number.	Date.	From or To—	Subject.
654402	12/22	To Boston	Radio receivers - Status of- Reqsts Inform W
654827	12/21	Ports	Calls attention to defects in motor PE vacuum tube transmitters W
654944	12/26	Wash	Fwds vandykes of hand keys for Model TM tube transmitter W
654253	12/23	To S&A	Radio material for vessels equipped with Model Rb recg equipment- shipment of W S&A 12/28 copy of shipment order covering Jack from Wash to Yards Y

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Number.	Date.	From or To—	Subject.
654979	12/21	Battle Fleet	Copy of action to Divisions W
654979	12/29	Battle Fleet	Copy of letter to CO CALIFORNIA directing transfer of vacuum tubes to MISSISSIPPI NEW YORK TEXAS and PENNSYLVANIA Y
654977	12/22	Pug Snd	Special report on an improved winding for arc coils. Fwds W
654614	12/27	To Boston	Radio receivers- Status of- Reqsts inform W

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Number.	Date.	From or To—	Subject.
653377	12/20	Fwds S&A	Naval observatory- vacuum tubes for supply of W
653633	12/20	To Washn	Arlingtion Sta. operation of tube sets W Wash 12/28 Comments on W
654404	12/9	S&A Circular	Crystal detector renewals, No. in stock as of 1922 W
654303	12/20	Scouting Force T	Request BRIDGEPORT be authorized to carry in stock 200 vacuum receiving tubes & 100 transmitting tubes W To Scouting Fleet- WYOMING O-I-C Brook (T) authd 12/21

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Number.	Date.	From or To—	Subject.	
654723	12/23	Phila	Rqsts instructions for motor BE motor buzzer transmitter be furnished W To Phila - Fwds Prints 1/10	
653630	12/21	To C-I-C U S Fleet- Battle Fleet- Comdrs Scouting Fleet- Des Squads Battle Fleet- Comdr dessquads Asiatic Fleet	Fwds vandykes listed W	
653943	12/22	To Virgin Islands	Vacuum tube detector- dispn- survey authd	W

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FILE No.		From or To— (Dated)	Subject.	
633927	from ca d 395		To Washn- design problem 205-A-200-600 meter transmitter fwds photostat 12/16 To Western Elec. Co- comments cc Washn 12/20 Western Electric Co 12/28 Fwds copy of bulletin describing broad casting equipment W Wire Impvt. Co. 11/13 Gives characteristics of receivers. W	
653237	12/16	To Washn	Test of SE-1420- receiver with universal amplifier- rel test of cc Dir commns W	
653994	12/18	Atl Sub Flotilla	T Rqsts 50 CG 1444 vacuum tubes 25 CW 9303 vacuum tubes and 30 CG 1719 bal blanks be shipped at once W	

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653985	12/18	Atl Sub Flotilla	T Rqsts 3 transformers coils for amplifier be shipped at once W To S&A Reqst shipment of mat from Washn to SO N Y 1742 12/19
653752	12/19	To P H- Boston- MI	Fwds instrns booklets- rel remodeling of Mo del "TD" transmitters W To Comdts yards-Stations listed fwds booklets 12/19
654221	12/19	N.Y.	Rwds vandyke showing wiring diagram for model BC motor buzzer. W. To NY- Fwds vandyke 12/22
654206	12/18	Ports CANCELED Sales	Ask if any type SE 1000 B amplifiers have been sold - have located one in private possession. W.

Number.	Date.	From or To—	Subject.	
651965	12/11	To Hon Reed A Smoot	Gives data on Baldwin head telephones W	
652791	12/11	To S&A 1687	Reqst shipment of tubes from Washn to C Francis Jenkins W	
653117	12/14	To Comdt's Yds	Fwds vandykes of radio telegraph W To Atl Fleet- Fwds vandykes W	
653613	12/14	S&A	Fwds telegram from Boston stating 11 sets of 1/2 KW wireless specialty transmitters are available for sale W Fwds S&A 12/22	
653624	12/13	Wash	Gives reasons for rejecting Type 1344 vacuum tubes Manfgd by Western Elec Co W	

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Number.	Date.	From or To—	Subject.	
653656	12/13	Stromberg Carlson Co	Submits quotations covering telephone head sets W	
653807	12/15	Western Elec Co	Submits comments on Western Elec type N vacuum tubes delivered & rejected W	
653943	12/9	Virgin Island	Rqsts authority to ship vacuum tube detector to NY not fit for further use W	
653626	12/19	Navy Sup Depot	Motor generator delivered to N.Y. 12/18 W To Brook- CO (T) rel change mat sheet 12/18	

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Number.	Date.	From or To—	Subject.
652819	12/8	Norf	Vacuum tube code practice set- analysis of design. Fwds prints covering W Norf. 12/29 Fwds plans. W
638575	FWD FROM CARD 398		Pac Fleet 12/2 Fwds letter from CO NY reporting on vacuum tubes W Pensacola 12/14 Request allotment of $304. covg transfer of vacuum tubes W To C-I-C Pac. Fleet- comments 12/16 To Pensacola- Gives instrns rel tube 12/20

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Number.	Date.	From or To—	Subject.	
653260	12/12	Washington	Submits estimate covering addition of two thin shim brass contacts on ballast lamps W To Washn estimates appvd cc navy yard div. 12/21	
~~652376~~	~~card 480~~			
653377	12/12	Naval Observatory	Rqsts two Westinghouse tubes be furnished W Rel Station W	
653456	12/12	Boston	Rqsts print showing send and receive antenna switches W	

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Number.	Date.	From or To—	Subject.
651968	12/4	To S&A 1649	Reqst shipment of tubes from Phila to Washn W S&A 12/19 Copy of action to Aircraft Facty W
651965 card ~~419~~ 420			
652376	12/4	Norf	Design proposed 116 vacuum tubes Code practice set. Fwds prints covering W To Washington- Fwds print 12/13
651917	12/6	To S&A	Crystal detector renewals- reqsts for inform in conn with W
652582	12/6	C.F.Pope	Fwds two vacuum tubes which he has recd. Rqsts authy to bring tubes to Washington personally W To C F Pope - gives inform rel test 12/16 To C F Pope - Fwds cc reply to let of dec. 6 2/7 To C F Pope - will make test cc Washn 2/15/23

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Number.	Date.	From or To—	Subject.
651993	12/1	F.H.Dargue	Rqs s inform on Navy Vacuum tube type CG 1622 W To F H Dargue- gives ratings for direct current 12/9
651170	12/2	To Bu Standards	Development of special short wave amplifier assignment of radio research problem on W
651766	12/2	To Phila	Type SE 1420 receivers- reqstw inform W Phila 12/11 D
652190	12/4	S&A	Copy of letter to M.I. authorizing issue rqsts inform to Wash covering 450 Type 1593-A amplifierstransformers W
652261	12/4	Washington	Rqsts spare transformers be furnished for universal amplifier. W

Number.	Date.	From or To—	Subject.	
3 650938	11/20	Machine Elec Supply Co	Fwds telegram from San Domingo requesting location on w K.W. radio sets for Dominican Government also copy of letter to Marine Corps San to Domingo stating Co cannot find same W To S&A via M.G comdt Marine Corp- Fwds Corres. 11/27, RB 12/11 W Fwds S&A 12/16	
56152	11/23	To Inspr Mat Todd	Remodeling radio compass receivers- Rqsts brief summary covg. status of manfg and delivery of WS	629
650989	11/23	S&A	Copy of letter to Washn. giving revised prices covering traffic instruction sets W	
MI N S A F 548/23	11/29 Fwds MI		Rqn covg.- purchase of tungar rectifier bulbs for shore radio stations W R	

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Number.	Date.	From or To—	Subject.	
650766	11/25	To Comdts Boston-Phila-Norf- CO VESTAL	Fwds instrns for installation and operation of Model "AD" arc W. To Chief Sig. Officer Army- Fwds instrns 12/1	
651496	11/28	Battleship Div 5 T	Rqsts Boston be authorized to issue 12 keys on used material acct. W. To Boston- Div 5 Atl.- gives instrns 11/28	
650878	11/27	To Radiotive corpn	Test of telephones will be authd W	
651615	11/29	Destry Sqd. (T)	Request Boston be authorized to Release motor buzzer set complete for destroyers listed. W. To Squad 9- C-I-C Atl. Fleet (T) Appvd 11/29	

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Number.	Date.	From or To—	Subject.	
650064	11/21	To Dir of Navl Intelligence	Radio patent litigation in england - W	
650066	11/20	To S&A 1547	Reqst shipment of mat from washn to Observatory W	
650678	11/23	Washn	Fwds revised prints of resisters and telephone current Comp. W	
650068	11/22	To Atl-Pac- Fleets	Fwds prints W	

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Number.	Date.	From or To—	Subject.
650733	11/22	GE CO	20 K.W. metal type water cooled pliotron Ewds operating notice and precautions W To Washn- Ask if mat available 11/25 C 56005-629 11/25 RB 12/5 W GE CO 12/20 Rqsts action W
650878	11/21	Radiative Corpn	Calls attention to Co's heavy head receivers W Radiotive Corpn- 11/29 W.
650323	11/23	To S&A	Vacuum tubes- Quantities in stock at various yards and Stations- Reqst for W S&A 12/21 Report on vacuum tubes in store W S&A 1/15/23 Further data. W
650882	11/23	Fischer Manf Co	Ask if bureau desires a two stage amplifier for test W To Fisher Mfg Co- rel price of amplifiers 11/28 Fischer Mach.Co. 11/29 W

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Number.	Date.	From or To—		Subject.
611801	from card 356			To S&A- vacuum tubes- detectors purchased for- reqsts inform rel W 11/11 S&A 11/13 Gives revised prices of vacuum tube deflection W S&A 11/20 Copy action to Yards W
649012	11/11	S&A	1481	Rqsts shipmt of receiver from Norfolk to Washington W1/1 RB 1/26/23 W S&A 12/29 Norf. can locate no redord of receiver from KING W

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Number.	Date.	From or To—	Subject.	
649981	11/17	Bu Standards Lab	Recommends Yard be authorized to construct model of SE-133 Amplifiers W To Washn- Reqsts test of amplifiers cc Bu Standards 11/25	
649976	11/20	To Western Elec. Co	Fwds cc spark set W	
650251	11/17	Atlantic Battleship Force 448-6	Defective type CW 188 vacuum tube surveyed on WYOMING has been fwd to Bu- Report covering W To Atl. Fleet- Gives action taken rel vacuum tubes cc Atl. Pac. Fleets 11/25	

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Number.	Date.	From or To—	Subject.	
56127	11/3	K&C Co	Sample transmittor fwd Fwds report on design & test SW	629
56005	11/6	Inspr GE	High power vacuum tubes not entirely satisfactory. Rqsts instructions SW	629
648736	11/1	M.I.	Gives wiring diagram of proposed receiving set with Monitor control system W Fwds O-I-C Bu. Standards 12/7 Bu Standards Lab 12/18 Comments on proposed monitor receiving system W To MI - gives Instrns 1/6/23	
648797	11/8	Phila	Submits estimate covering repairs to vacuum tubes detector audion control box W	

Number.	Date.	From or To—	Subject.
648771	11/7	Washington	Estimates covering removal Type SE 899 receiver s to type 1899 W To Washn e stimates appvd cc Asst. Dept 11/28 Wash 12/12 W To ashn- Gives Action taken 3/31/23 W
648893	10/29 11/9	W.N.Fanning Navigation	Rests correspondence rel to Galena detector be filed with the records W Fwds Navign 11/18
648012	11/7	Hamp Rds	Submits list of radio apparatus receivers received from various destroyers. Requests disposition of W To Norf- Gives instructions. 11/14 W To S&A Reqst shipment of wave receiver from Norf to Wash n 1915 1/13/23
648719	11/16	To Phila	Disposition of Cape May "TD" Set- CC Phila W

Number.	Date.	From or To—	Subject.
647719	11/1	To S&A 1413	Reqst shipment of break key system from Washn to SO MI W
647722	11/2	To S&A 1416	Reqst shipment of equipment from Washn to SO Boston W
648083	11/2	Chief Coordinator for General Supply.	Rel to proposition submitted by C F Pope covering repair of vacuum tubes at small cost. W To Chief Coordinator for Gen. Supply- Gives Action 11/7 Chief Coordinator 11/8 W
648719	11/3	Phila	Recommends transmitter for Cape May be shipped to Phila for installation at Yard Radio station W

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RECEIVING AND SENDING Number.	Date.	From or To—	Subject.
645457	11/3	To washington	Design problem #72 summary of work done and recomdns W Washington 11/9 Submits estimates W Phila 11/8 Wash 11/17 Weighting instructions on transmitter W To Was n- - manufacture of sets authd cc Dept W K 11/23 To Phila- cc CO'sLANGLEY WRIGHT 11/24 Phila 12/21 Ask when vandykes will be fwd covering tube AC tube transmitter by WRIGHT W
647616	11/3	To CO's listed	Arc transmitter instln of model "AD" - Gives status of s ipment W
647871	11/4	To S&A	Revision in price of Navy Type SE- Receivers in store under supply accoung fund- Ack to be advised action taken W RB 12/2 W Fwds S&A 12/16 S&A 12/20 W To S&A - Reqsts inform 12/23 To S&A - submits recomdns 1/12/23
648088	11/6	To Great Lakes- CO Hamp Rds	Fwds cc Instrns for instln and Operm of Model "AD" Arc W To Fleets- Comdts NP- W Cavite P H- MI Pug Snd- CO PROMETHEUS- Fwds instrns 11/6

Number.	Date.	From or To—	Subject.
646672	10/24	To S&A 1371	Reqst shipme nt of tubes from Washn to Chas F pope NY W C Pope- Ask name of express Co. handling shipt. 10/31 W To Chas Pope- shipment being expedited 11/9 To Chas Pope- satisfy 12/6
647493	no date	R. L. Rodius	Rqsts information rel to sale of radio sets W To Bd S A and sale Fwds corres. 10/30 To L R Rodius- Gives instrns 10/30
578291	from card 325---		To Washn Design problem 155- Model T M A C tube transmitters- W 10/28

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Number.	Date.	From or To—	Subject.
647729	10/28	Westinghouse E/M Co.	Two 250 Watt vacuum tubes submitted for test. W. To Westinghouse- Reqsts characteristic curves be forwarded 11/7 To Washn- Reqsts tubes be tested 11/7 Wash 12/13 Rqsts disposition of Westinghouse tubes gives test on W To Westinghouse- Elec & Mfg Co- gives inform rel tube cc Washn W 12/20 Westinghouse EM Co 1/15 Rqsts action on letter. W
647364	11/1	CO PRAIRIE (T)	HOVEY has type SE 1000 amplifier. W. To San Diego (T) transfer authd 10/30 To CO (T) Transfer authd 11/2 To San Diego (T) Reqsts inform rel amplifiers 11/18
647610	10/31	To S&A 1398	Reqst shipment of receiver from Aug Snd to SO Washn W RB 1/20/23 W
647992	11/1	Western Elec. Co.	Request return of #3-a receivng sets for further test. W. To Western Elec Co Gives comments 11/6 Western Elec Co 11/11 Submits quotations W

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Number.	Date.	From or To—	Subject.	
646330	10/19	Westinghouse E/M Co.	Defective name plates for arc converter sets- request approval of new plates. W.	
645851	10/16	Shipping Board	Fwds letter outlining proposition for repairing defective vacuum tubes. W	771-2
646279	10/21	X 53688 To M1	Modification of type SE 1420 receiver listed vessels based on M 1 are equipped with receivers cc Pac. Fleet W Pac Destroyer 11/5 W	
646330	10/21	X 53688 To westinghouse CO	Equipment name plate proofs appvd CC S&A- Inspr mat Pitts W To westinghouse Co- Gives inform rel change cc S&A Inspr mat Pitts 10/21 Westinghouse EM Co 10/23 Have directed contractors to rush work W	

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Number.	Date.	From or To—	Subject.	
646726	10/23	Washington	Rqsts authority to issue radio head sets to District reserve force W Fwds S&A cc Washn 10/27	
640397	from card	401	Reqst ship ment of amplifier from Washn to SO MI 1349 W 10/20	
646280	10/23	To NL	Radio receivers number in store- requested W New Lond Sub Base- 10/31. W. To N L- Fwds corres 11/9. New Lond Sub Base 11/15 Fwds change of material sheet W	

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Number.	Date.	From or To—	Subject.
645295	10/17	To Boston	Radio receivers- reqsts inform as to exact number of receivers on hand W Boston 10/20 Reports on Radio receivers on hand W
645298	10/17	To Washington	Design problem 212-A design of short wave Driver- W
606545	FROM CARD 349		~~Washington- Fwds prints by messenger.~~ 10/17 W To Wash appvd 10/25 Wash 11/17 Submits estimates W
645457	see card 412		
645517	10/18	To Washington	Fwds copies of specens for acceptance tests of Watt transmitting vacuum tube W

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Number.	Date.	From or To—	Subject.	
629285	FROM CARD 389		Pacf. Destry Sqd. - receivers not revd.	10/12 W
			Pacf. Destry- Will furnish name plate data of receivers when they are received. 10/26 W	
			Pac Destroyer 12/8 Copy action to Rug Snd W	
638505	from card 408		To C-I-C Pt Isabel (T) advise results W	10/18
			Pt Isabel T. Reports on signals heard W	

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Number.	Date.	From or To—	Subject.	
645439	9/28	Radio Corpn	Rel to purchase of aircrft spark transmitter W To Radio Corpn- Gives instrns cc S&A 10/17	
56127	10/12	To Inspr Tacoma	Rqsts status of sample transmitter SW	629
635390	FROM CARD 320		Washington- Subm estimates. 10/13 W. Wash 10/26 Fwds special report on tests of 2 KW arc W To Washn- Reqsts proper action be taken 11/7	

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Number.	Date.	From or To—	Subject.
638508	FWD FROM CARD 399		To Comdt 9th Dist Great Lakes- T Sept. desire test also determine range TD set compared with that of 30 KW arc. 10/12 W Bar Harbor- (T)- W Chasn- 10/16 W (T) New Orln- (T) 10/16 W. (2) 7th Dist- 10/16 T- W. 9th Dist- 10/16 T- Report on audibility W To 9 Dist (T) will transmit test using both tube arc simultaneously during whole period of test cc Dir Commns 10/14
		card 409 (T)	To C-I-C Pt Isabel-Tex; New Orleans- Key West- Chasn- Washn Bar Harbor (T) observe broadcast test transmitting as listed cc NO K W- Was Bos 10/14
645291	10/13	To S&A #1306	Rqsts shipmt of matl from Wash to Annapolis W RB 11/23 W
645932	10/16	Ports	Model TE vacuum tube transmitter- fwds print/ W. 902 Ports 11/10 Relay and contacts circuit motor TE vacuum tubes transmitter - Fwds prints W
645938	10/16	Wireless Specialty Apprs.Co.	Fwds copy of letter in reply to inquiry from Hitner Sons Co. on Navy type receivers. W. To Wireless Spec. Apprs Co- attitude appreciated 10/27

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Number.	Date.	From or To—	Subject.	
643723	10/5	To S&A	Traffic instruction sets recommended price, revision of- W S&A 10/12 W To S&A- Reqsts action taken in regard to disposing of manhattan elec. supply Co sets 10/20 S&A 10/23 Instruction sets installed. S&A 11/10 W	
640069	from card 402		To Norf (T) one motor gen and spares received W 10/4 Norf- (T) Material shipt 10/6. 10/10 W. To Norf (T) Ask status 10/9	
644106	12/11	To NY	Ny coupled circuit for "TD" Set- - gives Inform rel instln W	

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Number.	Date.	From or To—	Subject.
644537	10/4	Nathanial Baldwin Inc.	Request data on test with various telephone receivers manufd in U.S, and foreign countries. W.
644715	10/7	C. W. Eveland	Request title sheets be furn cov SE 1420 receivers. W. To C W Evelans- Reqsts detld inform 10/11 C. W. Eveland- Submt information rqsted 10/14 W To Charles W Eveland- Gives inform 10/21
644753	10/9	H. G. Neubrand	Request E. J. Simon instruction book. W To H.G.Neubrand- Returns postage 10/14 W
645110	10/10	I. T. Pope	Calls attn to Co's process for repairing defective vacuum tubes. W. To Chas F Pope- Will be please to have process demonstrated 10/17 Chas. F. Pope- Explains request in detail 10/18 W To Sec War (Sec Sig) Gives action taken 10/17 To C F Pope- Reqsts data 10/27
644693	10/10	To S&A #1253	Rqsts shipmt of material from Washn to P Harbor 10/10 W RB 4/19/23 W Pearl Harbor 2/9 Report on statusof shipment. W
645058	10/12	To S&A #1291	Rqsts shipmt of transmitter from M.I. to Ports. W M.I. 11/21 Transmitter not in stock W Fwds S&A cc MI 12/2

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Number.	Date.	From or To—	Subject.	
643188	9/29	To S&A 1158	Reqst shipment of tubes from Washn to SO Hamp Rds W RB 1/13/23 W	
643463	9/22	Pac Fleet	Request 12 - CW 1344 tubes be furnished for experimental work W To S&A Reqst shipment of apparatus from Washn to CO 1186 10/3 RB 1/15/23 W To C-A-C Pac. Fleet- Request for Vacuum tubes 10/10	
643536	9/25	Pac Fleet 494	Fwds request from various vessels covg CW 1818 vacum tubes W	

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Number.	Date.	From or To—	Subject.
643272	9/30	To S&A 1169	Reqst shipment of receiv rs from Washn to SO Hamp Rds W Norf 9/8 Gives informW
643366	9/27	Anacostia	Comments on experiments with extremely short waves. W.
643190	9/29	To O-I-C Hamp Rds (T)	For Senior destroyer officer receivers for HATFIELD, ILM R FOX KANE MCFARLAND OVERTON KING BARRY AND GOFF arrive sat. morning. Oper base requested to deliver without delay. gives disp of old long wave receiver W
643270	9/29	To O-I-C Hamp Rds (T)	Radio mat for des sailing Turkish Waters covered by bladings arrive9/30 by Washn boats gives instrns rel mat W

Number.	Date.	From or To—	Subject.
643271	9/30	To S&A 1168	Reqst shipment of tubes from Phila to Anacostia W RB 1/13/23 W
643530	10/3	To S&A 1185	Reqst shipment of tubes from MI to CO W RB 11/4 W
644080	10/4	Capitol Phonolier Corpn	Fwds pamphlets describing all wave coupler. W. To Capitol Phonolier Corpn- Bu has no need for a paratus 10/11
634607	from card 395		To GE Co- gives action taken rel life guarantee clause cc Washn yard W 10/4 To Western Elec Co- Reqsts comments 1/6

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Number.	Date.	From or To—		Subject.
643273	9/30	To S&A	1179	Reqst shipment of arc chamber from Chasn to S. Washn W RB 10/31/22. W. To S&A Reqst shipment of arc chamber from Washn to S. Chasn 1373 10/26 Chasn. 2/16 Air chamber recd Feb. 6 W
643366	10/4	To CO Anacostia		Assignment of Radio Research Problem W
643279	10/3	To S&A	1184	Reqst shipment of apparatus from Washn to S. P. W. Feb. 9 Reports on receipt of shipment of receiver W S&A 3/3 Copy action W P.H. 3/26 Reports receipt of one receiver W
643720	10/24	14th District		Rqsts prints and instructions for installation of radio equipment be furnished W X 88-0-6 To P H- Gives Action taken 11/15 cc MI

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Number.	Date.	From or To—	Subject.	
641277	9/18	To Sec of War	Fwds print rel battery charging panel for use in Editing office by Chief Signal officer W	
643064	9/25	Atl.Batlshp Force	Request instructions covering disposition of burnt out amplifier transformers and replacement of. W.	
643114	9/26	General Radio Co.	Will build special 2 step amplifier for $1500 W.	
642079	9/27	To Washington	Fwds print rel vacuum tube transmitter W	

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Number.	Date.	From or To—		Subject.
642083	9/27	To S&A	1145	Reqst shipment of tubes from Washn to SO Annapolis W RB 10/31 W
642510	9/28	To S&A	1155	Reqst shipment of drc set from NY to SO Hamp Roads W RB 10/13 W.
642511	9/28	To S&A	1156	Reqst shipment of ~~as~~ Radio set from GE Co to SO Hamp Rds W RB 1/27/23 W Hamp Rds 1/27 Ask what disposition to make of apparatus returned by Turkish Detachment W To Hamp Rds- Gives Instrns rel examination of material 2/5/23 RB 2/28 W To S&A Reqst shipment of transmitter from Hamp Rds to Washn 2383 3/13/23
642512	9/29	N.Y.	(T)	Report on radio apparatus for destroyers. W To NY (T) gives inform rel instln of receivers 9/28
643356	9/19	Wonder State Crystal Co.		Fwds samples of Wonder State crystals. W To Wonder State Crystal co- Ack receipt of crystals W 10/40

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Number.	Date.	From or To—	Subject.
640826	9/14	To S&A 1045	Reqst shipment of tubes from Washn to Brook W RB 11/18 W
642511	3/2/23	To S&A 2300	Reqst shipment of transmitter from Hamp Rds to SO Washn W
641786	9/11 9/15	Birmingham Escadrille Navigation	Request audion receiving set and amplifier be furn. W. ~~To Maj. J. A. Meissner impossible to issue set 9/20~~
641649	FROM CARD	402	N.Y. 9/19 W. N.Y. 9/22 W. To NY (T) Reqst reply 9/21m 9/21 To S&A Reqst shipment of spark gap from NY to SO Fug Sm 1126 9/23

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Number.	Date.	From or To—	Subject.
641689	9/19	To Pensacola	Fwds Instrn Pamphlet W To Comdts Washn- Norf- Districts- listed- O-I-C San Diego Comdt Boston Fwds instruction pamphlets 9/27
642382	9/16	To James Mahoney- J. S. Creed	Fwds description of Co's apparatus covering automatic telegraph printer. W. To J S Creed- Reqsts report on demonstration 9/23 To Jason Creed- Reqsts catalog 9/30 J. S. Creed- Fwds description of Creed automatic telegraph system. 10/4- W. N.Y. 10/7 - W. To Mr. Jason S. Creed- Rel to purchase of a apparatus 10/12 W J.S.Creed 10/25 Fwds credited price list W
642674	9/20	N. Baldwin	Request information rel to experimental work performed on Baldwin phones. W. To Nathaniel Baldwin- Req Gives comments and instrns 9/29
642880	9/14	Klienschmidt Elec.Co.	Fwds photo of their Bar Tape Printer. W. To -- Ask if consideres submitting sample printing tel. equipment for test W 9/28 To -- Comments 1/6

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Number.	Date.	From or To—		Subject.
640970	9/6	M. R. Hutchison		Radio receiver packed and shipt to Bureau. W M. R. Hutchison- Receiver shipt by express to Washington. 9/15 W.
641043	9/8	J.W. Maloney		Request specifications cov receivers. W. To J R Maloney- specens are no longer available 9/20
640069	9/8 card 407	To S&A	1033	Reqst shipment of transmitter from Norf to Washn W RB 10/31. W. Norf- (T)- Motor generator shipt to Washn 9/28. 10/3 W Norf- (T) Will ship one 10 KW motor generator to Western Elec. Co. at once. 10/5 W Norfk motor generator shipt to Washn. 9/28. 10/4 W
640613	9/8	To S&A	1031	Reqst shipment of condenses from MI to SO P H W RB 11/13 W
632917	FROM CARD	393		Amerc. Radio News Corpn. Will furnish report cov brass used. 9/11 W N.Y. 9/20 W. Amer Radio News Co. 12/28 W

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Number.	Date.	From or To—	Subject.
640825	9/14	To Washn	Design problem No 2070-Test of Miscellaneous Commercial equipment-reqsts report of test W. Washington- Subm report on test with asking recommendations. 11/2 W
641547	7/31	Washington	Estimates cov remodeling of type SE 1617-A amplifiers into SE 1617-D. W. To Washn estimate appvd 9/30 cc Asst. Dept-S&A 9/30
641549	9/15	Pug.Sd. (T)	Request immediate shipt of bushings for Lowenstein Co. quenched spark gap. W. To Ni (T) Ask if bushings available for shipment 9/16 To Pug Snd (T) Ask if yard can manufacture bushing required 9/16 Pug.Sd. (T)-Manufg of requirements of Lowenstein quenched gap bushings will be undertaken at yard. 9/19W
TO CARD 403			
623089	FROM CARD	379	Anacostia- Recommends tubes be tested in and aircrft transmitter. 9/13 W. GE Co 10/19 W GE Co.- Gives constance of samples recd from CLEVELAND. 10/28 W GE Co.- 17 samples submitted. W. 10/27 GE Co.- 11/1- (T) Co's representative can bring sample receiving tubes 11/3. W To GE Co (T) Agreeable Warner discuss tubes Friday 10/31 GE Co 11/18 Fwds prints asking if Bureau desires to assign type number W To Washn- Fwds mem on specens 11/23 To GE Co- will forward comments 11/23

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Number.	Date.	From or To—	Subject.
640250	8/30 m	Mare Isl.	Request descriptive books cov Lowenstein 1/2 KW radio transmitter. W. To MI.- Fwds booklet 9/7 W
5 640308	8/31	1st Dist.	Request Boston be auth to issue 3d Battalion Naval Reserves Vacuum tubes. W. Fwds Boston via S&A 9/14
640298	8/28	Great Lakes	Request 50 vacuum tubes be furnished. W. Fwds- S&A 9/14
640397	?	Mare Isl.	Fwds copy of report on flash exhaust test type SE 1444 vacuum tubes. W. To MI-- Gives Status of shipment 9/19 To MI- Reqsts status of amplifier 9/22 Mare Isl- Request 3 radio frequency transformers be fwded. 10/3 W.
		see card 410	
640421	8/25 9/5	Mare Isl. Washn.	Request vandyke of vacuum tube specifications be furn. W. Fwds Washn 9/7 W

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Number.	Date.	From or To—	Subject.	
640567	9/6	Washington	Request auth to manufg anode tips and renewals for stock. WRS. To S A- Gives instrns- submits estimate 9/23 S&A- Copy action to Wash ngton. 10/3 W S&A- Copy action to Washington- 10/30 W S&A 11/7 Copy action ot Washington W Washn 11/16 W S&A 11/21 W	
633926	FWD FROM CARD 395		To Comdt Washn- Further detls to be given later 9/7 W To Washn- gives authy to make changes Washington- Recommends research Labr. personnel, measure antenna constance of battle ships. 10/13 W Washington- Gives probable date of completion. 10/17 W To Washn- Gives Action taken 10/19	10/5
640929	9/8	Bureau Stand.Labr.	Report on test of 500 Watt AC tube transmitter from SHAWMUTT. W.	
640867	11/16	Washington		

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Number.	Date.	From or To—	Subject.	
638698	8/25	To Washn	Design Problem #69 -Radio Receiving Tubes- Test of Westinghouse Dry battery Tube- Fwds performance curve W	
638699	8/25	To Washington	Radio Telegraph Design Problem #66- Radio Transmitting Tubes- Test of Mullard Valve- Fwds sample W To John Firth Co-Inadvisable to carry out tests 8/31 W Jno. Firth & Co.- Can witness test week of 9/11 9/5 W To Washn- Fwds characteristic curves 9/11 To Washn- gives action 1/13/23 To Washn- Gives action taken rel test 1/16/23	
639454	8/25	GE Co.	Test set for testing vacuum tubes- recommendations cov circuits and apparatus necessary - will be fwded. W. GE Co - Subm quotation 10/14 W To Inspr mat GE- Gives Inform 11/1 RB 11/8 with comments D GE Co 12/22 Submits quotation W	
	card 425			
639476	8/5	S&A	Copy of letter to Phila. authorizing sale of 5 KW spark transmitter removed from OHIO. W	
639863	8/22	Mare Isl.	Fwds suggestions from G. T. Royden cov mechanically tuned repeater. W. Fwds Co Anacostia 9/15 RB 9/21 W. To MI- Gives action taken 9/23	

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Number.	Date.	From or To—	Subject.	
638701	8/29	To Comdr Des Squads Atl- Pacific Fleet	Destroyers not equipped with Edison Radio Sto age"B" batteries W 882-1 Pacf.Destry- Lists destroyers and batteries on board 9/7 W Batleship Force- 9/15 W Pacf.Destry Sqd.- Vessels not equipt with B batteries.9/7 W. To S&A Reqst shipment of batteries from Washn to Boston 1345 10/19	
638916	8/29	To C-I- & Pac Fleet- Comdr S&A W	Vacuum tubes Type CW 1818-Requests for- Atl.Battlship Force 9/1 W	
55508	8/31	Washington	Report on test of sa ple amplifier submitted by K&C Co SW	629
640143	9/1	Washington	Fwds drawings cov transformer of choke coil. W	
638696	1/13	To Washn	Receiving tubes- test of GE Miniature tubes- W Wash 3/7 Fwds copy of reply dated 2/14/23 W	

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Number.	Date.	From or To—	Subject.	
639203	8/22	L. C. F. Horle	Ask if can apply for pattent thru Navy cov radio frequency amplifier windings. W. To L C F Horle- gives inform 8/28 To Mr. Lawrence C.F.Horle-Desirable that license be on file 9/5 W	
639273	8/24	Anacostia	Diagram of multiple reception circuit- fwds with report cov. W. To CO Anacostia- Reqsts results of test	9/11
639292	8/25	Washington	Fwds vandykes and prints cov revised type SE 1834 amplifier. W. To Natl Elec Cup Co- Fwds drawings on amplifiers 9/2 W	
639315	8/7 8/21	14th Dist/ Mare Isl.	Request instruction books in conn with CE 861 radio transmitters be furn. W To Comst P H Fwds Panel transmitter copies 8/31 W	
639922	9/1	To S&A $1003	Rqsts shipmt of vacuum tubes from Washn to Annapolis W RB 11/11 W	

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Number.	Date.	From or To—	Subject.	
638858	8/16	W Houghland	transmitting vacuum tube purchased from Navy - gives results obtained with. W. W. M. Houghland- request databe furn. 8/28 W To Mr. W. Niederlander Houghland- Navy has no responsibility in re-sale of tubes 9/6 W To Hougland- gives inform rel tubes 9/9	
638992	8/23	N.Y.	Recommends cable transformers be purchased and held in store for replacing defective ones: W To Comdt N.Y.- Rqsts NY Yd sub reqst 9/7 W cc Comdt Washn S&A	
7 638805	8/23	To Inspr mat GE	Fwds Plans in connection with- vacuum tubes W 56275 To Inspr mat GE gives inform rel plan 8/26 Inspr GE- Request specifications be fwded. 8/25 W To Inspr GE Co- Fwds drawings 9/7 W	
5 638508	8/23	To Washn	Performance of Model "TD" set- reqsts comments W 9th Dist- (T) Tests held 10/3. W. 10/2 To 9 Dist (T) Expedite report cov. instln. 9/29 9th Dist- (T) Suggest some Atl.Coast Station listen for test. 10/13 W.	
FWD TO CARD 408				
639132	8/24	Washington	Estimates cov remodeling 2 stage audio frequency amplifiers. W. To Comdt Washn- Reconditioning of frequency amplifiers 10/14 W Wash 10/20 Gives job order number covering recondition frequency amplifier W	

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Number.	Date.	From or To—	Subject.
637917	8/16	Dept Commerce	Ask if can purchase transmitting sets for use of radio inspector at Frisco. W Fwds S&A 8/22 To American Radio News Corpn- Reqsts report on result of tests 9/19
637461	8/16	To J W Davies	rel manufacture of vacuum tubes Reqsts sample W
637805	see card ~~400~~ 399		
638062	8/17	Washn .	Fwds vandykes showing choke coil for tube transmitters. W.
638124	8/16	Cmdr. A. B Reed	Contracts let for receiving sets using new universal amplifier have resulted in saving of $11,000. W
637270	8/15	To S&A 902	Reqst shipment of receivers from Phila to SO Washn W RB 10/31/22 W Phila. 10/12 W. To Phila via S&A- rel shipment of receiver 10/17

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Number.	Date.	From or To—	Subject.	
638201	8/18	New York	Request prints showing 1/2 KW spark set with R-A receiving equipment W To NY- Fwds Vandyke 8/24	
638423	8/17	Wolf Milling Co.	Ask if Navy vacuum tube will work on radio Grebe -CR-9. I W. To- Gives Inform rel 8/25	
42141	8/19	To NY	Estimate for repair and Testing Model "AD" arc transmitters- estimate approved WS	629
638575 FWD TO GARD 419	8/17	AtlBattleship Force	Request Bureau instructions cov disposition of surveyed vacuum tubes. W. To S&A- Reqsts listed be substitutedfor S&A circ. let #12 1/20/21 W 10/4 S&A Circ- Corrects previous letter cov title and disposition of vacuum tubes. 10/6 W S&A Circ- Rqst letter 1/20 be cancelled. 10/6 W	
638877	8/12	N. L. Kruysman	Request information rel to instln of high power vacuum tube transmitters on Panama Canal Floating equipt. W. To N L Kruysman- gives inform 8/25	

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Number.	Date.	From or To—	Subject.
637302	8/11	Washington	Fwds revised drawings of universal amplifiers.W
637461	8/10	J/ W. Davies	Fwds sketch showing an improved vacuum tube. W.
637134	8/12	To S&A 866	Reqst shipment of Receivers from Ports to Washn W RB 10/31. W.
637140	8/12	To S&A 871	Reqst shipment of tubes from washn to Radio Va W
637648	8/14	Western Elec. Co.	Are using copper plated finish on head sets of receiver magnets instead of asphalt painted finish. W. To Western Elec Co- appvd cc Washn- Inspr mat NY 8/28
637135	8/12	To S&A 867	Rqsts shipmt of receivers from Norfolk to Washington W RB 10/31. W.
637136	8/12	To S&A 868	Rqsts shipmt of receivers from Boston to Washington W

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Number.	Date.	From or To—	Subject.
637137	8/12	To S&A 869	Rqsts shipmt of receiver from Chasn to Washington. W RB 10/31. W
637265	8/15	To Comdt New York	"A" battery charging unit in store at Norf. W N.Y.- Ask when and how rectifier for San Juan will be shipt. W. 920-4 10/2 To S&A Rqst shipment of Rectifier from Norf to San Juan 1203 10/5 RB 1/30 W
622042	FROM CARD 377		Mare Isl- Fwds copy letter from CCS rel to request for apparatus by Aerial Coordinator Frisco, for Public Health Service. 8/9 W 920-15 Fwds Dir Commns 8/26 RB 8/31. W. Fwds San Diego via Dir Comm- Pac Coast Comm- Suptg- Comdt MI- Gives inform rel instln W 9/23 cc MI 9/23 RB 11/6 W Fwds Dept via Dir Commns 11/10 cc MI- Pac. Coast Comm Supt.- 11 Dist- Pac Fleet 11/10 RB 11/17 W To MI (T) Establishment Union monitor system authd cc P H- Pac Coast Comm Supt. 11/23 4th District 12/6 T Rqsts instructions W To MI- 12 Dist (T) Gives action 12/7

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Number.	Date.	From or To—	Subject.	
635814	7/27	L. C. F. Horle	Radio frequency amplifier which he developed while at Washington Yard- request correspondence and sketches cov in conn with patents to be requested by some English concern on type of winding for. W. To L C Horle- Gives Action taken 8/4 To Washn- Gives Action 8/4 Washington- Fwds photo and copies of correspondence 8/24 W.	
635928	7/31	War Dept	Request fwd prints showing Navy Universal amplifiers W	727-1
547204	from card 308		To Washn Dorsey High Voltage system- manufacture authd W 8/3	

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Number.	Date.	From or To—	Subject.
624443	FROM CARD 382		Newport Naval Hosp. Ask if material has been located. 8/3 W. To C-I-C Brook- Comdt Norf- Reqsts inform 8/14 Navy Supply Depot 8/8 List charging panels & spare parts boxes available W Norf- Lists batteries and charging panels on hand. 8/18 W To Newport- Spare box cannot be furn 8/30 W cc Boston. #976 To S&A Rqsts shipmt of matl from S Brook to Boston 8/31 W
636204	8/7	To Washn	Special spare parts for Model E F G M and R Recg equipment- Stock of- Recommendation of W see 167-6 Washn- Recommendations cov special spare parts for receiving equipt. W. 8/15
636770	8/8	F. H. Dargue	Request reading of Navy vacuum tube plitrons. W To Frank H. Dargue- Satis as receiving tubes 8/15 W RB 8/25 W To F H Dargue- Gives Inform 9/21
636900	8/9	Jno. Firth & Co.	Fwds copy of report covering work done in conn with arc transmitters - ask if can suggest any material to take place of bakelite. W To John Firth gives Inform 8/12 Jno. Firth & Co.- Request requisition be fwded. 8/17 W

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Number.	Date.	From or To—	Subject.	
633926 FWD TO CARD 401	7/25	To Washn	Design problem No 205 Design of 100 Watt short wave Transmitter Gives Instrns W Washington- Minutes of conference held at radio test shop on design of 100 Watt short wave transmitter. 8/28 W To Comdt Washn- Short wave transmitter to be used 8/31 W	
633927	7/25	To Washn card to 421	Design Problem No 206A Receiver for short wave lengths (200-600 meters). Gives instrns W To Washn- Fwds data 10/18 To-- GE- Western Elec Co- Wireless improvement Co-- Gives requirements Bu desires short wave radio recr to meet 10/28 GE Co 11/7 W	
635064	7;27	Washn.	Failure of type CG 1353 vacuum tubes- report cov . W. To Washn rel miscellaneous cont based on by rqn covering new or special radio material 8/2 see 55683 X W S Washn Fwds copies of correspondence. 8/15 W	
635068	7/27	Washn.	Estimates cov manufg of adaptors for vacuum tubes. W To Washn Estimate appvd 8/18	
633930	7/26	To Comdts yards-Stations listed	Improvements to Model "TD" Tube Sets- modification of W	

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Number.	Date.	From or To—	Subject.
634607	7/28	To GE Co. Western Elec Co	proposes to insert the listed requirement in all specens covering transmitting Vacuum Tubes Reqsts comments W GE Co. 8/19 W Western Elec.Co.9/19 Suggestions W. G[illegible] Co. - Subm comments requested.9/23 W
	card 406		To Washm- Fwds corres 10/4
634608	7/28	To S&A 794	Reqst shipment of equipments from Phila to SO N Y W RB 8/24 W
634930	7/29	To Phila	Radio Arc Set- Status of Reqsts inform W Phila 8/3 W
634932	7/31	To S&A 811	Reqst shipment of mat from Phila to Air Squad Pac Fleet W RB 1/18/23
635556	7/28	Anacostia	Reception of AC tube transmitters- fwds curve showing results. W. Fwds Washn 8/26

Number.	Date.	From or To—	Subject.	
600787	FROMCARD 341		Washn- estimated cost: 7/17 W To Washn estimate appvd cc Asst Dept 8/4 Washn- Request material be manufd on title 2 regular monthly allotments. 8/10 WK To Washn manufacture of authd 8/25 To Washn- Ask what spares parts were furn with model TM sets. 11/1/24. W. Cross S67/43.	
633594	7/17	American R/R Corpn	Request return tube showing hole burnt thru top of carbon cup due to electron emission. W. Fwds Bu Standards 7/28 RB 8/1/22.W	
633215	7/17	Washn.	Fwds vandykes of test buzzer control switch primary coupling coil and specifications for vacuum tubes. W.	876
633332	7/20	To Comdt Pug Snd	Status of Radio receivers. W Pug.Sd. 8/2 W	

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Number.	Date.	From or To—	Subject.	
633491	7/21	To Washn	Special duplex transmitting and receiving System Request for comments on cc Washn- O-I-C Bu of Standards W Washn- Subm comments. 7/31. W	
633698	8/22	To Inspr machy NYS- Phila- FR	Fwds Plans W	
633924	7/24	To Washn	Design Problem No 69 Type C W 1344 recg Tubes- Reqsts estimates and comments W	
634633	7/25	1st Dist T	Rqsts authority to issue radio transmitter Springfield Mass W 1st Dist. 7/27 W To Boston (T) Auths issue of transmitter 7/26	

Number.	Date.	From or To—	Subject.
632215	7/6	Mare Isl.	Fwds letter from G. T. Royden, Radio Labortn. submitting scheme for high speed reception. W. Fwds CO Anacostia 10/30 RB 11/7 W Fwds MI 11/10
631901	7/13	To CO Lake	Design Problem No 2- Test of Model TE transmitting equipment W S To CO S-48-51 inspn not neccy 8/4
632631	7/5	Shipping Board Sales	Vacuum tubes- Radio Corpn has agreed to sell improved type for commercial use. W To U.S. Shipping Bd-Satis 7/15 W
632733	6/12 7/14	Pearl Harbor Aviation 852	Test with experimental low power CW tube transmitter - report cov with print. W. To CO P H- comments cc Aeronautics, Navign 7/21
632280	8/8	To S&A	Payment of filing fee of $20.00 on application of Wendell L Carlsen W R

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Number.	Date.	From or To—	Subject.
631901	7/14	To CO Lake	Gives Inform rel test of Model TE transmitting equipment W
631904	7/12	To S&A 656	Reqst shipment of tubes from Washn to Inspr FR W
631907	6/12	To S&A 689	Reqst shipment of tubes from Brook to SO MI W ~~RE 7/~~ S&A- Navy Sup Depot request cancellation instructions 7/22 W Fwds S&A cc MI- O-I-C Brook 7/28 S&A 8/8 W
632917	7/8	American Radio News Corpn	Have developed high speed system- request permission to use Sayville Sta. for test. W. To Amer Radio News Corpn- Reqsts description 7/18 W American Radio News Corpn Sketch showing apparatus needed for instln at Sayville 7/22 .W To NY- Reqsts report be submitted upon completion of work covering results neccy with Recomdns 8/2 To Amer Radio News Corpn- Reqsts data cc NY 8/2
TO CARD 402			
633112	7/15	Dept Agriculture	Request loan of receiving sets and other apparatus for transmitting crop and market reports. W. (See Sig.) To Hon Dept Agriculture-Ack letter 7/25 W Dept Agriculture- Will advice when equipt is available 8/7 W Dept Agriculture- Request amplifier be furnished 8/16 W To Hon Sec of Agriculture (Asst Sec Sig) impossible to loan amplifier 8/19

Number.	Date.	From or To—	Subject.	
631164	7/6	To S&A 654	Rqsts shipmt of transmitting set from New York to New York W	
		896	To S&A- Rqsts shipmt of generator from Boston to NY 8/15 W	
			Boston- Copy action to Western Elec.Co. Western Elec.Co.- Returns copy of shipt order 8/15. 8/29 W.	8/22W
631165	7/6	To S&A 655	Rqsts shipmt of transmitting set from NY to NY W S&A 7/24 Copy of action to NY W	
631729	4/11	Veterans Bureau, Phila	Request loan of radio receiving outfit for vocational training. W. To L.E. Haan- Impossible to loan apparatus 7/12 W	
631774	7/8	Communications	Fwds copy of letter from Shipping Board rel to purchase of vacuum tubes from Radio Corpn of America. W.	
631762	7/7	Washington	Policy and specifications for transmitting vacuum tubes -determination of most suitable 250 Watt tube for naval use. W.	

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Number.	Date.	From or To—	Subject.
631952	5/16	Cdr. S. C. Hooper Sales	Vacuum tubes which cannot be used by Navy will be sold- high bid of $3.02 each received. W.
610979	FROM CARD 356		Washn- Recommends model set be completed. 7/7 W. Washington 8/11- Fwds vandykes. 8/11 W Wash 12/4 Suggests test be carried out after installation of first set on board WYOMING W To Washn- instrns cancelled 12/16
Bu 96 N S A F -22 W R 7/10 To S&A			Vacuum tubes for Stock- recomdn of award W R

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Number.	Date.	From or To—	Subject.	
630376	6/28	Boston	Report stock of vacuum tubes. RW.	689-1
630737	6/29	Frk.B. Perry & Sons.	Fwds radio blinker recvg set for trial.	W.
630724	6/28	GE Co.	Fwds copy of advertisements for vacuum tubes- states is a reason against sale of. To 3rd Nav Dist- Essential for tubes to be sold in accord with agreemt 7/3 W cc 3rd Nav Dist RB 7/12/22. W. Fwds S&A 7/5 W To Mr. A.G.Davis- 7/3 W To S&A- Rqsts paymt of filing fee 7/26 W To GE Co- Fwds inform 7/27 W	W.
630570	7/3	To Gen Elec Co	Representatives being sent to investigate radio receiver design. W To West Elec Co- Sending representatives for inspection 7/3 W GE Co. will send representatives . 7/6 W To GE Co- comments 7/13 To Western Elec Co- 7/13	
630432	6/30	To S&A 626	Rqsts shipmt of Batteries from San Diego to M.I. W	

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Number.	Date.	From or To—	Subject.
630436	7/3	To USS MELVILLE	Rqst for survey of Radio Amplifiers. W
630438	7/3	To S&A 635	Rqsts shipmt of Radio matl from Wash to Boston. W
631291	6/27	D. H. Gray	Ask hook up of receiving set fitted with crystal detector. W To S&A Fwds letter 7/12 W To E.H.Gray- Fwds letter 7/12 W
631481	7/6	Bur Standards	Request 6 transmitting tubes for test purposes. W. To Secy Commerce- Will furn 7/13 W cc S&A Wash.
631163	7/6	To S&A 563	Rqsts shipmt of transmitting set from Camden to New York. W RB 7/29/22. W. Inspr NYS- (T) 10 KW set for SARATOGA not recd. 7/10 W. To S&A Reqst shipment of transmitting set from NYS to SO NY W 693 To Inspr Camden- T- Approve substitution WASH ten kilowatt set 7/11 W

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Number.	Date.	From or To—	Subject.	
629432	6/22	Bureau of Standards (Sec Sig)	Ask if can secure C.G.#1162 transmitting tubes for experimental work W To Secy of Commerce Radio vacuum tubes can be supplied at approximate cost of $2.65 each. 6/29 Fwds S&A 7/25 Fwds S&A 8/1 Bureau of Standards 7/25 W	
589084	from card 331		To Washn- improvements to high speed keys- manufacture of parts apptd W 6/23	
628741	6/23	To Inspr machy Lake	Vacuum tubes- Operation of-- W	
629937	6/30	To Norfolk Work on	Audio instruction set practically completed. W Norf 7/17 W To Norf- calls atten to problem- 10/17 Norf 10/25 W Norf 11/10 Will expedite problem W	

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Number.	Date.	From or To—	Subject.
629553	6/19 6/23	Naval Hosp Norfolk M&S	Request loan of a standard set W Fwds Norf 6/29 RB 7/14 W To Comdt Norf- Auths loan 7/19 W cc M&S Norf.
629378	6/26	To Comdt Cavite	Fwds vandykes on Radio Telegraph. W W Cavite- Lists vandykes recd. 8/4 W
629540	6/24	To S&A Pon 583	Reqst shipment of Amplifiers from Ports to SO Washn W RB 7/24/22. W
630141	6/27	S&A To Chasn- reqsts for inform 8/23	Audion bulbs type GG 886 - asks if sale of is approved by Chasn. Yard. W. Fwds S&A 7/3 W Chas 10/24 Asks what disposition to make. W To S&A Reqsts list of types of tubes in store 11/3 S&A 11/8 Fwds list of vacuum tubes on hand W Chasn 8/3 Asks if any further instrns W
630140	6/26	S&A	Fwds request from Lt. R. C. Mulnix rel to purchase of radio transmitters from Navy. W.

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Number.	Date.	From or To—	Subject.	
628494	6/16	Am Radio & Research Corpn	Reports returning of telephone transmitter to Boston. States transmittors could not be kept in condition by inexperienced amateur W	
		CANCELLED		
628563	6/16	Ports	Request expedite delivery of vacum tubes Fwds Washington 7/3 R	W
628778	6/19	Washington	Redesign of anode tips for 100 KW arc sets. Fwds prints with recommendations	W
629285	6/9 Pug Sd 6/15	Pac Res	Receivers received for destroyers out of commission. Request be invoiced to S.O. & placed in stock W	
TO CARD	409		To Pac Fleet- Approves suggestion 7/6 cc Wash Pacf Destrs 8/30	W
4—3381			To Pac Fleet- Reqsts names of vessels from which receivers were removed 9/11	W

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Number.	Date.	From or To—	Subject.
628835	6/5 6/15	CO WYOMING Atl Fleet	Report on operation of 50 watt filament vacum tubes W
628881	6/19	Ports	Ask if can remove vacum tubes from radio telephone in stock for issue W Ports- Request reply to letter 6/19. ? W To S&A- Advises stock be replenished 7/15 WRS cc Ports To S&A-Replenishmt of 7/15 WRS
629144	6/21	Phila	Status report on 1/2 KW transmitting sets on hand W S&A- (T) Circ to Yards directing all 1/2 KW transmitting sets now under NSA be drawn and charges to Engineering before 7/1 W To S&A-- status 6/27
629312	6/20	Signal Corpn	Fwds preliminary report on Navy type S-E 1834 amplifier W Fwds Washn 7/22 RB 8/7 W

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Number.	Date.	From or To—	Subject.	
628338	6/15	Hammond Laboratory	Intra Fleet transmitting & receiving sets Co can live up to specifications W	
530418	from card 307		To C° Annapolis Design Problem Arlington radiophone set- gives inform Co. Washn W 6/17 619109-741	cc Washn

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Number.	Date.	From or To—	Subject.	
627843	6/14	To S&A 502	Regst shipment of Tubes from Washn to SO Anacostia to SO Anacostia W	
628067	6/15	To New York T	Ask if practicable test model AR arc 1st part coming week W NY 6/16 T. Ready for test June 22 W	
628431	6/16	S&A	Vacum tubes: gives list of those on hand in various yards & Supply depots. Request instructions for selling W To S&A- Submits Recomdns 7/22	

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Number.	Date.	From or To—	Subject.	
627708	5/27	Lt.B.H.Mack	Fwds sketch showing conn for operating arc set with damped oscilation through a grid. Ask is experiments have been made W	
627756	5/24 6/12	Ports Washington	Ask when shipment of vacum tubes will be made W Fwds Ports 6/23	
627360	6/12	To Washington	Patent on vacuum tube apparatus-Request for inform W Bur Stand Labr- Comments on patent· 7/10 W	
627794	6/12	Washington	Estimates covg mfg of improvements in high speed arc key W	

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Number.	Date.	From or To—	Subject.	
627866	6/8 6/10	C.W.DeKnight S&A	Ask if can purchase wireless outfit for dredge owned by United dredging Co W Fwds S&A 6/20	
627933	6/13	Washington	Report on test of model TM Ac tube transmitter W To K & C Mfg Co- rel change in material 6/17 K 56127 K.C.Co.- No additional charge for changing details. 6/20 W.	
627913	6/12	Radio Corpn of America	Submits quotation on tubes mfgd by M.O. Valve Co W	

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Number.	Date.	From or To—	Subject.	
627291	5/29	Signal Corpn	Fwds circulars cov vacuum tubes to be disposed of by War Dept. W.	
627295	6/8	Jno. Firth	Ask dates of opening bids for radio apprs listed. W. To Firth & Co- Gives Inform rel Bid 6/12	
55984	6/8	To C-I-C Atl Pac Fleets	Use of Type 1818 50 Watt Vacuum tubes, gives instrns rel instln co Washn MI Pug Snd.	629
900-6421	6/9	To S&A	Vacuum tube transmitting apparatus for submarine built- Recomdn of award WR	706
626646	6/9	To Navign	Enlisted personnel for Radio Station EMLVILLE-- radio tests of vacuum tube apparatus W	822

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Number.	Date.	From or To—	Subject.	
900-6366	6/9	To Washn	Calling for type GG 915A vacuum tubes life test specns WR	706
627232	6/9	To S&A 473	Reqst shipment of Receivers from Norf to SO Annapolis W RB 7/19/22.W	
627233	6/10	To GE Co	Bureau is interested in Vacuum transmitting tube Reqsts quotation on tubes be submitted W G.E.Co 6/12 Submits quotation W	
627727	6/3	O.W.Tyler	Request instructions for making a receiving set W To O W Tyler- Gives Instrns 6/19	
53076	6/15	Washington	Report on test of tubes by GE Co by W.C.White after visit. SW	629
55984	6/10	Atl Fleet Circ	Rel to trouble experienced with vacuum tubes SW	629

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RECEIVING AND SENDING 1922

Number.	Date.	From or To—	Subject.	
600344	from card 340		To Inspr mat GE Vacuum tube transmitting equipments negatives of photographs of equipment returns W 6/1	
626423	6/6	Hon. C. E. Townsend	Request receiving and sending equipt be loaned to Michigan State Fair Assn. W.	772

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Number.	Date.	From or To—	Subject.	
626737	5/20 6/2	CO DELAWARE At l. Fleet	Will conduct further test and submit report later on TC equipts. W.	
900-6366	6/2	Washn	Ask why life test onveauum tubes weighed. 706 R	
626977	5/26 6/6	Recruiting Sta. Houston Tex. Navigation	Request radio receiving set be installed in quarters. W. To C-I-C Houston- Disappvd cc navign 6/12	
627104	6/7	Washn.	Specifications for 250 watt output transmitting vacuum tube- rwis. W. To Washn- revision of specens 6/10	
14772-583	5-20-22	Eng----- N.Yd Phila	Radio Telegraph- Type SE-1370 Vacuum Tube Transmitters, Secy of. (2nd End.)	

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Number.	Date.	From or To—	Subject.
599193	from card	339	To S&A Reqst shipment of mat from Washn to CO 369 W 5/25 RB 9/25 W To S&A Reqst shipment of mat from Washn to CO 370 5/25 Fwds CO 5/27 Fwds Washn 5/29 S&A- Copy action to Washn. 6/2 W.
624984	5/25	To S&A 374	Reqst shipment of tubes from Phila to Washn W
625160	5/26	To NY	Modified 2 KW Radio arc transmitters Gives instrns W

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Number.	Date.	From or To—	Subject.	
Bu 417 Eng 22	5/27	To S&A	12 Universal Amplifiers Fwds Rqn W R	
625955	5/29	Natl.Elec.Sup.Co.	Fwds drawings showing universal amplifier- gives price of. W.	
626200	5/31	Washington	SE 1420 receivers- recommends be put in suitable condition for re-issue as soon as possible. W. To Washn-- Reqsts,estimate be submitted cc Secys office 6/8 Washn- Subm estimates. 6/3 O W. To Washn- Appvd estimate 7/18 WR	
626201	5/31	Washington	Tracings and specifications for TL and AC tube transmitting equipt- fwds. W.	
626202	5/31	Washington	Fwds prints and specifications cov 250 Watt transmitting vacuum tube. W.	
626199	5/31	Washington	Fwds report on test of type CW 1344 mineature vacuum tubes submitted by Western Elec. Co. W.	

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Number.	Date.	From or To—	Subject.
624733	5/19	T. Y. Crowell Co.	Request photo of Heterodyne receiver used by Navy for publication. W. To Thomas Y Crowell Co- Reqsts photographs be returned 5/31
624872	5/22	Washn.	Fwds vadykes cov motor buzzer transmitter wave changer. W.
624303	5/19	To MI (T)	Wire experience 12 Dist rectifiers for radio filament and plate batteries W MI- (T) Edison Type B-4 batteries satisf. 5/23 W To MI (T) Reqsts inform rectifiers for battery charging 5/26 MI (T) GE 6 ampere rectifier suitable for shore stations, where batteries are to be charged. 6/1 W
625107	5/24	G. E. Co. (T)	J. C. Warren will be in Washington 5/26 to demonstrate transmitting tubes. W. To GE Co (T) Satisfy demonstration watt radio tubes 5/25
625238	5/24	Independent Wireless Tele.Co.	Request 5 KW spark set on board OHIO be turned over to CG. W. Fwds S&A 5/2 W To S&A- Rqsts inform 7/15 W To Independent Wireless Tele Co-Expected official action taken next week 7/15 W To S&A- Rqsts reply 8/31 W S&A- 5KW standard spark transmitter auth for sale 9/2 W S&A- Request distribution of material.10/17 W

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Number.	Date.	From or To—	Subject.	
625242	5/24	Washn.	Specifications for model TM Ac tube transmitter have been mailed to various contractors listed. W.	
624837	5/25	To Mgr Aircraft Fac via Comdt Phila	Type CG 915 Vacuum tubes- amount on hand reqst inform W Aircrft Facty 6/5 W. Phila- Report on tubes in store. 6/6 W Memo for Dept rel inventions 6/7	
625373	5/22	H. E. Brown	Request inform concerning amplifier developed by Dr. J.M.Miller- W. To H E Brown- impossible to furnish details 6/1	
625382	5/25	Wireless Imprvt Co.	New design of 20 KW arc transmitter completed- have requested Cdr. Reeves to inspect same. W. To Wireless Improvement Co- inform rel test 5/27 To NY-- gives inform rel test 5/27	

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RECEIVING AND SENDING 1922

Number.	Date.	From or To—	Subject.	
624357	5/18	Washington	Replacement transformers for radio frequency amplifiers types SE 1617 nd 1615 recommends stock be mahtfd. W. To Wash-- Replacement transformers for radio amplifiers-- reqsts estimate 5/25 S&A- Copy actionto Washn. 5/27 W. S&A- Request action. 6/3- W To Wash 6/19 Submits estimates W Wash 11/10 Ref transfrms will be required W Fwds S&A 12/1/22	
624443	5/19	M&S	Fwds letter from Newport Naval Hospital requesting standard radio set be furn. W. Fwds Boston 5/22 RB 5/27/22 W Boston- Copy action to Newport Naval Hospital. 5/25 W Naval Hosp Newport 6/14 List apparatus recd W To C-I-C Newport- will furnish spare part box 6/19	
TO CARD 396				
624430	5/18 5/18	Inspr GE Inspr Brook.	Fwds copy f letter from Paris Island asking invoice price of radio telephone transmitter type SE 1100. W. Fwds S&A 5/25 S&A 6/13 Copy of action toParris Island W	
900-6370	5/20	To Comdt Cavite via MI	Awarded to Fed Tele Co cov purchase of arc chambesr. WR	706

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Number.	Date.	From or To—	Subject.
621734	FROM CARD 377		Nay Sup Depot- Two motor buzzers available for issue. 5/19 W To O-I-C Brook-- Rel shipment of Transmitter 5/25 Navy Sup Depot- Copy action to Norf. 6/1 W. (2) N.Y. 7/3 W S&A- Copy action to N.Y. 7/21 W
623248	5/20	To CO's listed yards--listed cross	Fwds addnl sheets for Model "TC" instruction book W
624304	5/20	To MI	Report on Type SE 1413 high speed keys cc Washn W M.I. 6/19 Have requested report on operation of relay key W Mare Isl- Subm report on operation of high speed relay keys. 8/22 W Fwds Washn 9/2 W RB 9/15 W

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Number.	Date.	From or To—	Subject.	
623636	5/15	Washington	SE-1387 driver for use with Universal amplifier. Fwds prints W To Washn design work appvd 5/20 Washn- fwds prints. 5/26 W	
623246	5/15	To S&A 280	Reqst shipment of generator from Ports to SO Annapolis W RB 6/21 W To S&A Reqst shipment of Generator from Boston to SO Annapolis 293 5/15 RB 6/15 W	
623656	5/15	Washington	Operation of Uni-wave keys on 220 volts Dc. Request ships be instructed covg W To Washn-- gives inform 5/27 Wash 6/22 Modified uni wave arc key. Fwds prints W To Washn Appvs design 7/20 W	
623721	5/11	Radius Co	Calls attention to Baldwin phones. Gives price of W To Radius Co- willbe pleased to furnish cc specens 5/18	

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Number.	Date.	From or To—	Subject.
623465	5/17	To O-I-C Brook	Radio arc sets Status of cc NY W S&A 5/23 W.
623247	5/15	To S&A 294	Reqst shipment of telephone from Washn to NO Annapolis W
"623248	see card 382		
624095	5/15	American Radio Corpn	Ask if Bureau has any detector or amplifier tubes for sale. W. To Amer Radio and Research Corpn- rel sale of tubes 5/19
624091	5/17	Dr. F. G. Richie	Request description of universal amplifier recently designed. W. To F G Ritchie- impossible to gives detail 5/22
14772-583	5/9/22	N.Yd Phila- Eng	S.E. 1370 Vacuum Tube Transmitters secrecy of.

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Number.	Date.	From or To—	Subject.	
623141	5/9	W. C. Graham & Co.	Request be advised when receiving tubes are sold. W To W C Graham Co- does not contemplate selling tubes 5/18	
54189	5/12	To Comdt's listed	Remote control equipmt for model "TD" shore station transmitter- instruction books for Gives inform WS	629
900-6366	5/9	G.E.Co	Subm suggestions cov specifications for transmitting vacuum tubes. RW	706
623037	5/12	To NY (T)	Remove large model data Name plate from arc coverters Model AD equipment instructions follow new name plate data W To NY- Reqsts estimates be submitted 5/16 N.Y.- Subm estimates. 6/8 W To S&A- Reqst be advised action taken 6/13 S&A 6/14 Copy of action to NY W	

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Number.	Date.	From or To—	Subject.	
623045	5/13	To Bu of Standards	Radio Research Problem No 137 B S Type Rectifier tubes W Radio Labr- S type of rectifier tubes- reports on. 6/30 W.	
623046	5/15	To Norf	Spark Gap Units Status of Requested W RB 5/19 W	
623242	5/15	To MI	Reqsts status of spark gap units W M.I. 6/13 List spark gap units in store	W
623244	5/16	To Pug Snd	Radio Telegraph Return of tracings W	
623769	5/15	Atl. Battleship Force	Copy of letter to Squadrons directing vessels take necessary action to prevent theft of radio material now being sold by enlisted personnel to civilians in New York. W Atl. Battleship Force Copy of letter to 3d Dist- directing investigate purchases of vacuum tubes by A. Winters from a radio man on board OHIO. 5/15 W. Atl. fleet 8/11 W To Atl. Fleet via C-I-C Atl fleet- Gives Action taken cc S&A 9/21	

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[OVER.]

Number.	Date.	From or To—	Subject.
622807	5/10	S Shearn	Request inform rel to radio tubes to be sold. W. To S Shearn Fwds copies of catalogue 5/15
573848	from card 324		To S&A Reqst shipment of receiver from CO via Union to Washn 244 5/10 W

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Number.	Date.	From or To—	Subject.
622335	5/10	To C B Myers / Radio Audion Co	Bu has been informed that you have recd from an unofficial source a copy of a report of Naval Radio Research Lab on a number of vacuum tubes manufactured by your Co ask not to use report in any way whatsoever W To Phila Disclosure of confidential information 5/10 RB 5/20/22. W Radio Audion Co. 5/11 W. To Inspr mat GE-- Gives Action 5/27 Fwds Phila 6/8 RB 6/21 W
	see card 378		
623089	5/11	GE Co.	Will submit transmitting tubes with new Exel filament for test. W. To GE Co- Gives inform rel tubes, 5/16 GE Co.- Subm tabulation of operating characteristics of tubes 5/26 mW. G.E.Co 6/9 Comments on fillament tubes with quotation covg W To Anacostia-Washn- Fwds samples 9/6 W
TO CARD	402		
621871	5/9	To Sec of War (Sec Sig Asst)	Fwds fifteen copies of instruction books W
623106	5/11	A. M. MacCutcheon	Request inform rel to sale of audion bulbs. W. To A M MacCutcheon- Gives inform 5/17

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Number.	Date.	From or To—	Subject.
622111	5/3	P. E. Lehde	Request prints cov design and assembly of radio telephone transmitter for Tulane University To Pendleton E. W. Lehde has no prints available 5/12
622235	5/5	Inspr GE	GE Co. is offering crystal detectors for sale manufd by Lowenstein Co. on contract 43761- as if sale is legal. W. Fwds S&A 5/12 RB 5/20 W. To S&A-- gives inform 5/24
	see card 379		
621298	5/6	To O-I-C Annapolis	Sound-Assignement of sound Research Problem- Gives instrns W
621864	5/6	To Norf	Radio Arc Sets Status of Reqst same W Norf- 5/10 W.
622487	5/8	Phila.	Request four SE 1593 transformers be invoiced from aircrft Facty to Phila. Yard for repairs at radio Labr. W/ Fwds S&A 5/16

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Number.	Date.	From or To—	Subject.	
578780	FROM CARD 325		Atl. Fleet- Fwds report from CO ARKANSAS. 5/4 W Fwds Washn 5/15 RB 6/1/22.W	
622133	5/9	To Western Elec CO	Reqst inform covering resistance units W Western Elec. Co. Inform rel to current of tube. 5/24 W. To Western Co- rel increased cost 5/29 To Washn- CO Anacostia- Gives designated groups 5/29	
622748	5/8 5/10	Z. G. Grant Communications	Request inform as to purchase of radio receiver. W. To Z C Grant-- Gives Inform 5/16	
622771	5/8	G. E. Co.	Request inform on radio frequency amplifier. W To-- impossible to furnish details of universal amplifier 5/13 GE Co. 5/15 W	
Bu 327 Eng 22	5/13	To S&A	Vacuum tubes Fwds Rqn	W R

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Number.	Date.	From or To—	Subject.
621542	4/26	Cdr. E. H. Loftin	Memo of conference with Prof. Pupin rel to supersonics and amplifier to be used in conn with W.
621143	5/2	To S&A 189	Reqst shipment of Amplifier from Washn to Pug Snd W
621734	4/28 5/2	36-M. CO CONTACOOK Atl.Train	Request motor buzzer set be installed - commander train recommends be installed on tugs and mine sweepers. W To Norf- rel instln of transmitters cc CO-Atlantic Fleet 5/6 Norf. 5/11 W To S'A Reqst shipment of Transmitters from MI to SO Pug Snd 298 5/16 RB 6/30/22 W To S&A Reqst shipment of Transmitters from Brook to SO Norf 297 5/16
		To S&A Reqst shipment of Buzzer from Brook to SO Norf 296 5/16	
TO CARD 382			
621834	5/3	Western Elec.Co.	Fwds preliminary description of radio broadcasting sets. W.
621919	5/3	American R/r Corpn	Request Boston be auth to loan CW-936 telephone transmitter and receiver for test. W To Amer R/r Corpn Gives Action taken 5/9

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Number.	Date.	From or To—	Subject.
621951	4/15 5/5	Atl.Fleet Dept void	Subm report on material inspection.Y void
621925	5/1	Tulsa Tribune	Ask if Crystal system of receiving radio is reliable. W. To T F McPherson- Fwds cc memo 5/8
621952	5/2	L. P. Clark	Ask if can purchase receiving set. W. To L Phillips Clarke- Fwds memo in regard to recg apparatus 5/9
622042 TO CARD 397	4/27	MI	Coordinator at Frisco asks if Yard can furn 1/2 KW radio transmitting set. W. M.I. 5/5 Fwds copies of corres W Fwds Operns 6/14 RB 7/11/22.W Communications 6/17 W Fwds Nav Communications 7/20 W
621299	5/5	To Eng Sta Annapolis	To MI via Union- Reqsts inform cc Comm 7/21 sound-Research Problem 70 A Investigation of Asdic Apparatus W
[illegible]	[illegible]/20	To Comdt Washington	Approval of drawings of univave arc keys. W

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Number.	Date.	From or To—	Subject.	
620863	4/25	Chasn.	Request instrns rel to disposition of radio apparatus listed. W. To Chasn- Surveyed tubes cannot be further used 5/3 W	
620236	4/27	To MI	Sale of receiving sets S&A shld authorize sale of material cc S&A W	
620588	4/27	To S&A 156	Reqst shipment of Tube Detectors from Washn to SC Pug Snd W	
620593	4/28	To S&A 160	Reqst shipment of phones from Washn to Bu of Standards W	
620987	4/24	Palmer Elec.Co.	Request inform rel to new 6 stage amplifier developed. W. To Palmer Elec Co- Patent confidential. 5/3 W	

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Number.	Date.	From or To—	Subject.
621025	4/17	W. Schuss.	Request transmitting tubes and audion amplifying bulbs be furn for experimental purposes. W. Fwds S&A 4/29 To Mr. W Schuss No tubes for sale 5/3 W
621167	4/26	Capt. A.B. Lawton	Calls attn to radio receiving set found - gives name plate data- ask if Govt property. W. Fwds S&A 5/3 W
621299	see card 377		
599132	FROM CARD 339		Washn- Subm addtl parts required to complete standard battleship receiving equipt. W. 5/1/22. W To S&A Reqst shipment of Wavemeter from MI TO SO Washn 229 5/6 To S&A Reqst shipment of mat from Phila to SO Washn 234 5/8 RB 5/26/22. W To S&A Reqst shipment of Wavemeters from Brook to SO Washn 235 5/8 RB 5/26/22. W. To S&A Reqst shipment of Wavemeters from Norf to SO Washn 236 5/8 Washington- Subm estimates. 7/19 W To Washn estimates appvd cc Dept 8/9 Washington 9/5 WK To Washn- Gives list of mat which shld be at Washn yard 1/25/23 To Washn- Gives instrns rel action to be taken rel manufacture 2/3/23

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[OVER.]

Number.	Date.	From or To—	Subject.
620357	4/24	Washn.	Recommends type SCR -112 receiver be purchased from Wm J. price 5/13 RB 5/20 W To Washn Reqst inform rel
620029	4/25	To Washn	Forwarding of pamphlets for "lightning Arresters used with Models "TC" and "TD" tube transmitters W. To CO's- Comdt's/C-I-C Stations Cards- listed Fwds pamphlet for lightning arresters used with Model "TC" and "TD" tube Transmitters 4/27
620576	4/25	F. B. Diets	Request inform rel to detector tubes to be sold by Navy. W. To The Jersey Radio Cropn-Rqsts bids on Tubes 5/3 W
620577	4/25	J. W. Gilenthinger	Request inform rel to sale of detector tubes W. To J W Gellenthin- Gives instrns 4/28
620808	?	E. A. Mueller	Request data on 6 stage amplifier developed at Research Labs W. To E A Mueller Gives inform 5/1

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Number.	Date.	From or To—	Subject.	
596633	FROM CARD 337		MI- (T) Ask when transformers will be shipt. 4/26 W. To MI (T) Gives status of shipment 4/28 Ham. Rds. 4/17 W	
613040	FROM CARD 361		Bar Harbor- (T) W. To MI (T)7324 my 7314 1630 Expedite Reply 4/24 To S&A Reqst shipment of Arc Sets from SO MI to Pug Snd 157 4/27 Puget Sound 6/16 T Rqsts authority to reinvoice material to army. W Fwds S&A 6/24 Pug. Sd. 6/26 T- Request wire auth to reinvoice material to Army Dept/- W. To S&A-F ds ref 6/30 W S&A 7/5 W	

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Number.	Date.	From or To—	Subject.	
619521	4/4 4/20	Darien 15th Dist.	Scheme for repairing burnt out anode tips developed by V. E. Sauven- fwds prints with comments on. W. Fwds Washn 4/22 W cc Balboa. RB 8/9/22·W To Balboa-- quotes from a trial of method as listed in let 4/4/22 cc Navign 8/23 To NY- Quotes suggestions 2/8/23 cc 15 Dist. S&A 2/8	
619717	4/17	1st Dist.	Report on transformers of TD transmitter. W. 1st Dist. 4/17- Further report. W To Inspr mat GE Gives excerpt from report of O-I-C Bar Harbor 5/1 47403-629	
580656	fwded from card326		To Mr Leroy M E Clausing- Gives comments on patent applications cc Chasn cross- 896 4/21 L.M.E.Claussing- Fwds addtl inform on patent application. 5/23 W.	

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Number.	Date.	From or To—	Subject.	
619106	4/20	To Washington	Radio telegraph-Design Problem 166 should be considered as complete W	
587225		FWD FROM CARD 329 Ports	To Ports- Alterations to Radio Equipmt. 4/22 W S&A- Copy action to Washn. 5/11 W. To Norf- rel shipment of recg equipment cc S&A 5/17 RB 6/20 W Phila. 5/18 W To Phila- Fwds instrns 6/6	
620147	4/20	W.J. Buttfield	New design of amplifier for radio communications- request inform rel to. W. To W J Buttfield cannot furnish details 4/26	
620236	4/19	MI	Request auth to put up 15 receiving sets for sale. W.	

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Number.	Date.	From or To—	Subject.
618661	4/14	Washn.	8 type P vacuum tubes recd from GEORGE WASHINGTON and tested- only one operative. W.
618320	4/17	To Edison Storage battery CO	Fwds report of test on Ampere hour battery cc Washn W. Edison Stg Batt Co.- Request addtl copies of report. 4/18 W. To Edison Storage Battery Co- Fwds Addnl report 4/25 Edison Storage Batt.Co. Acknowledges letter of 4/25. 4/28 W.
618483	4/18	To Westinghouse Elec Co	Reqst inform on miniature type vacuum tube, together with unit price W. Westinghouse EM Co. Subm quotation. 5/5 W. To Westinghouse Co-- Gives Inform 5/25 Westinghouse E/M Co. Fwds tubes. 8/11 W
619106	see card	374	
619214	4/17	Forts	States have but one amplifier type 1000 in stock. W. 689- 16

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Number.	Date.	From or To—	Subject.	
609556	FROM CARD 351		Western Elec. Co.- Can make delivery in 25 days. 4/18 W.	
619423	4/18	Insr GE	Request type SE 1100 radio receiver shipt to GE Co. for testing vacuum tubes be disposed of. W. Insr Schen. 4/18 Rqsts action W Inspr Sche 3/7 request action W	
619442	4/19	Pug.Sd. (T)	Request immediate shipt of 10 radio amplifiers for stock W. Pug.Sd. (T) Ask if shipt of amplifiers is being made (W) 4/21 W. To Pug Snd (T) Disapproved 4/24	

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Number.	Date.	From or To—	Subject.
618242	4/12	Washn.	Fwds vandykes of motor buzzer transmitter wave changer. W.
618087	4/10	Phila	Request receiving set be assigned to assembly hall of Naval home W To Phila- Appvd providing complete receiving set can be assembled 4/15 W Phila. 4/20 W. To S&A Reqst shipment of Equipment from Phila to Naval Home Phila 132 4/25 Phila- Apprs is now available in used material account. 5/8 W. To Phila transfer authd cc Phila 5/12
589090	FROM CARD 331		To S&A - Gives action 4/7 S&A 4/10 W To S&A- Satis to have ref manfg under appro "Eng 1922" 4/15 W RB 4/26/22. W. S&A 4/19 W. Washn. Subm estimates. 5/5 W. Washn- Cannot complete amplifiers by 6/30-5/11W Fwds S&A 5/24 Copy back 5/29 W RB 6/27 W

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Number.	Date.	From or To—	Subject.	
617276	4/11	To House of Representative Hon J J Rogers (Sec Sig)	Returns letter of Mr Webber concerning statement of Rep Britten in matter of vacuum tubes- Gives inform W	
617281	4/11	To Hon F L Greene (Sec Sig)	rel purchase of vacuum tubes from Department- Gives inform rel W	
617585	4/13	To Western Elec Co	Reqst inform- ask if Co manufactures a radio frequency resistance bridge which is capable of wave lengths from 100 to 20,000 meters W Western Elec. Co. Cannot furn. 4/25	W.

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Number.	Date.	From or To—	Subject.	
617573	4/11	To Western Elec Co	Loud speaker and 3-stage amplifier- Reqst Inform rel W Western Elec. Co.- Calls attn to Vacuum tube amplifier with print. 4/14 W.	
618040	4/8 4/10	Inspr Cleve. Inspr Pitts	Fwds letter from S. K. Majakos rel to mineature receiving set he has developed. W. Inspr Pitts- Copy action to Inspr Cleve. 4/14 W Inspr Pitts- Copy action to SEC Majakos 4/25 W	
617582	4/12	To Ports	Vacuum Tube Detectors- Ask disposition made of tube W Ports- Fwds change sheets. 4/18 W.	
588154	FROM CARD 330		Washn- Fwds report of investigation of performance of uni wave key, with recommendations. 4/12 W. To Washn- Will arrange for tests 4/22 W Guantanamo- (T) Ask time and wave length of daily test. 4/22 W. To Boston- (T) Reqst inform rel test 4/21 New Orln- (T) No differences noted in signals. 5/1 W Washn- Estimates cov duplicate key and transfer switch. 6/6 W. Washn- Subms estimates . 6/7 W	

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Number.	Date.	From or To—	Subject.	
615278	FROM CARD 365		Bar Harbor- Subm data on test. 4/1 W.	
618239	4/12	Washn.	Instrns for type SE 1822 uni wave arc key	W.

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Number.	Date.	From or To—	Subject.	
617439	4/6	Norf.	Reports on test of TD tube transmitter.	W.
617069	3/31	Anacostia	Request four 250 Watt transmitting tubes be furn Labr. W	902
617181	4/7	To M I	Fwds vandyke and prints W	
617190	4/7	To S&A 9933	Reqst shipment of Receiver from Hamp Roads to Norf W	
Rqn Bos	N S A Request 64470/22 4/7 To Boston		has disapvd Rqn for acceptor-rejector and break key apparatus	

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Number.	Date.	From or To—	Subject.	
617605	4/7	Washn.	Report on ability of model TD tube set to withstand inspection made in monthly radio report for February. W.	
615445	FROM CARD 366		Magnavox Co. - 4/8 W.	
617883	4/6	American T/T/Co.	Authorizes Navy to sell vacuum tubes and radio telephones chaser sets. W.	
~~SEE 605729~~ - 902			To American Telephone and Telegraph Co. (Sec Sig). Ask to acc pt Department's thanks for liberal attitude in authg navy to Dispose of surplus apparatus W	

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Number.	Date.	From or To—	Subject.	
617 091	4/5	S&A	Fwds purhhase order and voucher from Forest Service cov vacuum tubes. W. Fwds S&A 4/11	
616258	4/4	To R E Gillmor	Fwds sheets 18A- 19-A of RE 13A 112, which cover the specifications on Telephones and Telephone Cords W	
616686	4/4	To Western Elec Co	Universal Amplifier -development is not to be held strictly confidential and there is no objection to permitting one of Engineers to examine same- W Western Elec Co 4/11 W	
617276	4/4	Hon. J. J. Rodgers	Fwds letter from P. B. Webber asking if it is true that Govt has a large number of tubes on hand which might be sold to amateurs KW.	

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Number.	Date.	From or To—	Subject.	
617281	4/4	Hon. F. L. Greene	G. P. Drowne request inform rel to excess radio tubes which Govt has available. W.	
617283	4/6	Y&D	Asks if silver dials with black figures are preferable to ordinary type used on pressure and vacuum gauges. W.	
	CANCELLED - See 558			
604190	FROM CARD 345		Phila- Sets will be completed by 4/11. 4/6 W Phila 7/24 W	

Number.	Date.	From or To—	Subject.	
568267	FROM	CARD 320	A. F. Wallis- 10/27/21. Copy of letter to Independant Wireless T.Co. fwding copy of circular issued to Italian Marconi Co. rel to instrns to their radio operators- directing them to send all radio traffic via Radio Corpn exclusively. 10/27 - W.	705
616721	3/24 4/1	Norf. S&A	Fwds list of obsolete damages and surplus receivers, at Norf. W. Fwds S&A 4/7	
616735	3/31	K. Banning(Popular Radio)	Ask if Navy has any audion tubes on hand which could be disposed of to amateurs. W. To Pupular Radio, Gives Answers to questions asked in let 3/31 4/7	

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Number.	Date.	From or To—	Subject.	
572249	FROM CARD 326		Washn- Fwds specifications for radio compass coil also drawings. 4/3 W. 919	
			To Phila- Assignment of Radio Research Problem 4/13	
			Phila- Fwds prin s of radio compass coil. 7/27 W	
616997	4/4	K. Benning	Ask if Bureau has any photos showing back of shielded radio receiver for distribution. W.	
			To K Banning--- Gives inform 4/25	
617024	4/3	Anacostia	Subm notes on medium and high power tube transmitters. W.	
			To Washn Fwds correspondence 4/ 17	
			Washn- Comment on. 6/6 W	
616900	4/6	To MI Pug Snd	Spare Arc Chambers- Instln in Peking Station Gives Instrns W	
			Pug. Sd. Recommends spare arc chambers be furn stations listed. 5/1 W	

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Number.	Date.	From or To—	Subject.
615870	3/30	To Washington	Research Problem 163-B Mercury Arc Rectifier Reqst same be stricken from list W
614924	3/30	To COAnacostia	Research Prob 117-C Reqst Alexanderson continuous Wave Receiving System be stricken from list W
616238	3/29	Washn.	Fwds letter from C. Speaker giving description of compound rheostat for vacuum tube fillament circuits which he has invented. W. To S&A Fwds Invoice 5/26/23
616043	3/31	To Inspr mat GE	Ask if will be possible to obtain from GE extra copy of instructions W Inspr Fwds instructions for operating radio test set. 5/31 W. To Schenectady W. Ack.letter 6/30 W To Anacostia Fwds instrns 7/1 W
615923	4/1	To Washington	Fwds Plans listed W
616046	4/1	To Inspr mat GE	Requesting instruction books- W Inspr GE- Ask if Bureau desires to purchase instruction book. 4/11 W
616258 card 369			

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Number.	Date.	From or To—	Subject.	
616439	3/31	Balboa	Reports 9 audion bulbs on hand not required. W. Fwds 15 Dist, 4/6	
616406	3/30	Belvin W. Maynard (T)	Request loan of wireless sets for use of American legion in its campaign for funds. W. To Mr. Belvin W. Maynard- Forbidden to loan or give equipmt to any but govt depts 4/3 W	
616468	3/31	S&A	Copy of letter to Phila. auth receive vacuum tubes in used material account. W.	
616739	3/31	J. E. Vause	Ask where radio receiving equipt could be secured. W. To Joel E Vause- Gives instrns 4/7	
616740	3/30	R. C. Nelson	Request inform rel to hooking up of radio apparatus. W. To R C Nelson Gives inform 4/7	

Number.	Date.	From or To—	Subject.	
615018	3/27	To Washington	Fwds prints and vandykes- Booth Key Switch W	
615819	3/28	Bur of Mines	Request detector and audion tubes be furn for experiments with helium. W. To S&A Reqst shipment of tubes from Washn to Dept of Interior 9976 3/31 To Hon secy of Interior- (Sec Sig) - Reqsts detld inform rel tubes- W 12/16 Dpt of Interior 14/22 W To Secy of Int.(Sec Sig) reqsts Inform rel tubes 4/7/22	
FWD TO CARD 425				
615908	3/28	Washington	Head telephones repair parts for Stromberg - Carlson phones on Oklahoma requisiton 64 request instrns cov. W. To Washington- replacement authd 4/6	
615444	3/28	To Hammond Radio Research Lab	Arrangements being made for Purchase of 18 complete sending and receiving equipments- reqst sample sets W Hammond Labr- 4/4 W. Anacostia- Request apprs listed be furn by Magnavox Co. 4/14 W. To Hammond Radio Research Lab- 4/19	
615445	3/29	To The Magnavox Co	Reqst Type of transmitter manufactured by Magnavox Co W Magnavox Co. 3/31- Fwds amplifier literature. W Magnavox Co.- Fwds pamphlets 3/31 W. To The Magnavox Co - Reqst inform rel type equipment 4/6	
TO CARD 370				
615450	3/29	To Mr Samuel T Daniels	Ack receipt of specens and drawings showing special Radio recg system W Reqst Data W	

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Number.	Date.	From or To—	Subject.	
615675	3/29	To Annapolis	Fwds photographs for use of the Head of Electrical Division, W	
615676	3/28	To S&A 9958	Reqst shipment of tubes from Phila to SO Washn W RB 6/24 W S&A- Copy action to Ham.Rds. 5/23 W Ham.Rds. Copy action to S&A 6/1. W.	
615680	3/30	To Dir Commns	Model TD tube Sets installed- - Tests of sets at NY are to be conducted 3/31 after which it will be available for traffic on the same conditions as the sets at the Seawall and Chatham Stations cc NY- Boston W To Boston- will fwded addnl supply of tubes --3/30	
615682	3/30	To CO Anacostia	Radio Research Problem 2-A Audio-Frequency Intra-fleet system- Gives assignment of- Ask if transformer needed for work Anacostia- 4/3 To CO Anacostia- Gives instrns 4/13	
615684	3/30	To Washington	Research Problem 39-A Investigation of use of Three-phase Alternating Current Supply for Radio Telephone Transmitter W	

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Number.	Date.	From or To—	Subject.	
615278	3/24	N.Y.	Report on test of TD tube transmitter at New York radio station. W.	
TO CARD 371			To Comdt's- CO Listed- Gives detld inform rel test of tube transmitter 3/29	
			Bureau Stand. Labr. Fwds report. W 4/1	
			Anacostia- Report on reception of signals from N.Y. on TD tube transmitter. 4/3 W.	
			~~MI-(T)-Ha~~	
			Phila- Subm report of test. 4/4 W.	
			Communications- Report on test TD transmitter. 4/3 W.	
			Fwds NY 4/7	
			Boston- Report on test of TD transmitter. 4/6 W	
614576	3/24	To MI Pug Snd	radio telegraph -Available 5 K W. Spark transmitters- ask if any of these sets are required for Instln W	
			MI- Do not require spare apparatus. 4/6 W.	
			Pug. Sd. Sets can be used. 4/11 W.	
			To Pug Snd- Gives status of shipment cc MI 4/21	
			Fwds S&A 9/8 W cc Pug Snd. RB 9/11 W	
			Fwds Pug Snd 9/16 RB 10/3/22. W RB 10/24 W	
			Fwds MI 10/7	
615309	3/22	H. L. Goldstein	Ask where can purchase radio receiving telephone set. W.	
			To H L Goldstein ,Gives list of Companies 3/29	
615444 see card 366				
615445	366			
615450	366			
615518	3/22	W. W. Hiscox	Request assistance in securing vacuum tubes for amateurs. W.	
			W.W. Hiscox no date; Suggest surplus vacum tubes be placed on market W	
			To William W Hiscox- Gives Detld inform 4/6	

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Number.	Date.	From or To—	Subject.	
614850	3/24	To S&A 9938	Reqst shipment of Amplifier From Wash to SO NL W	
610175	fwded from card 353		To Western Elec Co- will consider data submitted- gives inform 3/27 W	

Number.	Date.	From or To—	Subject.	
614386	3/22	To Dir of Naval Intelligence 902	Reqst for Inform on purchase of Modulating system for Radio Telephone transmitter- W Naval Intelligence 6/16 Fwds report Naval Attache Berlin W	German
614922	3/21	Hammond Labr (T)	Will pay shipt charges cov vacuum tube transmitter for labr. W.	
615000	3/21	Washn.	Ask if Bureau has any arrangements whereby burntout vacuum tubes can be refilled. W To Pensacola- Gives disposition of tubes 3/28	
615018	see card	366		
584395	FROM CARD	327	Washn- Fwds modified print. 3/23 W	

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Number.	Date.	From or To—	Subject.
615149	3/23	Shipping Board 771-2	Copy of letter to GE Co. fwding copy of letter to Radio Corpn rel to securing vacuum tubes direct from ammufgr. W.
615173	3/20	Electrical Allpy Co.	Calls attn to gear plates for radio electron tubes which Co. manufctures. W.
615172	3/22 3/23	Inspr Cleve Inspr Pitts	Fwds request of SKC Majkos to submit miniature radio receiving set to Govt. for examination. W. To Inspr mat Pitts- Reqst obtain Specens and Drawings 3/29 RB 4/7 W To Inspr mat Pitts- comments 4/13 RB 4/20 with sketch. W To Pitts- No superiority over exist radio equpt 4/22 W
615260	3/23	H M Stark	Ask if any radio phone sets used on chasers during war are available for sale. W To Gives Inform 3/29

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Number.	Date.	From or To—	Subject.	
614561	3/17	Washn.	Subm list of addtl parts recd from GE Co. for model TE receivers at radio test shop. W. To Inspr mat GE Addnl parts recd at the Yard Washn from GE Co-Gives action taken rel test W S 3/28 see 51272-~~628~~-9 629	
614562	3/20	Washn.	Request auth to manufg rheostats for stock-submits estimates. W.	
614360	3/21	To Inspr mat GE	Experiments conducted by L. M. Hull on the Magetron Vaccuum Tube relay W Inspr GE- Fwds article describing magnetron 3/30 W.	
601561	FROM CARD 341		Western Elec.Co.- Comments on modification of Type "I" transmitting vacuum tubes. 3/21 W To Western Elec Co- 3/28 To Washington cc Western Co let 3/21 fwded-for inform 3/28 Washn- Request be taken up with Western Elec. Co. 4/3 W. Washn- Request radio telephones equipt and Type CW 936 for research. 6/22 W	

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Number.	Date.	From or To—	Subject.
614768	3/6	MI	Fwds report on Mare Isl. 100 KW arc converter W.
614767	3/8	MI	Fwds report on shunt rejector circuit to permit simultaneous operation of 30 KW to 100 KW transmitters. W.
614803	3/21	Communications	Fwds letter from Cuban Republic requesting requesting vacuum tubes. W. To War Dept- Fwds cc let from Cuba- rel tubes 3/29 To Dir Gen De Communications Cuba-has no record of furnishing tubes- Gives Action 3/29
614834	?	F. Loeffler Dept Agriculture	Request instrns cov manufg of radio receiving set. W. To S&A Reqst shipment of material from Washn to Dept Agriculture 9959 3/28 RB 4/3. W. To-- no publications available 3/30
614850 card 365			
614908	3/22	Norf.	Request instrns book cov model TD radio transmitter equipt. W. To Norf- Gives Inform rel 4/1

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Number.	Date.	From or To—	Subject.
613846	3/12	J. Fisher	Request inform regarding receiving set Navy type W. To--has no copie's of publication for issue 3/20
613900	3/13	Public Health Service Anacostia	Ask if possible to borrow radio phone from Navy W. To-- Gives instrns 3/21
613750	4/6	To S&A	Obsolete Radio Receivers in store at NY- Disposition of W
613754	3/16	To S&A 9899	Reqst shipment of Arc Keys From Washn to SO Pug Snd W
599408	FROM CARD 340		Washn 3/17 vW.

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Number.	Date.	From or To—	Subject.	
614344	3/17	Electrical Alloy Co	Gear plates for radio electron tubes- calls attn to nickel strips Co. manufactures W	
613757	3/17	To S&A 9901	Reqst shipment of Uniwave Arc Keys from Washn to SO NY W RB 6/13 W Atl. Battleship Force 5/17- Uni-wave keys for arc transmitters on ARKANSAS & WYOMING not recd. 5/17 W. S&A- Copy action to Ham. Rds. 5/18 W. To-- Atlantic Fleet-- Gives Action taken To Atlantic Fleet- Gives Action taken cc S&A- NY 5/20 Ham. Rds. Copy action to S&A. 6/1 W	
614060	3/18	To S&A 706	Requesting that Charles Cory & son be placed on mailing list- to receive copies of schedules for purpose of submitting bids on radio and sound apparatus W Submarine Signal Co. Ask if 4/5 satisf for conference rel to Gale patent, and KA oscillators. 3/23 W. 797	
614062	3/18	To Sub Signal Co	will arrange for conference between rep and patent counsel-rel Gale patent W To Sub Signal Co- satisfy for conference 3/27 Submarine Signal Co. Ask when confrence will be held 3/29 W. To Sub Sig Co- Gives Instrns 4/1 Submarine Signal Co.- Unable to hold conference 4/5 4/3 W Submarine Signal Co. 4/12 W. To Sub Signal Co- Gives instrns 4/20	

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Number.	Date.	From or To—	Subject.	
612875	3/10	To S&A 9858	Reqst shipment of tubes from Phila to SO NY W	
612924	3/11	To Washington	Fwds vandyke -Standard 50 watt transmitting vacuum tube Tube Dimensions W	
613039	3/11	To S&A	Excess and Obsolete radio material at Washington yard Given W	

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Number.	Date.	From or To—	Subject.	
613452	3/13	S&A	Fwds order from Dept of Agriculture cov radio head set for nitrogen research labr. Fwds S&A 3/16	W
613040	3/13	To S&A 9861	Reqst shipment of Radio Arc Sets from MI to SO Pug Snd W To MI- T Have 16 radio arc sets been shipt PS Eng serial 1861 Mch 13 Wire. W	4/1
TO CARD 375			MI- (T) Material not shipt- awaiting govt conveyance. 4/4 W. To MI (T) Reqst status of shipment 4/14 MI- (T)- Material awaiting transportation.	4/24 W
613793	2/27	C. R. Mirick	Carbon disc fillament rheostat- gives description of. W.	
613042	3/15	To S&A 689-1	Excess and Obsolete radio receivers in store at the Boston yard- disposition of	W

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Number.	Date.	From or To—		Subject.
612666	3/9	To S&A	9841	Reqst shipment of tubes from Aircraft Factory Phila to SO 9 Dist W Pearl Harbor- Material recd. 10/13 W.
612667	3/9	To S&A	9842	Reqst shipment of tubes from Aircraft Factory Phila to Pug Snd- MW- Phila W S&A- 4/19 W.
612668	3/9	To S&A	9845	Reqst shipment of tubes from Phila to SO San Diego W RB 4/29 W.
			9844	To S&A Reqst shipment of tubes from Phila to SO Pensacola W 9844 3/9- RB 5/11 W.
			9843	To S&A Reqst shipment of tubes from Phila to CO Coco Solo 3/9 RB 5/13 W

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Number.	Date.	From or To—	Subject.
549168	Fwded from	card 309	To S&A Radio material shipped to the Radio corpn of America. Charges for W. 3/11 RB 4/12 copy from N.Y. W. S&A- N.Y. rqsted to involve material to Radio Corpn. 3/24 W.
612223	3/11	To Washington	Shore Station alternating current tube transmitter, 6 KW Model TN- Gives inform rel W Washn- Requst allotment cov construction of model. 3/17 W. To Washington allotment appvd 3/27
612296	3/11	To Fed Tel Co	no copy of instruction book in Bureau's files, Reqst inform rel cost W Fed.Tele.Co.p- Can make a photostat copy of instruction book 3/18 W. To Fed Tel Co- Reqst photographic views 3/25

Number.	Date.	From or To—	Subject.	
612227	3/9	To MI Publicity	Confidential radio inform unauthorized release of long range Rb receiving circuit W MI- Confidential radio inform was published by H.R. Sprado ~~and~~ a former radio inspr. 3/16 W	
612229	3/8	To Washington	policy and specifications for Receiving vacuum tubes ;Reqst specens W Washn- 4/12 W. Washn- Fwds prints. 5/15 W.	
612230	3/9	To Washington joint	Policy and specifications for transmitting vacuum tubes; Reqst specens W To GE Co- rel tubes 5/31 To Washn - Gives Action 5/31 To Washn - gives suggestion given by GE Co.- cc inspr mat GE 12/28 To C-I-C Battle Fleet - Gives inform rel test of tubes 12/29 X 554-6	

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Number.	Date.	From or To—	Subject.
610982	FROM CARD 354		Phila- Request shipt order 2/24 be cancelled. 3/8 W. To S&A Reqst shipment of Receivers from Phila to Washn 9871 3/13 S&A- Copy action to Phila. 8/21 W S&A 10/11 W RB 11/9 L Fwds S&A- reqsts inform rel disposition of receivers 10/20 RB 11/9 W To S&A Reqst shipment of receivers from MI to Washn 1490 11/15 S&A- No trace of material can be found. 12/18 W.
613008	2/23 3/8	Atl.Control Force Atl Fleet 902	FLORIDA only vessel equipt with TC telephones; type CW 1918 vacuum tubes have been installed on FLORIDA be not tested. W.

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Number.	Date.	From or To—	Subject.
611752	3/7	ToRadio Corpn of America	manufacture of vacuum tubes ask if desire to purchase tubes or will permit Dept to sell direct to public W
612221	3/7	To Washington	Universal Amplifiers desires tyres amplifiers listed te designed for parallel operation of tules W
612222	3/7	To Washington	Fwds Plans- Highspeed Arc Relay Key W
612223 card 360			

RECEIVING AND SENDING 1922

Number.	Date.	From or To—	Subject.	
612788	3/7	N.Y.	Fwds letter from H. H. Buttner rel to methods of increasing transmitting efficiency of high power arc station by simultaneously signalling to distant stations making a great saving possible in power cost per word transmitted. W. To New York-Investigation assigned under Radio Rsch Problem 4/1 W	
612797	3/3 3/7	Boston Dept	Fwds beneficial suggestions from R. C. Soney cov improved receiving circuit. W. Fwd Dept 3/18 RB 3/22 approving Bureau recommendations. ~~3/18~~ W. Fwd Boston 3/24 RB 3/31 W.	
612875	3/8	N.Y.	Report on preliminary test of model TD transmitter in N.Y. radio station. W. To S&A Reqst shipment of tubes from Phila to S9 NY 9858 3/10 RB 5/31/22 W.	

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Number.	Date.	From or To—	Subject.	
611605	3;2	To Chasn	Type CE 859A radio transmitting sets-reqt info re condition of.W Chasn- Simon transmitting sets are in good condition 3/8 W.	
611606	3;2	To Boston	1/2 kw radio transmitting sets-Type Ce859 reqt info re condition of.W Boston- 6 Simon transmitting sets are in good condition. 3/10 W.	
611607	3;2	To SO Brookn	1/2 kw radio Simon transmitting sets-reqt info re condition of.W Navy Sup Depot- report on Simon sets. 3/10 W	
611608	3;2	To NY	Quenched gap repair tools for Lowenstein tubular gap-reqt drwgs-W N.Y.- Fwds prints from Lowenstein Co.3/24 W. N.Y.- Quenched gap repair tools- Fwds prints. 3/24 W.	
611609	3;2	To Phila	1/2 kw radio Simon transmitting sets-type CE859 and CE 859B-reqt info re condition.W Phila- Report on condition of simon transm. 3/8 W.	
611610	3;2	To Norf	1/2 kw radio Simon transmitting sets-reqt info re condition of.W Norf- 3/6 W.	
611611	3;2	To Ports	1/2 kw Simon transmitting sets-type CE859A reqt info re condition of.W Ports- Request disposition of Simon transmitting sets. 3/7 W. To Ports- not desired to ship sets at this time 3/15	

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Number.	Date.	From or To—	Subject.
611734	3;2	To SO Brookn	Radio telegraph-vacuum tubes-reqt info re quantity in store for issue. W. Navy Sup Depot- Report of stock of vacuum tubes 3/8 W.
612122	3/2	Norf.	Fwds report on test of 25 ampere thermo fittings recd from GE Co. W. To NY Gives Action 3/6
612295	3/2	Washn	Fwds prints of blocking and transmitting condensers and receivers. W.
611745	3/4	To Chasn	Special duplex receiving system Reqst constants of circuits be furnished W RB 6/1/22/W Chasn- 3/23 W.
612552	3/6	D. H. Shallcross	Subm report on service test of various modifications, type SE 1440 receivers. W.

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[OVER.]

Number.	Date.	From or To—	Subject.
611713	2/27	E.H. Brockway	Ask name plate reading of long wave sets used at Bar Harbor. W. To-- Gives detld inform 3/3 E. Brockway- (T) Request send receiver by express/ 3/6 W. Fwd S&A 3/9 Fwd S&A 3/17 To 9- Flint Mich-(T) Gives Action 3/16
611801	2/28	Boston	Ask if shall continue reserving 50 vacuum tube detectors in stock. W. To Boston- Gives Inform cc Shipping Board 3/3 Shipping Board - Will not require all detectors Bureau has. 4/13 W. Shipping Board- 5/3- Lists detectors required at various yrds. 5/3/22 W. 771-2 Fwds S&A 5/24
		card 414	
611789	2/28	F.A. Wilner	Ask if can purchase receiving set for radio phone. W.
607440	2/27	Phila.	Subm comments on redesign of type SE 1440 receiver. W. 909
576688	FROM CARD 325		Boston- Subm report. 3/1 W.

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Number.	Date.	From or To—	Subject.	
606179	FROM CARD 348		9th Dist. 2/24 W. To S&A Reqst shipment of Amplifiers from Great Lakes to Washn 98C6 3/3	
610979	3;2	To Washn Yd	Radio telegraph-design problem 157-100 watt ac tube set model TL-instrns re tubes for-W To Washn- Desires transmitter be designed for Overn with a break system. 3/10 To Washn- Gives inform 3/18 To Washn-- revision of specens 6/7	
TO CARD 392				
611452	3;2	To Boston	Re loan of radio receivers to DCS-auth.W	
611603	3;2	To Washn	Design problem 156-100 watt ac tube transmitter, Model TM-instrns-3;2-W Washn- New requirements- will necessitate changes in design. 3/13 W. To Washn- authorization confirmed 3/18	
611604	3;2	To M IS	Re condition of radio transmitting sets-reqt info-3;2-W MI- Transmitter are in good condition. 3/15 W	

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[OVER.]

RECEIVING AND SENDING:

Number.	Date.	From or To—	Subject.	
610902	2;25	To M IS	Request various VanDykes of radio receivers.W	
610980	2;25	To Washn	Radio design problem 167-A-amplifier tested and found satis except for modifications-reqt estimate for manufacturing.W Washn- Subm estimates 4/12 W.	
611103	2;25	To S&A	Disposition of radio receivers in stock at Pug Sd-rec partial sale of stock.W	
602440	FROM CARD 343		CO CONNINGHAM 2/25 W To S&A Reqst shipment of Receivers from Washn to CO 99 4/20	

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Number.	Date.	From or To—	Subject.
611592	2/26	M. Teitlebaum	Request descriptive literature cov radio receivers. W. To Maurice Teitelbaum- Gives Inform 3/3
611106	2;25	To Washn Yd #9786	Shipment of detectors, amplifiers and transformers from Washn to Cavite.W RB1/23 W To C-I-C Asiatic Fleet- rel shipment of material cc MI-- Cavite 5/19
611111	2;28	To Pug Sd & M IS	Reqt description of two stage radio amplifiers in Used Material Account.W MI- No two step amplifiers in store. 3/10 W. Pug.Sd. 3/9 W
611112	2;27	To New Orleans #9791	Shipment of receivers from N Orl to Washn.W New Orleans 6/8 W S&A-Copy action to New Orln. 6/23 W
611427	2;27	To NL #9792	Shipment of amplifiers to Washn.W
611428	2;28	To Phila	Reqt account in which radio transmitters are carried.W Phila- 3/6 W
611430	2;27	To Washn #9793	Shipment of vacuum tubes from Washn to Great Lakes.W
611434	2;28	To Washn #9797	Shipment of transformers to Guam.W

Number.	Date.	From or To—	Subject.	
611282	2/16	Pacf.Fleet	Fwds report of test of Arc transmitters on board PENNSYLVANIA ARIZONA & TENNESSEE. W. Pacf.Fleet- Fwds report from CO NEW YORK.	4/21/22 W
611346	2/21	MI	Request drawings of one KW transmitter be To M IS-fwds prints-3;2-W	Turn.W
610727	2;24	To NSD So Brookn	Radio telegraph-spares for 1/2 kw radio transmitting sets- ask if are available.W Navy Yd Depot 2/28 W S&A- 3/3- Navy Sup Dept advices no spare insulators in stock. W	
610733	2;23	To Chasn	#9746 -reqt shipment of radio receivers from Chasn to Washn yd-W RB 6/9/22 .W	
610734	2;24	To S&A (Bu Survey & Appraisal and Sale)	Radio matl at Chasn-recommends material listed be sold.W	
610982	2;24	To Norf	#9773 - reqt shipment of radio receiver from Norf to Washn yd.W RB 3/21/22 W	
TO CARD	359	RB 5/26/22.W----- To M IS-#9749-shipment of receivers to Washn-2;24 W RB 7/24/22 W--- To Boston-#9772-shipment of receivers to Washn-2;24-W To Pug Sd-#9775-shipment of receivers to Washn-2;24-W To Phila-#9774-shipment of receivers to Washn-2;24-W	To Pearl Harbor-#9775-shipment of receivers from Pearl Harbor to Washn yd-2;24 RB 5/26/22.W	

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Number.	Date.	From or To—	Subject.
611452	2/21 2/24	1st Dist. Communications	Request Boston be auth to issue receiver from Used material Acct· for use in conn with supervision of district traffic. W
610985	2;25	To M IS	Reqt info re number of radio receivers in store available for issue.W MI- No long wave receivers in store. 3/10 W
610904	2;25	To Washn	Radio telegraph Design Problem 31-B-reqt construct vacuum tube inspn test set.W ~~X~~ allots $400.W K Navy Sup Depot- 3/3 W.
610903	2;25	To Bu Standards	Radio Research Problem 121-A-reqt investigation of feasibility of 5 watt Vacuum tube driver be stricken from list.W
610984	2;24 RB 7/24/22.W	To SD So Brookn	~~$~~9783 shipment of amplifiers to Washn Yd.W To NY-~~xx~~#9782-shipment of amplifiers to Washn-2;24-W To S&A Reqst shipment of Amplifiers from SO Brook to SO Washn 9628 3/8
610977	2;25	To Anacostia	Radio research problem 131-B-fwds letter re test of Bruce relay .W RB 3/2 W.
610978	2;25	To Washn	Design problem 72-instrns re future models TK alternating current tube transmitters.W

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[OVER.]

Number.	Date.	From or To—	Subject.	
609958	2/17	To S&A 9736	Reqst shipmt of material from San Diego to SO MI W S&A 3/25 W. Fwds S&A 3/30	
610712	2/17	Anacostia	Resch problem 107- A- investigation of proper type buzzer for vacuum tube transmitter equipt- recommends close same. W To Anacostia - Reqst Research Problem 107-A be stricken from list 3/31	
610804	2/20 2/21	Hon. I. C. Copley Ordn.	Ask if Bureau can sell F. P. Brown amplifier bulbs and detector. KW. To F.P.Brown-vacuum tube equipment not available-2:25-W To Hon I C Copley-2:25-W	
610830	2/21	Washn.	Type SE 1616 audio frequency transformers-estimates cov manufg. W.	

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Number.	Date.	From or To—	Subject.
610175	2;21	To Western Elec Co	Reqt price etc re tubes demonstrated by Dr.Wilson.W
	see card 365		To Radio Dept GE Co-reqt info-2;21-W ~~To Westinghouse E&M Co~~ Western Elec.Co.- Subm quotation cov vacuum tubes 3/18 W.
610173	2;21	To Westinghouse E&M Co Washn Office	Fwds letter re particular type of receiving apparatus.W Westinghouse E/M Co. 3/2 W
611079	2/23	Washn.	Fwds vandykes of instructions for conversion of Type SE 1899 receiver into type 1899-A receiver. W.
592789	FROM CARD 333		NY:- Comments on operation of AC arc developed by Wireless Imprvt. Co. 2/24 W

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[OVER.]

Number.	Date.	From or To—	Subject.
609492	2/14	To S&A 9710	Reqst shipment of spark gaps from Great Lakes to Brook W RB 4/11 W
609748	2/13	Communications	Fwds letter from Director General of Post and Telegraph, Cuba requesting inform rel to Western Elec. ype VT -1 bulbs. W. To Director Gen Post & Tel Cuba-turned over reqt to Army-will supply tubes-2;21 W
609491	2/14	To S&A 9709	Reqst shipmt of tubes from Washn to Boston W RB 3/17 W
609948	2/15	New York & Queens Elec. Light & Power Co.	Request auth to purchase Navy type amplifiers from Western Elec. Co. W. To New York and Queens Elec Light & Power Co- No objection to Western Elec Co furn vacuum tubes 2/18 W

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Number.	Date.	From or To—	Subject.	
609499	2/16	To Washington	Portable alte nating current tube trans-mitter for high power base Station Reqst washn yard undertake design W To Washn- Gives wave lenghts will be required on Portable "AC" tube trans-mitter for high power station 3/21 Washn- $5,000 allotment necessary. 3/21 W To Washn- Gives Action 3/27	
609631	2/16	To Bu of Standards	Fwds to lab one copy of the Washn yard report "Slide wire Test Set for Vacuum tubes". W Bur Stand Labr- 2/23 W	
Bu 15 N	S A -22	2/16 To S&A	Vacuum tubes Gives Action taken WR	
609638	2/17	To VBu of Standards	Investigation of S type Rectifier tubes furnished by American Radio and Research Corpn- Gives Action taken W	

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Number.	Date.	From or To—	Subject.	
595583	FROM CARD 335		Pacf. Fleet- T- grid leak condenser and vacuum tubes not received. 2/9 W. To C-I-C Pacific Fleet (T) Gives Action taken rel shipment 2/10	
608713	2/2	Pacf Fleet	Halborg brake key for radio apparatus- same 494 not satisf. W	
2/ 608052	2/9	To CO's Listed- Pacific Fleet	Fwds plans listed W CO ARIZONA No drawings on board of numbers referred to. 2/16 W To CO ARIZONA Gives Instrns cc Pacific Fleet 3/3 CO ARIZONA arrangement of forced tube system Model G receiver and wiring- fwds print. 3/17 W CO NEVADA- Fwds drawings. 3/24 W.	

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Number.	Date.	From or To—	Subject.
609053	2/8	American R/R/Corpn	3 S tubes shipt to Bureau; operating data also fwded. W.
609501	2/7	American R/R/Corpn	Have received invoice cov two vacuum tubes loaned for experimental purposes- request same be cancelled. W. Fwd Washington 2/18 RB 3/14/22 W. To Amer Radio & Research Corpn- Gives- comment 3/16
609556	2/13	Washn.	Request sotck of vacuum tubes be furn. W. To S&A Reqst shipmt of tubes from Phila to SO Washn 9722 2/16 RB 3/4 W Washn- Are fwding requisition cov tubes. 3/24 W To Washn- Gives Action taken rel test of tubes 4/6 Fwds Phila 4/6 Western Elec. Co. 4/10 W. To Western Co- Reqst Inform 4/8
TO CARD	373		
609009	2/13	To S&A 9697	Reqst shipmt of mat from Washn to SO MI W RB 3/14/22 W.

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Number.	Date.	From or To—	Subject.
608668	2/8	Hammond Labr. (T)	Ask when shipt order SE 1100 flying boat transmitter will be made. W. To-- (T) Gives status of shipment 2/9
608649	2/7	Washn.	Subm recommendations as to purchasd of resistance units. W.
608652	2/4	O. H. Wolf.	Ask if can purchase short wave receiving outfit. W. Fwd S&A 2/11 To A H Wolf- Gives Inform 2/11
608058	2/6	To S&A 9658	Reqst shipmt of tubes from Phila to SO Washn W
608059	2/7	To Chasn	Radio Buzzers transmitting sets Gives Status of W. Chasn- 2/27 To CC- Reqst Inform 3/3

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Number.	Date.	From or To—	Subject.	
608850	2/8	Washn.	Job order covering type SE 3649 receivers and status of. W. To Comdt Washn- Status of 2/23 W To Washn-- remodeling of receivers 8/11 Washington- Job order cancelled. 8/18 W To Comdt Washn- No more receivers of this type required 9/5 W	
608061	2/8	To Washington	Fwds Plans listed W	
608066	2/8	To Westinghouse Co	Reqst inform on the characteristics of tube W	
608873	2/7	American R/R/Crpn	Fwds 3 S tubes rectifiers with comments on. W To-- Gives Inform 2/14 American R/R/Corpn- 3/4 Fwds 3 S tubes. W. American R/R/Corpn- Fwds new S Tubes.3/8 W American R/R,corpn Fwds new S tube Rectifiers for test 6/6 W To American Radio and Research Corp- Reqst Inform 6/13	
		Am Radio & Reserch Corpn 6/15 W Fwds Research Lab Washn 6/20 To Am R & R Corpn- gives inform rel tests 7/14		
608347	2/13	To S&A 9691	Reqst shipment of tubes from Washn to SO Anacostia W RB 3/9 W	

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Number.	Date.	From or To—	Subject.
606545	2/2	To Washington	Wave Indicator for arc and tube transmitters- Reqst plan and estimate W MI- Heterodyne-fwds sketch of proposed wave meter. 6/21/22. W. 893-4 Fwds Bu Standards 7/13 Bur Stand Labr- Subm comments on. 7/15 W To MI- Reqsts inform 7/21 Mare Isl- Subm estimate cov drivers. 8/4 W To MI- Reqsts driver be fwded 8/16
TO CARD	409		
607498	2/2	Navy Sup Depot (T)	Can supply 5 KW spark gap. W. To C-I-C. N.Y. (T). Ask if spark gap complete with holder in store or satisfy substitution 2/3
607955	2/3	Western Elec. Co.	Fwds Marine Corps type receivers. W. To-- Returns sample receivers 2/13
608186	1/28	Pacf. Destry	Request disposition of burned out vacuum tubes. W Fwd LSA cc Pacific 2/17
608488	2/1	W. H. Johnson	Ask if can purchase receiving set. W.

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Number.	Date.	From or To—	Subject.	
517715	FROM CARD 293		Washn. 2/3 W	
603994	FROM CARD 345		N.Y.- Request Bureau after 1/13 be cancelled. 2/6 W. To Atl Fleet- Gives instrns rel location of plans 2/9 Atl. Control Force- Fwds drawings. 2/17 W To NY- Reqsts Post office Dept investigate delivery of prints and report to Dept 3/10 Cross 685 To NY- Reqst report 4/5 N.Y. No registered package recd from Bureau 4/14 W To NY- inform rel prints 4/21 N.Y. Ask if more than one set of prints fwded. 5/16 W.	

[OVER.]

Number.	Date.	From or To—	Subject.
606185	1/26	To S&A 9594	Reqst shipmt of amplifier from Phila to SO Washn W
606886	1/26	Hammond Labr.	Fwds specifications for proposed test on improved transmitter and receiver. W.
606179	1/27	To Great Lakes via 9 Dist	Reqst inform as to number of 2-stage radio amplifiers W 9th Dist- Lists two state radio amplifiers on hand. 2/19 W To S&A Reqst shipmt of amplifiers from Great-Lakes to SO Washn 9734 2/17 RB 4/29/22. W 9th Dist 2/17 W 9th Dist 2/20 W
CARD 356			
607101	1/25	L. B Boellner & Son.	Ask where radio receiving equipt may be obtained. W. Fwd Bu S&A 2/4 To L B Boellner & Son- Gives inform 2/4
607198	1/3[illegible]	Pug.Sd. (T)	Request immediate delivery of motor buzzer transmitter sets for destroyers. W. To Pug Snd (T) Will ship MI from Phila via ARCTURUS sailing March 15 2/1 To S&A Reqst shipment of Buzzers from MI To SO Pug Snd 9641 2/2 RB 7/19/22.W To S&A Reqst shipment of Buzzers from Phila to SO Pug Snd 9642 2/2 Pug/ Sd- report motor buzzers being recd in broken condition 4/14 W. Fwds S&A 4/22 W cc PUg Sd RB 6/17 W

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Number.	Date.	From or To—	Subject.	
607255	2/1	To S&A 9631	Reqst shipmt of Amplifiers from Boston To Washn W RB 5/26/22 W	
593892		fwded from card 336	To Chasn Estimates approved 2/2 W 14th Dist- Subm estimates. 1/19 W Asiatic Fleet- Request 8 motor buzzers be shipt to Cavite. 12/29 W To C-in-C-reqt data re instaln on ships-2;21 W Norf- 5/18 W To Norf-- Gives inform rel instln of buzzer cc CO's BRIDGE PROMETHEUS 5/23 Norf- Motor buzzer transmitters not installed on BRIDGE & PROMETHEUS. 5/31 W. Asiatic Fleet- 2nd endorsement only recd 5/31 W Asiaitc Fleet- Subm report from Cavite. 8/3 W To Cavite- rel instln of buzzer transmitter dc CO's- Asiatic Fleet- MI 9/12	

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Number.	Date.	From or To—	Subject.	
606019	1/23	Washn.	Model TE transmitter - instln plan- fwds print. W	
604901	1/23	To Co Anacostia	Assignement of Radio Research Problem on Special Type Receiving equipment- W Anacostia- 2/17 W To Anacostia- Gives Detld inform 3/22	
606336	1/24	Washn.	Recommendations cov stock of fillament rheostat resistance unit- estimates cov/ order 2/7 To Washington Reqst inform ref ,et Washn. 2/20 W.	W.
606310	1/25	R. W, Chandler	Request wiring diagrams and instrns for operating Navy field receiver. W. Telefe and Towne Mfg Co Fwds catalogue which lists radio apparatus available for purchase from Navy W 1/28	

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Number.	Date.	From or To—	Subject.	
605587	1/21	To S&A 9517	Reqst shipmt of rat from Washn to Anacostia W RB 1/15 W	
33294	1/25	To Brook	Ask if there are any radio spark transmitting sets manfg by E J Simon Available in the used material account WS	629
604428	1/26	To Atl-Pacific And Asiatic Fleet	Batteries for auxiliary Radio transmitters W Quotes from report W	
605734	1/26	To MI	Policy and specifications for Vacuum tubes Comments W MI- will complete tubes. 4/10 . 3/13 W	
606177	1/26	To MI	Arc Transmitter Reqst inform rel work W MI- Not adviseable to continue investigation 2/2 W To MI- Gives Inform 2/16	
606178	1/26	To Pug Snd	Test of "Spark-O-Metals" Product for quenched spark gaps W Pug.Sd- Report on status of materil for quenched spark gaps. 3/10 W To Pug Snd- ack receipt of status 3/21	
606185	1/28	To S&A 9602	Reqst shipmt of Amplifiers from Norf to Washn W RB 5/26/22/W To S&A Reqst shipmt of Amplifiers from Ports to Washn W 9594- 1/26 RB 4/29 W. RB 5/26/22.W	

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Number.	Date.	From or To—	Subject.
605225	12/13	Cavite	Request disposition of receiver recd from ALBANY. W To Cavite- Gives disposition of cc 1/20
605517	1/16 1/19	Falk Telephone & Tele. Co. Dept	Calls attn to Co's types of radio telephones systems- W. 902 Memo for Dept- rel inventions 1/24
604895	1/19	To Mgr Aircraft Fac Phila via Comdt	Vacuum tubes Status of W Aircrft Facty 2/8 W To S&A-comments-2;20-W S&A- Copy action to Aircrft Facty. 2/21 W Phila- Recommends tubes be not used. 5/1 W To Aircraft Fac via Comdt Reqst itemized list of equipment be furnished 5/10 Phila- Gives list of material invoiced to aircrft Facty from GE Co. 5/16 W
605710	1/20	Washn.	Design problem 85 rcvr amplifier and receiver combined- report cov with prints. W. Fwds Anacostia 1/27 W RB 2/8 with print. W Anacostia- Report on requirements for radio receiving equipt for aircrft. 2/2 W To Washington Gives detld inform rel apparatus 2/8 To Washn - desires that design problem #85 be confined to Scout plane receiver 10/17

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Number.	Date.	From or To—	Subject.	
605821	1/16	Pacf. Fleet	Copy of letter to Air Sqds. giving instrns rel to modification to type SE 1345 transmitters. W. Anacostia 1/31 W Anacostia 1/31 W	
604902	1/21	To Washington	Fwds photostat cc of listed plans W	
New York	Req 908 1/21	To NY	Calling for vacuum tubes Gives inform W R	
595027	FROM CARD 335		Y&D Copy action to Pug. Sd. 1/23 W. Pug. Sd. Estimates coy construction in coil and house at Ryak. 4/18 W To Pug Snd- Gives instrns 4/26	

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Number.	Date.	From or To—	Subject.
604428	1/13	Phila. Q-6	Batteries for emergency transmitters on destroyers are in bad condition- gives reasons- suggest be used regularly. W
603995	over		
603994	1/13	To Comdts Yards Fleets	Fwds Plans ;Gives Instrns rel W CO MARYLAND 1/18- Fwds prints. W. Pacf. Fleet- Returns booklet of drawings. 1/19 W Atl. Battleship Force 1/25 Returns various prints. W. Atl. Control Force- Request drawing be furn 1/29 W. To C-I-C Pacific Fleet- Reqst inform rel plans 2/6
TO CARD 349			
604188	1/14	To Comdt Washington	Manufacture of 6 cathode sheaths reqst estimate be submitted W Washington- Subm estimates. 5/22 W. To Washn-- manufacture of cathode holder sheaths authd 6/10
604948	1/11 1/14	United American Lines. S&A	Request auth to purchase 5 KW Lowenstein radio transmitter spark gap. W. Fwd S&A 1/21

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1922

Number.	Date.	From or To—	Subject.
604967	1/16	Washm.	Request design problem be assigned cov modifications to type SE 1722 circuits- uni-wave key. W.
603995	1/13	To O-I-C Bu of Standards on W	New type selective Receiving system comments RB 1/18. W.
604185	1/17	To Dir Bu of Standards	Reqst device or a duplicate be loaned for service tests W Bureau Standards- Will fwds description of relay. 1/20 W To Dir Bu of Standards Gives Action 1/28
604190 TO CARD 369	1/17	To Phila	Removal of transmitters Reqst estimates cc Inspr machy Phila W Phila 2/8- Subm report. W. To Comdt Phila- Reconditioning of 2/23 W Phila- Gives name plate data. 3/13 W To- Phila auths use of various parts 3/22 To Phila- reconditioning of trans auth 3/29
604886	1/18	To O-I-C Brook	Reqst total number of transmitting sets in storeand available to issue W Navy Sup Dept- 1/23 W. S&A 1/25,W

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[OVER.]

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Number.	Date.	From or To—	Subject.	
479458		fwded from card 271	To Westinghouse Elec & Mfg Cotubes to replace the six turned out are to be shipped to SO Washington marked as listed 1/7/22 W To Westinghouse- R eqst tubes be returned 4/11 To Westinghouse Co- Gives status of shipment 9/13	
602821	1/5/22	To S&A 9469	Reqst Shipment of material from Washn to SO 15 Dist W R	
595029	FROM CARD 335		MI- Rqst copies of previous letters cov stand stock of vacuum tubes. WR 1/6 689-MI To MI- Fwds correspondence 1/18/22 MI- Status of stock. 1/27 W. S&A- Copy action to Washington. 8/29 W	

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Number.	Date.	From or To—	Subject.	
603314	1/11	To Washington	Specens for Radio Receiving batteries Test of Holmes Semi-Dry Storage batteries Reqst Recommendations W Washn- Report of test cov 3d sample of Holmes semi dry storage batteries 2/13 W. 882- 1 Holmes To Holmes Semi-Dry Storage Batty Co- Not satis for for radio work 2/18 W	
603674	1/11	To Norf	Reqst status of Design problem #116 W Norf- Gives description of design. 2/3 W	
603676	1/11	To Washington	Investigation of Arcs at Washn yard by J A Willoughby of Bu of Standards- Gives instrns W	
603992	1/12	To J H Hammond Jr (T)	Wire Date completion special transmitter for Anacostia W Boston-J. H. Hammond will be in Washn. 1/30 1/13 W	

Number.	Date.	From or To—	Subject.	
603054	12/1 1/4	Director General, Post and Telegraph, Havana Communication	Request 4 dozen vacuum tubes manufd by Western Elec. Co. be furn. W. To Dept- (Sec Sig) Fwds letter from the Director General of Post and Telegraph Havana Cubal/11/22 War Dept- Ask if tubes are available.1/17 W	
53076	12/31	To Washn	Vacuum tubes- Revision of specns WS	629
602440 To 355	1/3	To S&A 9418	Reqst shipmt of Receivers from Washn to CO Listed W To S&A Reqst shipmt of Receivers from Boston to CO 9419 1/3/22 CO CUNNINGHAM 1/10 W. To CO- Gives Action 1/19 To CO- Rel transfer of amplifier cc CO-Chasn 1/19	
602612	1/4	To Washing	Reqst listed instruction booklets be forwarded to Bureau W Washn- Lists instrms books shipt. 1/27 W	
602617	1/4	To Washington	Fwds Photostats W	

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Number.	Date.	From or To—	Subject.
602818	1/6	To Submarine Bases listed	Fwds "Manual of Radio Telegraphy" W
603123	1/6	To Aircraft Fac Phila via Comdt Phila	Vacuum Tubes- Status of W Aircrft Facty- 537 pliotron vacuum tubes in stock available fr issue. 1/13 Y To Phila via Comdt Gives Inform 1/21
603323	12/7	Cavite	Request disposition of burnt out tubes and audion bulbs. To Cavite- Gives Instrns 1/12/22
603576	1/4	Hammond Labr.	Request 250 Watt vacuum tube transmitters be furn instead of 50 Watt. W. To-- Gives Action taken cc Ordn 1/13 Hammond Labr- Request expedite shipt 1/17 W
603610	1/6	F. E. Lehde	Ask name of Co. manufg amplifiers used in recent public meetings in Washington and New York. W. To-- Gives Inform 1/14/22

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[OVER.]

RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
602152	12/27	Washn.	Sample Morse key submitted cannot be used in present form. W. Fwd Ports 1/6/22	
602153	12/27	Washn.	CW 1818 vacuum tubes- report cov shortage in stock- recommendations to purchase. W.	
602175	12/27	J. F. Smith	Ask if can purchase a receiving set from Naval Supply Base. W. Fwd S&A 12/30 To J F Smith Gives Action 12/30	
602231	12/20	Bur Stand. abr.	Test of negatron and tube sued to produce radio frequency oscillations - report cov/ To War Dept Fwds report on tests 1/19/22 W.	
601955	12/28	To Washington	Specifications for CW 1818 vacuum tubes ested W Washn- Fwds prints showing transmitting vacuum tube. 3/24 W.	Requ
601960	12/28	To Bu of Standards	All data rel Modulating Vacuum Tube Transmitters shld be forwarded to Bu W	
601961	12/28	To Anacostia	Radio Research Problem Assignment of W	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.
588911		fwded from card 331	To S&A Reqst shipment of material from Pug Snd to CO 's listed W 12/29 RB 11/20 W S&A 5/2 W S&A- Copy action to Pug.Sd. 5/22 W S&A 8/28 W
602187	12/30	To MI	Reqst inform as to authority on which type SE 3531 1-KW Radio transmitter were issued to Sub Base San Pedro W MI 1/10 W
588637	FROM CARD 330		Washn- Fwds copy instrns for modifying type TC radio equipt. 12/30 W Washn- Status of shipt of transmitting tubes 2/15 W Washn- Fwds wiring diagram for receiving apparatus. 3/20 W. To Washington- Gives Action taken 3/28

RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
601166	12/19	Washn.	A. C. Tube set for operation with 5 and 10 KW parts in conn with wave lengths for. W. To Washington Gives inform rel tube set 12/28	
601165	12/19	Washn.	Fwds letter from C. Speaker describing approved method of accomplished multiplex tranmission and reception of radio signals. W. To Washn. Gives Instrns 1/24 To S&A R sts shipmt of Telegphones from So Brook to Washington 6/30 W RR 7/24/22 W To CO Anacostia- gives instrns cc Washn 12/8	
		#627		
600787	12/21	To Washington	Reqst estimate covering manufacture of equipment be submitted W Washn- Subm estimates. 1/26 W To Washn manufacture of transmitters authorized 2/13 Washn- Subm inform on spark set 4/25 W. To Washn Gives Action taken 4/29 Washn 5/26/22 W. To Washn- Gives inform rel work 6/12	
TO CARD	394			
600790	12/21	To K & C Mfg Co	Fwds print Amplifiers cc S&A W Ship Owners Radio service 12/22 W K C Co. 12/27 W	
600792	12/23	To S&A	Disposal of surplus equipment Reqst status of sets W	

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Number.	Date.	From or To—	Subject.
600797	12/24	To Washington	Model letters for alternating current tube transmitters Gives assignment of W Wash. 12/5 Submits inform rqstd W
601556	12/24	To Washington	Tube transmitters Gives instrns rel completion of W Washn- Report on adjustment on tube transmitters 3/23 W To Washn- Gives instrns 4/10
601560	12/24	To Comdts Yards CO's	Fwds Plans W with instrns W To Norf Fwds Plans 12/28 CO DELAWARE Fwds revised drawings. 1/5 W Norf-Fwds prints. 1/20 W N.Y.- Fwds prnts. 1/19 W Bost--Fwds prints. 1/17 W
601561 CARD 363	12/24	To Western Elec Co	Reqst inform rel modification of tube W To Western Elec Co- Reqst Fwd to let of Dec 24 2/2 Western Elec. Co. Subm quotation. 2/4 W To-- comments 2/15 Western Elec. Co. 2/21 W
Bos NSA61373-22 12/23		To Boston	Tubes, Vacuum Receiving Gives Action Rs

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[OVER.]

Number.	Date.	From or To—	Subject.
599408	12/10	To Washington	2-stage Audio-frequency amplifiers- defective; Reqst inform rel W
To Washn-auth repair-3;1_W			Washn- 12/27 W.
CARD 362			Washn- Subm estimates. 1/24 W To Washn-Give inform rel cost 2/4 Washn-Can manfg units at a cost W to compare with that quoted by R&C Co. 2/21 W
599885	12/10	L. L. Driggs	Request diagrams of actions of type CN-113 Navy radio receiver. W. To-- Has no instrn booklets or wiring diagrams available for issue 12/15 Driggs Ordn.& Mfg.Co.- 12/29 W
600255	?	American T/T Co.	Request instrns for radio receiving set. W. unable to supply instrns requested 12/17
600324	12/8	MI	Fwds report on redesign of SE 1440 receivers.W
600344	12/12	GE Co.	Instrn books for Submarine transmitters- gives changes made. W. To GE Co-- Action 12/15
	SEE CARD 385		To Inspr Mat GE Gives inform rel books 5/2 Inspr GE- Fwds negatives of photos shown in instrn book 5/16 W
8902	12/2	Ports	Fwds sample of shielded Morse key and one 706 spare shield. RW
600290	12/14	Washn.	Fwds telegram from N.Y. asking if pliotron tubes can be furn at once for test. W. To S&A Reqst shipmt of tubes from Phila to SO NY 9362 12/14 RB 1/20 W.

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Number.	Date.	From or To—	Subject.	
599685	12/15	To Washington	Fwds Vandykes Booth Key Switch W	
599686	12/15	To Washington	Fwds specifications radio transmitters W	
599688	12/15	To Washington	Fwds Plan for the use of the Radio test shop W	
600743	12/16	GE Co.	Fwds copy of photo showing 1KW, 200 watt transmitter and radio receiving equipt- W To GE Co- Ack receipt of equipment 12/22	
600294	12/17	To Washington	Design of Improved Socket for Receiving Vacuum Tubes - inform rel W Washn- Subm report 6/22 W To Washington- Approves design 7/6 W Washn- Fwds prints. 7/13 W.	
600295	12/17	To Washington	Design of Improved Socket for Vacuum Tubes inform rel W	

RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
598501	12/1	Phila.	Request copy of booklet issued by Fed. Tele. covering ins trns for instln and operation of 20 KW arc radio transmitter. W. To Phila Fwds Print 12/7	
599034	12/6	Dept	Fwds beneficial suggestions by A. J. Hodges cov development of coupled arc circuits. W. Fwd LT 2/8 RB 2/28 W Fwds Dept 3/15 RB 3/16/22 approving award of $150. W.	
599132	12/5	Washn.	Fwds list of standard battleship receiver equipt on hand. W. To Washn- Neccy to obtain addtl mtl 4/15 W To Washn- Addtl parts in excess of parts now in store 4/22 W Washn- Request inform rel to availability of apparatus listed. 4/26 W.	
TO CARD 376				
499952	FROM CARD 283		Washn. 12/5 W. To Washn Plans appvd 12/21 Washn- Fwds prints. 1/4 W	
598655	12/5	Phila.	Fwds special report on comparison test of receivers. 87	876

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RECEIVING ND SENDING 1921

Number.	Date.	From or To—	Subject.	
599329	12/6	Anacostia	Radio signalling relay for Key West fwds wiring diagram with descriptions data and operating instrns. W	817
599693	12/8	G. E. Martenio	Request inform rel to radio receiver for sale. W. To -- Gives inform rel receiver 12/15	
599719	12/9	Washington	Fwds list of cancelled contract material in store at Washn. suitable for amplifier. W.	
598772	12/7	To NY (T)	Twenty five units Type SE seventeen five four mailed NW 30 registry number given W	
599193	12/8 RB from Pacf. Fleet 5/24- W------	To S&A 9344 see card 354	Reqst shipmt of mat from Washn to Union W Pacf. Destry Sqd. 4- 5/5/22. W. Washn- Lists materia shipt to ARIZONA 5/17 W Washn- Lists material shipt to PENNSYLVANIA 5/18 W Fwds CO 5/24	
597668	12/13	To Dir Naval Intelligence	Request for purchase of special type vacuum tubes desires to obtain four RB 2/15 W Nav Intelligence- fwds correspondence from naval attache Berlin 3/28 W	

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Number.	Date.	From or To—	Subject.
597396	11/28	To Washington	Audio Frequency transformers-- Reqst estimates W Washn- Estimate cov manufg of oil frequency transformers. 12/16 W. To Washington manufacture authd Est appvd 12/27
597404	11/29	To NY	Fwds print of plans listed on battleship force tune system W N.Y.- Drawings replaced. 1/12 W
597397	11/29	To Bu Standards	Assignment of Radio research problem- Reqst tube be submitted Laboratory- investigation rel W To Bu of Standards- Gives instrns rel investigation 12/10
597415	11/29	To Inspr GE	Radio equipments Desires to expedite inspection, test, and shipment of sets W To Inspr GE rel insph and test of equipment 11/29
597892	11/28	A. J. Harenn	Request information as to specifications and assemblying of receivers offered for sale at Navy Sup Depot. W.
597948	11/28	Ports	Request drawings cov Morse key be changed to show insulating material is required. W. To Ports Fwds Vandyke 2/3

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Number.	Date.	From or To—	Subject.	
598055	11/25	J. Metallic	Request receiving set be furn. W. To-- Gives instrns 12/3	
598192	11/30	Washn.	Subm estimates cov converting 24 SE 899 radio receivers into type SE -3649-A receivers W	
598241	11/30	Hon. J. R. Mann-	Writes in behalf of sale of receiving outfit to W. McQuade. K-W. To Bd of Survey-Gives instrns rel catalogue 12/3 To-- Gives Action 12/3	
598310	12/1	Washn.	Fwds drawings and instrns cov conversion of various types of receivers W.	
598302	12/1	Lowenstein Co.	Request buzzer set be loaned for experimental purposes. W. To ~~NY~~ S&A Reqst shipmt of buzzer from NY to Lowenstein Radio Co 9/15. 12/6 To-- Gives Action taken 12/7 Lowenstein Co. 12/10 ~~To NY-- Ask if motor buzzer has been~~ returned 12/9 N.Y.- Motor buzzer returned 4/16. 12/18 W NY 3/16 ~~Fwds copy letter Dec 18 W~~	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
596389	11/19	To Washington	Fwds Vandykes Motor Buzzer W To Washn Fwds Vandyke 11/19
596506	11/19	To Washington	Regst instruction booklet on Type SE 143 Receiver W Washn 2/9 W
596633 TO CARD 375	11/18	Mare Isl. (T)	Request ship audion frequency amplifiers to CO MELVILLE for repairs on operative squadron. W. To MP (T) amplifier transformers Declexpress from Washington 11/23 To S&A Regst shipmt of transformers from Washn to 30 MI 9252 11/25 rB 10/10/22 W
596632	11/17	E. G. House CANCELLED.	Request process on wireless sets. W.
596627	11/17	C. Pugh	Request radio apprs be furn when ship's are scrapped. W. To- Gives inform rel- 11/25
596909	11/19	Washn.	Design of standard socket for 50Watt vacuum tubes- recommends approve type SE 1716- W. To Washn- Gives Action 11/26
596910	11/19	Washn.	Reprt on test of tye SE 1817- loading coils for 2 kW arc current transforming circuit.W To Washn Gives modification of 11/26 Washn 12/14 W

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Number.	Date.	From or To—	Subject.
597134	11/21	Ship Board 771-2	Ask if Navy can furnish type C 1899 receivers. W To-- Reqst Thrform 11/23
596936	11/23	To S&A 9232	Reqst shipmt of mat from Washn to SO Chasn W RB 12/27 W
597324	11/23	Washn.	Recommends Adams Morgan amateur type receiver be added to list of material to be sold. W. Fwd S&A 11/26
597415	11/22	Inspr GE	Model TE-~~TF~~-TG- radio transmitters- calls attn to slowness of receiver in testing same whereby holding up delivery. W.
597095	11/26	To Wireless Spec App Co	slight error made in plan showing spacing of coil sections of type SE 1817 loading coils ;Ask if change can be made without adonl cost W Wireless Spec.Appr.Co. 11/30 W.
597099	11/26	To S&A 9253	Reqst shipmt of receiver from SO Washn to Bu Eng Washn W

RECEIVING AND SENDING 1922

Number.	Date.	From or To—	Subject.	
589625	FROM CARD 336		Inspr GE 1/4 W. Inspr GE- Fwds invoice- 2/4 KW. Fwds S&A cc Inspr mat GE 2/14 47403	

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
595979	11/10	Boy Scouts Winona, Minn.	Request opportunity to purchase two step amplifiers. W. To-- unable to furnish equipment 11/18
596083	11/16	Inspr GE (T)	Ask if Bureau desires break in system model TE radio sets operate under each dot and dash or at end of each word. W. To Inspr GeCo (T) Gives inform rel break system 11/17
596067	11/15	Natl.Elec.Sup Co.	Fwds copies of inquiries for diagrams of radio receivers manufd for Navy. Rqst instrns rel to procedure to follow. W. To-- Gives Detld inform 11/19
589625		SEE CARD 331 To Inspr mat GE Gives inform rel relays W.S to Anacostia W 11/15 Inspr Brook- (T) 15 tubes will be shipt 11/30 - 11/30 W. Inspr GE- Rqst reply to letter 10/31 N.Y. ? W Inspr Brook-(T) 5 fans shipt 12/1 12/2 W To Inspr mat GE Gives inform rel plate relays 12/5 To Inspr mat NY (T) Fans not received 12/6 Inspr Brook- 12/7- (T) 5 fans shipt. W. Inspr GE 12/20 W. To Anacostia 1/9, RB 12/29 with comments rel to operation of motor generator for the set at Lakehurst 1/2- W. To Inspr mat GE- Reqst estimate be obtained for Addnl resistance proposed by GE Co 1/3/22 Fwd CO Anacostia 1/5/22 RB 1/9 W	To Inspr mat NY (T) Advise by telegraph action taken, shipment second lot- propellers direct To Inspr GE (T) Gives shipping instrns 11/15 Inspr GE- Shipt made 11/11 (T) 11/16 W Inspr GE- (T) Request 200 insulators be shipt. 11/16(W) CANCELLED see 254-771 Inspr Brook- (T) Best possible delivery middle of week, 11/21. 11/17 W. To Inspr mat NY (T) imperative five fans be shipped Anacostia to arrive this week Advise status of shipmt 11/16 Inspr Brook- 11/17 W. To Inspr GE (T) Shipment authd 11/21 To Inspr Mat NY Reqst manufacture and delivery of material be expedited cc Inspr mat GE 11/22 To Inspr GE- Gives Action 11/23 Inspr GE- Subm quotation. 11/22 W. Inspr GE- (T) Shipt made by express 11/22. 11/28 W. To Inspr GE (T) Reqst status of shipment 11/28 To Inspr Mat (T) Reqst status of shipmt 11/28 Phila. 11/28 W. To Inspr GE (T) shipment not received Institute tracer Keep Bureau informed W To Inspr mat GE-
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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
596269	11/14	Hon. J. S. Speaks	Fwds letter from Columbus Ohio Radio Club rel spark transmitter. KW. Enlisted men's Club- Columbus Ohio- Rqst radio set be furn. 11/8 W. To-- Unable to furnish equipment 11/19	
595531	11/16	To S&A 9197	Reqst shipmt of tubes from SO Washn to C-I-C Pacific Fleet W To S&A Reqst shipmt of tubes from SO Washn to Union 9337 12/8	
53009	11/16	Inspr Brook	Fwds samples of ear cups submitted by US Rubber Co. Ask if satis. SW	629
596458	11/15	G. E. Colby	Ask where receiving outfit can be purchased W Fwd S&A 11/23 To George E Colby- Gives Action 11/23	
596453	11/17 CANCELLED.	J. Duncan	Ask if can secure receiving set on board a battleship when they are scrapped. W.	
593892	11/10	To Yards, Atl., Pacf. Asiat Fleets. Circular letter	Desires vessels listed be equipt with model BC motor buzzer transmitters during fiscal year 1922. W. Key West- Reqest two motor buzzer transmitters be furn. 11/16 W. N.Y.-Subm estimates 11/3 W To NY- estimate appvd 12/3 To A J Horen Texas Co Gives instrns 12/3 N.Y.- Subm estimates. 12/15 W N.Y. 1/12 W Chasn- subm estimates 1/23 W	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
594482	11/8	To S&A 9136	Reqst shipmt of mat from Washn to SO NY W RV 12/10 W	
595027	11/10	To Pug Snd	Fwds cc of advance instrns for construction for model "RB" long wave shore station receiving equipment W To MI Fwds cc Advance instrns 11/15 Pug Sd. 1/9- Subm estimates. 1/9 W To Pug Snd expenditure authd cc Pacific Coast Comm- Pug Snd- Yds & Docks- Cordova 1/18/2	
CARD #346				
595029	11/10	To S&A 9158	Reqst shipmt of material from MI To San Diego W S&A 11/16 W. S&A-Fwds request for shipt cov vacuum tubes. 11/26 W.	
CARD 344		To MI Reqst Action 12/1		
595028	11/10	To M.Is.	Alterations to radio transmitters. Reqt infor rel to. W	496
592667	11/10	CO MARYLAND	Report on comparative test of model E and F receivers. W	46-B-6
595583	11/10	Pacf.Fleet (T)	Request immediate shipt of 100 transmitting tubes W To C-I-C Pacific Fleet (T) Gives inform rel shipmt of condensers 11/15	
CARD 351				
595032	11/12	To MI	Reqst report covering the final test of the Fanning relay and any recommendations with reference to the practicability of relay for relaying trans-Pacific Traffic W MI 1/6 W PCCS- Fwds correspondence with comments on 1/11 W. To MI- gives Inform 1/23 MI- have no definite info to add to previous report 2/10 W	

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RECEIVING AND SENDING

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Number.	Date.	From or To	Subject.	
595292	11/12	To Western Elec Co (T)	Will send Speaker NY Monday- Cannot make decision re set until his return W	definite
595712	11/10	S. H. Zaayer	Request radio transmitting set be furn for Columbia Ohio radio Club. W. To-- S H Zaayer- Gives inform; fwds cc let as reqstd by you to Hon John C Speaks 11/17 To Hon John C Speaks- Fwds cc of let to Mr Zaayer 11/17 ;Gives info rm 11/18	
575846	FROM CARD	324	CO QUINCY (T) Rqst assignment of radio apparatus at Mare Isl. 11/15 W. To MI (T) Gives instrns rel repairs to apparatus 11/16	
595832	11/14	Washn.	Rqst spare parts listed for uni-wave keys be furn. W. To Washn-Reqst estimates 11/22 Washn- Subm estimate 12/1 W. To Washn estimated cost of providing spares approved 12/8	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.
593660	11/2	To Radio Research Lab	Bu Standards Manufacture of vacuum tubes by Telefunken Radio Co- Reqst inform W
593661	11/2	To Washington	Vacuum tube transmitting equipment- investigation of proper location of series condensers in loop antenna- Reqst inform rel W
593892	see card 336		
593897	11/4	To Washn	work authd in advance of estimate W Washn- Subm estimates. 12/16 W.
594354	11/2	GE Co.	Request specifications cov 5 WATT vacuum transmitting tube. W. To GE Co Fwds Specens 11/8
594662	11/4	Inspr GE	Fwds letter from GE Co. requesting return of the barrage receiving set loaned to Bar Harbor in 1918. W. Fwd Boston 11/9 RB 11/30 W. Inspr GE- 11/29 W. Fwd Boston cc Inspr mat GE 12/10 RB 12/16 W To S&A Reqst shipmt of radio receiver from Boston to Inspr GE 9354 12/10 RB 2/6 W
594760	10/29 11/5	Hon. T. H. Caraway Navgn.	Request inform regarding possibility of securing a loan of wireless outfit for organizations at Helena, Arkansas. AW. To-- Gives inform rel sale of equipment cc Navign 11/10 Hon T. H. Caraway Reqst quotations. 11/14 KW To-- Gives Action 11/18

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Number.	Date.	From or To—	Subject.	
594852	11/7	Washn.	Subm estimates cov cost of manufg of 3 motor buzzer transmitter wave changers. W.	
594472	11/5	To 5 Dist Hamp Rds (T)	Vacuum tube equipment not authorized must be returned immediately W 5th Dist- Corrects misunderstanding rel to radio set awarded to Dr. Masury. 11/8 W	
594910	10/19 11/3	Destry Sqd. 8 Atl.Batlshp Force	Main spark transmitters calibrated by Phila. are not tuned to 975 meters. W.	
593907	11/8	To Washington	Improvement of meter-buzzers transmitter circuit Reqst investigation listed be made W Washn- Fwds report of investigation of model BC motor buzzer transmitter circuit. 1/27 W To Washn- Reqst estimate be submitted 2/17 Washn- Subm estimates. 4/6 W. To Washn- Expenditure appvd 4/14	
594473	11/8	To Washington	Reqst instrn booklets- Radio receiver be forwarded W Washn 2/9 W.	
594475	11/8	To Washington	Design of break system for Model "TC" sets Reports of W	

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Number.	Date.	From or To—	Subject.
592689	10/18 10/24	W. Harrison JAG	Rel to pbtaining license under patent of H. Boas cov elec spark gap for Wappler Elec Co. W. Fwd Judge Advocate General 11/2
592690	10/25	Western Elec. Co.	Request expedite payment of invoice against Washington Yard for radio material. W To Western Elec Co- Gives inform 10/29 To Comt Washn- Rqsts inspection of apparatus as soon as possible 11/1 W
592373	10/25	To S&A 9058	Reqst shipmt of amplifiers from Cashn to SO Washn W. RB 12/10 W. S&A 11/16 W To S&A Reqst shipmt of Amplifiers from Chasn to Washn 9225 11/19
592436	10/26	To Western Elec Co	instrns given to have SO Washn pay bills for eleven satisfy tubes W
592747	10/26	Washn.	Fwds list ofd receivers of Naval Sup account and used material account with recommendations. W. Fwd S&A 10/29
592785	10/26	Washn.	Subm specifications for automatic motor starter for intra-Fleet motor generator W
592789	10/26	Wireless Imprvt Co.	Subm inform rel to Cutter & Washington Co. making instln of Fuller lubricating current arc. W. To NY Reqst report 11/5 Wireless Imrpvt Co. 11/5 W To NY Gives instrns ;Reqst report be submitted 11/12 To-- Gives Action 11/3

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
592962	10/26	CO OHIO	Report on inspection of Model TC and TD vacuum tube transmitters on battleships of Atl. Fleet. W	493
593262	10;26	9th Dis	Ask if possible to purchase Western Elec Co vacuum tunes for use of naval reserve force.W Fwd Dir Communications 11/3 Communications 12/5 W	
592974	10/27	Darby & Darby	Request copy of Dr. Austin's paper on comparative test of various types of detectors. W. To Mr. A.E.Darby fwds copy 11/1 W	
593310	10/21 10/24	CO PENNSYLVANIA Pacf. Fleet	Subm special report on Western Elec. vacuum tubes used with TC radio transmitter. W.	
593367	10/28	Great Lakes	Request 12 vacuum transmitting tubes be furn. W. Fwd S&A 11/5	
593558	10/19	14th Dist.	Request 6 Western Elec. vacuum tubes and 4 tube holders be furn for stock. W. To S&A Reqst shipmt of mat from SO Washn to P H 9098 11/2	
593973	10/19 11/1	Sqd. 8 Atl. Fleet	Calibration of main transmitters calls attention to apparent error in. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
590190	10/13	Washn.	Report of examination with sketch covering Western Elec. vacuum tubes found defective at Hammond Labr. W. Fwd C-I-C Bu of Standards 1/25 Bur Stand Labr- Subm recommendations cov further changes in type N vacuum tubes, 2/9 W
590443	10/14	Washn.	Subm comments on revision of specifications for type SE 1444 vacuum receiver types. W.
589869	10/13	To Western Elec Co (T)	Vacuum tube - arranging test Washn thrs day 20- W
585169	10/14	N.Y.	Recommends re-design of 1440 A receiver be adopted as a standard for compass recvrs. 919
590892	?	N/ Baldwin	Calls attn to radio head sets manufd by Co. W.
499952	FWD FROM CARD 283		To Comdt Washington- Rqsts revised drawings 1/18 W

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Number.	Date.	From or To—	Subject.
584002	FROM	CARD 327	J. B. Brady- Fwds diagram of completions. 10/18 W J. B.Brady 10/24- Fwds diagram. W. To O-I-C Lab Bu Standards- Fwds plans To J B Brady Fwds plans 10/21 To Anacostia--~~Fwds plan~~ Gives instrns
590285	10/19	To Washn	Design of tuning unit for intrafleet receiver- Gives instrns W Washn. 10/27 W. Washn- Fwds prints. 11/21 W. To Washn Plan appvd 11/26
591336	10/21	To Washington	Fwds vandyke copies plans showing rigid copper leads for receiver equipment W
592028	10/22	Hammond Labr.	Request return Weston frequency meter loaned during test on OHIO. W
592206	10/19 10/24	Port s S&A	Subm report on deteriorated radio transmitting sets. W. Fwd S&A 10/27
592436	10/22	Western Elec.Co.	Fwds invoice cov vacuum transmitting tubes shipt to Washn. W.
591974	10/25	To Washn	alternating current tube transmitter gives inform W Washn 11/30 W

Number.	Date.	From or To—	Subject.
588911	10/8	To Pug Snd (342 card)	Reqst exact number of medium wave radio receivers- W Pug. Sd.- Disposition of receivers. 11/2 W To Pug Snd- Gives inform rel shipment of receivers cc CO's NEW YORK NEW MEXICO TEXAS MISSISSIPPI 12/28
589088	10/8	To C-I-C's Atl-Pac Fleets	Transmitters.-- Rel modification of cc Boston- NY Norf- MI Pug Snd Washington W Lappr Atl.Batlshp Force- Subm data 10/15 W To Atl Fleet- not desirable to change sets cc C-I-C Atl Fleet 10/28
589625	10/7	Inspr GE	Fwds copy of letter from GE Co. rel to proposed trip of GE Co. representatives to WASHINGTON and SEATTLE and questions in dispute between Navy and Company. W To Inspr GE Gives inform 10/22 W To Inspr GE Gives inform rel conference 10/22 Inspr GE- 4 letters, fwding correspondence with GE Co. rel to radio aprs on contract. W. Inspr GE 10/31 W
589683	10/7	Atl. Battleshp Force	Rqst specifications and characteristic curves of all types of vacuum tubes issued to force be furnished. W. To Comdr Atlantic Fleet- Request for Vacuum Tube Date 10/18 W
486392	FROM CARD 275		S&A- Ask if American R/R/Crpn is to be held accountable for tools. 10/10 W. mFwd S&A 10/15 Aircrft Facty 3/24 W. Fwds S&A 3/29

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Number.	Date.	From or To—	Subject.	
589803	10/11	To Inspr GE (T)	Reqst trace sub radio transmitters shipped 28 period Satisfy Date conference requested Edwards Beshgetoor White Sadenwater 10/18 10/11 W Inspr GE 10/12 W.	
8 589094	10/26 see card 390	To Washington	improvement in high speed key type-Recomds listed addnl improvements in type-- W Washington 6/16 Fwds prints showing recommended improvements W	
589090 To 372	10/12 To Washn- Radio Lab- Washn. 12/1 W. To Washn Extends time for completion 2/1/22 12/7 Washn- Cannot complete work until 2/1 12/21 W To Washn work authd cc Bu Standards 4/6/22 Bu 124 eng #22 10/10 To Western Elec Co ~~To S&A- Gives Action 4/7~~	To Washn Allotment appvd cc Bu Standards 11/23 To CO Anacostia- Test of amplifiers 10/12 cc Washn Washn- Comments on. 10/17 W. Washn- Subm status of improved key. 10/18 W To S&A- Reqst job order 10/28 Anacostia- Report on flight test of type SE 1834 universal amplifiers. 10/31 W Washn 11/8 W	Design and Comparison- Service Tests of Universal amplifiers- W Reqst quotation on quantity and type of Vacuum be submitted W	
589804	10/12	To S&A 8973	Reqst shipmt of receiving unit from Washn to Dept W To S&A Reqst shipmt of receiving unit from SO Washn to Comdt 9721 2/16	
589806	10/13	To Comdt Washn NY- O-I-C Bar Harbor- Comdt Boston	Radio transmitting equipment; Fwds instrn book W	
589428	9/22 10/5	Frisco Trg Sta Washn	Ships request cov vacuum tubes- rqst instrns cov / W	771-2

Number.	Date.	From or To—	Subject.
587230	9/29	To Bu Standards- Washn	Universal amplifier investigation of W
587231	9/29	To O-I-C Anacostia	Comparison of Stray Reducing systems- W
587849	9/28	Pacf.Mine Force (T)	Request auth to obtain two radio amplifiers from Perl Harbor. W. To P M Pacific Fleet (T) Approved W 9/29
587690	9/30	To NY	Fwds Van dyke Arc Anode Tip W
587688	9/29	To S&A 8875 To MI- Gives instrns 10/8 To S&A- Gives Action 10/8 To MI Gives instrns rel equipment 10/13 S&A 10/13 W. S&A 11/15 W MI- (T) Rqst express shipt of batteries 12/1 W	Reqst shipmt of equipment from Brook to SO MI 88 W RB 11/16 W To S&A Reqst shipmt of equipment from Washn to SO MI 8874 9/29 RB 1/21.W. To S&A Reqst shipmt of equipment from Phila to I 8876 9/29 To Aeronautics Reqst for allotment 10/1 To MI Gives Action 10/1 Aviation- 10/3- Copy letter to MI making allotment of $14,400 cov radio material for use in aircrft spotting practice. 10/3 W 584000-602
588027	10/1	To S&A 8883	Reqst shipmt of receiver from Washn to SO Norf W To S&A Reqst shipment of receiver from Norf to Annapolis 8979 10/12 RB 11/4 W
587697	10/1	To O-I-C Anacostia	Fwds Tracings- Transmitter W

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Number.	Date.	From or To—	Subject.
588152	10/3	To Anacostia via CO	Test of sample Western Elec improved Type "N" Tube cc Bu Standards W Bur Stand Labr- N tubes tested. 10/5 W. To Anacostia- Gives inform rel tubes W 10/12
588154 TO CARD 371	10/3	To CO OHIO Chasn- Investigation of performance of uni-wave key -report cov with photos. 12/15 W To Washn 1/10 Re 1/17 W To Washn- Gives Action 2/3	Fwds correspondence W To Chasn- Gives comment cc CO 10/5 CO OHIO Comments on performance of Uni-wave key. 10/27 W. To Chasn- Quotes from report recd from Chasn 10/31
588835	10/4	Washn.	Fwds prints of SE 1000 amplifier. W.
588967	10/4	Internatl R/T Co.	Rqst issue orders stopping further sale from surplus stock of receivers employing the heterodyne principle of operation. W. cross To-- Rqst detld inform 10/12 Internatl R/T Co.- 10/24 W.
589041	10/5	Phila.	Request instrns books for amplifiers and audion control boxes be furn. W. To Phila-- Fwds copies of books 10/29
588637 CARD 342	10/7	To Washn Washn. 11/15 W.	Bu had adopted the policy of using transmittig tubes- W To Washn- Gives comments 10/8 To Washn- Gives instrns 10/19 Washn. 10/27 WU
588632	10/6	To Western Elec Co	Gives Action taken rel visit of DR J M Miller and Lieut H J Menratti to laboratory on October 10 to Inspect tubes W

Number.	Date.	From or To—	Subject.	
585751	9/17	To Washn via S&A	Vacuum tube detectors- Shipped to Various yards for shipping Board- prices of W	771-2
585982	9/20	To ~~We~~ S&A 8800	Reqst shipmt of material From Washn to SO Boston W RB 10/5 W.	
586652	9/23	To Norf VOID SEE card 328	Reqst Status of the design work for operator instruction set- W	
586653	9/23	To Washn Washn- Recommends design be continued at Card. 12/1 W To Washn Gives instrns rel work on design problem 12/7	Design problems- Alternating Current tube transmitters-Reqst change priority for instln project W To Washn Gives instrns-- 10/5	
586654	9/23	To NY	Reqst status of Radio spark Set W RB 10/27 W N.Y. 10/31 W	
574747	FROM CARD 324		Boston- List material received, evidently shipt by mistake. 9/20 W.	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
583848	9/3	Bar Harbor copy	Quotes intercepted messate rel to heter- dyne patents. W	896
587182	9/23	GE Co.	Request specifications cov accetpatnce test on SE-1444 vacuum tubes. W. To GE Co- Will fwd print 9/29	
491440	FROM CARD 278	To Inspr GE Cannot accep vacuum tubes 9/29	Inspr GE- Fwds letter from GE Co. 9/22 W Inspr GE- Fwds contractors letter rel to billing charge for vacuum tubes. 10/14 W. Fwd S&A cc Inspr GE 10/20 RB 11/25 W Inspr GE-matl shipped by Express Sept 7-12;7-W To Inspr mat GE ra lo barrage receiver to be returned to GE Co 12/14	
586666	9/26	To Western Elec Co	miniature vacuum tubes- Gives instrns rel W Western Elec Co.- Subm approximate estimate 9/28 W	
587535	9/26	Washn.	Subm estimates cov cost of manufg of SE 1000 F amplifiers. W.	
587225	9/27	To S&A 8859	Reqst shipmt of equi ments from Washn to SO Ports 8859 W RB 12/2 W RB 10/21 W To S&A Reqst shipmt of equipment from Washn to D H 8858 9/27 To Ports- Gives shipping instrns 10/26 To S&A Reqst shipmt of mat from Washn to SO Ports 9063 10/26 RB 11/21 W. Washn. 10/21 W. (2) To S&A-instrns re shipments-2;25-W S&A-copy action to Washn 2/28 W To Boston- asks if antennas are available. 4/22 W	
TO CARD 374				

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.
584398	9/9	To Western Elec Co	Reqst Inform rel high power metal type transmitting tube W
584614	8/25	Thos. Appleby	Rqst supply of 1/4 to 1 KW trahsmitting vacuum tubes? W. To-- Gives Inform rel tube 9/9
584614	9/9	To Thomas Appleby	
584868	9/13	To Washington	Improvements in design of type SE 1440 receivers; Reqst plans and Estimate be submitted W. To Washn Gives Inform rel Plan 9/15 Washn- 10/4 W
585451	9/14	Alien Property Custodian	Asks commercial vaule of a w KW wireless set. W. To-- Gives Inform rel value of set 9/16
585486	9/14	Norf.	Radio compensators- request price of. W. Fwd Washn 9/20
586233	9/19	Western Elec Co.	Request test of type N-vacuum tube. W.

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Number.	Date.	From or To—	Subject.	
550031	9	SEE CARD 310	To CO OHIO- Test of portable radio setts for life boats- cc Washn W 9/17 To NY-#9787-shipment of transmitters to Washn-2:25-W CO OHIO- Material transferred to Exp.Sta. 3/1 W. To CO- Reqst list of mat transferred from OHIO be furnished 3/11 CO OHIO- List of radio material fwded 3/10 - 3/13 W. To S&A Reqst shipment of Spark Coil transmitter from Annapolis to SO Washn 9862 3/13 Exp.Sta. Two transmitters will be shipt to Washn. 3/16 W. To S&A Reqst shipment of mat from CO to SO Washn 9902 3/17	
6 585652	9/17	To Radio Corpn of Amer	Fwds cc report- inform in conn with test of ten sample vacuum tubes W To Norf Reqst status of work 9/23 Norf- 10/5 W GE Co.- Comments on test. 10/11 W. To GE Co--Will meet representatives. 10/17	
585995	9/8	Boston	Vacum tubes submits list of those on hand & condition of those turned in by USS GEORGE WASHINGTON WR	689-1
586217	9/16	Washn.	Long wave receiver- radio- -fwds report. W.	
586218	9/16	Washn.	Universal amplifiers- request comparative cost of manufg. Estimates to be secured.W.	

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Number.	Date.	From or To—	Subject.
581892	8/19	Washn.	Model RB receiving equipt- fwds revised drawings. W.
582745	8/25	Wireless Spec.Co.	Request drawings of amplifiers. W. To Wireless Specialty App Co Fwds print 8/30
582863	8/23	Pug Sd.	Electrose material for spark transmitters- fwds report of test. W. To Pug Snd Test Approved 9/2
582195	8-26	To S&A	Reqst shipment of tubes from Phila to Wash W 8633 ~~Aircrft Facty. Ask if vacuum tubes will be furn f for stock. 9/23 W~~ To Aircraft Fac via S&A shipmt of tube cc Washn 10/4
583110	8/29	Washn.	Fwds letter from Telegraph Dept, Bahamas returning amplifier, out of order. W. To Telegraph Dept Ack receipt of amplifier cc Washn 9/3
53009	8/30	Inspr Brook	Fwds sample ear cup for radio receiving set submitted by 3 different companies. SW 629
583466	8/31	War Dept	Report on development of rectifying apparatus. W.

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Number.	Date.	From or To—	Subject.
513157	FROM CARD 291		Westinghouse E/M Co.- Reports return of transmitter. 8/3. 8/31 W. To NY Rel shipmt of radio arc set- 9/6 N.Y.9/19 submits estimates for repairs W Fwd S&A 9/24 N.Y.-Copy action to Navy Sup Depot .10/18 W
583956	8/30	MI	Marconi type receiver- request plans of. W. To MI has no data available 9/23
584002	9/3	Jno. B Brady	Automatic transmitter printer reveiver
CARD 332	J Brady- Will ship transmitter to Bureau Stand. Labr and Anacostia 10/4 W. J.B.Brady-10/17 keyboard transmitter fwded to Manufgs for test W.		But high power station- offers set for experimental purposes. W. To-- Reqst inform rel apparatus 9/23
584272	8/2	Pearl Harbor	Light speed key- comments on defects in W 852
584392	9/9	To Washington	Appvs model tuning unit for the Inter- Fleet receiver - W Washn. 10/4. W.
584395	9/9	To Washn	Appvs recomdns rel application of non-synchronous rotary spark gap to inter-fleet transmitter W
CARD 364	To Comdt Washn- 10/18 W Washn-Fwds print showing reactance in use of intra fleet transm 10/24 W		Washn- Fwds prints 10/13 W

RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
578787	8/9	To Western Elec Co	Ask if company is perfecting protective device for use with high power vacuum tube equip. W Western Elec. Co. 8/25 W. To Western Elec- 9/12
579248	8/9	To Bu Stand Lab	Reqt mercury arc rectifiers at Lab be transferred to Wash Yard. W
579256	8-10	To Anacostia	Reqst modification of type SE 1345 airc transmitters, design problem 161-A W
579290	10/15	MELVILIE	6 M tubes shipt to Caimbridge. W.
580076	8/10	Washn.	Test of Hammond radio transmitting and receiving system- report covering W.
580213	8/9	Chasn.	Fwds report of radio aide, L. Clausing on a method for receiving a number of radio signals simultaneously on one collector system. W To S&A Fwds Invoice 5/26/23
579942	8-11	To S&A	Reqst shipmt of material from New Orlns to NSD W 8451 RB 10/6 W. To S&A Reqst shipmt of mat from NO to Brook #8664 8/30
579249	8-11	To Comdt Wash	Assignment of radio resch problem 122- W Phila- Vacuum tube shipt to Westinghouse Co. by aircrft facty have not been rctd. 12/7 W To Washn- Reqst research Problem 122-B be stricken from List 3/30
CARD 368			
	CARD 368		
579770	8-11	To S&A	Reqst shipmt of radio material from N.Orlns to Norfolk W 8449 New Orln- Item F not available for shipt. 9/1 W
		To S&A Reqst shipmt of mat from NO to Norf 8748 9/9 S&A-Copy action to New Orln. 9/12 W	
579769	8-11	To S&A	Reqst shipmt of material from N.O. to Wash W 8448 To S&A 8/30
		New Orln- Rqst certain items be elimi ated- 9/1 W To S&A Reqst shipmt of mat from SO NO- Washn 8781 9/14	~~Reqst shipmt of mat from NO to Washn 8663~~

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Number.	Date.	From or To—	Subject.	
580576	8/12	Anacostia	Subm report on test of universal amplifiers. W.	
579945	8-13	To Comdt Washington	Fwds vandyke copy of break key W	
580656	8/12	Chasn.	Request assignment of Research problem for patent ability of use of vacuum tubes as demodulators by L.M.E. Clausing. W.	
	To S&A Fwds Invoice 5/26/23		Fwd Bu Standards 9/29	
	see card 574		Bur Stand labr. 10/19-Fwds comments. W.	
			To Chasn gives Action 11/10	
579936	8-16	To Anacostia	Design problem- 162-B covering sinusoidally modulated CW transm for spotting planes W	
		918		
581399	8/10	San Diego	Request allotment cov vacum tubes issued to AROOSTOOK K	602
581000	8-20	To Washington	Design problem 164-A design of tuning unit for interfleet receiver W	
581005	8-20	To Bureau of Standards	Problem 43-A Universal amplifer W	
		To Anacostia Wash.	Bureau of Standards 9/20 W	
			Washington 9/21 submits report on test of universal amplifier W	
			Annacostia 9/19 report on test W	

RECEIVING AND SENDING:

Number.	Date.	From or To—	Subject.
576785	7;19	Cape May	W.L.Sayre,gunner,reqt loan of receiver audion control box and amplifier.W To Cape May via 4th Dist. 8/11
575839	7-22	To S&A	Reqst shipmt of tubes from Airc Factory to Lakehurst W 8248 RB 8/12 Y
576726	7/20	American R/R/Corpn	Recommends money be provided to take care of developments of S tubes. W.
576688 CARD 356	7-27	To Otter Cliffs, Fwd Washington 12/10 RB 12/31 W To O-I-C Bar Harbor via Boston-- Gives Instrns 1/17/22	Model RE long wave receiving equipment W copy Washington Bar Harbor- Subm report on long wave receiving equipt. 11/28 W To O-I-C Bar Harbor via Boston- Gives detld inform cc Washn 12/9 RB from Bost 1/7 W
577319	7/22 7/27	War Dept S&A	Vacuum tubes are not surplus- can be sold to Navy. W.
577978	7/21	Washn.	Fwds prints on acceptance testing specifns for vacuum tubes. W.
578238	7/29	J.B. Paine Jr.	Request prints of wiring radio receiver. W To J.B.Paine Jr.-Fwds blueprint drwgs showing wiring diagra of CN 113 receiver. 8/6 W
577777	7/30	To S&A	Reqst shipmt of radio receivers from Washington to N.Y. W 8347

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Number.	Date.	From or To—	Subject.
578479	7/29	United Fruit Co.	Request inform rel to test of large type transmitting set at St. Augustine. W. To 8/4
578291	8-4	To Comdt Washington	Design of tube attachment for 1/2 kw subm spark sets W. To Washn- rel recomdn 8/11
		card 411	Washington- Subm recommendations requested. 9/19/22 W To Washn- gives Instrns 9/23 To Washn- gives inform rel modified antenna 10/19
578297	8/4 To Washn Reqst cost of instln listed 9/21	To Comdt Wash	Telegraphones for trans pacific high power circuit W copy DNC PH MI PCCS Washn- Telegraphone reports on experiments for improvements 8/29 W.
579175	8/2 8/5	Washn. S&A 689.25	Request disposition of magnavox amplifier in store. W. cross fwd S&A 8/20
578780 To- Gives Action 12/7 TO CARD 378	8/6	To Cdr. C. Atl. Fleet 902	Rqst report on model TC radio transmitters and recommendations cov. W. Atl. Fleet 10/20 fwds corres W. To C-I-C Atl Fleet rel report on vacuum tubes 10/26 To C-I-C Atl Fleet Atl. Fleet- Fwds report from battleship force. 3/28 W.
577776	8/8	To S&A	Reqt shipt of blinker sig sets from Wash to Bu. W
578786	8/9	To Wash	Fwds copy of drawing showing alterations to TJ Tube transmitters. W

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REC & SENDING 1922

Number.	Date.	From or To—	Subject.	
573848	7-13	To S&A	Reqst shipmt of radio receiver from CO HURON to Washington W 8126 Shipt order from Wash to HURON 7/13 8125 S&A 1/3 W Rp Status of Receivers 1/6/22 S&A- Fwds correspondence rel to shipts 5/6/22 W	
	see card 379			
574939	no date error see 899	Lieut Comdr V. Baker	Reqt title of permanent lease of land in San Geronimo naval reservation.W	
574905	7;13	Norf	5 kw standard booth break relay-fwds prints.W	
574947	7;13	Radio Corpn	Government of Venezuela reqt amplifiers ask if shall furnish.W To 7/16	
574898	7;12	Washn	Redesign of anode tips for arc sets-fwds prints with recommendations.W To Commdt Wash 7/21	
573841	7-14	To S&A	Reqst shipmt of transm equipments from Hamp Rds to Phila A F. W 8113 RB 10/5 W	
574568	7-14	To S&A	Reqst shipment of radio trans from Anacos to Lakehurst W 8130 RB 3/24 W	
574572	7-14	To S&A	Reqst shipmt of radio material from Wash to Rockaway Beach W 8131	

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Number	Date.	From or To—	Subject.
567324			
562734	from card 317		To American R.R. Corpn- return of spark set from Washington yard to your company at your expense. W copy ComdtWashn. 7/15 To Comdt Wash 7-15 To General Elec Co 7/20 GE Co. 7/21 W. GE Co.-Subm inform rqstd.7/22 W American R/R/Corpn-Satisf to return transmitter at Co's expense. 7:25 W To GE Co 8/2 GE Co.-Will fwd data in a few days. 8/19 W Inspr GE- 10/5 W Washn- Report on sample submitted by American R/R/Corpn. 2/24 W
574747	7-16	To Comdts Inspr GE-Rqst GE Co. be instructed to discontinue writing direct to Bureau on contracts. 7/22 W. To Inspr GE 7-27 Washn-Readyfor test 9/30 9/19 W.	Radio telegraph model TD air station radio transmitters, instalm by yards W To Inspr GE contract 47403- model TD trans for airc base stations W 7/15 Inspr GE-7:15-W Inspr GE-7:20-W To Inspr GE- 7/27
574751	7/16	To Liberty Elec Co Liberty Elec.Corpn Fwds prints.8/4 W To 8/10	Comments on drawings fwded, with reference contract 53759- W Inspr Brookn-7:19-W Liberty Elec.Corpn-Subm inform with prints requested. 7/26 W. To Liberty Elec Corpn 8/3
575846	7-21	To NSD Shipt ord from NSD to Norf 8/16 8527 S&A-Copy action Nav.Sup Dep.8/18 W	Status of radio spark transmitters. W Navy.Sup Depot-Copy action to N.Y .7/25 W N.Y. 8/5 W.
576639	7;21	Bu Standards	Ask if can borrow a two kw arc transmitting set for investigation of arc modulation with electrons.W To Standards- 8/17
		Bur Stand- Have secured transmitter elsewhere. 8/25 W.	
576710	7;18 7;22	M.F.Sanborn Comm	Rect info relative to wireless apparatus reqd to receive time.W To M F Sanborn 7/27

685 CARD 329

CARD 325

1-1667 - 823 card

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
572860	7-6	To S&A	Reqst shipmt of receiver from Washington to CO QUINCY W 8023	
572861	7-6	To S&A	Reqst shipmt of transm from Boston to CO QUINCY W 8024 Boston- One Marconi transmitting set shipt from Newport Trg.Sta.for instln on QuiNCY ? X 70-X-6. W	
573289	7-7 To Washn plan 9/9 Washn- Subm report on remodeling receivers. 12/26 W	To Comdt Wash Gives instrns rel	Radio telegraph- design(problem 158-A improvement of SE 3649 long wave receiver W Washn-Estimate cov alterations- 8/4 W To Washington- 8/20	
573692	7;7	Dr.Baruch.Director of Research Lab.Frisco	T Asks if can borrow two kw arc converter from M Is for conducting experiments for reception of wireless messages thru static.W fwd MI 7/13 RB 8/2 W. To Dr Baruch- 7-15 To M.Is--No sets available. 8/6	
573606	7/6	S&A	Copy of letter to yards reqsting suffi- cient vacuum tubes to meet shipping board requirements be kept in stock. R	689
574099	??	American R&R Corpn	Have returned 4 pliotron tubes loaned for experimental work.W	
574400	7/8 7;11 Washington 7/22 W Washn- Job orders issued.9/15 W	Bureau Standards Lab	Reqt Washn yard be auth to build ~~xxxxxxx~~ 6 stage shielded amplifier box similar to 8 stage already supplied.W To Wash 7/18	
574433	6;24 7;9	Dept Commerce NSD	Fwds purchase order covering radio relay key for Sea Gift light Station.W Cross to 678	

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Number.	Date.	From or To—	Subject.
572751	7/1	Anacostia	Recommends C. W. 936 receiver be arranged to CW reception. W.
576674	7-5	To Comdt Wash Yd	Reqst test of universal amplifier, problem 43-A W To Bureau of Stds- 7/5 To Anacostia 7/5 Anacostia-7-7-W Bur Stand Labr. 8/13 W.
Washn-Universal amplifier -fwds prints and test report. 8/30 W.			
576677	7-5	To S&A	Reqst shipmt of radio materil from Wash to Aire Facty W 8022 RB 11/22 W.
576670	7/5	To Comdt Wash	Policy and specifications for transmitting vac tubes- suitability of type CW 1818 tubes for use in model TE transmitter W Washn- Subm inform rel to specfns for transm vacuum tubes. 8/4 W
To--Reqt obtain necessary material. 8/9 W			
576671	7/5	To Atlantic Fleet	Design problem 158 improvement of type SE 3648 receiver- reqst report on use of receiver W To Pac Fleet 7/5 Atlantic Fleet- Fwds copies of correpondence 7/23 W Atl. Fleet- Report of CO PENNA. 8/2 W Pacf Fleet- Comments on changes. 8/5 W Atl. Fleet- Addtl data- 9/1 W.
572922	7/2	Communication	fwds letter from the "Radio Telegrapher" asking if Dept has returned Paulsen arc patents to the Federal Tele Co W To Radio Telegrapher- gives info. 7/13

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Number.	Date.	From or To—	Subject.
570514	6/18	Dept of Public Safety Norf.	Ask if can obtain radio set from Norf. for instaln at police headquarters. W.
569985	6-20	To Comdt Wash	Fwds drawing in conn tests of 500 and 60 cycle spark transmitters W. Washn- Comparative test. 9/9 W.
569982	6-20	To Phila	Reqst status of Marconi 2 kw spark set W reported on change sheet 5/28- assigned to FULTON W Phila. 6/27 W
570683	6/20	Atl. Fleet Copy	Report on test of arc set of vacuum tube transmitter at Washn. Yd. W.
571231	6/21	Ports	Request instrns cov operation of 5 KW arc radio transmitter with ignition signalling system be furn. W. To Ports 7/1
571198	6/16	Conn. T/E Co.	Calls attn to high power rectifier which Co. has developed and ask if interested. W
	To Connecticut Tel Co 7/20		To 6/23
	Connecticut T&D Co-7-22-W		Conn T/E/Co. 6/28 W
	To Conn Tel Co 7/27		To Conn Tel And Elec Co- Gives Inform 7/6
			Connecticut T&E Co-7-19-W
571928	6/23	American Com. for Devastated France	Reqst loan of amplifiers at N.Y. Yd to Navy Club of Manhattan for sending reports of Dempsey-Carpentier fight. W.
	To N.Y. Tel- 6-28		To 6-29
	To Amer Com 6/29		To Amer Com Tel 6/29
571570	6-27	To Annapolis	Fwds copy of booklets for instruction purposes W

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
572017	6/24	C. L. Wiedmann	Request hook-up for Sperry recvg set be furnished. W. To 7/7	
571861	6-28	To G.E. Co.	Reqst status of vacuum tubes, employing theriated filaments, etc., W GE Co-fwds memo relative to thoriated filament for vacuum tubes-7:7-W To GE 7/21	
571862	6-28	To Bureau Standards	Reqst investigate uses of excess stock of vacuum tubes, in accordance with recs made at recent Vac Tube Conference. W	
572178	6-30	To S&A	Reqst shipmt of vacuum tubes from Washington to Bureau of Standards W 7975 RB 9/7 W.	
572185	6-30	To S&A	Reqst shipmt of vacuum tubes from Washington to Airc Laboratory Anacostia W 8008 RB 9/1 W	
572172	6-30	To Comdt Wash Yd	Radio telegraph- DP 66 policy and specfns for transmitting vac tubes- determination of most suitable 250 watt tube for naval use W	
572445	7-1	To Comdt Wash	Design problem 157 design of spark tube trans for 10 kw set W	

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[OVER.]

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
555988	FROM card 313		Washn- Comments in detail. 6/14 W	
569859	6/13	Hon. D. Elkins	Fwds letter from J. Henson in conn with securing a radio set from Washn.Yd. AW. To Hon Elkins 6-17	
53076	6/15	To Inspr GE (T)	Reqst registered parcel post vacuum tube- be forwarded cc S&A S	629
569598 5	6-16 To Washington- 7-12 RB 7/22	To Comdt Gr Lakes IM NO Comdt Key West	Transmission test spark tube transmitter- Reqst report covering W 9th Dist. 6/24 W. New rln- 6/28 W. Key West- 7/2	
570008	5/31	Fed Tele Co	Single wave signalling system for Annapolis Station- gives advantages. W	920-1
569974	6-17	To S&A	Reqst shipmt of radio matrl from Washington to Radio Re Lab Cambridge. W 7857 To Hammond Rech Lab- 6/21	

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Number.	Date.	From or To—	Subject.	
568626	6-10	To CO (CALIFORNIA) 592-6	Fwds copies of instruction booklet on model TC battleship radio telephone equipment as manfg by GE under contract 49333-	W
568631	6-10	To CO MARYLAND 46-13-6	Fwds copies of instruction booklet on model TC equipment as manfg by GE under contract 49333 W	
568869	6-10	To CO TENNESSEE 573-6	Fwds copies of instruction booklet on model TC battleship radio tele equipment as manfg by GE Co under contract 49333 W	
569150	6/8	Magnavox Co.	Have opened permanent sale Office in N.Y. W. To 6/14	
569153	6/10	Y&D	Copy of letter to MI rel to allotments cov quarters. W.	
569133	6/9	S&A	Request information rel to availability of 2 KW spark transmitter for sale. W fwd S&A 6/14	
569486	6/11	E. C. Hanson Publicity	Fwds copy of article on Wireless communication, past present and future. W. To Intelligence 6-18	

Number.	Date.	From or To—	Subject.	
567311	6-3	To Bureau Standards	Assignment of radio research problem W	
567317	6-4	To Comdt Boston 876	Visit of G.E. Co engineer to Boston yard to inspect radio apparatus of battleship Divn five W	
567325	6-6	To Washington	Fwds vandyke copy of drawings W	
567324	See 562734-[illegible] card 324			
567323	6-6	To Washington	Design problem 155- design of vacuum tube unit for converting standard 1/2 kw spark sets into spark tube sets W	
50777	6/3	To Washn	Lists measures decided upon for remedying difficulty with transformers from amplifiers. S	629
542834 from card 307			To Radio Corpn- asks reply be made letter of 5/9 in conn material loaned Company W 6/8 To Radio Corp of Amer Reqst status of mat 8/30 To Radio Corp of Amer- Reqst return of radio equipment 9/30 Radio Corpn of America-Ask if nec to replace equipt. 10/26 W Fwd S&A 12/3	
568267 to card 368	6/6	Radio Corpn America	Subm policies and program adopted by CO which makes vacuum tubes available for radio purposes to Merchant vessels. W. To Shipping Board Gives Action 7/2	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.
568424	6/6	GE Co.	Request specifications cov 250 Watt vacuum tube. W. To GE Co 6-13
568013	6-8	To Amer RR Corpn.	Fwds copy of specfns covering trans vacuum tubes W
568021	6-9	To Comdt Wash	Fwds vandyke copy of drawing W
568787	6/7	Hon. J W. Good	Fwds letter from A. B/ Hoover in conn with securing radio outfit. CW. To A.B. Hoover- 6-17
568888	6/5	J. A. Betterley	Request inform rel to radio apprs used by Navy Ask whether same can be purchased. W. fwd S&A 6/13 To J.A. Betterley 6-13
535390	FROM CARD 302		Washn- Fwds specifications for conversion of 2KW arc equipt to current transforming circuits. 6/9 W To Washington- changes be made to spec 7/8
TO CARD	408		Washn- Fwds specfns for conversion of 2 KW arc equipt two current transforming circuit c 7/26 W. To NY- rel instln of arc set cc Turkish Waters 8/2 To NY- Gives instrns 8/4 To Washn- rel instln of arc set cc Turkish Waters 8/4 To Washn- Reqsts for one set of field coils 9/14 Washn Yd- fwds report on comparison of w KW arc 10/6 W

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[OVER.]

RECEIVING & SENDING 1921

Number.	Date.	From or To—	Subject.	
566129	5-27	To Board Survey	30 kw arc wave changers- Suggests placé in Naval Sup Acct for issue. S&A-Copy action to Bd Survey, 6/22 W S&A-Copy action to Washn. 6/27 W S&A- 6/27 W	W
566436	5/26	American R/R/Coron	Subm plan for Navy cooperation with CO in development of S tube. W. To 6-1 American R1R/Corpn- Subm new proposal.6/6 To 8-3	W
42141	5/25	To IM Norf- NY Comdt Phila MI	Reqst inform as to number of Model "X" and "K" 2 KW Radio arc sets which have been installed and the number on hand unassigned. W	629
566905	6-1	To Comdt Washington	Reqst vandyke and bprints of booklet on field set be fwded Bureau W Washn. 6/7 W.	
567094	5/31	GE Co.	Fwds print photos of pliotron tubes. W.	
567361	5/19 6/2	Washn. S&A	Request authority to over haul amplifier recd from Nassau station. W. Fwd S&A 6/4	
567365	5/27 6/2	Phila. S&A	Spark gap shipt to Byneto Elec.Corpn and rctd by them, not recd; rqst acctg instrns. W Fwd S&A 6/4	
570514	6-24	To Rear Admiral Dillingham Director Public Safety	Cannot furnish equipment required, due to agreement not to sell patented vacuum tube radio apparatus W	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
543989	FROM CARD 307		Atl' Destry (T) Motor buzzers installed on HATFIELD & CROWNINSHIELD 6/2 W. To Chasn 6/6	
566918	6-2	To Washington	Reqst investigation failure amplifer transformers design problem 154- W	
	Washn-submits est-10:27-W		Wasn- Comments on improvements. 8/15 W To Comdt Washington- 8/20 Washn- Revisions of drawings will b e completed 10/1. 9/8 W	
564882	FROM CARD 317		Chasn- Report on comparison test 5/31 W To Norf 6-7 Norf- Fwds report on audibility test.6/14 W Washn- Test report. 9/12 W To Washington ack receipt of Report 9/20 To Washn - Reqsts tests be stricken from list of tests 12/20	

Number.	Date.	From or To—	Subject.	
448672	FROM CARD 250		Phila. 5/19 W. Phila. 6/11-Subm estimates. W. fwd S&A 6/15	
5648774	5-20	To Washington	Elementary test of laoding coil submitted by Shipping Board W Washn- Fwds report of test on loading coils. 6/ 9W To Shipping Board Fwds Elementary test of loading coil unit 7/6 Shipping Bd-Fwds report on test of bading coil-7;13-W	
552501 SEE 896	5-23	To G.W. Carpenter Fed Co.	Reqst return of papers, fwded on22nd March in conn patent for liquid rectifiers. W	
565305	5-23	To Hammond Radio Research Lab.	Fwds report on constants of Western Elec type N vacuum tube. Wire for expr work be delivered on 5/24 by Simplex Wire & Cable Co W copy Ordnance	
565572	5/13	Ports	Request yandykes of connections for model RA receiving equipt- Washn yd fwds. W.	
565672	5-25	To Wash	Fwds vandyke -break key relay type SE 3538- W	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
558530	FROM	CARD 315	Phila. Lists parts missing from list. 5/24 W Shipt order from Norf to Wash 5/26 7548 Fwd Wash 5-28 RB 6/17 W Norf 6/29 W	
565793	5-26	To S&A	Reqst shipmt of coils from Washington to Norfolk W	7542
565985	5-26	To Washington	Redesign of type SE 1440 receivers W	
566194	5/25	S&A	Recommends used receivers and condensers listed be advertised for sale. WR. Fwd S&A 6/10	
566319	5/26	Norf.	Break key system for battleship flag ship, and battleships.- estimates cov W.	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
562269	5/5	Western Elec.Co.	Vacuum tube sockets- fwds sketch showing proposed arrangements of. W. fwd Washn 5-13 RB 6/1 W. To Western Elec 6-3	
562306	5-7	To Atlantic Fleet	Fwds booklet W	
562734 card 324	5/6 American R/R/Corpn 5/14 W To Amer RR Corp 6-3 American R/R/Corpn. 6/6 W. To Amer RR Corpn 6/14	American R/R/Corpn American RR Corpn-7-12-W Request two pliotrons for modulation transmitter be furnished. W. fwd Wash 5-12 RB 5/24 W. To Amer RR Copn 5-18 American R/R/Corpn 5/20 W.		
562865	5/9.	Bureau Stand.Labr.	Fwds report on trip to Boston and N.Y. by J.M.Miller rel to new rectifier tube developed by American R/r Corpn W	
561496	5/2	Washn	Subm comments on criticisms made by Boston Yard on performance of SE 1440 receivers at shore radio compass stations. W	919-1
563263	5-13	To S&A	Reqst shipmt of amplifiers from Washington to Puget Sound W 7389 To S&A Reqst shipment of Amplifiers from Washn to Stations listed 172 5/1	
564517	5/17- 5/17	Washington S&A	Request Grebe radio receivers from WYOMING and NEW YORK be added to list for sale. W. fwd S&A 5/20	
49333	5/16	To NY (T)	Request facilities be extended GE Representative Edward Austin measure antenna constants and place Model TC radio tel equipment in good condition W	629

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REC & SENDING 1921

Number.	Date.	From or To—	Subject.
563586	5-18	To Norf	Design problem 152 A design of and manfg of four special relays. W
	Washn- Subm estimates- 11/15 W		To Norf 8/10
			To Comdt Washn 8/10
			Norf- Subm estimates 8/18 W.
564942	5/17	Hammond Labr.	Calls attn to improved CW transmitter which Labr. has developed. W.
			To Hammond Labr. 5-24
Wash 654	NSA 21 5-19	To Inspr Brooklyn	Reqst status of material from Dubilier Cond Co. WR
565101	5/19	Washn.	Request arrange for nec transmission schools for comparison of 60 cycle and 500 cycle spark tube transmitters. W.
565255	5/19	GE Co.	Subm inform rel to capacity of one KW vacuum tube being manufgd. W.
564879	5-20	To Comdt Wash	Design problem 151, application of non-synchronous rotary gap to 240 cycle inter fleet transmitters W
564882	5-20	To Otter Cliffs via Boston	Comparison test of 500 cycle and 50 cycle spark tube transmitter W Copy Washn.
TO CARD	To Otter Cliffs (T) 5/24		To Comdt Wash. 5/20
319	Bar Harbor- (T) Tu be transmitter test satisf. 5/27 W.		To Chas & Norf. 5/20
	Boston-Subm schedule 6/1 W		Bar Harb- Copy-ask what wave length test will be held on. 5/23 W.
564871	5-20	To S&A	Reqst shipmt of radio trans set fro m NSD to Wash. W. 7495
			Nav. Sup Depot 5/28 W.
			To NSD 6-27
			NSD-7-6-W
			To Brook- Reqst inform 10/13

Number.	Date.	From or To—	Subject.
559526	4/21	S. DeKan	Request inform rel to care and up-keep of Marconi radio receiver. W.
559513	4/22	F. A. D. Andria	Calls attn to facilities for mfg of radio apparatus - fwds sample of galena crystals Co. manufactures W. To-- Gives instrns 4/26
559204	4/22	To Western Elec Co (T)	New panel for transmitting and balancing unit sets can be connected by Washn yard W
559910	4/23	Wireless Imprvt Co.	Rqst inform be furn rel to current transformer circuits for use in conn with arcs. W. To Wireless Improvement Co Gives inform 4/29 Wireless Imprvt Co.- Comments on 5/17 W To Wireless Co 5-25
559205	4/25	To Washn N.Y.- Fwds revised vandykes. 5/28 W	Reqst Vandykes of latest revision grounding Solenoid be fwded W Washington 5/12 W. To NY 5-16
559212	4/25	Comdts Boston Phila Washn To IM Ports NY Norf NO MI-Pug Snd To Shipping board Fwds plan 4/27	Fwds Vandyke re instln arc radio trans, itters cooling water system W
559609	4/25	To IM Norf	Inspn of arc sets; Will send representative from Washington to Norf week April 25-30th W
560215	4;25	Radio Corpn of America	Fwds samples of SE-1444 tube-calling attention to points in which same do not meet specns. K&W Fwd Washn 4/28 To Radio Corpn of Amer Gives action 4/28 Wshn-Vacuum tubes- fwds report on test. 9/9 W

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
560071	4/28	To Washn	Inspection of receiver manufactured by Wireless improvement Co ;Reqst receiver be inspected 4/28W Washn-Report of inspection of receiver subm by Wireless Impr vt Co. 5/9 F To Wireless Imrpovement Co 5-16 Wireless Imprvt Co.- 5/18 W W	
560078	4/29	To Washn 875	Auths manufacture At Washn yard antenna turning systems W Washn-Subm estimates. 8/9 W.	
561012	4;29	European Force copy	Request six 20kw arc anode tips be sent to CO PITTSBURGH.W To S&A Regst shipmt of tips from Washn to Co 7235 5/2 6 RB 6/2 W	
561118	4;29	Norf	Fwds VanDykes describing Hullborg single wave ars key	
561604	?	Denney	Calls attn to crystal detector which he has invented. W. To R.E. Denney- 5-17	
47403	4/30	Wash	Subm report with recommendations cov inspection of TD transmitters at GE Co. SW 629	
478691	5-4	To Phila	Radio material used by Post office Dept. W To Phila-- Reqst list of equipment damaged with Estimates 11/19	

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[OVER.]

Number.	Date.	From or To—	Subject.
557846	4/13	American R/R/Corpn	1/2 KW emergency set with audion control panel shipt to radio test shop Washn. W.
557924	4/11	Pug.Sd.	Fwds calibration data for destroyers of Div 2. W.
554851		SEE CARD 313	To American Radio & Research Corp -Arrangements being made whereby Dr J M Miller will visit lab or or about 5/1 for a conference in conn with tube rectifiers W 4/15 American R/R/Corpn. 4/18 W. To Amer Radio & Research Corp- Re visit of J M Miller W 4/20 American R/R Corpn 4/23 W To Amer RR Corp 5-17
557887	4/18	To Washn	Design Problem-Amplifier transfer switch for Short wave shore station receiving equipment W Washn- Subm estimates. 8/11 W

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
558527	4/18	To Floyd H Carleton	All Radio sets on hand are in use or in store new sets cannot be removed from store without occasioning charge against one of working appns	
557891	4/19	To IM Norf	Radio arc sets in store at Norf; Reqst two sets be inspected and recomdn made as to what mat neccy and what repairs required to place them in efficient condition giving estimate of cost W	
558530	4/19	To IM NY	Gives Instrns re Radio set- spare parts for W	
TO CARD 318		N.Y. 5/10 W. Norf- Subm estimates. 5/14 W MI- 5/11 W.	To Phila Gives Instrns re sets 4/19 To IM Norf Gives instrns re setw 4/19 To MI Gives Instrns re sets 4/19	
558529	4/19	To Washn	Gives list of rowk be done in conn with radio arc set now in store at yard W	
558536	4/19	To E P Edwards Radio Dept Ge Co (T)	Moving picture film desired by Hooper is one Alexandersen used in address on vacuum tube at banquet for international radio delegates at Albany W To-- Ack receiet of film 5/3	
558790	4/19	Liberty Elec. Corpn	Will develop design and build current transformer if awarded contract. W.	
558443	4/22	Radio Corpn of America	Will make allowance for returned tubes. W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
556504	4/8	S&A	Subm list of surplus transmitters at Boston- rqst disposition of. W. To S&A Action withheld pending receipt of rpports 4/27	
556530	4/4 4/9	Pacf. Btlshp Force Nav. Intelligence	Fwds article by Lt. T. B. Inglis rel to vacuum tubes in radio receivers for publication. W. Fwd Dir Intelligence 4/14	
556786	4/11	Chicago Tribune	Ask if will authorize Tribune representative to inspect receiving instruments at Great Lakes with view of purchase. W. To 9 Dist Reqst Rep be permitted to Inspect radio Recr 4/14	
556852	4/8	Lowenstein Co.	Fwds set of photostat copies of magnetic keys and descriptive data- ask if satisf to destroy. W. To- Ack receipt of copies photostat 4/14	
557038	4/8 4/11	Washington Dept	Fwds beneficial suggestions, G. W. Carpenter in conn with development of amplifiers. W. ~~Fwd Sec 6/16~~ Fwd Sec 4/12	
557241	4/12	Radio Corpn of America	Are shipping one receiver manfd by Wireless Specialty Co. by express. W.	
Eng 453	4/12	To Western Elec Co	Rqsts quotation on "G" 50-watt vacuum Transmitting tubes. WR	
557544	4/9	MI	Request prints showing characteristic of vacuum tubes be furn. W. To MI Fwds plans 4/25	

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.
502415		SEE CARD 285	To Radio Corp of America Reqst all data covering ~~shipment of radio receiver be fwded cc Washn W 4/12~~ Radio Corpn of America- 4/21 W
556786	4/13	To Arthur S Henning	If decide upon purchase of app listed Bu will be glad to arrange for purchase of W 9th Dist. 4/20 W.
557663	10/11/19-	Fed. Tele.Co.	In conn with development of arc radio transmitting apparatus - subm suggestions cov. W.
557694	4/11 4/14 CANCELLED	Reeves Pulley Co. V.D. ERROR-	Calls attn to Reeves variable speed transmission in conn with possible instln at Ham.Rds. operating Base machine shop. R.
557696	4/12	Hon. A. T. Treadway	Fwds letter from R. W. Kreimendahl rqsting literature on radio work. CW. To-- Does not have literature 4/18

Number.	Date.	From or To—	Subject.	
553093	3/26	To Washn	Reqst amplifier be modified as listed W Washington 4/4 W.	
553104	3/28	To S&A	Reqst. shipmt of receiver from Phila to Brook 6749 W	
42141	3/18	NLY.	Submits report on condition of arch transmitters S&W	629
552539	3/23	To Im Norf	Auths Norf to manf sufficient number of vacuum tubes battery charging panels cc Shipping board W	771-2
554801	3/19 3/25 To Atl Fleet via C-I-C 4/15	Atl. Train Atl. Fleet	Recommends audion amplifier be supplied to Mine Sweepers and tugs listed. W. To C-I-C Atl-Pac Fleet-Comdrs Atl-Pac-Comdr Train Atl-Pacific- Gives inform re radio app on seagoing tugs- 4/9 American R/R/Corpn 4/11 W.	
554851 Amer R&R Corpn-cannot quote price-necessary for further design to be accopmlished-4;7 To Amer Radio & Research Corp -Reqst inform 4/14	4/2	To American Radio & Research Corp	Gives data on service storage batterie submitted for inform W To Amer Radio & Research Corp Reqst inform 4/5	
554857 Boston Belting Co-4;7-W	4/2	To Boston Rubber Belting Co	Reqst cc of chemical analysis of rubber receiver on plan be fwded W	
554859	4/2	To Shipping Board	Reqst inform re arc sets instld at various yards W	

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Number.	Date.	From or To—	Subject.	
555345	4/2	American R/R/Corpn	Will ship 1/2 KW transmitter with bulb control panel to Washington Test shop. W. To Washn Gives action 4/15	
5 555566 MI- 7/28-Mamfg of key completed. W.	3/29	MI	Request work cov development of uni-wave system be assigned to MI as a design problem - fwds prints in conn with. W. To MI Authd 4/16 To M.I. 7/16 problem 149- W	
555810	4/5	Nav. Intelligence	Spanish Nav Attache wishes to secure radio outfit. W To Dir Intelligence Gives instrns 4/6	
554863	4/5	To T Johnson	Fwds article on Navy Radio tube transmitters also Depts let granting appvl for publication of article W	
555988 TO CARD 321	4/6	Western Elec. Co.	Detailed reports rel to possibilities of standardization of 50, 200 watt transmitter tubes for Navy. W. GE Co. Comments on standardization. 4/14 W To GE Co- Gives inform re tests Western Co 4/26 To Comdt Washn-CO Annapolis Research Lab Fwdsces statement GE Co 4/29	
Bur Stand Labr-Fwds comments from Western Elec.Co. and GE Co. 5/5 W GE Co. 5/10 W Anacostia-Recommendations cov specifications. 5/11 W.				
556118	4/6	GE Co	Comparison of 50 watt radio transmitter vacuum tubing of Western Elec.co. and GE Co.- subm report covering. W. To Ge Co- Gives inform 4/15 To Western Elec 4/26	
555394	4/8	To S&A	Reqst shipmt of amplifier from Washn to Bu Standards 6903 W	
555736	4/8	To NY	Reqst stat s of arc radio sets W RB 4/18 W	

RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.
		SEE OTHER SIDE	
552292	3/19	Pacf Destry (T)	Request 250 vacuum tubes be shipt to MELVILLE and same number to PRAIRIE. W.
		To Pac Fleet (T) Gives shipping status cc MI 3/21	To MI (T) Ask how may batteries in stock 3/21 RB 4/16 W
		MI- (T) Stock exhausted. 3/23 W	
552380	3/3	Pearl Harbor	Request shipt of audio frequency transformers. RW
			To P H Gives inform 3/23
552572	3/18	New Orln. Sales	W. J. Whalt ask if can purchase obsolete or damaged radio equipt. W.
			Fwd S&A 3/22
551988	3/21	To S&A	Reqst shipmt of tank from Chasn to SO Washn 6722 W RB 5/6 W
552767	3/18	Bur Stand Labr.	Resch problem 43- universal driver for heterodyne reception with R.F. Amplifier rqst be constructed at Washn. Yard. W.
			To Wasn Fwds Plan 3/29
552829	3/14 3/21	Washn. Nrf.	Report cov inspection of repair to amplifier received from Norf. W.
552506	3/22	To Washn	Reqst 10 copies of description and instrns booklets be fwded W.
			Washn- Instrn books fwded to Bureau. 3/28 W
552508	3/22	To Washn	Reqst set of vandykes on receiver be fwded W
			Washn - Lists vandykes fwded. 4/5 W
552509	3/22	To Washn	Reqst vandyke be fwded ~~re-recei~~ of latest revision of plans listed W
			Washn- Lists vandykes fwded to Bur. 3/31 W
552501	see 896		

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RECEIVING AND SENDING 1921

Number.	Date.	From or To—	Subject.	
553010	2/16 3/22	Ports Norf.	Request list of parts comprising Y tubes be furn Y	
		VOID- error		
553062	3/22 3/23	Washington Dept Review	Fwds beneficial suggestions of G W Carpenter and W. L. Caison rel to development of amplifiers. W. Fwd Dept 4/12 RB 4/21 approving award of $400. W.	
		See over		
552292	3/24	To S&A	Reqst shipmt of batteries from Washn to CO 6738 W RB 5/17 W. To S&A Reqst shipmt of batteries from Washn To CO 6737 3/24	
552849	3/23	To Washn	Reqst cc of sub receiving eqpt be fwded W Washn-Copies instrn book fwded to Bur. 3/31 W	
552855	3/24	To S&A	Reqst shipmt of transformers from Washn to Sh P H 6736 W RB 10/21 W	
553092	3/25	To Anacostia	Amplifier-Test of-requested W Pensacola- Recommends expedite conversion of amplifiers. 4/12 W.	

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RECEIVING & SENDING 1921

Number.	Date.	From or To—	Subject.
550755	3-14	To NSD	5 kw spark set- ex BALTIMORE. Advise condition W
549565	3-10	Fwded Naval Intelligence	Publication of article on "The Magnetic Amplifier". W
550754	3-14	To NSD	Rel 5 kw arc set ex BALTIMORE. W Nav Sup Depot-Lists parts comprising set 3/22 W
551575	3;14	Norf	CN-113 receivers drawn from stock and installed on DUNCAN and BENHAM.W
551596	3;14	Washn	Submits report on inspection of amplifier installed on Inaugural stand.W cross
551545	3/14	N.Y.	Fwds vandykes of radio transmitter insterns. W.
551771	3/15	Dept Fwd Dept 11/15/21 RB11/18 W To CO OHIO- Gives Action- and comment award to ex Radio and H J lang 12/13	Fwds beneficial suggestion of H J. Lang cov improved rotory control switch for vacuum tube amplifier. W. Fwd Dept 4/9 RB 10/14 W
551883	3/15	N.Y. To S&A Reqst shipmt of amplifier from Brock to Washn 6695 3/21 To-- Gives instrns 3/21 Nav Sup Depot copy of action to NY 3/23 W	Request disposition of amplifiers on hand recd from abroad. W. To S&A Reqst shipmt of amplifier from Brock to Anacostia 6696 3/21 W RB 4/18 W

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RECEIVING & SENDING 1921

Number.	Date.	From or To—	Subject.
551209	3/16	To Washn	Reqst cc of vandyke of latest revision vacuum Tube -specen be fwded W.
551210	3/16	To RadioAudion Co	Tubes will be tested and report fwded W. To Anacostia Reqst recomdn be submitted 3/16 cc Washn
551215	3/17	To S&A	Reqst shipmt of copper le ads from Washn to Pug Snd 6663 3/17 W
551216	3/17	To S&A	Reqst shipmt of receivers from Washn to SO Washn 6662 W. Washington- 11/30 W.
551983	3/4	C. Whittem	Ask if wireless sets or parts thereof can be given to him by Navy. W.
551213	3/18	To S&A	R Eqst shipmt of keys from Washn to Pug Snd 6653 W Rb 4/6 W. ship order 3/17 RB 6/1 W.
551214	3/18	To SO Phila	Reqst inform if amplifier reported at Phila are avilable for shipment W Phila. 3/21 W
551971	3/18	To Washn	Fwds paper on some improvements in pouisen arc . Comments on W. RB 5/6 W To Washn5-17

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Number.	Date.	From or To—	Subject.
550076	3/7	S&A	Vacuum tubes recd from stock is new material and is being reported as showing evidence of previous use- recommends on present stock eb delivered to Radio Labr. for test. W.
550031	3-9	To Comdt Washington To War Dept Reqst Equipment be shipped as listed cc Washn 7/6 War Dept-reqt sets be returned to Brookn-7-8-W To Boston 7/18 copy War Dept. Washn-Recommends transf problem to OHIO. 9/6 W	Radio research problem 113- C emergency transmitter for Life boats- assignment of W To Washn Gives instrns 4/13 Washn- Signal Corps has larger number of spark ~~plugs~~coil transmitters in stock. 5/22 W
13639-197	1/25	Comdt. M.I.--Eng To Washn Concurs in recomdns 9/12 To S&A Reqst shipmt of apparatus from Washn to CO 6756 9/12	Radio Telegraph - Uni-wave arc Signalling system--(in duplicate).
550433	3/8	Radio Corpn America Radio Corpn America-Will allow credit. 8/17 W. Fwd S&A 8/20 To Radio Corpn 8/20	Subm condition cov replacement of damaged piiatron tubes. W. To Radio Corpn of America 3/23 To S&A 5-18 To S&A- dispostion of damaged tubes 5-18
550623	3/8	Bur Stand Rsch Labr Western Elec.Co. 3/18 W Western Elec.Co.-Revised quotations. 4/9 W.	Rsch problem 43- A- covering investigation of universal amplifier - request Western Elec. Co. furnish tubes. W. To Western Elec Co Reqst inform re tubes 3/17
550625	2/26	Pacf. Fleet	Recommends audion control box be shipt to all vessels of Pacf. Fleets equipt with intra fleet sets. W.
550685	3/2	Pacf Fleet	Recommends 2 spare buzzers be furn each battle ship. W.
550686	2/26	Pacf. Fleet	Instln of radio transmitter key in booth of battle ships- recommendations covering. W.
550855	?	Hammond Labr To Hammond Radio Research Lab Fwds report cc Craft Lab- rdn 4/1 Hammond Labr-Subm offer covering apparatus- 4/13 W	Request small N tubes be fwded for instln on torpedo receiver. W. To Hammond Radio Research Lab- Fwds tubes 3/17 Hammond Labr- Rqst characteristics of Western Elec.Co. N tubes. WE ?? To Hammond Radio Research lab Reqst inform 4/21

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Number.	Date.	From or To—	Subject.
550863	1/5	Western Elec. Co.	Type N vacuum tubes- will expedite shipt of. W.
550746	3-12	To Comdt Washington	Redesign of SE 950 receiver- problem 143- W
	Washington 3/22 W.		Nav. Sup Depot- 3/18 lists parts and accessories which could be used. Y
	To Washn Plans aprvd 3/28		
1 551098	3/5	Chasn.	Fwds article of L. Clausing cov use of vacuum tubes for prqeller operati on of power amplification self rectification and rectification of plate supplied for master oscilator. W.
			To S&A Regst shipmt of mercury Arc Rectifiers from Washn to Westinghouse 6600 3/15
551167	3/11	F. A. D. Andria	Ask if will autherize use of radio compass receiver parts as manufd by Sperry Co. on amateur apparatus. W.
	To- Gives inform 3/26		Fwd Washn 3/15 RB 3/23 W.
551334	3/12	Bur Stand.	Fwds description of type of amplifier for short waves using vacuum tubes. W.
			To Washn Bu Standards- Gives action taken 3/17
551279	3/5	Pacf. Fleet	Recommends type 3650 receivers be replaced by type 1420 receivers on all batileships. W
			Washington 3/23 W.
556041	FROM CARD 308		GE Co. Report on methods used to accomplish modulation. 3/10 W.

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Number.	Date.	From or To—	Subject.
548005	2/16 2/21	F. Cutting S&A	Makes inquiry regarding sale of nine 30KW arc loading inductance. W. fwd S&A 2-26
548146	2-25	To Comdt Wash	Reqst vandykes on model RA receiving equipmt W Washn-Fwds prints listed. 3/21 W
534328	FROM CARD	301	Ship Board- Fwds copy of letter from Norf Office r rel to illegal sale of vacuum tubes. 2/24 W Fwd Intelligen 3-5 RB 3-10 Nav. Intelligence 5/4- Report recd from 12th Dist. W.
548374	3-1	To Norf via Boston Puget Sound	Reqst advise when number of type of radio 2 step amplifers available for shipt- W RB 3-7 Norf. 3/10 W ug. Sd. 3/17 W.
548378	3-2	To Comdts IM's CO's	Fwds vandykes- switchboard panel for control gen set. relay key circuit W

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Number.	Date.	From or To—	Subject.	
549391	3-3	To NSD	Prices of radio material- Reqst for, including cost of packing W Nay Sup Depot 3/4 W.	
549168 $60 360	3/1 To S&A Reqst shipmt of app from Washn to SO Brook 6565 3/10 To Radio Corpn 3-9	Radio Corpn of America-	Request loan apprs listed to be used be H. H. Clark on trip to Venesuela and Brazil in conn with static and other radio conditions.W To SO Brook Gives shipping instrns cc NY- IW NY-O-I-C Brook- S&A- Radio Corpn of America 3/10	
549239	2/28 To S&A. Gives Shipmt status 3/16	Ports	Ask of chopper loop and brushes, 5 KW arc transmitter are to be changed in accordance with monthly radio report for Dec. 1920.W To Ports 3-9	
549469	3/2 To S&A Reqst shipmt of amplifiers from Washn to Boston 6985 4/13 To S&A Reqst shipmt of amplifier from Boston to Washn 6984 W 4/13 RB-4;30-W	Boston	Request authority to ship e amplifiers to Washington for over haul. W. To S&A shipmt order from Boston to Wash radio amplifer 3/11 6559 RB 3/25 W	
549499	3/1	Hammond Labr.	Washn-reqt shipping instrns covering-4;9-W New continuous wave transmitter progressing satisfactorily. W.	
549720	2/26	Pug. Sd. p	Fwds letter from P. H. Marriott fwding descriptiga and sketch in conn with possible patent on apprs for preventing air from leaking into quenched spark ga s. W. To R H Marriott via PugrSnd Fwds ~~ape~~ copy of amendment 3/1/23	
52394	2/28	Washn	Subm report on first sample type amplifiers submitted by KC Co. S	898
42141	2/25	Pug Sd	Subm report rel to transmitting sets on hand and installed. SW	629

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[OVER.]

Number.	Date.	From or To—	Subject.
537875	FROM CARD	303	Hammond Labr' 2/4 W. To S&A shipmt of vac tube from Phila to Glouces 2-11- 6277 To Hammond Radio Research Lab 2-12
545002	2/10 To GE Co 3-3	GE Co.	Recommendations covering alteration of reading marking of 250 Watt vacuum tubes. W. To GE Co 2-16 GE Co.- Comments on apparant discrepancies. 2/24 W
545787	2-11	To Lowenstein Co	Reqst return of set loaned you in March 1920- W copy N.Y. Lowenstein Co. 2/14 W. To 2/16
		Lowenstein Co/- Experimental work will be completed during week 4/11-rqst extend lean of apprs. 3/1 W N.Y. 4/5- Subm estimates. W.	To N.Y. reqst detal of man to Low Co 3/7
546032	2-14	To Cendt Chasn	Reqst info as to condition of 5 kw radio arc trans set. W Chasn. 2/25 W. Chasn. 3/5 W.
546041	2-14	To Western Elec Co	Reqst info as to buzzer- W
TO CARD 310		To GE Co- reqst data on appr. 2/16 Western Elec. Co. Subm list of apprs comprising oscillator and buzzers. 3/5 W	To Bur Standards- assignment of radio re problem 107- 2/14
546054	2-14	To Phila	Advise number of 2 step amplifiers in used material accoutn on hand and in oprn condtion W Phila. 2/23 W.
		Phila. 3/8 W. To S&A Reqst shipmt of amplifier from Brook to MI 6630 3/15 To S&A Reqst shipm ot Amp from Phila to MI 6604 3/15	Shipt. order fr Phila to MI ampl 2-28 6464 RB 5/25 W R5-4;2-W
546053	2-14	To Boston	5 kw radio arc trans sets W Boston- No army transm sets on hand. 3/5 W
545208	2-15	To Western Elec Co	Acknow letter in re policy of company with re future development of hp vac tubes W

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Number.	Date.	From or To—	Subject.
546943	2/15	War Dept	Fwds reports on Signal Corps amplifiers and development of vacuum tubes. W.
547064	??	???	Copy of letter to Dept of Commerce rel to automatic radio transmitters. W.
547204	2/16	Washington To Bur Standards 6-3 To Wash 6-6 To Wash 6-24 Wash-Estimate cov manufg of Borsey High volta e system. 7/26 W	Coated fillament rectifier tubes as power supply for high power vacuum tubes- comments on with estimated, rqsting authority to prepare specifications. W To Washn 2-21 To Wash- 8/3/21 Washington 5/26 W.
547027	2-19	To S&A	Reqst shipmt of radio amplifer from Washn to Bur En r 2429 W 6 361
547297	2/17	Washington	Model TC equipts- recoomendations cov desireable changes in instrn books. W.
547409	2/18	Washington	Fwds request of Lt. W. A. Eaton to publish article on radio telegraphy in the Electrical Journal. W. fwd Intelligence 2-24
547042	2-21	To Pacific Radio Sup Co.	Fwds report of tests on tubes as subm by Co. W
547558	2/17	J. L. Lentz	Request recommendations as to make of head lines to use on wireless apparatus. W. To 3-1
547639	2-24	To Washington	Reqst for vandykes W Washington- Lists vandykes fwded to Bur by messenger. 3/2 W
547995	2/21	Washn	Subm discussion rel to tube transmitting development for quenched spark equipt with sketch. To Wash W 5-2

Number.	Date.	From or To—	Subject.	
542834	1-29	CARD 320 To Radio Corpn.	Reqst date when material loaned company will be returned. W	
544026			To— Reqst reply to letter 1/29 3/10/21 To Radio Corpn 5-9-21	
		Radio Corp of America 3/15 W Radio Corpn of America 3/21 W		
543525	2-1	To Westinghouse EM Co	Fwds copy of report of tests made on tubes subm.- Reqst comments W	
543539	2-2	To N.Y.	Reqst copy of drawing be fwded W N.Y.- Fwds vandyke- 2/7 W	
543565	1/21 1/28	Annapolis Nav Academy 920-1	Report covering arrival of equipt for instln of Hallborf high speed key system. W.	
544026	1;31	Radio Corpn of America	Short wave receiver borrowed June 24,1919 will be shipped to radio test shop Washn. W	
544072	1/29 1/31	Fed. Telephone & Tele. Co. S&A	Subm suggestions rel to changes in specifications for shielded telephone cord for radio head telephones. RW. Fwd S&A 2-17	
544422	2/1	washington	Fwds prints of SE 1530 receiver. W.	
543979	2-3	To S&A	Reqst shipmt of Bakelite rod, from South Brook to Norfolk W	6160
543987	2-4	OTHER SIDE CARD To Destry Force Pac Flt.,	Motor buzzer transmitters, model BC for destroyers- W copy Oprns. Pac Destry Force- 2/11 W To Comdt Mare Island 3-1 To Puget Sd 3-1 MI- Subm estimates. 3/14 W To MI - Rst appvd 3/24 Pacf Destry-(T) status of instln of buzzers 5/4 W	
RB 8/24		To S&A Reqst shipmt of Buzzer from Brook to Lowenstein Co 6829 4/4 To Chasn Rst appvd 4/11 To Pacific Fleet T 5/20 Atl Destry - (T) Instln on BIDDLE will be completed by 7/1. 5/26 W		

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Number.	Date.	From or To— OTHER SIDE CARD	Subject.	
9				
543986	2-4	To Comdr Desty Force Atlantic Fleet	Motor buzzer transmitter, model BC for Destroyers W copy Oprns.	
TO CARD 319		Chasne Subm estimates. 4/1 W To Atl Flt Des Force (T) 5/20	Atl Fleet- 3/1- Recommends shipt to Chasn for instaln W	
		To Chasn- (T) wire names destoyers	Fwd Operations 3-8 RB 3-12	
	5-27	model BC buzzers have been installed	To ChasnDesires buzzer trans instld on listed	
		Chasn- (T) Radio buzzers installed on TILMAN STUART BIDDLE. 5/27 W	destroyers cc Atlantic Fleet 3/26	
544583	2/2	Ship Board	Radio Corpn of America have a receiver in their office manuf by Sperry Co. W.	
544853			To IM Nerf Reqst cc Data 4/4	
			~~Norf- Fwds tuning records. 4/12 W.~~	
13639-197	1/31	Eng.	Radio Telegraph- Uni-ware arc signalling system. (in duplicate.)	
544616	2-5	To Washn	Fwds co ies of drawings W	
3413	2/2	Aricrft Facty Fwds report of actual tubes found defective in store at aircrft facty. SW		629
51272	2/5	Insp GE	Transmitters for Submarine tenders aircrft tenders and Scout Cruisers- fwds copies of proposed alterations to specifications- Also prints. SW	629
469442	1/28	Western Elec. Co.	Recommends vacuum tubes be furn unbased.	~~882-3~~
530418		FROM CARD 300	GE Co. 2/8 W.	
		To Washn- CO Anacostia- O-I-c Bu Standards 4/13 W	To GE Co 2-12-21	
			To Washn assignment of problem 112- 2-25	
		see card 388	Washn Ask requirements cov high power vacuum tube transmitting set. 3/17 W	
			To Washington- Gives Action taken rel work cc Bu Standards- Anacostia 3/29	
			To Washn- Gives action- assignment of radio research problem 3/29	

Number.	Date.	From or To—	Subject.	
541755	1/10	Wireless Imprvt Co.	Request drawings showing ignition type key for 2 KW Ed. arc transmitter. W.	
541210	1-21	To S&A	Reqst shipmt of gaskets from Norfolk to Mare Island W RB 3/21 W	6003
541209	1-21	To S&A	Reqst shipmt of gaskets, from Norf to Cavite W	6002
541290	1-21	To N.Y.	Fwds instructions bookets, on radio transm W	
541211	1-21	To S&A	Reqst shipmt of gaskets from Norfolk to Puget Sound W RB 2-15	6004
541864	1/22	Atl.Fleet (T)	Request shipt of 30 vacuum tubes to replace those defective. W. To S&A shipt of vacuum tubes from Airc Fac to CO PENNSYLVANIA viaCULGOA W 1-24 6042 RB 5/6 W.	
541107	1-22 To Comdt MI 2-5-21	To American Radio & R Corpn.	Reqst copies of drawings of radio apparatus W To Lowenstein Co 1-22 Lowenstein Co. 2/10 W.	
541213	1-22	To S&A	Reqst shipmt of gaskets from Norfolk to N.Y. W RB 2-17	6017
541214	1-21	To S&A	Reqst shipmt of gaskets from Norf to Phila W R B 3-1	6018

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Number.	Date.	From or To—	Subject.	
541633	1-21	To S&A	Reqst shipmt of quenched tap, lowenstein type gaskets from Norf to Pearl Harbor W. Rb 3-7	6001
541212	1-22	To S&A	Reqst shipmt of gaskets from Norfolk to Boston W RB 2-9	6005
541755	1-24	To Wireless Impv Co	Schedule 6148 has been cancelled, and Bureau not issuing in drawings in conn with. W	
542421	1/24	S&A	Copy of letter to War Dept requesting vacuum tubes be delivered to Wash. Yard. W.	
479256	FROM CARD 279		Bur Stand. Labr.- Report on test. 1/26 W.	
	Washington- Subm comments on vacuum tube specifications. 3/25 W		Washington- Fwds report on Westinghouse miniature vacuum tubes. 2/2 W.	
	Washn. Subm estimates. 5/18 W		Washn- Fwds report covering rec vacuum tubes 2/2 W.	
	To Washington- 8/19		To Westinghouse Co 2-5-21 copy copy W	
			Radio Corpn of America- 2/8	
			To Washn- adapters for 2-12	
			To Washn. rel test 2-14	
			To Radio Corpns- fwds copy report 2-15	
			Washington- Subm report on new type electron relay. 2/16 W.	
			Radio Corpn of America- Acknowledges receipt of reports. 2/16 W.	
			To Bur Stds. 2-18-21	
			Radio Corpn of America-Reqst addtl copy of report- fwds Co's comments. 3/3 W	
			To Wash 3-9	
			Bur Stand. Fwds specifications on vacuum tubes. 3/8 W	
543518	1-31	To NY	Problem 134- deisgn of guard for type CT 178 resister. Reqst drawings, and estmts. W	
			N.Y.-3/8- Subm estimates with price. W.	

Number.	Date.	From or To—	Subject.	
540119	1/7	MI	Request authority to draw 6 amplifiers from store for use in fanning relay. W.	
	Nav Sup Depo rt 2/23 W.		To M.I. advise use 1-17	
	Canc of shipt order 6329- 3/1 6466		M.Is--Amplifiers requd for building relay.1/26 W	
			To S&A shipmt order from NSD to M.I. amplifeirs W 6329 2/19 RB 12/27/22 W	
540241	1/16 1/12	Davis Co. S&A	Copy of letter to S&A requ sting quotation on radio transmitter; also arc and spark transmitters. W. fwd S&A 1-25-21	
540249	1/12	Washington	Fwds prints covering description of operating instrns for radio receivers. W.	
539864	1-14	To S&A	Reqst shipmt of vacuum tubes from Airc Facty to Washington W RB 2-5	5917
540427	1/12	Washington	Fwds blue prints instrns cov type BA receiver. W	
540499	12/30	Atl. Fleet	Circular instrns in conn with reported illicit sale of radio vacuum tubes by enlisted personnel. W.	
540547	1/14	Phila	Request 18 quenched gap units be furn to replace units issued to CO BLAKELY. W fwd Phila viaS&A 1-24421	
6669	1/11	To Comdt Washn	Reqst sample amplifier subm by Wireless Spec Appr Co be returned to Co WR	706
540382	1-17	To G.E. Co.	Reqst advise in re lack of interchangeability which representative of your Co believes exist. W copy Inspr GE nspr, GE 1/21 W	

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Number.	Date.	From or To—	Subject.	
525557	FROM CARD 297		Phila- Fwds photos 1/13 W. Mare Island- Fwds photos of radio instln on board NARCISSUS. 1/12 W Phila- wds photos of radio instln on board NATIRAR. 1/28 W. ~~Rtrn~~ To Phila 2-9-21 Phila 2/17 W. To Phila 3/22 Phila- Fwds prints with comments on. 4/7 W To Phila Gives action 4/25	
541076 CANCELLED- see 701	1/17	Inspr Westinghouse	Fwds 3 tubes of Vitrohm type manufactured by Ward Leonard Co. W.	
541107	1/13 2/1 W	Mare Island American R/R/ Corpn- Fwds vandykes. To Lowenstein Co 2-15 reqst for drawings W	Suggest spark gap gaskets and units listed be obtained from manufacturers and vandykes fwded to Yard. W. Lowenstein Co.-Fwds assembled prints showing 5 KW spark gap units. 1/27 W	
541290	1/18	N.Y.	Request instrns booklets for 5 KW radio transm manufactured by Wireless Spec.App Co. W.	
541274	1/18	Washington	Report on measurements of model PC transmitter to determine interchangeability of tubes. W.	
541202	1-20	To Wn.	Reqst vandyke and blueprint W Wash- Prints of telephone plug fwded to Bur. 1/31 W.	
48215	1/14	MI	Request authority to install model PC motor buzzer sets on Destrys in active service. SW	629

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[OVER.]

Number.	Date.	From or To—	Subject.	
538717	12/31	Mallory Industries	Returns drawings of type SE 1615 amplifier W.	
538765	1-8	To N.Y.	Reqst report covering condition of 20 kw radio arc transmitters under contract 15 naval sup depot So Brook. W	
	N.Y.- 5/6- Fwds affidavits.5/6 W		N.Y.- Gives condition of two 20 KW arc transmitters at Nav Sup Depot W.1/18	
	To NY 5/20		To N.Y. auth purchase 1-22 NY-7, 8-W	
539012	1/7	Phila.	Request stock of hard vacuum tubes be replenished. W. To S&A shipt order from Washn to Phila of vacuum tubes W 5857 RB 2-17	
539303	1-10	To S&A	Reqst shipmt of arc radio set from Washn to Puget Sound W RB 3-3-21	5846
	Pug.Sd. Rqst instrlns books for arc equipt. 5/25 W.		To Puget Sd Tel 1-22-21	
	To Puget Sd 6-2		Pug.Sd) (T) 2" pipe line installed at Sitka for running water. 1/24 W.	
3413	1/5	Inspr GE	Representative visiting Harrison Lamp Wks in conn with defective vacuum tubes. SW	629
501305 from card 284			To Wash Yd- approval of estimate for remodel 1420 B radio receivers W 1-11-21	
539484	1-11	To S&A	Reqst shipmt of radio receiver from M.Island to So Brooklyn W RB 2-17	5858
	Darbey and Darbey- 3/10 W		S&A—Copy of action to NY. 1/31 W	
	To S&A Reqst shipmt of Receiver from Brook to MI 6634 3/16 RB 7/25		Nav Sup Depot- Copy of action to NY 2/7 W	
			NY- 3/3- asks action taken. W	
			To SE Darby Jr. rel shipt 3-9-21	

See over

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Number 185	Date.	From or To—	Subject.
539465	1/5	Pugdsd.	Request complete set of detailed plans of Fed 30 KW arc transmitter. W. To Puget Sd 1-15-21
539484	1/10	Mare Island (T)	Request authority to ship radio receiver at Mare Island to S. E. Darby Atty. in conn with Fed. Co. suit. W. Nav. Sup Depot 1/29 W. To So Brook 2-4-21
See over	Brook 4/12		To So NI Gives fm form re shipmt or receiver cc//
539317	1-12	To Mare Island	Advise if model X radio arc trans sets reported on change of material sheets were issued, complete with power equipments W Mare Island- 1/20 W.
539702	1/10	Wireless Spec. Appr. Co.	Are completing plans and specifications for single wave changing unit- request opportunity to call at Bureau and discuss same. W. To Wireless Spec Ap Co 1-18-21
	Wireless Spec. Appr. Co. 1/27 W.		
539666	1/6	Davis Co.	Request quotation on small power transmitters also high power apparatus. W.
539713	1/10	Westinghouse E/M Co.	All quantity lots can manufacture ballast lamps at $1.30 each; otherwise about $2.00 W.
539759	1/11	Phila.	Confirms telephone conversation in conn with conversation of 20 KW arc transmitters from 80 volts to 120 volts and shipt of hard vacuum tubes to Phila. W.
539853	1-13	To Director Nav Intl	Gives detailed comments in conn with vacuum tubes purchased by Chile from a manfg in the U.S.- W

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Number.	Date.	From or To—	Subject.
537710	12/31	Norf. (T)	Motor power transmitter for Destrys. available- cannot complete instln but will place same on board. W
537875	12/31	Hammond Rsch Labr	Rqst tubes listed be furn for experimental purposes in development of valve transmitter. W. To Ham Lab T 1-28
TO CARD 306		Shipt order from Phila to Glou vac tubes 1/8 5819	To Hammond Lab 1/7
		Hammond Labr-(T) rqst expedite shipt of vacuum tubes. 1/24 W	Shipt order from Wash to Glou 1/8 5820
538013	1-5	To Inspr G.E.	Visit of Bur representative Lt J.L.Allen to G.E. Works in connection with radio appr. W To Western Elec Co- rel visit of Bur rep 1/5
538164	1/3	Washington	Request supply of 50 Watt tubes be furn for TC transmitters. W.
538165	1/3	Washington	Rqst instructions rel to procedure in turning defective transmitting tubes over to GE CO/ and securing credit for salvage value. W. To Wn 1-22
538027	1-6	To N.Y.	Reqst vandyke copy of RY 46A 139- instrucn booklet for radio receiver be fwd Bureau W N.Y. Fwds vandykes 1/11 W
538028	1-6	To Washington	Reqst copies of booklets be fwded W Washington 1/18 W.
538587	SEE OVER		fwd S&A- 1/6 (In conn purch of radio set Chicago Tribune W)
538768	1-30	To Phila	Conversion of 80 v 20 kw arc trans for operation on 125 volts W. Phila- Subm estimates 1/20 W. To CO OHIO 1-28 CO OHIO 2/1 W

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Number.	Date.	From or To—	Subject.	
538345	1/3	P ecision Equipt Co.	Fwds sample of ace receiver cord binding post. W. To 1/7	
538032	1-7	To S&A	Reqst shipmt of vac tubes from Airc Facty Phila to Washington W RN 2-3	
538022	1-6	To S&A	Reqst shipmt of shafts from Wash Yd to Navy Bldg W	5772
538051	1-7	To Comdt Washn Yd	Reqst info as to number of vac tubes on hand W Washington 1/27 W.	
505248 from card 267			To Lowenstein Radio Co. acknow booklet 1/7 To Lowenstein Co 2-4 reqst expedite Lowenstein Co.- 2/10 W Lowenstein Co.- Fwds booklet of vandyke. 2/15 W To Wash 2-26 hipt order from Wash to Darien 8/24 8619 15th Dist- (T) Rqst immediate shipt of high speed key contacts. 10/6 W ~~To Reqst comment 10/12~~ To Washn Reqst parts as li ted be provided and distributed as listed W To Washn- Gives modification 10/12 W	RB 11/9 W
538587 see other side	1/2	Chicago Tribune (P. F. Priefer)	Subm request to purchase receiving set. W. Fwd S&A 1/6	
535860	1-10	To GE Co	Gives comments on development of trans-W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
535561	9/23 12/17	Bd Survey 3d Dst. S'&A	Subm list of surplus transmitters with recommendations covering selling price. W Fwd S&A 12-27	
535544	12/16,	Western Elec.Co.	Development of N Type tubes- modification of present type to incorporate requirements made be Bureau not practicable. W.	
501795	12-21	To S&A	Reqst shipmt of ten radio receivers from Wash to Puget Sd for instal TEXAS NY ARK WYOMING and NEW MEXICO W To S&A reqst shipmt of radio receivers from Puget Sd to Washington W 12/21 RB 3-7 Washn- Material received. 11/30 W.	
535390	12-20	To Ship Bd.	Gives info rel transmitters designed for length range of 2000 to 4000 meters which will be supplied Ship Bd. W To War Dept- rel wave lenths to be used in arc transmitters. W 12/20 To Washington Yd- design problem 122- 12/20 To Dept Gives info on 12-23 Washn. Fwds print. 12/31 W. To Wash 2-12-21	
536028	12/18	Internatl R/T/Co.	Ask if method has been developed for recvg undampt waves, which is better than heterodyne.W To 12/30	
535863	12-22	To Federal Tel Co	Fwds data in conn with bids on arc trans for scout scruisers W	

TO CARD 320

To OHIO- test of circuit 2-24
To Wash- 3-8
Washn-Fwds spcfns for motor generator set for current transforming circuit also correspondence with Crocker Wheeler Co. 3/23 W
Washn-Lists material shipt to OHIO.4/22 W
~~Washn--Fwds spcfns-for~~

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Number.	Date.	From or To—	Subject.	
536373	12/22	Communications	Fwds request of British radio station at Nassau Bohamos, for radio apparatus. W. fwd S&A 12/30 S&A 1/26 W **fwd Commun 1-29-21**	
535859	12-23c	To Washington	Reqst to design an arc trans capable of del 25 amperes to a ships antenna having resistances as listed W. To Washn. Rqst design problem 120 be cancelled. 8/6 W.	
535860	12-23	To Westinghouse E& M Co radio trans for std receivers of 1805 miles 1-15 GE Co. 1/18 W GE Co. 1/24 W **To GE Co- 1-28**	Desires to obtain four radio transmitting capab of trans reliably for reception on Navhy Std receivers distance of 1200 miles etc W. GE Co:- 1/4 W. **To Westinghouse Co 1-28**	
537057	12/27	Washington	To GE Co- reqst rep of Co confer rel lamps. W. Fwds prints and specifications for ballast	
537693	1/3/21	To Direc Naval Intl	Reqst data on Prague station W Naval Intelligence 1/5 W. Nav Intel--Fwds copy of report on station at the Prague. 1/31 W	
537662	12/30	Internatl R/T/Co. Internatl R/T/Co.-V.S.Beem will call at Bureau 2/4 W. 2/1	Fwds copy of letter from Fed Tele Co. stating Govt. never granted right to grant others privelege of making and selling to others device covered by Paulsen patents. W. To 1-7 **To Internal Co suggests conference 1-29-21**	
537628	12/30	S&A	Copy of letter to Dept in conn with requisition 235 for wireless transmitter and receiver to be purchased in England. W.	

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Number.	Date.	From or To—	Subject.	
7 531155	11-27	To Comdt Washn	Authorizes design problem 77- high frequen vacuum tube generator for low and medium power- W	
	Washn- 2/2 W. To Washn 2-7-21		To Washn Fwds outline of situation 12-22 To Washn auth manfg 2-5-21	
531573	11-30	To CO OHIO	Problem 10-A study of break key system. Shipt being made- reqst instaln and tests as outlined W	
531578	11-30	To S&A	Reqst shipmt of keys from Boston to Wash W RB 12/23 serial 5360	
531932	11/27	Internatl R/ T/Co.	Request information as to how strong Arlington set is received under severe static conditions. W. To 12/17 Internatl R/T/Co. 12/23 W.	
523355	12-6	To Comdts IM's Europ Forces	Renewals for crystal detectors- Reqst yards confine requirements of renewals to actual needs W	
532599	12-9	To Comdt Chasn	Reqst vandykes and bprints W Chasn. - Fwds prints. 12/15 W	
532601	12-9	To Comdt Puget Sd	Reqst vandykes and bprints W Pug.Sd. Fwds printd 12/22 W	
532357	12-9	To Comdt Washn	Reqst vandykes and bprnts W Washington- wds various prints. 12/22 W	
532603	12-9	To Comdt Washn	Fwds in conn phone conversation of 12/7 specfns for 50 w trans vacuum tubes W	

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
533870	12/8 12/9	Board of Sale Bost S&A	Ask if will authorize purchase of wireless set to B.C.Collier, purchaser of CIGARETTE.W fwd S&A 12/14
534184	12/10	S&A	Request 1/2 KW radio sets be declared surplus and sale of authorized. W. To S&A no objection 12/17
534204	11/27	Mare Island	Fwds reports on analysis of magnetic frequency of arc convertors. W.
533607	12/11 Washn- Gives	ToWash job order number. 2/1 W	Reqst estimates for mfg of receivers W Washington- Subm estimates 1/12 W To Washn auth manf 1-24
533608	12-13 Bar Hrbor 12/20 W. 9th Dist. 12/20 W/ Washington 12/22 Report on test.W	To Bar Harbor	Reqst info rel trans efficiency of simplex and multiple tuned shore station antennae. W at Washn and Anacostia. W To Comdt Grat Lakes 12/13 To Washn 12/14 To Anacostia 12/14
534576	12/9	Washington	Fwds print showing fillament rheostat for amplifier. W fwd Mare Island 12/16
534328 TO CARD 309	12-14 Nav. Intelligence-1/26 W. Nav Intel--Quotes action from 5th Dist. 1/29 W To Ship Bd 2-2-21	To Intelligence	Alleged illicit sale of radio vacuum tubes by personnel of navy. Fwds copy of letter from Aurdiotron Mfg Co to Radio Corpn. W D. Sarnoff- Copy of action to Audiotron Mfg.Co. 12/13 W To Intell 2-2-21
534826	12-17 Ship Bd- Detailed comments on. 2/7 W	To Comdt Washn	Assignment of type number SE 1759 to copper flour brush for 2 kw arcs. W Washn- Fwds drawing specifications of brush.12/31
51452	12/14	Inspr GE	GE Co rqst instrns rel to boxing of spare 629 parts for transmitting equipt. SW
533608	12/14	To Comdt Wash	Reqst yard transmit on schedule outlined 896

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Number.	Date.	From or To—	Subject.
530111	11/18	Washington	Possibility of utilizing improved type P pliotrons in model TD transmitters - request same be investigated. W.
529486	11-20	To France Mfg Co.	Reqst info as to battery boosters for charging purposes, in conn with receiving equipment at radio stations W
12/3	France Mfg. Co.-Recommendations-, W.		France Mfg Co-reqt info as to requirements-11;23- To 11/30
529889	11-20	To Washington	Reqst prints be fwded W
			Washn- Fwds instrn for testing vacuum tubes.12/6 W
529887	11-20	To Lowenstein Radio Co	Reqst info rel relay designed by Co. W
	Lowenstein Co. 1/10 W.		Lowenstein Co - Ask if shall hold instruments pending bureau instrns. 12/28. W. To Lowenstein Co 1-8 To Lowenstein Co 1-12
530389	11/19	Communications 652	In British Navy radio operators have individual head phones - gives advantages of. W.
529896	11-22	To War Dept	Reqst data on amplifer, as designed and operated by M.O. Batsel W
			War Dept- 11/27 W .
530419	11-26	To Atl Fleet	Head telephones, individucal, for radio operators. Reqst comments and recs W
	Atlantic Fleet 12/24 W		Copy Commun
	Submit phones 1/3/21 to Washn to CO PA 5721		Atlantic Fleet- 11/30 W. To Atl Fleet 12/21
530418	11-26	To Firms	Reqst comments or suggestions on dimen and constants of tubes of sizes given W
	GE Co. 11/29 W.		American R/R Corpn 11/29 W.
TO CARD 307	American R/R/Corpm 12/4 W		De Forest Co. 11/29 Cannot furnish W.
	GE Co.-Quotation cov tubes.1/26 W		To GE Co 2-3-21
530412	11-24	To Norf	Reqst yard subm estimate for repair of trans sets W
	Norf- Subm estimates. 2/1 W		
531581	11-30	To Norf	Advise disposition made of radio trans panel also data rel turning over set to John Bros.
			RB 12/17 W. fwd S&A 12/20 RB 1-12
			RB 1-12

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Number.	Date.	From or To—	Subject.
531156	11-27	To Washn	Design of high frequency vacuum tube gen Authd W
5	Washn. 3/8 W.		To Washn- advise status 1-29-21
	Washn. 3/11 W	Prints listed, fwded to Bur.	Washington 2/16 W.
			Washington 2/16 W
	To Wazhn appvd 3/15		To Washington 2-19-21
531543 c	11/26	Radio Corpn of America	Drawings RW-46-F-212 and RW 46-A-214-R covering receivers- request identify. W.
			fwd Wash 12/1 RB 12/8 W.
			To Radio Corpn of AmerGives action 12-11
496363	FROM CARD 281		Pacent Elec. Co. 11/27 W.
			To 12/2-
			Pacent Elec. Co.- Will wind coils to fit Navy specifications. 12/13 W
531154	11-27	To Washn	Authorizes design problem 117- barrage tuning unit for rec equipment W
	To Washn 4/27		Washington 1/21 W. To Wash 8/26
	To Wash 7/19		To Washn 1-25
	To Wash 7/27/21		
531153	11-27	To Washn	Auth deisgn problem 29- long wave rejector W
			To Washn fwds letter from USNRRL of 11/16 12/9
531129	11-27	To T. Johnson Jr.	Returns paper on naval vacuum tube trans Reqst subm corrected manuscript. W
			To Dir Intelligence fwds Tube transmitter 3/29
531157	11-27	To Comdt Washn	Assigns equipment to rec equipment for short and medium waves. W

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Number.	Date.	From or To—	Subject.	
528262	11-12	To Bur Standards	Assignment of problem 92- distant control by carrier wave systems.	W
528269	11-12	To Norfolk 689-12	Req info if Stahl rectifiers for operation with 220 volt cycles on hand Norf. 11/20 W.	W
528837	11-13	To Norfolk 689-12	Telephone conversation reqstg info as to how many 20 KW, arcs available at Norfolk Norf- 11/20 W.	W
528843	11-15	To Comdt M. Island	Reqst drawings and instructions for 12 kw Fed arc, instaled at Bar Harbor. W Mare Island Fwds vandykes. 11/29 W	
458368	from card 256		fwd S&A- 11/16- W	
529359	1 1-17	To Comdt M. Island	Fanning auto relay. Problem 45-B In conn with Reqst estimate. W To Mare Island reqst expedite 12/21 Mare Island- 12/29 W.	
529484	11-17	To Comdt M. Island	Radio arc trans set to be converted into motor input of 125 volts. Reqst estimts W copy Todd	

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Number.	Date.	From or To—	Subject.	
529751	11/16	Washington	Fwds prints showing amplifier. W.	
529580	11/15	Bur Standards	Req est authority to release reports on progress of test of 3 power tubes from confidential status W. To Bureau Standards 11-26	
529720	11/15	Radio Corpn America	Request instrns rel to maximum capacity of secondary condenser. W. To 11-18	
529483	11-18	To Comdt Washn 4-C-6	Reqst subm estimates for radio arc trans set, Fed contract 600 and 120 kw volt radio trans set Fed contr 29964 for motor for instaln SCOUT CRUISERS now building W To Washn reqst info 1-25 Washington- 2/2 W. Washn- Ask if can use motor generator on hand. 2/1 W	
529921	11/17	N.Y.	Request vandykes listed of High speed key system be furn. W. To IM NY wds Plans 11-29	
42141	11-13	Inspr Fed	X Suggests design of chopper circuits panel for reinstalnsets recd with sketch covered SW 629	
530097	11/13	Pacf. Radio Sup.Co.-	Calls attn to ability of Co. for manufg of vacuum tubes. W	

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Number.	Date.	From or To—	Subject.	
526727	10-29	Radio Corp of Amer	Ask if will authorize construction of receiver for North Carolina State College; W To- no objection 11/5 Radio corpn of America- 11/11 W.	
526715	10-25	Mare Is	Copy letter to Pearl Harbor in conn with precautionary measures for prevention of damage to arc magneto windings on high power arcs; W	
526435	11-3	To Comdt Washn Yd	Reqst research work on special type transformer coupled universal amplifier be undertaken by Yard. Designates Prob 43 To Wash 6-11 Washn.- Fwds pencil sketch with comments.	W 6/28 W
526810	5-14	Pacific Radio Supplies Co	Request test of their new type detector tubes; Pacific Radio Supplies Co; fwds sample tubes; 8-10; Pacf. Radio Supplies Co.- Fwds 6 new type AP electrone relays for test 11/9 W.	
527801	11/?	Westinghouse E/M Co.	Ballast ~~pumps~~ samps to protect radio vacuum tubes- request give consideration. W. fwd Washn 11/8 RB 11/24 W Westinghouse E/M Co.- Rqst reply to letter of 11/23 12/14 W	
	To Washn Reqst comments 12-27 Washn- Subm comments- 1/3 W To Westinghouse Co 1-14			
527168	11-8	To Anacostia	Reqst investigation of special type vacuum tube trans apparatus which can be used for trans of distress signals W-problem 90 To CO Anacostia- gives instns ~~of p~~ rel problem-Cancellation of 9/28	
49333	11/5	Wash	Recommendations covering acceptance tests for transmitter manufactured by G.E. Co	629 WS

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Number.	Date.	From or To—	Subject.	
468772	FROM	CARD 268	De Forest Co. 11/5 W. War. Dept 11/5 W. To GE Co. Quotes listed report on tests of tubes 10/28 GE Co. 11/2/22 W	
527948	11/5	W. J. Harrington	Ask where pamphlet covering instrns for 2 KW arc transmitters may be procured. W. To Ship Bd. 11-13 Fwds	
527618	11-9	To Washington	Desires copper flour brushes for 2 kw radio arc sets be carried in stock at yard for issue to various yards W copy S&A To Ship Bd- rel action being taken in conn with operation of 2 kw sets 11/9 To Comdts IM's Ship Bd. gives data on opern of choppers of radio arc sets 11/10 N.Y. 11/18 W. Washington 11/3 0 W. Nord- 2/11 Request brushes be furn. W. To Nord- rel shipmt of brushes 2/23	

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Number.	Date.	From or To—	Subject.	
524877	10/22	Westinghouse E/M Co.	Receiving tubes- ask just what Navy will require in their specifications and what tests will be stipulated. W. fwd Washn 11/1 RS 11/10 W. To Westinghouse EM Co Fwds copy of specfns 11 13 Westinghouse E/M Co.- asks if specifications covering receiving tube can be changed	12/20 W
525003	10/22	Ports.	Request approval of use of two vacuum tubes from stock for use in conn with continuous wave driven set. W. To Chasn 10/30 Ports 12 8 W. To Ports 12/14	
407414		SEE CARD 221	To Western Elec Co-- Reqst detld inform cc Washington 10-23 W. Western Elec Co.- 10 tubes shipt 12/4. 12/10 W To Western Elec 12/15 To Western El c 12/20 Western Elec Co-10 tubes shipped by express to Washn Dec 5th-12;22-W **To Western Elec Co- reqst shipt of vac tube be expedited 1-29-21** Western Elec.Co.-Returns one burnt out tube. 1/26 W.	
524795	10-25	To Washn	Change in receivers for battleships W. To Washn Reqst instrn booklets be Fwd to shipping Board cc Shipping bd- 10-26 Washington 11/19 W. **To Washn plan apprvd 3/21/21** **Washington 3/24 W**	
525436	10-28	To Phila	Radio spark transmitting wirless specialty ann Co Reqst inform as to status W. **Phila. 11/4 W**	
525437	10-28	To Phila	Radio fed aro sets Reqst status of 10-28 W **Phila. 11/4 W.**	

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Number.	Date.	From or To—	Subject.
525440	10-28	To Washn	Reqst vandyke cc of latest revision of plan be forwarded W. Washington 11/8 W.
525442	10-28	To Washn To Comdt Wash 2-14-21 Washn. Fwds special report on investigation of arc current transmitting circuit. 5/23 W To Comdt Wash 7/16	Radio telegraph. Fwds Notes on W/T Progress W. To Washn 11-20/20 Washn. Fwds reports 11/27 W. Washn. fwds special report. 12/9 W. To Washington 12/14
525557 TO CARD 305	10-26	Washn Phila- Fwds photos. 12/2 W Mare Island- Fwds photo of Marbo radio room. 12/23 W. Pug.Sd-Fwds photo 2 Kw ard. on VULCAN 1/8	Calls attention to photo in instruction book for arc transmitters being used by yards for arrangement of apparatus: same differs from Bu type plans; W To IM's Comdts Ship Bd rel instaln 11/1 N.Y. 11/13 W.
525591	10-26	Cory & Son 6	Fwds plan showing high pressure water-tight puzzer; W Cory & Son- Request specifications cov busser. 11/12 W.
526184	10-27	Washn	Ask if desirable for yard to undertake development of high power vacuum transmitting tubes; W To Washn- Rsts investigation be conducted 4/15 W
525098	11-1	To Lt. Esterly,	Reqst sketches and descriptions of operation as shown on invention on loop aerial system. W
526810	11-2	To Pacific Radio Sup Moorhead Laboratories,	Advise if company care to subm sample of radio apparatus for test W

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Number.	Date.	From or To—	Subject.	
521509	10-9	To Charleston	Advise condition of radio trans. on contract 40339 with Kilbourne & Clark, and if suitable for instaln on gunboat 22- W Chasn- Transmitter in stock suitable for instln on Gun Boat 22- G - 6. W. 10/14	
522219	10-12	To Washington	Reqst vandyke and blueline prints W Washn - Fwds drawings. 10/22 W.	
515819	FROM CARD 292		Washington. Fwds report of test from Annapolis rel to temperature rise and windings. 10/9 W. Washington - Fwds temperature measurements made on trasnmitting keys at Annapolis. 11/15 W.	
522230	10/13	To S&A	Reqst shipt of amplifier from Washington to Norfolk W ; RB 11-1; W	
522764	10/8	Pug.Sd.	Request disposition of receiver redd from Saratoga. W. To Puget Sd 10/18	
523355	see card 301			

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Number.	Date.	From or To—	Subject.	
522964	10/13	Bur Stand Labr	Changes in design of Western Elec. Co. Vacuum tube- recommendations covering. W.	
522823	10/15	To Westinghouse EM Co	Fwds blueprints transmitting apparatus Westinghouse E/M Co. 10/22 W.	W
522877	10/15	To S&A	Rqst shipt of radio amplifier from Washn to Bur standards. W. RB 12-31	
522875	10/15	To S&A	Rqst shipt of radio amplifier from Washn to Anacostia. W. RB 11/13 W.	
522281	10/15	To Norf.	Ask if in position to transmit on wave lengths. W.	
524271	10/19	Washn.	Proposed schedule for purchase of 50 watt transmitting tubes - recommendations. W.	
524270	10/19	Washn.	Request instrns rel to returning defective transmitting tubes to GE Co for credit. W.	
520956	10-22	To Annapolis	Fwds copies of instructions for 2 kw arc radio transmitters Nav. Academy- 10/14 W	W

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Number.	Date.	From or To—	Subject.
520579	9/29c	Phila.	Radio receivers type 143 - instrn panels- request 25. W. Shipt order from Wash to Phila 10/5 RB 11/9 W
520559	9/27	Mare Island	High speed keys- request latest drawings. W. To MI 10/14
6 457793	FROM CARD 290 Washn- Report on retesting of rejected vacuum tubes. 5/26 W Washn. Fwds copies of specfns for transmitting tubes and power equipt 8/11/20 W.		L. W. Austin- Comments on test of filament contact globe, with recommendations 9-29 W. GE Co. Subm addtl comments with print. 10/8 W. Westinghouse E/M Co.- Fwds comments. 10/11 W. Westinghouse E/M Co. 10/20 W. Bur Stand. Labr. Fwds report on proposed specifications for vacuum and transmitting tubes. 10/20 W. American R/R Corpn- Have no suggestions to make. 10/21 W. fwd Washn. reqst comments 11/1 (enc Dr Millers report) RB 12/24. W. To Amer RR Corpn 11/2 rel rep attending vacuum tube conference- To Washn. auth test 11/2 sub by Westg Co American R/R/Corpn 11/4 W. GE Co. Comments on. 11/6 W. To Western Elec Co T 11/9 To Amer RR Corpn T 11/9 To DeForest Radio Tel Co T 11/9 To GE Co T 11/9 fwd Washington 11/11 RB 12/23 To Amer RR Corpn will test samples if subm 11/20 Washn- Report on test of Westinghouse E/M Co transmitting tubes. 12/9 W To Westinghouse Fwds test 12-27 To Washn 12/31 Westinghouse E/M Co. 12/29mW. To Westinghouse Co.- In conn action taken return sample tubes to Dr Shackelford W 1/3/21 Washington 1/10 W. To Washington 5-9 auth for GE Co send engr to Wash. W

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Number.	Date.	From or To—	Subject.	
520293	10/5	To NY	Rel location of 5 kw arc trans sets W N.Y. 10/9 W.	
520840	10-6	To Norfolk	Experimental work on rhoestats and auto starters, canc of. Reqst comments	W
520964	10/1	Washington Washn-status of receivers-11-30-W To Washn auth modfn 12/18 To Washn 12/18 To Washn 12/31 Washington 12/30 W (2)	Subm recommendations covering remodeling of receivers. W. To Comdt Washn 10/20 Washington 11/29 W. To Washn appvd 11-20	
521031	10/4	Washington Design of tube transmitter-subm description of with print. 12/9 W To Washn Gives inform 12-28 To Washn 1-8 Wash--1/31 W To Washn Gives instrns 4/20	Request information as to constance of antenn as on which spark tube transmitters developed by Bur standards Lbor, will be used. W. To Washn Fwds constants of antennas 10-16 Washington 1/3 W.	
521247	10/5	American R/R/Corpn	Fwds drawings of quenched gap. W. To-- Ack receipt of plan 10-25 American R/R/Corpn 11/5 W	
520856	10-7	To S&A	Reqst shipmt of radio arc trans sets from Norfolk to Annapolis W RB 11/11 W. To Annapolis- rel shipt 10/11 copy Norf To Norf 3-14 RB 4/4 W Norf- 3/23 W.	
521216	10-8	To S&A	Have no objection to sale of Marconi trans set ex USS DIANA.	W
521218	10/7	To S&A	Reqst shipmt of radio apparatus from Washn to Charleston W RB 4/11 W	

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Number.	Date.	From or To—	Subject.	
518430	9-23	To S&A	Reqst shipmt of receiver from Washington to Phila W. RB 11/12 T To Phila (T) radio rec for KANSAS expressed Sept 22 9/23	
518432	9-24	To Washn Yard	Modification of SE 1600 audio frequency amplifier for experimental work. R 10/6 W Washington 9/29 W.	
518436	9-24	To Bur Standards	Problem 28- acceptor rejector for small vessels- Reqst report covering Bur Stand Labr- Comparison on efficiency British and U.S. rejectors. 9/29 W. To Washn Appvd 4/27	W
518433	9-24	To A. Crossley,	Acknow suggestion subm covering radio underground receiving system.	W
518434	9-24	To Washington	Rel test of Automatic Elec control valve for alcohol feed on radio trans arcs, as mfg by Automatic Switch Co. To Comdt Washn- Reqst reopening of test problem 76 10/8/20	W
		Washington- Fwds report of test on solenoid needle valve manufd by Automatic Switch Co. 11/15 W.		
518432	9-24	To S&A	Reqst shipmt from Washn to NY radio ampl serial 4508 W	
519111	9/23	Phila.	Request instrn book for radio receiver. To Washn 10/4	W
		To Phila 11/8 Washington 11/8 W.	To Washn Reqst inform re booklets 10-28 Wash; fwds copies of instructions; 11-1; W	
519261	9/24	GE Co.	Request official permission to manufacture 15 heavy type radio receivers for Filipino Govt. W. To GE Co 10/2	
519467	9-28	To G.E. Co	Reqst data on lamps. G.E. Co. submits data on lamp; 10-30; W Fwd Washn 11-19 RB-11-26-W	W
			To Insp GE. Reqst inform re number 12-11	

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Number.	Date.	From or To—	Subject.
519993	9/29 To Washn 11/3 Washington 11/23 W	Crocker Wheeler Co.	5KW arc sets- ask if insulation test called for on generator windings be modified. W. fwd Washn 10/4 ; RB 10-25; W To— Gives nsrom re specens 10-27 Crocker Wheeler Co; 11-1; W
520082	9/29 Phila. 10/20 W.	Phila.	marble BC motor power sets- 45 in stock and 38 still due. Request instrns rel to disposition. W. To Phila 10/1. Phila. Motor buzzer set has been installed on board RELIEF 10/8 1-E-6. W.
520317	9/30	Norf.	Fwds letter from Y.M.C.A., Brook? requesting description of Simon radio set. W. To YMCA. 10/9
520384	9/4 To Balboa 15/20 Eng let 10-26 15 Dist 10-26 To Fed Tel Gives inform 10-26	Fed. Tele. Co.	Fwds photos of new 100 KW set. W. To Fed Co 10/7 Fed. Tele. co.- Subm Co's understanding rel to situation at Darien. 10/15 W.
520299	10-4	To Comde Washn	Modification of amplifer SE 1599 for expr work in conn with radio piloting cable W To S&A- Rqst shipt from Washn. to Bur Stand. 10/15 Amendment of 10/21 Washington 12/1 W.
520295	10/4	To Great Lakes	Info concerning arc sets on hand. Advise if can spare them Great Lakes -Arc set is available. 10/11 W.
520296	10/4	To Comdt Washn	Auth mfg of wave meters W Washington 10/11 W.
520895	08/5 old no.	S&A	Chasn recommends standard stock of vacuum tubes be increased W. 689- 3 S&A- Rqst action. 9/2 W

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Number.	Date.	From or To—	Subject.	
515838	9/11	To John Firth	Fwds copy of report of test of "McCaa" apparatus.	W
516559	9-15	To CO Air Sta Anacos	Design problem 111- class B remodeling type SE 1414 receiver for use in conn with type SE 1605B amplifiers/ Anacostia- Report of test of single aircuit receiver. 9/29 W.	W
517008	1-25	Int Radio Teleg Co	Request info for their instruction book;	W
517550	9-16	Crocker-Wheeler Co	Request specificatinns for arc radio transmitting equipment; W To. fwds 9/18	
517574	9-18	To Mare Island (T)	How many radio amplifers in stock wire reply Mare Island- (T)- none 9/21 W.	W
517567	9-18	To Boston	Advise exact number of vacuum tube storage batteries in stock at this date RB 10/15 W.	W
715 517714	9-16 To Wash	Washn 6-14	53 Problem 51; wave indicator for 2 k.w. arc transmitter; reports on test; W (Meters, Wave) To Washn 12/1 To Wash 5/20 Washn. 6/10 W.	843-4
CARD 349				
516877	9/11	B.r Stand. Labr	50 watt transmitting tubes- submitted by Western Elec. probably #60- fwds report.	W.

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	
517839	9-16	Phila	Instructinn books for radio receiver; request supply of; W To Phila 9-24 To Wash - 9/24 Washington 10/4 W.	
517827	9-17	Amer R & R Corp	Amrad quench gap; fwds bulletin; request orders; W To Amer RR Corpn 9-25 American R/R/Corpn-Fwds catalog showing Amro d products. 10/2 W.	
518262	9/14	Chicago & N.W. Ry Co., G. W. Carnell-	Ask if any receiving sets for sale. W. fwd S&A 9/22	
477953	(from card 270)		N.Y.; material is being delivered directly to N.Y. yard by contractor; 9-17; W Canc of 9/21/20 S&A - Motor Buzzer sets ready for shipt to Phila. 10/5 W. 889 ∀ 15. Washn- Recommends no other restrictions be placed at this time. 10/13 W.	
518774	9/21	Washn.	1420 C Receiver - fwds prints. W.	
518427	9-23	To Phila 286-6	Confirm phone convsn Bur auth Ph instal amplifier on MICHIGAN also will make shipt of rec for KANSAS. W	

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
513576	8/25	J. C. Rogers	Reports sending radio receiver to Washn. enclosing receipt. W. To J.C. Rogers- acknow 8/30	
513606	8-26	To S&A	Reqst shipmt of radio apparatus from Boston to Newport. W RB 9/11 W.	
513636	8/26 8 24	Hammond Resch.Labr. S&A	Quotes prices for 4 receiver and transmitter unified of the Hammond Signalling system. W. Fwd S&A 9/1	
513605	8-26	To S&A	Reqst shipmt of trand appr. from Tuckerton to M.Island W Phila. 9/25 W.	
513613	8-27	To S&A	Reqst shipmt of radio appr from Washington to Dept. W	
45217	8-21	Pac Radio Supplies Co.	Reqst test of vacuum tubes be made lest rigorous	629
514178	8 27	Internatl R/E Co.	Re shipt of addtl magnavox transmitter. W.	
514527	9-1	Fwd S&A	E.J.Simon- information rel award of contract to Wireless Impv Co for mfg of radio trans during June 1920. Did not make award to Co. Reqst advise E.J.S in re to. W	

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RECEIVING & SPEDING 1920

Number.	Date.	From or To—	Subject.	
514523	8-31	To Washington	Spare parts for force tune system- instrucns covering shipmt of. Washn- Subm estimates. 9/29 W. To Wash n 10/30	W
514527	8/27	E. J. Simon Co.	Request contract number covering radio transmitters ordered from Wireless Improvt. Co. W.	
512463	8/31	Boston	Ask if Bur authority is required for issue of vacuum tubes.	166-Q-6
514894	8/31	Western Elec. Co.	Vacuum tubes; summarizes osituation on development of . W.	
515820	9/9	To NY	Radio telegraph stations Sayville heating of high speed keys. Reqst report covering experiments made by Fed Co. N.Y.- Report on test/ 11/22 W.	W
515819	9/9	To Washn.	Reqst report covering heating of high speed keys for instaln at Annapolis. Washn.-Request Annapolis make certain tests in conn with. 9/20 W.	W
TO CARD 296	fwd Annapolis 9-27 Washington- 9/27 Fwd Annapolis 10/2			
515829	9-10	To Washington	Fwds copy ofOHIO special radio report W	
515828	9-10	To Washn.	Correction of drawing. W Wasn- Fwds prints by messenger.9/18 W.	
508756	8-28	M.I.	Subm report on copper bla ing of high speed keys	852

Number.	Date.	From or To—	Subject.
511543	8/13	Lowenstein Co.	Request Bureau assistance in securing payment from Wireless Specialty Co. covering drawings of gaps furnished. W. To Lowenstein 8/26/20 Lowenstein Co.- States commercial matter beyond control of Bureau. 9/7 W To Lowenstein 9/11
511520	7/28	Pearl Harbor	Fwds special report covering Andrews 3 loop balanced circuits and radio frequency amplifiers. W.
511956	8/14	G.E.Co.	Specifications and test on receiving tubes-request be furnished. W. To GE 8/31/20
512157	8/16	Lowenstein Co.	Request instrns rel to preparing bills cov development of short range static interfleet transmitter. W. Lowenstein Co - equest action on letter of 8/16 9/24 rW. To Lowenstein 10/2
1		Lowenstein Co; request instructions; 10-29. W To Lowenstein Radio Co 11/5 Lowenstein Co. 11/8 W. To Westinghouse Reqst inform cc NY 8/30	
511599	8-18	To Washn	Considers problem 40 test "Brown" head telephone completed. W
512428	8/16	Wilcox Labr.	Request be placed on mailing list for purchase of radio apparatus. W.
512531	8/19	Westinghouse E/M Co.	Ask if can obtain for experimental purposes arc converter W.

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REC& SENDING

Number.	Date.	From or To—	Subject.
512814	8-23	To S&A	Reqst shipmt of radio trans sets from N.O. to M.I. W RB 10/14 W.
512815	8-23	To S&A	Reqst shipmt from N.O. to Chasn radio trans sets W RB 10/7 W.
512812	8-23	To S&A	Reqst shipmt from N.O. to N.Y. radio trans sets W RB 11/16/ W.
513412	8/24	Westinghouse E/M Co.	Request 2 kW arc convertor be shipt to East Pittsburgh. W.
513424	8/23	Phila.	Problem 72- spark-tube transmitter developed by Bur Standards Labr- reports on. W.
513154	8-25	To S&A	Reqst shipmt of phones from Norfolk to Bureau Standards W; RB 9-15; W
513153	8-25	To S&A	Reqst shipmt of radio amplifiers from Washn to M.Island W RB 1/3/21
513160	8-25	To Norfolk	Confirmation of telephone conversation rel replacement of radio receiver on board EAGLE 34. W
513157	8-25	To S&A	Reqst shipmt of radio trans set from N.Y. to Westinghouse W
CARD 327	Westinghouse- Rqst authority to hold transmitter another month. 2/28 W To Westinghouse Co 8-25		To S&A 10/1 S&A 10/11 W.
	Westinghouse E&M Co-reqt shipping instrns-7;7-W To NY 7-12		To Western Elec Co. asks rel return of arc set loaned company. -1-21 error to Westinghouse. To Westinghouse 7-12 copy NY

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RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.	
509629	7/31	Westinghouse Lamp Co.	Acknoweldges report on minutes of vacuum tube conference held 6/16 W.	
509804	8/4	San Domingo Copy	Request ship gaskets for quenched spark gap. W.	
42141	8/2	Washn	Report covering investigation and operation of two kw arc transmitter sub by Federal Co S&W	629
417767 from 226			To L.A. Hazeltine- fwds patent office letter of 8/7/19 action taken on patent 8/4 L. A. Hazletine- Considers Govt has no right of entering in specific sub division. 8/25 W To L.A.H- fwds paper- 8/31/20 L. A. Hazletine- Further data. 9/8 W.	
510231	8/5 8/6	Bur Stand. Washington	Request one CW 936 drawing complete, be furn. W.	
510293	8;5	Phila	20 kw arc radio transmitter reqt instrns book. W To Phila. fwds prin's 8/9	

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N.S.E. Form 134.

REC & SENDING

Number.	Date.	From or To—	Subject.
510207	8-9	To Wireless Spec Appr Co.,	Reqst verification of.info recd rel spark gap supplied U.S Fruit Co by Mr. E.J.Simon of Wireless Improvement Co and instaled on SS LIMON. W To NY- Reqst fwd info rel above 8/9 cop DRMO NY Wireless Spec. Appr. Co 8/16 W To Wireless Spec Co 8/21 N.Y. 8/23- Fwds drawing, giving detail. 8/23 W Tropical Radio Co.- Fwds report on spark gap. 9/5 W. To Tropical RT Co. acknow report. 9/11
5 467793	from card 262 See 896 also GE Co.- Radio Corpn of America will subm composition. 8/26 W To Washn Reqst comment be submitted To Amer R& R Corp Reqst com be sub 9-29 To G E Co Reqst com be subm 9-29 To Western E Co Reqst com be sub 9-29 To Westhouse Reqst com be sub 9-29 To Deforest R Tel & T Co Reqst com be submitted 9-29 To Bureau Standards 10/2 To Washn reqst comments 9/29 To GE Co 10/1 De Forest Co. 10.1 W. Westinghouse E/M Co. 9/30 W. American R/R/Corpn 9/30 W. Bur Stands. Labr. 9/30 W.	To Firms, Fwds specfns 8/5 To Firms (T) 8/20 rel changing specfns covering trans tube filament volt 12 instead of 16 as previously proposed. W Westinghouse Lamp Co.- Will subm samples in 2 Weeks. 8/17 W. De Forest Co.- Refuses. W.8/21 American R/A Corpn Will advise later.8/21 W Westinghouse Co. Will submit sample 9/10 8/21 W B. W. Weeks- 8/23- (T) no objection to changing fillament. 8/23 W. F. Conrad (T)-No objections to changing specifications. 8/23 W. American R/A Corpn- Will submit samples in 6 weeks. 8/23 W. Western Elec. Co. (T)-No objection to 12 Volts. 8/25 W. To Bu Stds- Reqst comment be submitted 9-29
511079	8/11	Fed. Tele. Co.	Fwds vandykes covering instrms on 2 KW arc transmitters. W.
511261	6/29 8/11	N.Y. Naval Militia 3d Dist	Request wireless apparatus be furn. W. fwd NY 8/19 RB 9/9 W fwd Comdt 3rd Dist 9-22; RB 10-28: W 3d Dist- Tracer fwded to Naval Malitia N.Y. 10/13 W. fwd Comdt 3rd Dist 11/5 RB 11/19 W. Fwd 3 Dist 11-24 rB 12/11 W To Comdt 3rd Dist 12/17

To CARD 295

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
480737	FROM CARD 272		S&A- Copy of action to Fed. Co. 7/28 W. CANCELLED- S&A Fwds letter from Fed. Co. in conn with modifications of contract for arc transm. 8/12 W fwd S&A 9/3 S&A- Gives total expenses to 4/30 9/8 W. To Washn-No work to be undertaken at present 7/18/22 W	
508435	7/29	CP OHIO	Chopper or modulator for use with arc radio transmitters- subm sketch and description of submitted by Gunner M. Kenny. W. To Washn. reqst invesitgation of 8/9 Washn- Report on investigation of sale. 9/27 W fwd CO OHIO 11-13 RS 11/28 W.	
508457	7/29	N.Y.	Report on shipt of motor buzzer sets to Mare Island and Pug^t Sd. WR.	
508557	7/29	Western Elec. Co.	Fwds tentative specifications for N type vacuum tubes. W.	
508576	7/29	F. H. Lovell Co.	Request prints of signal key and boxes. W.	
34287	7/30	To Inspr GE	Rel to claim of Submarine Co. for reimbussement for development costs in conn with amplifier.	629
508715	7/29	American R /R/Copn.	Suggest Bureau endeavor to secure delivery of nickel silver from American Brass Co. providing order is placed with Chandler Co. for dials. W.	

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Number.	Date.	From or To—	Subject.	
508292	7-31	To Anacostia 918	Aviation- Junker type all metal plane, radio equipment to be installed in. Reqst W C&R- Copy of action to Anacostia. 8/7	W.
508805	7/24 MI 6/22	Mare Island W.	Request authority to issue addtl stg batteries for vacuum tube circuits to Destroyers. To M.I. 8-11 MI- 3/26 W MI- 3/21 W MI 3/28 W	W.
509230	8-3	To GE Co	Fwds print.	W
45712	7-31	Washington	Request disposition be obtained from Sperry Co. covering defective receivers. S	629
509205	8/2	1st Bd Survey 3 Dist	Fwds copy of letter from Internatl R/T/Co. requesting authority to purchase quenched gap. W.	
509230	7/29	G. E. Co.	Request print covering details of name plates. W.	
509367	8/3	G. Martin	Request drawing showing receiver and connections for audion. W.	
[illegible]	[illegible]	[illegible]	Request [illegible] plates. W.	
509579	7/22 8/3	Bar Harbor 1st Dist	Cooperative transmission test on combined spark tube transmitter & report cov. W.	

RECEIVING & SENDING 1920

Number.	Date.	From or To—	Subject.	
506384	7/13	Radio Corpn America	Have not yet received receiver which Bureau is loaning; ask if shipt. W. To Radio Corpn. rel shipt 7/24	
506076	7-21	To N.Y.	Reqst fwd revision of sheet 8 of drawing 133 loading coils. W N.Y.; 7-27; W	RY 34F
42141	7/19	Wash	Fwds report of test of proposed cheaper circuit for 2 k.w. arc transmitter submitted by Fed Tel Co; SW	629
506358	7/21	To N.Y. Ph Norf Bar Harbor Annapolis OHIO	(T) Rel test 7/22 on 30 kw arc with special uniware key.	903
507125	7/23	Washington	Fwds new set of specifications for vacuum tubes. W. To Comdt Washn. appvl 8-6	
504898	7-23	To S&A	Reqst shipmt from Bur Standards to Tuckerton tone wheel complete with auxiliaries.	W
506962	7-23	To Callophone Co.	Gives info rel receiver head sets with which trans must be used have an alternating current resistance of 45500 ohms and direct current of 4400 ohms.	W
506373	7-24	To Comdt Washn	Reqst tests on design problem 106 covering improvements in design of type SE 3650 battleship radio receivers	W
	To Washn. 9/9/20		Washn- Design problem 106 -comparative test of receivers- fwds vandyke report. 8/30	W
	Washington- on test if receivers. 10/6	Fwds supplement to report W.		

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RECEIVING AND SENDING;

Number.	Date.	From or To—	Subject.	
506967	7-24	To S&A	Reqst shipmt of radio apparatus from F.S.B to Washington. RB 8/4 W	W
507126	7-26	To Panama R.R. Steamship Line.	Acknow letter from A.Monthle radio operator on board SS PANAMA reqstg instructions booklets for radio appr installed. Reqst advise if booklets originally supplied lost or damaged W 7/16 A. Monthle reqst wiring diagram or print of Navy std trans set with chargingpanel, W 821 Panama Railroad Co. 7/28- W.	
507911	7-27	Fed Tel Co	Fwds wiring diagrams of 2 k.w. arc transmitters showing generator field; W	
507924	7-28	To Marconi Wireless Co	Reqst fwd vandykes of booklet, radio appr purchased under contract 2014 W. Radio Corpn of America- 7/30 W. Radio Corpn - Rqst further search be made for vandyke booklet;was shipt and paid for 9/1 W	W
507926	7-28	To S & A	Reqst shipmt of radio vac tube detec and ampl from Washington to Puget Sd. serial 3841 Pug.Sd. Request authorize with-drawal of amplifiers from stock for Westoport Comp Sta. W.10/5 To Pug Snd authd 10-16	
508241	?	C. Martin	Request print showing Sperry receiver; also audion amplifier for. W. To-- Unable to handle ind rqsts from shipg Bd vessels 8-4	

[OVER.]

RECEIVING & SENDING 1920

Number.	Date.	From or To—	Subject.	
505021	7-14	To C&R	Radio telegraph aviation wind tunnel at Washn yard reqst for use of. W C&R 7/19 W.	
505020	7-14	To Comdt Washn	Reqst subm design changes necessary to alter long wave receiver type SE 899 with recommendations. W Washington- Subm estimates. 8/6 W. Washn- Fwds prints by messenger with estimate. 8/16 W To Washn- authorized modin. 9/1	
		To Washn appvl changes 8/31 Washington 9/29 W To Wash auth 12/21 Washington 12/29 W		
505337	7/13	War Dept	Fwds copy of report "Coated Fillaments vs Tongston Fillament Vacuum Tubes", by A. B. Blatterman: W.	
505390	7/13	War Dept,	Fwds report on Western Elec miniature tube. W.	
505248	7-15	To Comdt Washn	Reqst fwd recs rel improvements in high speed key type 1413 the desirability of this key has become apparent during operation of at Annapolis. W To Washn. reqst info in re to problem 105-8/17 Washington- Fwds prints with recommendations rel to improvement in design of high speed key. 10/4 W	
		To Washn auth mfg 11/3 To Washington 11/3 Washington- Subm recommendations 12/8 W To Lowenstein Radio Co Reqst vandykes Lowenstein Co. 12/27 W 12-14		
505130	7-16	To Amer RR Corpn.	Purchase of additional radio receivers are not contemplated at this time W American R/R Corpn 7/19 W To Amer RR Corp Fwds copy of report 7/21	
505262	7-16	To Comdt Washn	Reqst subm design of new antenna tuning system and rejector for instaln on destroyers. W Washn- 2/2 W.	

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Number.	Date.	From or To—	Subject.	
505767	7-14	Westinghouse Lamp Co	Request additional copy of minutes of recent vacuum tube conference: W To Westinghouse Lamp Co 7/26	
505783	7-16	J.H. Claus	Submits description of results obtained in tuning radio receiver circuits. W To Bur Stds. reqst comments 8/13 Bur Standard Labr. Comments on. 8/23 W To J.H.Claus- acknow paper 8/31	
505265	7-17	To J.H.Hammond Jr.,	Advise if can make airc set of your secret radio trans and rec system of type demonstrated on board FLORIDA and UTAH.	W
506235	7/14	Mare Island	Fwds 2 KW transmitters rqsted by Washington office of Ted. Tele. Co. W.	
362189	7/17	Ship Board	Rqst authorize Yards toplace on board vessels with new instlns, two vacuum tubes.	771-2
506077	7-20	To Bur Standards	Fwds reports recd from Camp Alfred Vail dated 11/10/19 4/30/20- Reqst comments W RB 8/21 W	

Number.	Date.	From or To—	Subject.
503429	7/6	"ireless Improvement Co.	Takes exce tion to not being invited to conference of radio representatives recently held at Bureau. W. **To- gives reasons 7-13**
503763	7/7	Washington	"eport on test of parts of radio apprs for vacuum tube transmitters subm by GE. Co. W. **To Washn. reqsy return of matrl to GE 7/13** **To GE- rel return of material 7-13**
503752	7/7	Washington	Fwds report on comparative test of vacuum tubes in service. W.
503819	6/29	Washington	Fwds itemized estimate of unit cost of refrigerating tube transitters at Washington Yard. W.
502986	**7-7**	**To Fleets and Europ Forces**	**Radio telegraph- high frequency buzzers to retain in receiving sets of vessels and not to be removed. W Reqst action**
	Europ Forces 7/26 W Asiatic Fleet- Circ-Instrns in conn with rejection of high frequency buzzers. 8/12. W.		Atlantic Flt- Circular-instrns to officers of Fleet. 7/16 W
42121	6/28	Fed Inspr Fed	Submits Fed Tel Co's recommendation covering further change in design and equipmetn for 2 k.w. arc transmitters: SW 629
503877	7/7	Cutting & Washington	Ask if have any new or second hand 5 KW Navy standard arconl transmitters for sale. W **To fwded to S&A 7/9** **fwd S&A 7/9**
504459	7/8	Cutting & Washington	Ask if can borrow 5 KW arc set in conn with test of element on harmonics. W. **To reqst give more definite info 7/14**

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Number.	Date.	From or To—	Subject.	
504022	7-12	To Comdt Washn	Reqst subm design of medium wave length receiver- assigns problem 102-	W
504893	7/12	Washington	Improvement in operation of type SE3531 intra-Fleet radio transmitters. W.	
505130	7/7	American R/R/Copn.	Medium range receivers- suggest Bur orders be manufactured at same time as War Depts order in order to keep down cost of.	W.
504777	7-13	To S&A	Reqst shipmt of radio apparatus from Washn to GE Co W	
504776	7-13	To S&A	Reqst shipmt of vacuum tube subm radio trans from Boston to GE W	
504036	7-13	To John Firth	Fwds print of drawings for use in mfg of 5 kw spark transmitters W Jno. Firth 7/14 W. Jno Firth- Rqst missing prints be furn. 7/27 W To John Firth Fwds Plans 8-4	
505194	7/13	Dept	Fwds copy of letter to E. J. Pilkington recommending no further investigation of mercury arc trabsmitter be made. Abenef. Sug. W	
504898 see card 288				

Remarks

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Number.	Date.	From or To—	Subject.
502160	6/25 ?	J. H. Claus Dept	Subm comments on design of radio receiving circuit which will reduce static disturbances; ask if Bur wishes demonstration. W. 1908
502252	6/28	Washington	Audion control boxes and amplifier - fwds report on test of. W. To Wireless Improvement Co. fwds copy of reports 7/12
472344	FROM CARD 267		Bur Stand. Rsch. Labr. Fwds final reporton design of spark tube transmitter. 6/29 W To Comdts reqst fwd reports 7/14 Bar Harbor- Report on test. 7/19 W Bar Harbor- Copy- report on test. 7/20 W Shipt order from Bur Stds to AF Phila ameters serial number 3824 7/26/20 RB 8/13 W. Bu. Standards Lab-reqt disposition of meters-8:1-W Norf 7/29 W. Phila- Fwds data taken during comparative test on combined spark tube transmitter. 7/30 W To Bur Stds. reqst advise upon completion of tests 8-5
	Resch. Labr- All tests on model spark set have been completed. 8/31 W Bur Stand. Labr- all tests completed. 8/31 W To Wash W 9/30 Washington- Fwds specifications for radio tube filament lighting transformer. 1/21 W.		
501976	6-30	To Comdt Washington see 501967 also	Authorizes remodeling of type SE-1420b radio receiving sets in stock and number due on contract 49355 with Amer RR Corp. W To Washn. assigns alterations to rec 7/20 Wasn- Fwds specifications for remodeling and improving receivers. 8/6 W.
	Washington- Submits estimate. 9/13 W.		
Rec 501795 also			
501975	6-30	To Comdt Washn see 501967	Alterations to 11 radio receiving sets type SE 1420 B to conform type SE 1420D- for ships listed W. To Washn- rel altered rec for IDAHO 7/14 To Pug Snd- Rel replacement of Type SE 1420A receivers in Model "E" "F" "R" Receivers cc S&a 12/10/21 Fwd S&A 12/10

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Number.	Date.	From or To—	Subject.
502415	7-1	To S&A	Reqst shipmt of radio receiver from Washn to Radio Corpn. W
	To Radio	Corpn of America	To Radio Corpn 1-27-21 asks when rec be returned to Yd W
314	Reqst data 3/25		Radio Corpn of America- 2/3 W.
	To Radio Corpn of Am Ask when receiver May be expected		Radio Corpn of Amer-4;1-W
502413	7-1	To Washington	Design problem 101 classeB improvements of radio compass receiver W
			S&A Washington- Instrns covering changes in Type SE 1440 receiver- fwds. W. 8/3
			To Comdt Washn. changes appvd 8-9
500862	7-2	To Comdt Washington	Modification of SE 1899 recievers. Gives statement from Comdr in Chief of Atlantic Fleet in re to Reqst estimates covering modification W
	Shipt order from Wash to Norf for OKLA and NEVADA 7/9		
	Washington- Subm estimates.9/29 W.		
	To wash 12/20		
	Washington 12/30 W.		Shipt order from Wash to Bostn rec for UTAH and FLA 7/9
			Shipt order from Wash to NY for PA and Arizona 7/9
503275	7/2	CO OHIO	Use of barrage receiver for long waves on Shipping board vessels- report covering. W.
503277	7/2	CO OHIO	Use of radio frequency amplifiers on Ship Board eport covering W.
503263	7/3	Radio Corpn of America	Grid leak units shipt to radio test shop Washington for test. W.
500863	7-6	To Comdt 9th Dist	Radio telegraph- Chicago receiving equipmt Auth instaln. W W
			9th Dist 7/28

Number.	Date.	From or To—	Subject.	
500779	6/12	Mare Island	Investigation of Fanning receiving circuit- progress report covering. W.	
500116	6-22	To M.I.	Fwds instructions for telegraphone for use station YERBA BUENA. W	
	Washington- telegraphone	P eliminary instrns for - fwds copy of. 12/17 W Mare s and 7/16 W		
	To Comdt	M.Islnd 1/6	To Washn. req's fwd drawings to MI 7/26 Washn- Fwds preliminary instrns for tele- graphone. 12/17 W	
500115	6-22	To Comdt P.Harbor	Fwds insructions for use of telegraphone at Pearl Harbor. W copy M.I.	
500856	6-23	To S&A	Reqst shipmt of vacuum tube receptacl from Wash to Boston W RB 7/8 W.	
500854	6/22	To Stevens Inst of Hoboken	Conference on radio receiving sets held at Bur June 28th. Invites Prof H.A. Hazeltine to attend. W L. A. Hazletin, 6/28 W.	
500852	6/22	To DeForest Co	Conference on the 28th, Asks if Mr. Horle can be present W	
500853	6/22	To Radio Corpn	Conference on the 28th, asks if L.Shapiro can be present W Radio Corpn of America 6/24 W	
501500	6/24	Bur Standards Rech labr	Results of reception from Washington Yard in comparison test of 8 chopper circuits.	903 W

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Number.	Date.	From or To—	Subject.	
5532	6/24	To GE	Fwds copy of report containing list of modifications necessary to render sample subm radio trans equipment approved for service use. WR	706
501771	6/18	Fee. Co. To Fed Tel Co 7/24	Request authority to quote to Bearborn Publishing Co. on undampt transmitting sets. W. fwd Com 7/1 RB 7/7 W.	
501967	6-29	To Washington see 501976 also	Authorized make alterations Type SE 1420 B radio rec sets for installation in model booths on battleships of Atlantic Fleet W	F&R
501814	6/25	Boston	Request prints showing spark cap, both 5 and 2 KW W. ~~To Bostn fwds 7/8~~	
501872	6/26	L. A. Hazletin (T)	Cannot attend conference on radio receiving set. W.	
501795 see card 302				
501305	6-29	To Comdt Washington To Washn auth mfg of units 9/8	Reqst estimates for mfg of condenser and grid leak units for use in conn w receiving set. W Washn. Subm estimates. 7/9 W.	
304 card		To Washn. amendment of paragrah 2. 9/10/20	Tl Washn. reqst resubmit estimate 7/27 Washington - Subm estimate / 8/12 W.	
		Wasn- Order complete except grid leaks To Washn- 9/1 9/2 o W		
501297	6-26	To GE (T)	Info by wire best delivery sample four Kw tube set motor gen discussed last tube conference W GE Co.-(T)- Best delivery is 48 weeks. 6/28 W	
502139	6/23	Inspr Fed.	Request report on arc transmitter be furn. W ~~To Inspr Fed fwds 7/8~~	
502136	6/28	Washington	Fwds drawings showing complete plans of amplifier. W.	
326 SE 20	6/26	To S&A	Rel reimbursement to Western Elec. WR	

Number.	Date.	From or To—	Subject.	
498503	6-12	To Comdt Washn	Reqst six copies of bookelet be fwded to Bureau Wash.-Fwds instruction books cov medium wave receiver. 6/16 W	W
498501	6-12	To Bur Standards	Fwds galley proof of an article on "The Equivalent Circuit of the Vacuum Tube Modulator" by John R. Carson Ph-D.	W
499222	5/27 6/11	CO BRIDGEPORT Atlantic Fleet	Receiving sets- fwds comments of Gunner C.A McKalvey, rel to improvements on. To Washington. advise action taken in re to defects 7/5 Washington 7/17 W	W
499151	6-14	To Cdt Washn	Reqst fwd vandykes and bline prints. W Washn- Fwds prints. 6/23 W	
499529	6/4 6/14	Yorktown Mine Depot Norf	Request buzzer set for use of landsman for radio electrician on duty at Mine Depot, be furn. Shipt order from Washington to Norfolk buzzer 6/25	W.
499827	6/15	Independant Wireless Tele. Co.	Fwds memo, cov set which Co. would like to secure, now at Fleet Sup Base. fwd S&A 6-17	W.
499554	6-16	To M.I.(T)	Wire number of model "X" radio transmitters and disposition of same. W Mare Island- (T)- Contract calls for delivery of material to Washington. 6/18 W	
499082	6-16	To Wireless Spec Co	Fwds specifications W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
499952	6/16	Lowenstein Co. CQ 332	Request copies of test conducted on motor buzzers be return in order to assist Co. in reducing material expense. W.
CARD 339	Washington- lengths. 12/20 W. To Washn 1/3 Washington 1/6 W. Washington- Progress report 1/18 W W To Washn 6-4 Washn-Rqst type number 9/7 W		To Washington, reqst subm design 7/6 Washington 10/21 W. ~~To Washn constrns of model wave changing and~~ inductance system authd 10-28
499561	6-17	To S&A	Reqst shipmt from Washington to Bureau vacuum tube. W
500210	6/17 6/18	H. E. Hallborg Dept	Beneficial suggestions on brake key with vacuum detector and amplifier reception. W. To Radio Aid Miller. key under test 8-7 To Hallborg. 8-7 Fwd Dept 2/7, RB 2/8 authorizing payment W.
500485	6/19	Washington	Subm report on status of research in conn with British type arc transmitter and 2 KW arc transmitter. W
500586	6/18	S&A	Fwds tracing and proof of illustration, specifications 17-T-8-B covering testing circuit for polarized receiver. SW
500109	6-21	To Washn	Reqst fwd prints. W Washn- Fwds drawings of waver changer. 6/29. W

RECEIVING & SENDING 1920

Number.	Date.	From or To—	Subject.	
497845	6-7	To Norfolk	Advise why 2 type SE 1071 vacuum tube detectors were issued to EAGLE 14 instead of one, as reported. W Copy Back 6/11 W RB 6/18 W. X 2-Z-6.	
498173	6/4	Bur Stand. Resch Labr	Subm. report of test of vacuum tubes for testing set	W.
498238	6/1	Mare Island	Request descriptive booklet covering emergency transmitter be furn. To Comdt M.I.- fwds copies 6-9	W
497361	FRPM CARD 281		CO BRIDGEPORT (T)- Report on radio material available 6/8 W.	
498549	6/9	S&A	Specifications 17-T-7-a- covering test circuit for transmitters- fwds proofs and tracings. fwd S&A 6-11	SW

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
498655	6/9	Bureau Stand Resch Labr.	Subm memo by C. Speaker on fuse lamps for vacuum tubes. Bur Stand. Labr. 6/22 W.	W.
498817	?	Immaculate Conception Rectory	Ask if Navy can furnish wireless sets for instruction purposes. fwd Sec via S&A 6-15	W.
498894	6/10	Norf.	1 complete set of prints of 5KW brake key fwd'd to United Fruit Co.	W.
498491	6-11	To Lowenstein Co.	Fwds photostat prints of magnetic circuit used with 200 kw arcs- Same type used in 500 and 1000 except relative dimensions are increased to correspond with heavier demands.	W
498910	6/7	Bar Harbor	Fwds copy of dispatch from KAISERIN AUGUSTA VICTORIA in conn with regularity of ships tunes in the use of 2400 meters, commercial undampt. Communications 6/11 W.	W.
499082	6/11	Wireless Spec. Appr. Co.	Communications- irregularity of ships tunes when using 2400 meters etc 6/25 Request specifications covering transmitters.	W.

[OVER.]

Number.	Date.	From or To—	Subject.
495575	5-27	To S&A	Reqst shipmt from F.S.B to G.E. radio transmitting set. W Nspr Quincy 3/17 Gives status of set loaned W To nspr mat GE reqsts status of set 3/14/23
495570	5-27	To Comdt Washn	Design problem 58 Test of Hammond Interfleet radio transmitting sets. Reqst test be made W Washn. -Fwds report on test of hammond interfleet radio sets. 11/26 W
496414	5-28	To IM's Comdts S&A To Comdts IM's 12/22 Pacf/ Fleet- Circular- 12/29 W. Phila- Lists vacuum tubes unfit for use. 1/17 W. S&A Cir-In conn with stock title for vacuum tubes. 1/20 W To Phila Gives instrns cc S. Phila Bd I&S 3/30/21	Advises no radio vacuum tubes are to be sold or radio apparatus in which tubes used. W N.Y.- Ask if shall sell material to Ship Board. 6/22 W. To NY auth transfer to Ship Bd 6/25 To S&A 12/21/20 RB 1-21-21 To Fleets S&A Washn rel sale 12/21
496363	5/26	Pacent Elec Co Pacent Elec Co. 7/10 W. Pacent Elec CO- Rqst results to test. 8/25 W Pacent Elec. Co.- Ask if test made. 9/23 W. Washn-Report of test Duo Lateral coils. 10/19 W.	Fwds bulletin describing Duo-Lateral Inductances. W see 893 Fwds Wash Yard. 5-29 RB 6/10 W. To Pacent Elec Co. coils should be fwded to Test ship notifying Bur of shipt of same 6-11 Pacent Elec. Co.-Lists samples of inductances being fwded to Washn. for test. 6/14 W
TO CARD 300			
496425	5-29	To S&A	Reqt shipment transmitter from Bu Standards to Annapolis. serial 3056. W; RB 10-28; W Shipt order from Annapolis to Bur Stds vacutm tube transmitter 6-7 RB 6/18 W
497168	6/1	Lowenstein Co	Ask if type CL-484 covers Lowenstein hand and relay key W To Lowenstein Co. advise reqn or schedule number 6-3
497037	6-3	To M.I.(T)	Asks if have in stock transmitting sets for assignment to destroyers 340 and 341 W Mare Island-(T)- No transmitting sets in stock. 6/7 W.
497360	6-3	To N.Y.(T)	Asks how many trans sets in store suitable for instaln on destroyers. W NY- (T)- Lists spark sets in store, unassigned. 6/5 W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
461037	FROM CARD	257	Cavite- Recommendations covering batteries for store 4/17 W. Shipt order from Wash to Cavite 6-5 RB 11/9 W.
497036	6-3	To Boston (T)	Asks if can supply trans sets for destys. W Boston- (T)- two 5 KW transmitting sets can be spared. 6/5 W. Boston- Request further information. 6/5 W.
497038	6-3 Norf 7/8	To Phila (T) W.	Asks if can supply trans sets for destroyers 229 and 230 W Phila 6/5 W. To Norf. reqst fwd estimates covering instaln of trans on OKLAHOMA 6/23 cc Atl Fleet shipt from Phila to Norf. for OKLA 7/8
497361	6-3	ToBRIDGEPORT (T) To BUFFALO To PRAIRIE	Asks iftrans set carried onboard as tender stock in condtion suitable for instaln on new destroyers building. W BUFFALO- (T)- Have no 5 KW radio spark transmitting set on board; have various parts. 6/4 W. PRAIRIE- (T)- Have no 5 KW radio spark transmitting set on board; have various parts. 6/4 W.
TO CARD 282			PAC Destry. Squad. (T) Neither BUFFALO nor PARIRIE have spark set for instln. 6/5 W.
497595	6/3	Ordn.	Wiring diagrams for concentration transmitters of receivers submittad by Burke Elec. Co.- W. fwds. To Insp mat GE - Gives dispn made of transmitter 3/24/23
497714	5/28 6/4	S. Scribner Communications	Request prints of wireless receiving set. W. To Seth Scribner. cannot supply 6-8

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[OVER.]

RECEIVING AND SENDING APPARATUS

Number.	Date.	From or To—	Subject.	
494258 see below	5/17	G. E. Co.	LeHigh University request quotation on amplifier; ask if will be allowed to quote	W
494527	5/1	Pacf.Radio Supplies Co.	Submits offer of vacuum tubes for sale, manufactured by Morehead Labr. Pacf.Radio Supplies Co. 5/24 W.	W.
494598 See other side.	5/19	L. W. Austin	Fwds comments on the inter-allied protocol with respect to transmitter.	W.
494258 see above	5-20	To G.E. Co.	If amplifier is SE 1605B, have no objection to quoting Lehigh University on this appr., If special amplifier, suggests communicate with Bur Standards. W	
494616	5/20	To S&A	Reqst shipmt of airc radio trans set from Phila to Washington W	
494634	5-21 To S&A reqst status 7/19 S&A 7/23 W.	To S&A	Reqst shipmt from M.Island to Washington of 2 arc radio trans sets. W RB 9/7 W To Wash Yd- Gives instruction to hold sets for naval vessels only. 5-29 Amendment of ship order 6-3	
494917	5-21	To S&A	Reqst shipmt from M.Island to F.SB. of 8 arc radi trans sets. W To I.M. Norf-Trans sets to be held for naval vessels only. and not for S B Vessels.5-29 Amendment of shipt order 6-3	
494915	5-21 Phila 7/25 ~~Fwds report~~ W	To S&A	Reqst shipmt from M.I. to Phila 9 arc radio trans sets. W RB 7/12 Y Amendment of shipt order 6-3 To Phila dispostion of 6-3	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
478225	FROM CARD	270	S&A- 5/19 W.	
494632	5-21	To S&A	Reqst shipmt from M.I. to Norfolk 2 radio trans sets. W RB 9/29 W. To Mare Island (T)-Radio trans sets should be shipped complete with power equipments Amendment of 6 3 To Norf. rel dispostion 6-3	5-29
494598	5-20	To Director Nav Comm.,	Sect Commerce Com report on wave lengths 4/30- gives comments. W	
495087	5/20	Ship Board.	Ask if advisable to remove ampmeter and fillament resistance from audion control boxes and receivers, and install balance lamps. To S.B. not advisable 5-27	W
494571	None	None	History of development of aircraft radio transmitters and receivers. W	918
49333	5/22	Washington	Fwds special report on radio transmitter and interphone unit built by G. E. Co. W	629

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[OVER.]

RECEIVING AND SENDING APPARATUS

Number.	Date.	From or To—	Subject.
493574	5/10	J. T. Fenton	Calls attn to use of certain salts in audion bulbs to replace present externally excited fillament. W. To J.T. Fenton- suggest get in touch with Western Elec Co. 5-25 J. T. Fenton- Offers further assistance: 5/30 W
493738	5/15	Inspr FR (T)	Request sample plan of Lowenstein transmitting set. W. To Inspr F.R. fwds print 5/18
479256	FROM 271 To Pacific Radio Supplies Co. Tubes will be subm to test 8/18 To Washn rel test 8/18 To Washn. test 69 8/24 To GE Co. reqst subm samples 8/24 G.E. Co: will submit samples by Sept 15; 8-27; W Radio Corpn- Can only furnish labr samples. 9/9 To Radio Corpn. 9/13 Radio Corpn- Will make shipt of 6 tubes 9/23. 9/23 W. To Washn 9-27 To Bur Stds. reqst test 10/21 Bur Stand Lapr- Fwds report on test with recommendations. 11/17 W To Washn Fwds report 11-27 Washington- Fwds report of test on receiving vacuum tubes. 1/8 W		To Western Elec Co. reqst expd info previously reqstd 5/14 To Bur Stds. design problem 69- 5/14 Wash- Subm preliminary report on test of Western Elec. miniature vacuum tube. 5/28 W To Washn fwds additional tubes 6-24 To Washington - reqst samples 7/1 Washington- Fwds report of test on miniatures vacuum tube. 7/9 W To Weste n Elec. reqst reply 7-13 To Westinghouse fwds prints 7-13 Western Elec. Co: 30 K Type receiving tubes being sent by parcels post. 7/16 W To Washn. design problem 69- 8/3 To Washn. reqst test be made 8-5 To Comdt Washn. rel test 8-6 Washn. fwds report on test of vacuum tubes submitted by Westinghouse Lamp Works. 8/9 W To Bur Standards- fwds tubes. 8-13
493238	5-15	To Comdt Washington	Reqst fwd bprints of drawings. W Washington- Fwds prints. 5/20 W.
493241	5-18	To Comdt Washn	Reqst estimate to mfg relay keys in accordn drawing fwded, be subm for appvl. W RB 6/7 W

TO CARD 306

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
493955	5/10 Chasn 5/27	Chasn. W	Request shipt of 5 radio receivers be expedited. W. To Comdt Charleston reqst remaining receivers be shipt soon as availa le 5/19 To Comdt Chasn. rel shipmt 6-3	
493970	5/10 Dubilier To Dub Con Dubilier Cond Co. 7/20 W fwd NY 7/24 RB 8/13 W.	Pac. BattleShip Div. #6 Cond. Co.- 7/8 W Co. reqst ship data 7/16	No condensers for transmitters have been received. W. To S&A shipt order from Phila to N.Y. radio 7/3 To Dubilier Cond Co. reqst shipping data covering condensers fwd to WYOMING TEXAS UTAH 7/3 To NY- returns reqst of Dec 5th 1919 disapproved	
493236	5-18	To Fed Tel Co	Asks fwd copy of drawings. W 6/8 Fed. Tele. Co.- Fwds drawings. 6/4 W.	
493792	5-18	To Comdt P.H. via M.I.	Reqst for comments and recs in conn with precautionary measures for prevention of damage to th arc magent windings of high power arcs. W, copy CAVITE RB 12/2 from MI.W To Comdt MI 10/14 Marc Is; 10-25; W	
493239	5/15	To IM's and Comdts	Policy in re to removal of Leyden jars and installation of Dublier condensers. Recs will be made on conditions applying in each case W	882-1
494304	5/8 5/18	Service Radio Club Communications	Ask if Bur will loan radio receiving set for instln in club quarters. W To Service Radio Club. cannot make loan at present 5/20 Service Radio Club 7/1 W. To cannot make loan 7/16	

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[OVER.]

REC AND SENDING APPARATUS 1920

Number.	Date.	From or To—	Subject.	
364286	FROM CARD179		To Federal Telegraph Co. -Cannot locate in Bureau serial numbers of receiving sets loaned by M.I. yard. Reqst return to M.I. two sets one primary and one secondary in place of original ones. W 5/3 Fed. Tele. Co.- Fwds copies of Shipping memo. 5/23 W Fwd Tel Co - 5/26 W. fwd Comdt M.I. 6-5 RB 6/23 W	
491414	5/4	Pearl Harbor	Mutual Telephone Co. request loan of one short wave receiver; disapproves; are fwding full details.	W
49355	5/1	Wash	Submits report on test of receiver manfd by American RR Corp - W	629
491288	5-4	To Comdt Washington	Comments reqstd- desirability of placing grease on receiver contacts. W Washn. 5/8 W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
491590	5/3	Anthony Mach & Elec. Wks.	Ask if Bur desires to purchase quenched spark gap units manufd by Wireless Spec Co. W To Anthony Co. no need for addit onal " type at present 5/19	
491784	5/4	American R/R/Corpn	Acknowledges receipt of vacuum tubes loaned for research purposes.	W
5532	5/5	Washington	Fwds report on test of sample submarine transmitter subm by G. E. Co. WR	706
491431	5-6	To N.Orlns (T)	Remove Telefunken radio trans set on SS ORION and place in store on Shipping Board account period install one kw trans from stock. W copy mail S.B. To N.Orleans (T) charge installn to S.B. copy S.B.	5/11
TO CARD 329 491440	5-7	To S&A Inspr GE- Request return of radio air crft receivers and traction coils. 9/7 W To Inspr GE Gives Action 9/14	Reqst shipmt from Washington to G.E. radio receivers and vacuum tubes Inspr GE- 8/22- Rqst shipt instrns. W. Shipt order from GE to Wash 8/26/21	W
492820	5/10	Western Elec. Co.	10 type N vacuum tubes left at Bureau.	W.
493372	5/12	Bijur Co.	Newer compass receiver supplied by Westinghouse Co. inferior to those supplied by Sperry Co. Recommendations covering acceptance test to eliminate difficulties. Fwd Wash 5/19 RB 6/1 W. To Condt Boston. comments on receivers- defects 6-7	W.

REC AND SENDING 1920

Number.	Date.	From or To—	Subject.	
489144	4-24	To Inspr G.E.	In re to importance of vacuum tube trans items being mfg by G.E. To G.E. (T) shipt radio trans extended for several days 4/30 To Inspr GE-(T)-Rcst GE Co. ship transmitter to BUSHNELL, accompanied by representative	W 5/4
489860	4/26	Washington	Methods of utilizing high voltage multiphase alternating current for supply to plates of power vacuum tubes; subm inform with prints covering	W.
489153	4-24	To Comdt Washn	Reqst test of quick acting break key. Designates as problem 92- W Washn- Report on test of break in relay.	8/17 W
45712	4/24	Washington	Submits report covering damaged condition of received furnished by Sperry Co, with recommendations covering certain changes in; SW	629
490253	4/27	American R/R/Corpn.	Fwds photos and description of Braun tube.	W.
489777	4-28	To S&A	Reqst shipmt from Charleston to N.Y. radio trans sets W RB 1-18-21	
490297	4-29	To S&A	Reqst shipmt from Washn to Room 2436 radio appr. W	

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.
490640	4/28	Anacostia	Status report - W
490905	4/30	Wireless Improvement Co	Audion control boxes and amplifier fwd to Wash Yd for test - fwds descriptive booklet covering - W To C omdt Washn reqst test 5/3 To Washn. reqst return to Wirleess Co 7/2
490640	4/28	Anacostia	Research problem No. 23 simultaneous send receive telephone - status of - W To Anacostia- Will consider all resch work completed, 5/5
472758	FROM CARD 265		N.Y.- Copy Test report 5/1 W N.Y.- Copy- Test report 5/2 W N.Y.- Copy- Test report 5/1 W Bar Harbor-Copy-Test report 5/1 W N.Y.- Copy- Test report 5/1 W N.Y.- Copy- Test report 5/1 W Phila- Copy- Signals heard. 5/2 W Norf-(T) No signals recd 5/4 W Wash - fwds photographs of submarine radio transmitter - 5/5 - W Phila - submits data obtained during test-5/4-W To Otter Cliffs, (T)- Report on test. 5/4 Communications- report on test from 3d Dist. 5/15 W.
490759	5-1	To Comdt Washington	Reqst fwd prints W Wash. Fwds vandykes of shielded telephone cord. 5/10 W

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
434395	FROM CARD 241		S&A- Ask if shall cancel shipt order 3/19. 4/13 W. fwd S&A 4-15 RB 4/17 W. fwd S&A 4/29	
487167	4-15	To S&A	Reqst shipmt from Phila to M.Island vacuum tubes and plugs. W RB 1/3/21	
487174	4-15	To Comdt Washn Yard	Fwds copy of drawings. W	
488300	4/16	American R/R/Corpn	Request Bureau cooperation in securing shipt of material for receivers from American Brass Co.	W.
488247	4/17	Norf	Development of quick acting brake key designed for audion and amplifier reception, -report covering.	W.
488422	4/19	Washington	Norf- Fwds sheets covering plans of brake key for vacuum tube and amplifier. 5/22 W Fundemental antenna capacity of arc transmitters on Shipping Board vessels should not exceed .002 microfarads - request prints be furn.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
484775	FROM 274		To Amer R/R Corpn. Confirms conference on patent matters in re to vacuum tubes 4-20 To Amer R/R Coprn. cannot furnish reports 4-22 American R/R/Corpn- Takes exception to circut being called "Speaker" circuit. 4/27 W. To Bur Stds- suggests investigation be made in re to application for patent 5/4 To American RR Corpn- acknow recpt letter of 4/27 5/4 Bur Standards- Are requesting atty general to apply for patent for Kolster-Whittemore, and Dunemore. 5/17 W. Bur Standards 8/11 W	
488320	4-20	To Naval Intelligence 652	Reqst transmit to London despatch in re to use of acceptor rejector by commercial companies for purpose of receiving thru interference; also if British Admiralty willing Navy divulge this apparatus to these Companies. W Europ Forces- Fwds copy of telegram directing keep information confidential on certain radio improvements until decision is reached. ? W Nav. Intelligence- 5/18 W.	
488285	4-21	To H.D. Kinney, Treasurer Ft. Wayne Radio Assn.,	Cannot sell any vacuum tubes or union equipment due to patent situation. Vacuum tubes furnished G.E. temporary loan, and not sold as stated in your letter	W
488917	4/14	Pug Sd.	Compensating set for main 5 KW spark transmitter not advisable to equip WYOMING ARKANSAS & TEXAS with same, at this time. To Comdt Puget Sd. rel instal 4-20 Pug. Sd.- Use of singel transmitter of different constances- report cov. A 875 7/15	W
489142	4-23	To S&A	Reqst shipmt from Washn to Radio Divn SE vacuum tubes rec and instrucn book W	

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N.S.E. Form 134.

RECEIVING & SENDING 1920

Number.	Date.	From or To—	Subject.	
485506	4/1	Boston	Request 30 vacuum tubes be furn in conn with loop antenna and Bellini Tosi radio compass experimental work. X 919 W. Shipt order from Wash to Boston 30 vacu tubes 4-21 RB 5/25 W	
485858	3/30 4/5	Munitions Patent Bd. Dept	Vreeland Appr.Co. claim to royalty from General Transmission Co. also in conn with Seibt Patent.	W
485492	4-5	To Comdt Washn	Fwds copies of prints, -transmitter with ignition key signalling system.	W
485991 see 465991		card 260		
485960	4/5	Ports	Ask if any vacuum tubes and audion bulbs listed are obsolete, for use as repairs, replacements, of new installations. W. To IM Ports- reqt fwd list of matrl 4-15 RB 4/26W Ports- Subm list of material. 5/4 W	
486050	4/2	Bur Stand Rsch Labr	To S&A shipt order from Ports to Washn 5/11 RB 7/26W Fwds progress report on Speaker spark tube set.	W.
486306	4/7	Phila	Recommends 100 Morehead tubes be furn for stock in 4th Dist. X889-15. W. shipt order from Wash to Phila vacuum 4-14 RB 5/19 W	
486293	4/6	CO OHIO	Request antenna brake relay transmitting key designed by Norf Yd be given trial with receiving equipt.p CO OHIO 7/13 W	W.

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[OVER.]

Number.	Date.	From or To—	Subject.	
486319	4/7	Wash.	Operation of 2 Kw arc transmitters - comments on shutting down arc while receiving.	W.
485502	4-7	To S&A	Reqst shipment from Schenectady to Wash radio equipment W	
486349	4/8	Washington	Subm recommendations covering change of binding post stubs used on receiving equipt. W. To Washn- appvl of change 4-14 Wash. Fwds drawings. 5/20 W.	
486392 CARD 331	4/7 To Amer RR Laboratory- 5/24/21 To Phila 7/13 Aircrft Factry 7/29 W Phila. 8/1 W.	American R/r Corpn	Request Navy furnish 4 standard 250 Watt tubes for use in transmitter being developed. W Shipt order from Airc Factory to Medford radio vacuum tubes 4-16 Fwd S&A—8/9 W	
486454	4/7	~~Bur Standards~~ Rsch Labr.	Fwds report by Dr. J. M. Miller covering Western Elec. Type N tubes. Jno M. Miller -Radio design problem #69- Report on Western Elec.Co. Type N tubes-fwds.W ?	W.
486435	4/5 To F.S.Base- Advise if have on hand in the used material acct any Marconi type non-synchronous spark gaps. 5-29 RB 6/8 W To Comdt 9th Dist- cannot furnish material 6-9	9th Dist	Request Bureau ship rotory gap to be used for repairs on obsolete equipt at various stations. fwd Phila 4-12 RB 4/20 W.	W
486517 To MI reqst fwd info 1/10/21	4-13	To Comdt Washn.	Reqst investigation problem 91 application of eddy current ring to standard Navy arc transmitters. W Wash - fwds special report on application of Eddy current rings to standard Navy arc transmitters - 5/11 - W MI- Fwds report on experiments with copper rings at South Frisco Sta. 1/29 W	

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RECEIVING SENDING RADIO

Number.	Date.	From or To--	Subject.	
484080	3/26	Washingtpn	Mountings for 50 Watt transmitting tubes fwds prints and suggest type numbers be assighed.	W
8 474169	3/22 To Comdt M.I.- auth for repair trans 4/5	Mare Island RB	Subm report on unsatisfactory condition of transmitters recd at Yard giving estimate covering repairs. fwd S&A 4/5 RB 5/14 Y To Cdt Boston- fwds coy of survey report 269 1162- for use in action in preparing items for shipt 4/5	W.
483847	3-27	To S&A	Reqst shipment from Boston to G.E. Co radio appr. W	
484351	3/27 To SCORPION 3/31	Europ Forces Copy	Request double allowance of transmitting tubes be placed on next Destroyer dispatched to Europ. waters for issue to ships at Constantinople. To Europ Forces(T) 3/29 Shipt order from Wash to Phila vacuum tubes 3/30 RB 6/7 W	W
484253	3-29 Washn.-Fwds copies of specifns for 5 KW arc transmitters for Ship Board vessels. X771-2. W.5/22	To Comdt Washn	Design problem 88 specifications for 5 kw radio arc transmi tters. Washn. Rqst antenna characteristics of vessels on which sets are being installed 4/8	W W.
484254	3-29	To Comdt Washn	Telephone signalling should be included in all vacuum tubes trans equipments W copy Anacostia and Bur Stds.	
484247	3-30	To Fritz Lowenstein	Asks rel to success with arc transmitters, use with radio telephony- W Lowenstein Radio Co. 4/8 W. To F.Lowenstein- will be glad rec ive any suggestions 4-20	

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N.S.E. Form 134.

REC & SENDING: RADIO

Number.	Date.	From or To—	Subject.	
484264	3-31	To Comdt Washn.,	Authorization for mfg of submarine radio receiving equipment. Lists. W Washington Subm estimates. 4/14 W.	
484265	3-31	To Comdt Boston	Fwds copy of drawing, supserseding previous drawing. W	
484775 276 484742	3/29 To American R/R/ Corpn. asks rep con er with Bur 4-12 American R/R/Corpn 4/12 W. American R/R/Corpn-Fwds copy of letter 4/12 4/14 W. 3/21	American R/R/Corpn R. W. Dobson	Subm information rel to AC tube developed by Co. American R/R/Corpn. 4/7 W. To American R/R/ Corpn- reqst rep of Co consult with Bur in re above 4-10 Ask if possible to purchase radio apprs listed. W fwd S&A 4/2	W
410881	FROM 220		To Washn- auth for mfg of amplifiers- 4/1 Washington 4/3 W. To Washn- fwds 5-1 To Comdt Wash. rel design 5-25 To Wash rel design 7/1 To Washn rel test 9-28 Washn- Fwds report of test on amplifiers. 10/22 W Washington 11/4 W. To Washington appvl of design 11-10 Washington- Fwds revised report on inspection of amplifiers. 11/16 W.	
484762	4-2	To American T& T Co	Asks info re printing telegraph which can be used for reception of radio signals.	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
481933	3-13 3-16	N.Y. S & A	Fwds correspondence in conn with disposition of Sperry emergency radio transmitters at Various yards; W fwd S&A 4/10 RB 5/5 WK fwd S&A 5/8	
482501	3/19	Wash	Acceptance test of receivers manfd by Sperry Co - submits report covering, calling attention to defects - W	
481995	3/18	To S&A	Reqst shipment from Washington to Phila radio rec amplifiers. W RB 5/5 W	
482971	3/22 To Independent Co. fwds copy 4/14 To Wash- reqst fwd sample rec to Independent Co 4/14 Independant Wireless T.Co.-4/15 W Washington, 4/21. W.	Washington	Request disposition of radio receiver received from Independant Wireless Telephone Co. W To Cdt Wash 3/29 Wash. Fwds report of test on receiver subm by Independant Wireless Telegraph Co. 4/8 W.	
483053	3/20	Anacostia	Continuous wave reception without heterodyne- fwds sketch of Taylor system with comments on. W. Anacostia- fwd sketch of Taylor receiving system for continous waves with comments on. 3/26 W.	
482444	3/24	To S&A	Reqst shipment from Washn to Phila, Bruce relay Dept contract 2777 with J.H.Hammond Jr. W RB 5/10 W	
483116	3-24	To PROMETHEUS	Fwds booklet, reqstd in letter of 3/15th W	
483117	3-24	To Comdt Wash	Reqst booklets be fwded W Washington- Fwds instrn booklets- 3/26	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
483118	3-24	To Comdt Wash	Fwds booklet. W	
483484	3/24	Washington	Investigation of high potentials developed in 1/2 LW emergency transmitters- report covering.	W.
483021	3/22	Washington	Standardization of meters for marine tube transmitters; recommendations covering. W	893
483124	3-26	To Comdt Washn	Design problem 85- airc receiver W To Comdt Wash. instructions covering W 4-12 Washington- Fwds prints 10/1 W. To Cojdt Washn 10/11/20	
483843	3/26	To S&A	Reqst shipemt from Washington to M.Island radio appr. W RB 6/29, W	
484129	3/26	Fed. Tele.Co. VOID - See 42141-629	Subm comments on question as to readings of various units of 2 KW arc transmitters- fwds sketch. W.	
484120	3/26	Washington	Subm report on service test of contacts for high speed arc transmitting keys.	W.

RECEIVING AND SENDING: RADIO

Number.	Date.	From or To—	Subject.	
480316	3/9	To S&A	Reqst shipment from Boston to Key West one radio relay key. W RB 6/19 W	
480551	3/9	To Comdt Washn	Reqst advise to to complete receiving outfit is available from surveyed equipment, for instructional purposes. W Wash - lists apparatus available for instrn purposes - 3/19	
480737 TO CARD 289	3-11	To Fed Tel Co Fed. Tel. Co. - 5/6 - W To Wash. fwds copy letter from Fed Co 5/18 RB 5/25 W Fed- Tele Co.-Subm further report 7/8 W To S&A amendment of 7/26	Reqts try out method outlined for steadying Arc. W To I.M. Ny-Reqts loan transmitting set to Lowenstein Co. copy to Lowenstein Co-Inspr Brook and Comdt Wash. 3-11 NY - reqst instrn set - 3/18 To IM NY 3/22	
480742	3/11	To S&A	Reqst shipment from Washn to Schenectady radio appr. W	
481166	3/10	War Dept 727-1	Will be able to suply 5000 additional vacuum tubes. W To M Is(T)-Sets availabel M Is. Advise number now available. 3-12	
480750	3-12	To I.M. Ny-	Slaby-Arco Relay-Advise if set in store. W To Norf- Ditto. 3-12 N.Y. 3/22 Norf 3/25	
481204	3/15	To Comdt Washn	Reqst detector fwded by Fred Hoover on March 12th be given test. Designates as design problem 82 class B as regards urgency. W Wash- Fwds report test of Hover dedector. 3/31 W	

N.S.E. Form 134.

898: RECEIVING AND SENDING: RADIO:

Number.	Date.	From or To—	Subject.
481894	3;16	Washn	Submits report on operation of 2kw model "X" transmitters of 210 ampere air batteries and sufficient for.W
186 481[illegible]	3/13	M Is T	Report on receipt of transmitters - W To Cdt M.I. 3/17
481603	3/13	Western Elec. Co	Submits recommendations covering test of 50 tubes - W Western Elec. Co. Fwds report on miniature vacuum tubes. 4/9 W.
481776	3/15	Wash	Reqst reports be obtained from vessels on which intra fleet transmitters have been installed, in connection with development o of small type transmitter - W
481797	3/12	Phila	Reqst 50 vacuum tubes be furnished for stock - W Phila- Request action. 4/5. W. Shipt order from Wash to Phila vacuum tubes. 4/9
248 482218	3/18	Wash	Booth protecting relays - recommends modification to diameter of conical contact-W To Comdt Washn. drawing revised 4-14
482106	3/15	Philip Shore	Ask if Bu. has any wireless outfits for sale - W fwd S&A 3/24 RB.4/12. W. fwd S&A 4-19

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
479248	3/3	To S&A	Reqst shipment from Phila to Westinghouse Lamp Co Bloomfield radio appr.	W
479249	3/3	To S&A	Reqst shipmt from Phila to Westinghouse Elec & Mfg Co. Pittsburg radio appr. To Phila- Ask if vacuum tubes returned 11/23/21 Aircrft Facty- 12/6 W.	W
479251	3/3	To S&A	Reqst shipmt from Phila to N.Y. Western Electric Co. radio appr.	W
479473	2/28 3/3	J. T. Corkran Communications	Ask if possible to purchase old style telefunken wireless receiver - W fwd S&A 3/5	
479252	3/4	To S&A	Reqst shipmt from Washington to Phila radio rec and amplifiers. W R B 3/22	
479256	3/4	To Western Elec	Reqst fwd samples. W	
279		Weston Elec Co. 4/1 W. Western Elec.Co. 4/10. W. To Cdt Wash- reqst test 4-12 To Western Elec- fwds copy of prel report- reqst addtl tubes and sockets 4-21	Western Elec. Co - fwds miniature vacuum tubes and sockets - 3/18 To Western Elec 3/29 To Bur Stds 3/29 To West Elec 4-26 To Wash rel addtl sockets 5/14	
455820	3/5	To War Dept. 727-1	Asks what action taken in re to reqst for transfer from army to navy of vacuum tubes. W War Dept 2/26	

Number.	Date.	From or To—	Subject.	
480926	3/4	Fed. Tele. Co.	Request copy of report of test on Chopper circuit, 2 KW arc transmitter.	W.
35316	3/4	Chicago	Fwds report on Asst Inspr covering rejected tubes at Western Elec Co, with recommendations covering disposition of SW	629
478691	3/3	To S&A	Reqst shipment from Airc Factory to Washington radio apparatus for Postoffice Dept. (478837-685)	W
			Air Fty-matl recd in poor condition-4:26-W Aircrft Facty- Lists material retd to stores.	12/6/21
			To Aircraft Fac Phila via Comdt equipments shld be surveyed 1/25/22	W
479458	3/6	To S&A	Reqst shipment from Washington to Westinghouse Co. E. Pitts radio appr. W	
	locate tubes W		To Westinghouse EM Co 1-29-21 reqst returnr of tubes. W	
344	To Westinghouse Co Gives instrns rel tubes 8/30		To Westinghouse 6-23	
	To -- Reqst status of tubes 11/19		Westinghouse Co- 7/5- will endeavor to	
	Westinghouse E/m Co. 12/22 W		Request vandyke covering 10 KW relay key as manufactured by American R/R/Corpn.	W.
480355	?	Boston	To Cdt Boston fwds 3/10	
480054	3/8	To S&A	Reqst shipment from Washington to Schenc radio appr.W	
480055	3/8	To Cdt M.Island	Reqst fordrawings. W	
			Mare Island- Fwds prints covering magnetic loss in bulk heads from 2 KW loading coils.	W.
480056	3/8	To S&A	Reqst shipment from Boston to Schenectady radio W	
			To Boston Reqst inform 12-23	RB 1/3/21

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
477950	2/27	To S&A	Reqst shipment from Fleet Base to Boston 20 transmitting sets W RB 9/20 W. To S&A reqst status 9/16 S&A- Shipt order 9/1 ctte 9/18 W. 9/14 U	
477953	2/27	To S&A S A- Copy of telephone conversation rel to shipt. 8/26 W. N.Y.- Report of shipt tp Phila. 8/30 9/2 W.	Reqst shipment from Fleet Base to Phila 20 trans sets W ; RB 9-27; W To NY. radio appr. rel shipt 8-2 N.Y. 8/11 W. To NY. rel shipt 8/19 To S&A reqst status 9/15/20	
477954	2/27	To S&A	Reqst shipment from Fleet Base to Washington radio appr. W To S&A- gives status of shipment 2/17 S&A 4/1/22. W.	
477955	2/27	To S&A	Reqst shipment from Fleet Base to Norfolk 10 trans sets W To S&A reqst status 9/16	
477957	2/27	To Comdt Washington	Reqst copies of revised drawing be fwded. W Wash - fwds amplifier van dykes - 3/15	
477958	2/27	To S&A	Reqst shipment from Fleet base to Charleston 5 trans sets W	
478691 see 316				
477959	2/27 To M.I. 2-19-21 MI- Subm estimates. 3/5 W To MI Est appvd 3/18/21	To S&A	Reqst shipment from Fleet Base to Mare Island radio appr. W RB 6/2/21 W. To S&A reqst status 9/16 To M.Island 1-18-21 Mare Isl) Subm estimate- 2/5 W	
478220	2/27	To S&A	Reqst shipment from Fleet Base to Puget Sd 20 trans sets W RB 4/6 W	

REC AND SENDING

Number.	Date.	From or To—	Subject.	
			S&A - copy of action to Bost - 5/10 - W	
3 478225	2/27	To Cdt Boston	Advise if transmitting sets in store at Boston. W	
TO CARD 280 X - 6		Shipment order from Boston to Phila trans sets 3/15 Phila-Recommends 1st 4 transmitters, b assigned to Destroyers 227 - 230 3/2 To Phila 3/27	Boston- Lists 5 KW transmitting sets on hand for further disposition 3/5 Washington- Fwds special report on test of grid-leaks manuf by GE Co. & Western Elec. Co. 3/10 W To S&A- asks status 5/8	
478229	2/28	To Cdt Wash	Reqst prints be fwd Bureau W	
478236	2/28	To S&A	Reqst shipmt from Fleet Bas e to Washington radio appr. W	
478238	3/1	To S&A	shipment from M.I. to Pearl Harbor radio W	
478681	3/1	To Comdt Wash	Fwds copy of drawings. W	
48215	2/26	To Cdts IM's Cdrs in Chief	Lists preliminary disposition of 450 model BC radio motor buzzer sets	629
478865	2/26	Naval Advisory Comm	Fwds W. E. S. Temples reqst for vacuum tube amplifiers W	918

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
477358	2/20	Pug.Sd. (T)	Ask where felt for foundation angles, sound proof booth is to be obtained.	W.
477433	2/19	Cdr. A. H Taylor	Fwds diagram of Taylor receiving system in comm with application for patent on system of continuous wave reception.	W
477622	2/20	Bar Harbor	Subm report on Hoxie stabilizer 4 stage combined detector and amplifier.	W
477314	2/21	To S&A	Reqst shipment be made from Fleet Base to Great Lakes, radio appr. W RB 3/25 To S&A amendment 2/24 Fleet Sup Base 3/2 Grt Lakes- sk proper appropriation to charge material for radio school at Great Lakes. 707-11 7/17 To G.L. allotment made 7-28	
477319	2/21	To Comdt Washington	Reqst for loan of rejector. for Radio Research Laboratory. W	
5069	2/17	Anacostia	Reqst information as to just what San Diego Air Station calls a satisfactory performance of receivers- "	629

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Number.	Date.	From or To—	Subject.	
477358	2/24	To S&A	Reqst shipment from Mare Island to Puget Sound, radio apparatus for ARKANSAS N.Y. and TEXAS. W	
477086	2/25	To S&A	Amends shipment order of 2/21 W To S&A ship from Wash to G.L. radio 2/21	RB 4/8 W
477949	2/26	To Comdt Washington	Reqst copies of instructions booklets be fwded Bureau. W Washington- Fwds instruction books. 3/8	
477951	2/26	To Shipping Board	Fwds copy of instructions booklet. W	
478010	2/25	Washn	Lists battleships which have been supplied with std battleships rec equipment in place of plugs W	902
478304	2/25	Francis H Legget & Co.	Request inform rel to possibility to purchase 2nd hand radio sets To S&A 2/28	W
478300	2/26	Mazer Acoustile Co.	Request authority to purchase navy type amplifier for use in experimental work. To- 3/8	W

RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.	
474711	2/16	To Cdt Phila	Reqst transmitters reported incomplete in change of material sheet 1313 of 11-28-19 be made complete by drawing material from stock Airc Fac Ph, subm new sheet. W	
476732	2/12	Wireless Appr.Co. 727-1	Request of Panama Ca nal for quotation covering crystal detector and detector renewals, which were later furn by Navy Dept. Takes exception to Navy acting as competitor against commercial concern. To 2/21	W.
475724	2/17	To S&A 685	Reqst shipment from Wash to College Park, Md. radio appr. for P.O. Dept. W RB 5/3Y	
476038	2/17	To S&A	Reqst shipment from Phila to Washington radio appr. W	
476414	2/17	To American R & R Corpn	Information reqstd when rejector shipt To American RR Corpn 3/17 American R/R/Corph. 3/25 To American RR Corpn 3/31	W
476713	2/19	To S&A	Reqst shipment from Fleet Supply Base to Coco Solo radio appr. W S&A 3/3 fwd S&A 3/8 S&A- Request return of correspondence. 4/9 W. fwd S&A 4/13 RB 4/28. W. fwd S&A 5/3	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
476894	2/17 2/18	3d Dist Communications	Holland-Marconi Co. desire to purchase 12 Navy standard receivers; have been referred to commercial Company. To D CS 3rd Dist 2/19 copy 1M NY and Com fwd Cdt Washington 2/19 RB 2/27	W.
468772		FROM CARD 262 American R/R Corpn. 3/29 W. American R/R Corpn-Co will be represented by L. T. Wilson. 3/29 W. To DeForest rel conference 5/24 To Amer RR Copn 5/24 To Westinghouse 5/24 To Western Elec 5/24 To GE 5/24 To Radio Corpn 5/24 Radio Corpn of America-5/26 W American R/R Corpn 6/7 W To Firms regst attendance of rep at conference 10/30 To War Dept fwds copy of letter 11/2 To Washn 11/2 TO CARD 298	Washington- Subm comments and suggestions 2/18 To GE 3/24 To American RR Corpn 3/24 To DeForest 3/24 To Western Elec 3/24 To Radio Corpn 3/24 To Westinghouse 3/24 Radio Corpn of America 3/25 To Comdt Wash. asks be present 3/26 Radio Corpn of America: 3/26 To Radio Crpn(T) 3/27 To Westinghouse (T) 3/27 To American RR Corpn(T) 3/27 To Western Elec (T) 3/27 To DeForest (T) 3/27 To GE(T) 3/27	
476696	2/20	To Naval Intelligence	Regst translations of articles be made. RB 3/26 translated	W
476699	2/20	To Radio Corpn.	Regst fwd booklets previously regstd - transmitters, mfg on contract 28770. Radio Corpn of America- 2/25 GE Co.- Fwds packing slip cov instrns, 10 KW transmitters. ? W	W

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RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.
472344	2/11	To Bureau Standards	Design of spark tube transmitting equipmt designated as problem 72, assigned class C. W (Reference shipt order 1/29/20-no record)
TO CARD 285		Bu. Stand. Research Lab - 4/29-W To Bur Stds- auth granted to dismant equipment 5/4 To S&A-Rqst shipt of transmitters & ammeters from Phila to Washn. 2649 - 5/5 RB 6/2 W To Wash test as problem 72 6-22	C. Speaker progress report on spark tube set. 2/29 Bur Standards Research Labr. 3/5 Bu. Stand. Research Lab. - progress report on Speaker spark tube set - 3/19 To Bur Stds. reqst fwd to Wash Test Shop 6-22
474511	2/11	To American Ever Ready Works	Reqst copy of catalog. W
475404	2/12	To S&A	Reqst shipmt from Phila to De Forest Co NY radio vacumm tubes. W
475406	2/12	To Cdt Washington	Reqst for drawings. W Washington- Subm data requested 2/16
475408	2/12	To Cdt Wash	Fwds drawings. W
475685	2/12	Boston (T)	Request authority to draw vacuum tubes for Boston Radio Sta. W. To Boston (t) 2/14
475011	2/13	To S&A To Western Elec Co- reqst return of tubes loaned 1-29-21 Western Elec. Co. 2/4 W. To Western Elec 2-9	Reqst shipmt from Phila to NY Western Elec Co radio appr. W To Western Elec - advise rel vacuum tubes 12/14/20 To Phila 1-7-21 RB 3/11 W Western Elec. Co. 1/4 W.

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Number.	Date.	From or To—	Subject.	
475952	2/12	C. C. Waterman	Ask if Can purchase standard Navy radio receiver. To S&A fwds letter 2/16	W.
476044	1/31	CO BEAVER	Submits report on test of break key system, fwding diagram.	W.
476015	2/14	Washington	Suggest two sets of double scale radio frequency ammeters with heating elements be placed in stock.	W
476038	2/14	Washington	Request Phila. fwd 20 small porcelain insulators for instln of standard Battleship transmitting and receiving equipt.	W.
475012	2/13	To S&A	Reqst shipment from M.I. to Puget Sound radio appr. RB 4/12 W. W Pug.sd. Shipt made to Westport. 9/4	W.
475409	2/13	To S&A	Reqst shipmt from Ph to E Pitts Westinghouse Co. radio appr. W RB 3/19 Phila- T - No vacuum tubes available To Phila (T4 2/19	2/18
45712	2/13	Wash	Submits report on acceptance test of receivers submitted by Sperry Co- SW	629

RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.	
474425	2/2	J.R. Phillips	Reqst specfns covering receivers which will be offered for sale. To S&A 2/7	
473605	1/28	Fed Tel Co.	Recommends installn of single wave signalling system be made at San Diego station W	901
474031	2/7	To S&A	Reqst shipment from Wash to Dept radio app. W	
474502	2/7	To S&A	Reqst shipment from Washington to Phila radio compass receiver. W To S&A cancellation 2/25	
474425	2/2	J. R. Phillips	Request specifications covering receivers which will be offered for sale. J. R. Phillips- Request specifications and prices on dismantled receiving equipt. 2/27 To S&A fwds letter 3/3	W.
474710	2/5 2/7	M. B. Davis Co S&A	Ask if Bureau can use radiocite crystals, manufactured by Electro Importing Co. To Cdt Washington 2/12 Washington 2/14 fwd S&A 2/17	W.
474507	2/9	To S&A	Reqst shipmt from M.I. to Ft Gibbon Alaska radio appr for Signal Corps. W	

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
474509	2/9	To Firms Cutting & Washington 2/14	Fwds drawing. W American R/R/Corpn 2/11 K&C Co. 2/13- Drawings recd. Westinghouse E/M Co.-Ask number of two KW transmitters, Navy will require. 2/14	
474514	2/10	To S&A Westinghouse Lamp Co. 2/14 1921 RB 3-To Phila- disposition of tubes 2/25 To Westinghouse Lamp Co 3-14-21 To Westinghouse Tubes recd at Washn yard 4/14	Reqst shipmt from Phila to Bloomfield NJ Westinghosue Lamp Co 2 vac tubes. W RB 2/16 To Westinghouse Lamp Co- reqst return of vac tubes loaned 1920 1-29-21	
474999	2/9	Washington	Fwds revised vandykes covering amplifiers.	W
475050	2/9	Washington "	Comparative transmission test of arc spark and tube transmitters- report covering.	W.
475049	2/9	Washington	Fwds report of test on 2nd grade vacuum tubes in conn with specifications for. W.	
475173	2/10	Washington	Transmitting tube submitted by DeForest Co. in in accordance with requirements.	W.
475174	2/10	Washington	Sample vacuum transmitting tubes subm by De Forest Co. are not in accordance with requirements.	W.
475175	2/10	Washington	250 Watt transmitting tubes subm by DeForest Co. not acceptable.	W.

RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.
472758	1/29	To Comdt Wash	Preparation of specfns for design problem 2 vac tube trans for subs W
	To Norf rel. test 4/30(T)		
	To Phila (T)4/30		Washington-Fwds proposed specifications for submarine tube transmitter. 2/26
TO CARD 277	To N.Y. (T) 4/30		
	NY- Copy-MANTOLOKING recd submarine test 5/1 W.		Washn- Fwds special report on sample model TS radio transmitter subm by G.E.Co. 4/14 W.
	NY- Copy-	Test report W	To Comdt Washn- reqst prints be fwded 4-26
			To Otter Cliffs (T) rel test 4/30
472770	1/30	To S&A	Reqst shipment from Washington to European Forces radio appr. W RB 3/10
473305	1;31	H W.Ketchen	Report on comparative strength of signals received on a loop with a detector in series than in parallel with a loop circuit capacity by E.B.Judson.W
473489	1;28	9th Dis	Exhaust for arc transmitter-fwds diagram of with comments.W
472776	1/31	To Bur Standards	Fwds data on Filter sytem used by Sub Sig Co. W
			Bur Stand.Resch.Lab. Fwds prints.4/19 W.
473029	2/2	To S&A	Reqst shipment from Washington to Bur Standards radio appr. W RB 2/19
474016	2/6	To Cdts Stas Insprs IM's	Corrected prints for high spped key system W

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Number.	Date.	From or To—	Subject.	
473604	2/2	Washington	Subm report of test on hydrogen oscillators manufactured by Westinghouse E/M Co.	W.
		Wasn- Contractors oscillators subm by Westinghouse - subm report. 9/23 W To Washn 9-28	To Wash 2/6	
		Washn- Fwds report on test of hydrogen oscilators 10/7 W. To- Fwds report 1-25	Washn.-Fwds report of perliminary test made on hydrogen oscillator, subm by Westinghouse lamp Co. 6/15 W	
473609	2/2	Fed. Tele. Co.	Request report of test on 2 KW arc spark and bulb transmitters made at Washington Yard.	W.
			To Fed Co. 2/28 Federal Tele. Co. 3/2	
473944	2/3	Fed. Tele. Co. (T)	Request authority to furnish quotation to Barnsdall Cropn covering 20 KW transmitter.	W.
			To Fed (T) 2/6	
474145	2/3	mWestinghouse Lamp Co.	Subm information rel to mercury hydrogen oscillator which may be of service as radio transmitterfor certain classes of service.	W.
			To Westinghouse Lamp Co 2/7	
474163	2/3	Westinghouse Lamp Co.	Request laon of two standard transmitting tubes in conn with developement of 50 Watt tube.	W.
			To Westinghouse Lamp Co 2/7	
474158	12/8	De Forest Co.	Request data for constructions of radio testing set.	W
			To DeForest 2/6	
474320	1/23	Dr. L W Austin	Fwds notes on beat reception by Dr. Austin abd W. F. Grimes.	W

RECEIVING & SENDING: 1920

Number.	Date.	From or To—	Subject.	
470846	1-23	To S&A	Reqt shipment receiver from Wash to Newark N.J. W	
470849	1-23	To Ny	Radio spark gaps in store at the Ny Yd. W To S&A- Fwds copy of letter from void NY-1;28	
471265	1-23	To S&A	Reqt shipment receivers,amplifiers from Washington to Pug Sd. W; RB 11-1; W	
472055	12;18	H Pratt	Submits request for consideration in connection with special compensation covering special high speed transmission system developed.W	
472135	1;24	NY	Request instructions for use of wave receivers.W To ~~LW~~ NY 2/10 ~~NY 2/17~~ To Cdt Wash- reqst fwd booklets to NY 2/25	
472135	1;21	Inspr Fed	Fwds copy of Federal Telegraph Co report of test of ~~sigg~~ single wave signal system.W	
470489	1-24	To S&A	Radio Tel. Sale of. Fwds copy of letter from Mutual Ice Co, Erie Pa. for information.W Mutual Ice Co - Ask if have any extra wireless material on hand for sale. W.1/19	

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898 RECEIVING & SENDING: 1920

Number.	Date.	From or To—	Subject.
471276	1-24	To S&A	Reqt shipment amplifiers from Wash to Ny. W RB 2/27
472269	1;24	Res Lab	Submits report on condition of french radio apparatus received at laboratory.W cross to 916
472572	1-28	SanDiego	Request immediate shipment of 18 radio transmitters.
		To San Diego Pac Fl (T) 3/10 T	Pac.Air Detachment-(T) Request inform rel to shipt ofradio sets. 3/8
471885	1-27	To Cdt Washington	Radio telegraph design problem 29 class A design of long wave receiving equipment. W
		To Washn. 1/4/21	To Washn Gives inform 11-27
		Atl.Fleet- Comments on ejector. 2/18 W	To Comdt Washn 12/5
		To Atl Fleet 3-9	To Washn fwds outline of situation 12/22/20
		Atl.Fleet-Subm report rqsted.5/2 W	To Washn 12/31
		To Comdt Wash- Draw apprvd 10/18 W	To Atl Fleet 1/3/21
471874	1/28	To Cdt Washington	Fwdg vandykes of buzzer communication sets. W
473015	1;28	American R&R Corpn	Dr.Bush cannot attend tube conference Jan 30 are sending E.T.Wilson.W
472572	1/29	To Pacific Fleet (T)	Rel to shipments be made when available. non receipt weekly matrl report W
472344 see card 267			

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[OVER.]

RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.	
469982	1/17	Inspr Brook. T	Sperry gyroscope Shipt to Washington 1/16 / W.	
470082	1/15	Anacostia	Limitations barrage receivers- subm comments of Cdr. A. H. Taylor. To Radio Corpn 3/10/20 fwds copy report	W.
418460 8	FROM CARD 227		Washington 1/17- report of test.	
5068	1/15	To Commandant Washington	Rqsts information on investigation of missing amplifiers. WS	629

N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	
470000	1-20	To S&A	Reqt shipment transmitting sets from Brook to Newark.N.J. W Fleet Sup Base 1/26/21. W.	
470001	1-20	To S&A	Reqt shipment transmitting set from Phila to Wash. W	
470013	1-20	To S&A	Reqt shipment radio keys from Wash to Palo Alto. W RB 3/23	
470451	1-21	To S&A	Reqt shipment receivers etc from Wash to SE. W	
470455	1-21	To S&A	Reqt shipment receivers etc from Wash to M Is. W RB 2/17	
471368	1;21	C Speaker	Submits request for patent on navigation covering system of radio transmission.W	
470841	1-22	To Washington	Advance information regarding testing of vacuum tubes and vacuum tube equipment. W Washington 3/24	
471775	1;19 1;24	E O Boers Asks if Communications.W	navy can furnish second hand apparatus.W To E O Boers 1/30	

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[OVER.]

RECEIVING AND SENDING 1920

Number.	Date.	From or To—	Subject.
467792 5	1-9	To Wash	Design Problem 64 - Test of parts of radio apparatus for vacuum tube transmitters submitted by the GE Co. Fwds parts for test samples. W Washington- Subm report of test on ammeters subm by GE Co. 2/13 To Washn. reqst return 6-12-20 To GE are returning matrl 6-14
467793 5	1-9	To Wash see 896 also	Design Problem 66- Policy and Specifications for purchase of vacuum tubes. W Washn-report on test-1:20 Washn-fwds prints of amplifiers-1:26 To Comdt Washn- fwds for comments 4-26 Washn- Fwds report on which specifications for transmitting tubes are based. 5/22 W.
290		To Com t Washn. advise when spec be completed 7/9/20 To GE Co. fwds specfns. 8-5 To Radio Corpn. fwds spec,cnf 8/5 To Washn. rel policy and specfns for trans tubes 8-5	
467794	1-9	To Wash	Design Problem 67 - Test of loud speaking telephone magnavox Co. Type LS-2. W Washington- Report on test on loud speaking telephone subm by Magnavox Co. 5/3 W To Maganvox Co- fwds prnt 5/8 Magnavox Co.- Comments on. 5/17 W
467796	1-9	To European Forces (T) 771-2	Two radio sets received by shipping Board at Norf removed from Dutch vessels. Advise names of vessels from which removed. W Europ.Forces- Copy- All Dutch vessels have been returned to owners. 1/11 W. To Ship Bd 1/30
468462	1/10	Jno. R. Phillips Jr	Request information rel to apparatus offered by Navy for Sale. W. To S&A- Fwds letter as under Cog. 1-13
468482	1/9	E. J. Simon	Ask size of spark plugs manufactured by F. Lowenstein Co. W. To-lists material. 1-13 To S&A- Fwds Simon letter. 1-22 E. J. Simon Co. 1/17

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
468494	1/9	Shipping Board.	Request 15 copies of instructions for 2 KW arc transmitters. X 771- 2 To Yards. Reqts submit inventory of all apparatus installed on Shipping Board vessels after auth. W 1-24 To Shipping Board 3/3 Norf- Inventory of radio apparatus on Board SEPULGA. 5/13 W. Norf- Inventory on SALINAS. 5/13 W.	W.
468650	1/9	Shipping Board.	Fwds copy of instructions for 2 KW arc radio transmitters.	W.
468773	1-14	To Wash	Reqts prints of amplifiers. W To Washington asks when be fwded 1/30 Washington 2/3	
468772 TO CARD 268	1-15	To Westinghouse Elec Co To DeForest Co-1;22 To Western Elec Co. 1-24 To Westinghouse Co. 1-24 Western Elec Co-1;28 DeForrest Co-cannot sent representative due to sickness-1;28 American R/R Corpn 1/17 To GE (T) 2/9 To GE (T) 2/11 To Western El (T) 2/11	Arc transmitters. Standardization policy. Conference to be held Jan.30th. W To American Radio & Research Corpn. ditto.1-15 To DeForest Co ditto- 1-15 To Radio Corpn of America. ditto. 1-15 To Western Elec Co ditto. 1-15 American RR Corpn-reqt copy of proposed standardization policy-1;23 To Radio Corpn of America. 1-24 To DeForest Co. 1-24 To Cdt Wash 2/12	
468777	1-15	To Boston void.	Installation of radio telephone equipment at Boston and Newport. W	
468789	1-16	To Lowenstein Co Lowenstein Co-1;29	Reqts instruction booklets for 1/2 kw transmitter model "V". W	

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[OVER.]

RECEIVING & SENDING 1920

Number.	Date.	From or To—	Subject.	
466465	12/23 12/30	Annapolis Station Washington	Comments and recommendations on high speed key system designed by Pratt	W.
466420	12/30	Geo.S.Davis(Wireless Appr.Co.) (T)	Request loan or sale of transmitter.	W.
409066	FROM CARD 217		Mare Island- Ask if type SE 1499 switch is to be used in after radio room of destroyers; suggest authorize standardization of new pieces. 12/26 To Mare Island. Fwds prints. 1-10	W.
466800	1/1	T. Johnson Jr.	Subm report covering inspection of short wave receiving equipt inspected by E. H. Armstrong.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
467240	12/23 1/5 To S&A 2/6	Fed. T/T/Co. S&A	Ask if obsolete apparatus may be purchased by amateurs for experimental use. Fwd S&A. 1-9 S&A 1/27 Fwd S&A. 1-22 S&A-reqt action-1;31	W.
467272	12/20 Dept Agriculture- 2/17 W. Fwd S&A 2/24/1921 RB 6/15 W Dept Agriculture-3/14-Rqst action. W Fwd S&A cc Agr. Dept. 3/18/21 S&A-Copy of action to Bureau of Plant Industry. 3/31 W. S&A-Copy action to Washn. 4/4 W	Dept. of Agriculture	Request lend to Bur of plant industry amplifier for use of physiological investigation. A. To S&A- Reqt shipment amplifier-phones-batteries from Wash to Agr. Dept. 1-10 To Dept Agriculture 2-4-21 fwd S&A 6/17/21	
467257	1/2	CO O- 5	Request amplifier be repaired by Washington Yard and retd to vessel. To I.M. Ny- Auth installation of amplifier. copy to COO-5. NY-1:20 CO O-5--1;20	W
466824	1-6	To S&A	Reqt shipment radio head phones from Wash to Ord. Dept. W RB 1/20	
466825	1-6	To Bu Standards	Test of American Radio & Research Corporations' rejector. W	
467717	12/31 1/5	Resdt. Physician, Catawaba Sanatorium Communications.	Rqst suggestions in conn with installation of small radio set for local use. To Wash- Fwds above letter. 1-10 RB 2/10 To Catawba Sanatorium 2/11 Commonwealth of Virginia-Fwds order cov short wave receiver for Catawba Sanatorium. 2/17 To S&A- recommends sale of rec 2/21	W.
469181	1/14	Earl C Hanson & W. L. Carlson	Submits description of high power long wave high speed radio telegraph receiving system taken over and pending US patent application filed by them-W	896

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RECEIVING & SENDING: 1919

Number.	Date.	From or To—	Subject.	
463854	12-19	To Miller Reese Hutchison	High speed radio receiver. Glad to arrange for transmission of high speed signals from the Annapolis Radio Station. W	
464131	11/25 12/1	Wailupe Hawaii	Subm report on operation of tone traps. W. X 908	
465278	12/24	Lowenstein Co.	Request report of test on 1/2 KW quench spark gaps at N.W. To- Fwds report of test 1-9	W.
465194	12/24	Cavite Copy	Request early shipt of batteries be made for stock. Cavite- Request action- Copy 4/9 W. To Cavite. shipt made on Feb 9th 4-10	W.
465361	12/19	Bur.Stand.Research Labr.	Subm report of reception with continuous waves without local oscillations.	W.
465387	12/19	Mare Island	Request radio prints listed, be furnished. W. To MI 2/10	
465382	12/24	Phila.	Request vandyke of transmitting manufactured be Marconi Co. To -Fwds prints of instructions booklets 1-8	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
465526	12/26	Washington	Request Westinghouse E/M Co. furnish audio frequency transmitters and filoment rheostats to replace those defective for amplifiers. W.	
465076	12-27	To Wash	Eaton Arc Transmitter Key - Reqts make another test. copy to Bu Standards. W To Bu Standards. Reqts full report upon completion of experiments. copy to Wash. 1-23 Bur Standards Labr. Fwds report on test of Eaton Arc transmitter key. 2/26	
465991	12/29	Washington	Fwds prints and information rel to radio telegraph mercury arc transmitter subm by E. J. Pilkington, Electrical draftsman, Boston; request comments as to amount of award. Fwd Wash. 1-12 RB 2/11 To Cooper Hewitt Elec Co. 2/19 To Cooper Hewitt Co 4/1 Cooperhewitt Elec.Co. Subm comments requested 4/16 W. fwd Sec via Inven 5-1 RB 6/4 W	W
		To Cooper Hewitt Elec.Co.- Acknowledge receipt of letter 4/16. 4/28 To Secty Inventions- recs discontinuance of further investigation 7/6		
466109	12/30	Boston (T)	Request authority to draw vacuum tubes from store for Deer Island Comp Sta and Boston Radio Sta. To (T)- Tubes authorized. 12-31	W.
466420			To Wireless Specialty Co(T)-Not sufficient stock 2 KW transmitters to permit loan or sale. W	

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RECEIVING AND SENDING -1919-

Number.	Date.	From or To—	Subject.
462710	12/4 12/10	Bost S&A	Reqst authority to sell from stock 5 relay keys to E. J. Simon. Fwd S&A. 12-12
462479	12-12	To S&A	Reqt shipment receivers-vacuum detectors etc from Wash to Ad. Benson. W To- Gives amendments to shipt order. 1-6 To Ship Bd 10/11/20 Shipping Bd; 10-29; W
462518	12/9	Washington Yard.	Recommends modifications in drawing cov motor buzzer wheel. W.
463299	12/13	Radio Corp. of America	Subm quotation covering type "P" pliotrons. W. To- 12-18 Radio Corpn of America. 12/20
463463	12/15	Washington	Test of model BC motor buzzer transmitter- fwds report. W.
463681	12/13	Bur Stand. Research Labr.	Subm comments with suggestions covering German Barretter. W.

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
464093	12/13	Wireless Imprv.Co.	Fwds copy of letter from S. W. Beach, rqsting photograph of radio remote control relays and keys. W To- No objections to fwd'g photograph. 1-14
463164	12-18	To Comdt Wash	Wave Length Calibration to be issued on radio receiver dials. W
402680	12-18	SEE CARD 210	Fwd Comdt Wash. W RB 12/23 American R&R Corpn-1;27 To Bur Stds 2/9 Bu Standards-submits report of American Radio and Research Corpn modulator.3;15
463850	12-19	To European Forces (T) To. 201	Bureau informed indirectly British favor five hundred volts arc instead of alternator for radio transmission ascertain facts and reasons and cable reply. results our tests show alternator superior especially for pure wave high speed and telephony. W To(T)- Reqts early reply by despatch. 1-5 Europ. Forces- Copy - Gives reasons for use of arc rather than alternate. 1/9. European Forces-1;9 To GE 1/10 GE Co. 2/12

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
402680	frpm Card # 210		American R/R/Corpn- Subm criticisms. 12/2 To American Research Corpn-Reqts submit sample of modulator. 12-27	
461785	12/4 Wireless Imprvt Co.- Rqst arc be returned. 4/8 W. To Washn- reqst return 4-10 Washn-Arc transmitter will be retd to Wireless Improvt Co 4/13 W.	Wireless Imprvt Co.	Fwds description of 1/2 KW arc transmitter, wiring diagram and instructions covering operations W. To Cdt Washington 12/10 Washington- Fwds report of test on 1/2 KW arc transmitter subm by Wireless Imprvt.Co. 4/1 W To Wireless Improvement Co 4/2	
461749	12/5	American R/R/Corpn.	Fwds photos of 1/2 KW High voltage DC impact transmitter; request authority to submit for test. W. To- Reqts all details re transmitter. 12-15 American R/R/Corpn. 12/16	
461850	12/5 To Western Elec 3/3 Western Elec. Co.- Subm detailed comments in conn with filament. 3/27 W. Washington- Fwds quotation of propos specifications for vacuum transmitting tubes. 9/28 W.	Western Elec. Co.	Fwds 15 tubes rated as 50 Watt output, as approved by Bureau; calls attn to certain points of constructions of. W. To Western Elec-suggestions in re to above 2/19/20 Western Elec. Co.- Rqst detailed inform on 50 watt transmitter tubes. " 2/24 To Cdt Wash 3/2	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
461827	12/8	To Cdt Phila	Information reqstd by return mail as to how many trans sets are available for destroyers and new vessels bldg, at Phila. W Phila - 12/15 Phila. 12/17
461835	12/9	To S&A	Reqst shipmt from Washington to Schenectady radio appr. W
462124	12/9	To S&A	Reqst shipmt from Washington to Dept radio booth W
462306	12/8	Washington	Shielding of loading inductance coil of 2 KW radio transmitter; report covering. W.
462583	12/10	Phila	Elec. characteristics of receiving vacuum tube - fwds prints of - W
462586	11/11	Research Lab. Bu. Stand.	New type of sample recd of tube developed by Western Elec. Co - reqst Bu. secure samples of - W To- Bu endeavoring to obtain supply of small tubes. Will furnish when rec'd. 12-13
461829	12/10	To Washington	Design problem 60- class C test of 50 w tube sub by Western Elec Co. W
To Wash-Reqts	fwd report of test. 12-24		Wash - fwds report of test on 50 transmitting tubes submitted by Western Elec. Co- 3/18

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462518-

RECEIVING AND SENDING.

Number.	Date.	From or To—	Subject.	
459693	11/25	To S&A	Reqst shipmt from Brooklyn to Washington 50 vacuum tubes. W	
460271	11-27 To Cdt Wash 3/2	E H Armstrong	Calls attention to new radio receiving system adapted for use on waves of from 10 to 1000 meters. W To-Will attend demonstration of apparatus 1-8 To Wash yard. 1-9 Washington - Subm comments on 1/15 Washington; submits report of test of Armstrong short wave amplifying scheme; 2-25;	
460105	11/28	To S&A	Reqst shipmt from Washington to Observatory Washington radio appr. W	
460107	11/29	To S&A	Reqst shipmt from Washington to N.Y. City Radio Rec Station radio amplifier. W	
48152	11/12	To Washington, Circular	Are purchasing from Lowenstein Co. 250 relay key units; 60 to be shipt to Annapolis, and remaining to be shipt to Wash. where inspection and test will be made. Ship Govt bill lading. WS	629
460715	11/28	Jno Firth	Ask if Bureau is interested in Brown phones, similar to those supplied by Brown in London to English Navy. W To- One set of telephones already procurred. 12-16	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
460888	12/1	F. G. Mae	Request list of vessels flying American flag now in commission, equipt with Cutting & Washington 2 KW sets. W To- Can not furnish information reqted. 12-12	
461092	12/1	Washington (T) 896	Fwds request of G.W.Carpenter, for patent on methods of utilizing high voltage alternating currents for supply to pates of power vacuum tubes. W	
382189	11/28	Chasn.	Submits report showing number of transmitters unassigned and avail on 12-1.	771-2
461034	12/3	To Westinghouse Co	Fwds set of photostat prints of Fed Co drawg showing dimen of 2 kw radio arc trans appr. W	
461533	12/4	Washington	Instruction booklet for motor buzzer transmitter and standard battleship break system - fwds. W To Comdt Wash- Reqts furnish 30 sets of prints listed. 12-12	
461037 TO CARD 261	12/3 Key West- 12/13 Chasn. 12/13 New York 12/8 Norf- Report on batteries on hand. 12/18 Mare Island- 12/13- Battery rpt. To S&A- Reqt shipment batteries from Wash to Phila. 1-3 RB 2/6 To S&A- ditto to New Orl. 1-3 To Phila. 1-10	To Comdts IM's So's	Information reqst as to number of radio batteries type 3535 in stock and requirements for four months. W Key West - 12/9 Flt Supply Base - report of batteries in stock - 12/11 Bost - 12/12 New Orl- Status of batteries, on hand. 12/9 Phila. 12/13 Washington 12/15 Pearl Harbor 12/23	

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
458798	11/?	Bur Standards Labr.	Fwds copies of preliminary report, vacuum tube transmitting set, for radio telegraph. W	
458865	11/13 11/19	Sperry Co. Washington	Fwds table of resistances measured on moveable tickler coil. W. Wash 11-24 Sample vacuum tube submitted by Sperry Co does not agree to drawings. Washington 11-25	
453015	11/19	To Secty	Radio telegraph reinstalln of radio equipment on battleships of Atlantic Fleet, in accordance with New Force Tune System. Reqst extension of time stay of vessels, also expedite decision in this matter W cc to Atl Fleet	774
458368	11/18	To S&A	Reqst shipmt from Phila to NY City radio Magnavox trans set. W RB 12/1	
636		Property accounting Off. 9/19 W	To Interna l Radio Tel Co.- Reqst return to Phila for disposition by Bureau 8/21/20	
299		To Int Rad Tel Co Reqst reply to let 8/31 10-22	To Airc Fac Phila- reqst hold radio appr for disposition recd from Internatl Co 8/31/20 :RB 10-29;	
		Internat'l Devices Co; 10-25; W		
		To Phila. Ask if set recd 10-29 RB 11/5		
42141	11/17	To Director Nav. Com.	List of wave lengths provided for 2 KW arc radio transmitters, being furn for Shipt Bd. vessels. WS.	629
47899	11/20	Washington	Gives reasons why booth protecting relays manufactured by K&C Co. will fail; recommends Lownestein Co be required to include thest relays in motor buzzer relays. SW	629

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
457822	11/19	To S&A	Reqst shipmt from Washington to New Orleans radio receiver W RB 4/12. W.
458936	11/21	To S&A	Reqst shipmt from Washington to Phila 20 radio receivers. W
458946	11/22	To S&A	Reqst shipmt from Washington to Boston 3 radio recievers W Boston 12/18
459267	11/22	To Cdt Washington	Reqst fwd radio receiver instruction books W RB 12/1 RB 12/8 Fwd S.O. Wash Via Comdt. 12-12
459335	11/22	To Boston	(T) 11521 arc radio relay key SE five six five mfg N.Yd Wash DC cost 200 Bu will have one key ship to Boston W
459268	11/24	To S&A	Reqst shipmt from Washington to Boston radio arc relay key W RB 1/2
457084	12-12	To Boston	Relay keys being mfg'd at Boston. Advise as to the need of the keys. W To Cdt Boston 3/1

Number.	Date.	From or To—	Subject.
48215	11/7	Washington	Subm report of test of sample motor buzzer 629 transmitter subm by Lowenstein Co, SW
457501	11/11	Bur Standards Labr	Calls attn to new type receiving developed by Western Elec Co. Rqst samples be secured. W
457463	11/13	To S&A	Reqst shipmt from Washington to Ft Wayne 12 vac tube type SE 1444 W
457779	3 dec	467793-295	
457179	11/14	To S&A	Reqst shipmt from Phila to Washington One gas engine driven ra io trans set. W S&A-Request action 12/27 Fwd S&A. 1-8 RB 1/21 To-Reqt cancel order. 1-254
455620	11/8	To S&A 727-1	Trasnfer of vacuum tubes from U.S. Army to U.S. Navy. Reqst that same be made for 75,000 prior to Jan 1st 1920. W Dept 11-21 Copy of action to War Dept. S&A 12/17
457828	11/15	To S&A	Acknow receipt of amplifier mentioned in Govt bill lading 218, W
457816	11/15	To S&A	Reqt shipmt from Ancostia to Schenectady airc radio trans set compl ith dynameter W

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
458451	11/17	Washington	Type CD 1494 series antenna condenser have 2 KW arc radio transmitter; fwds prints with comment and recommendations. W.	
458452	11/17	Washington 45765-679	Condensers have back contact of Morse keys; suggests one microfarad paper condenser be added to. W.	
458404	11/3 11/13 Washington 5/4 W To Comdt Washn 1/6/21	CO MONTANA Navigation (63)	Fwds request of Ensign J.B. Dow for temporary duty at Naval Radio Labr. Bur Standards. W fwd Nav 12/6 coy Pac Fleet and MONTANA To Wash. comments reqstd 12/5 RB 12/16 To Cdt Washington 2/17 To MONTANA- suggestions sub to Wash for cons 2/20 Washington 2/26 To Washn- asks rel progress 4-27	
458281 2	11-15	Independent Wireless Telegraph Co.	Rqst be supplied with complete set of manfg drawings of Fed 2 KW arc. To Liberty Elec Corpn- fwds photostat prints of Fed Co drawing 11/18 Flt Sub Base-12;16	W
458013	11/17	To Fleet Base	(T) In re to amplifiers and batteries fwd Fleet Base for transshipmt. European Forces. Reqst expdt. W R B 11-29 Fleet Sup Base- 11/29	
457005	11/17	To S&A	Reqst shipmt from Washington to Naval Communications two vacuum tubes ~~11~~-W	

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
456817	11/7	Norfolk	Fwds request of Chief electrician N. G. Dowdell for investigation as to patent ability of new audion regenerative circuit; fwds sketch. W To- Cannot use 11/14	
456967	11/8	Phila	Request prints of K&C transmitters. W. To Phila- fwds instruc booklet 11/11	
413764	FROM CARD 236		CO POTOMAC 11-22- Rqst receiving set be renewed. To Charleston auth instaln 12/2 ccto POTOMAC Chas-Request another receiver be furnished for instln on POTOMAC.(T) 12/5 To S&A shipmt from Washinton to Chas 12/8 R[b] 7/15 W Guam-T-réqt auth to retain Cohen receiver- Phila-1-21 To Guam (T)-Retain Cohen receiver also 1-22 parts listed. 1-24 To Phila 1/26 cc to MAINE KENTUCKY and SO Ph Guam 2/2 Canc of ship order of 12/8/19 7/14/21 8132	

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
457084	11/8	Washington	Suggests inquiries be made at Boston Yard as to type of relay key which is being manuf. W
	Boston-Request copy of enclosure not recd with letter 2/10. 2/26.W Boston 3/20	To Cdt Boston 3/25	Boston 12/17 To- Advise as to the advisability of including the interlocking device. 1e21 Washington 2/3 To Cdt Boston 2/10
457178	11/12	To S&A	Reqst shipmt from Fleet Base to Mare Island one gas engine driven radio trans set W RB 12/15 Mare Island- Request drawings listed be fwded. 11/29 o M Is-Fwds I structi n books. 12-29
457181	11/12	To S&A	Reqst shipmt from Fleet Base to Boston one gas engine driven radio trnas sets. W R B 11-26
457182	11/12	To S&A	Reqst shipmt from Fleet Base to Great Lakes One gas engine driven radio trans set. W RB 3/25 NY - 12/11
457183	11/12	To S&A	Reqst shipmt from Boston to MI 6 radio trans sets. W To Boston 11/25 RB 12/6
457184	11/12	To S&A	Reqst shipmt from Boston to Norfolk 6 gas eng driven radio trans sets. W RB 12/18
457185	11/12	To S&A	Reqst shipmt from Boston to Pearl Harbor 6 radio trans sets/ W

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
454649	10;27	War Dept	Amplifier shipped to radio test shop from Camp Alfred Vail, reqst report cov. To Wash - test designated as design problem 55 andassigned class C as re urgency 11/3 Wash- Subm report of test of Signal Corps amplifier 2/25	W W
455039	10/28	To Phila	Desires standard plans be adhered to, rel to main radio room on destroyers and no charg units be installed in aux radio room for charg vac tube batteries. W	
455120	10;20 10;30	3rd Dist- NY	Reqst tem assignment of radio frequency amplifier.	W
455027	6/24	New Lond Exp Sta	Fwds extract from Royal Italian Navy Academy report on modern receiving system used in radio telegraph;.	652
454906	11;1	To Phila	Reqst number of transm sets in store at Phila Yrd. W Phila 11-28	
454907	11;1	To Norf	Reqst number of radio transm sets in store at Norf Yrd. Norf 11/11	W

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.
455755	10;27	R O Shelton	Submits comments relative to idea for increased efficiency of rotary gap radio transmitter outfit. Cross To Patent. To- not interested at present time 11/4
454910	11/3	To Boston	Bureau has assigned contract 36142 with Wireless App Co 11 trans sets to destroyers Reqst advise disp of 8 gen retained at Boston W
456253	11;6	Bu Stand	Submits scientific paper by J A Miller for census ship. W
456147	11/1	L C F Horle	Directive radio transmitter.
455625	11/5	To S&A	Washn-fwds prints of specns for test of vacuum tools-1;23 Reqst shipmt from Chicago to Washington vacuum tubes W To War Dept 2/14 Insp Chicago 11-21 War Dept- Ask if desire to purchase tubes. 1/7 Inspr Chic- (T)-Inspection should be made by Inspr Brook . W. 11/12 1/9---Inspr Chic- Defective tubes can be made perfect by replacing red wax with filler finally accepted Inspr Chic- Ask if shall make new contract for vacuum tubes. 11/13
454999	11/6	To S&A	To S&A canc Ship order 11/6 be amended 11/19 Reqst shipmt from N.L. to Phila Airc Facty radio trans set W New Lond-Sub Base-Lists material prepared for shipt. 12/3 To S&A shipmt from N.L. to Anacostia trans set 11/10 RB 1/5
5	Aircraft Factory - 3/3		To Airc Fac 3/8
456727	11;8	E C Hanson	Possibility using audio system for Transoceanic ~~system~~ wireless communication, submits comments. To Anacostia fwds photostats 2/24 Anacostia-Fwds drawing of circuit 2/25
455820 see 271			

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—		Subject.	
452456	10/20	To S&A		Rqst shipt of bakelite from New York to Washington, D. C. W. NY - 11;5	
452466	10;21 11/1/19 - 10/25	TO M I	Tel	No public bills received, wire date when same will be fwd. MI-Tel-Fwds public bills fo bulbs upon completion of test. 10;23 To Morehead Vac Tube Co. test complete atMI	W
453450	10;21	European Force		Copy 6513- No purchase of new rope nec.	
453224	10;21	Bu Stand		Reqst copy of minutes of meeting of Vacuum Tube Committee.	W
453258	10;17	Marconi Co		Asks if have any detectors or amplifier tubes for sale. To- will advise later action taken 10/25	W
453504	10/23	Bar Harbor	Tel	Sub report of test with tubes. W	903
453505	10/23	3rd Dist		Copy of report for test with vacuum transm tubes. Fire Isl- Copy 10/23 3rd Dist Copy 10/23.	903
453861	10;27	TO S&A		Reqst shipmt of medium wave radio receiver from Washington to Schenectady.	

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	
453777	10;23	Com	Copy of letter to 3rd Dist in con with tem assignment to compass station, radio frequency amplifier.	W
454343	10;27	Wash	Reports on development of oscillation control unit for extending range of reception of receivers. To - Auth mfg of oscillating control units. 1-3	W
454504	10;31	To Inspr Chicago	Inspec of tubes, reqst infor how many now remain in custody of Western Elec Co. Inspr Chic- Will forward inform rqsted. 11/7 Inspr Chic-Subm report of inspection. 11/10	W
454596	10;27	Bu Stand	Fwds report on characteristics of Morehead tubes.	W
454546	10;26	C F Jacobs	Asks if have any radio sets mfg by Wireless Spec App Co for sale.	W
455033	10;27	TO S&A	Reqst shipmt of battery charging panels from Washington to Philadelphia Yrd. RB 1/2	W
455034	10;27	TO S&A	Reqst shipmt of 5 battery charging panels from Washington to Pg Sd. RB 12/10	W
42141	11/1	Washington	Report of test covering 2 KW arc transmitters SW.	629

RECEIVING & SENDING: 1919

Number.	Date.	From or To—	Subject.	
449664	10;10	TO S&A	Reqst shipmt from Phila to Washington of 25 vacuum tubes. W	
450611	10;10	TO S&A	Reqst shipmt from Washington to M I of 10 battery charging panels. W RB 11/10	
451438	10;10 10;13	F E Fogarty S&A	Asks if Bu has any salvage wireless sets for disposition. To S&A-Returned. 10;31	W
451534	10;13 To Air Service 3/5 War Dept 3/30-Chart will be furn in few days W	War Dept	Fwds chart showing wave lengths of Navy sets. To - will fwd chart upon completion 10/16 War Dept-Reqst copy of chart. 11;6 To War Dept fwds chart 12/6 To War Dept 12/11 War Dept - 12/11	
451726	10;9	M I	Submits copy of thesis on Principals and Generation of elec tube for radio circuits.	W

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Number.	Date.	From or To—	Subject.	
451881	10;14	Detroit Inst of Tech.	Asks if Bu can furnish two kw sets for instruction purposes. TO S&A-Have no obj. for arranging for sale 1½kw transm set. 11;1	W
450606	10/15	To Cdt Washington	Quotes from letter recd by, from F.G. Keyes reqst for purchase of radio equipment. Asks what matrl available at Yd W RB 10;27 TO S&A-Quotes text of letter rec from Mr. Frank G. Keyes, 10;31 Washington, 11/12, Fwd S&A 11/18	
450986	10/15	To Crocker Wheeler Co	(T) Fwd complete set vandyke prints two KW arc motor generator type fourteen thirty eight. W	
450989	10/14	To S&A	Shipmt reqstd from Washington to Fleet Base, 10 two step amplifiers. W R B 11-22	
452109	10;15	Naval Observatory	Reqst new supply of audion bulbs for radio set be furnished, fwds burned out bulbs. TO S&A-Reqst shipmt of radio vacuum tubes from Washington to Naval Observatory, Wash. 10;27	W

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[OVER.]

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RECEIVING AND SENDING

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Number.	Date.	From or To—	Subject.
445648	9/27	To 9th Dist	Re shipment of 1/2 kw radio transmitting sets to Great Lakes- W
448399	9;29	Wash	Instruc booklet for radio receiver fwd to BU. W
448937	10;1	War Dept	Amplifier under construc at Camp Alfred Vail will be turned over to Bu, reqst be adv when received. W fwd Cdt, Washington 10/6 RB 11;3
448042	10/2	To S&A	Shipmt reqstd from Washington to Mare Is 25 vacuum tube detectors, 10 radio recivers W RB 10;28
448872 672	10/3	To S&A	Reqst shipmt from Phila to College Park Md., radio transmitting set. W RB 10;9 To PO Dept- reqst return of loan. 8/30/20 Post Off Dept-Continuation of loan desired.9/7 W To PO Dept- 1-17-21
448874	10/3	To S&A	Reqst shipmt from Phila to College Park Md., two vacuum tubes. W RB 10;9
439235	8/15	To Phila	Asks info what purpose gaps are intended and upon what data the number being mfg was computed. W Phila 10/3. 876

TO CARD 318

Post Off Dept- 1/20 W.
Rqst ship.instruc. covering spark set loaned to Boston Post Office Dept W
To SO Phila Gives instrns cc Phila 4/22
To Post Gen Gives shipping instrns 4/22

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[OVER.]

Number.	Date.	From or To—	Subject.
449784	10;-7	Paul A Newman	Reqst auth to use photos, drawings etc. in a thesis on Wireless Spark Transm. W Lowenstien Co-Reqst action. 10:24 To P.A. Newman- permission granted provided marked courtesy of Dept 10/29
450606	10;8	F G Keys	Asks if Bu has secondhand receiving set for sale. W
450559	9;22	Dept of Interior (Alaskan Engr Com)	Reqst data for estimating purposes cov radio equip listed, are considering the replacement of present instal. W To- Fwd booklet 10/16
449007	10;8	TO S&A	Reqst shipmt from N Y to Phila all tools, fixtures etc in con with Navy Ordier with Marconi Co. W To Inspr Brooklyne Info reqst status of ship 11/15 Inspr Brooklyn- Material packt and checkt.11/18
449663	10;10	TO S&A	Reqst shipmt from Anacostia to Washington of 12 vactum tubes. W

N.S.E. Form 134.

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
445636	9/16	To S & A	Request shipment from Washington to New York one radio receiver and one vacuum tube detector. W
445644	9/16	To S & A	Reqst shipmt from Portsmouth to Great Lakes radio transmitting sets W
445645	9/16	To S & A	Reqst shipmt from Norfolk to Great Lakes radio transmittings ets W
446383	9/20	To S&A	Reqst shipmt from Washington to Radio Divn Wash one loading inductanceand one loading coil. W
446386	9/20	To Mare Is Inspr Fed	(T) Dub Cond Co advises condensers for two Kilowatt arc sets contract 42141 would be shipt within ten days after appv of sample etc., W cc to Fed Co. ~~Porto Rico T States test resumed. W 9-24~~ Inspr Fed-Have wired Wash office for antenna cond. 9;24
446399	9/23	To S&A	Reqst shipt from Washington to Ft Wayne Ind radio app for use by GE Co. W
446818	9/23	To S&A	Reqst shipt from Anacostia to Washington Yd radio vac tubes W TO S&A-Reqst ship mt from Anacostia to Wash be corrected· 10;11

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[OVER.]

Number.	Date.	From or To—	Subject.	
447326	9;24	Boston Tel	Lists Hammond interfleet sets completed and reports fwd to Bu. W	
45765	9/19	Adams Morgan Co.	Impossible to bend mica for Morse Rdy in manner called for by specifications. S	629
35316	9/23	S&A	Vacuum tube costs at Hawthorne, N.Y. Plant- gives result of conference between Inspr and representative and Co. Compares cost with cost to Army. WS	629
447828	?	Boston	Fwds correspondence in con with proposed re location of Appledore Isl Comp Sta. Cross to 919 - I	
447946	9;11 9;25	13th Dist Com	Reports on research experimen s conducted at University of Washington. Cross to 903	
448216	9;26	S&A	Asks if Bu can recommend small radio set for sale to L K Brown. W TO Wash-Fwd 10;11 RB 10;27 To S&A- set in store yard Ex NY contract 25850 Nesco for sale Mr B. 10/29	
443084	9/27	To Great Lakes	Re shipmt of apparatus to replace defec receiver W	

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Number.	Date.	From or To—	Subject.	
422765	9/4	To S&A	Req ship from Washington to Detroit one radio receiver. W Inspr Ford. 3/29 W. fwd S&A 4/3 RB 4/29 W S&A 4/16 W. Fwd S&A 4/27 fwd S&A 5/8	
442173	9/4	To Comdt Wash Yd	In conn with radio research problem No 29 req reps of Bureau be permitted to use 5 kw installn at Radio Test Shop W Wash Yd 9-15 Rqst for 5 KW spark equipment.	
443684	9/5	To Comdt Great Lakes	Req defective receiver shipt to Great Lakes under order 436 of 8/1 be returned to Wash. W To S&A req ship from Wash to Great Lakes radio receiver 9/8 RB 11;5 9th Dist-Reqst expedite shipmt of receivers. 10;14 To GL- ship made 10/24/19 lading 6476- 10/29	
443993	9-4	Annapolis Gro-1	Fwds anode tips cut in half as rqstd by Expert Radio Aide Pratt.	W
444274	9/9	To Washington	Req copies of instruction booklets be fwd IM NY for radio apparatus. W	
444865	9-10	Wash. Yd.	Fwds instruction booklet for motor buzzer transmitters.	W
444981	10;13	To New Orl	Reqst shipmt of radio material listed.	W

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N.S.E. Form 134.
RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
444977	9/12	To S&A	Req ship from New Orleans to puget Sound radio trans sets W RB 11/20 New Orleans 9-27;	
444978	9/12	To S&A	Req shipmt from Charleston to Mare Island radio trans sets W RB 10;28	
444983	9/12	To S&A	Req ship from New Orleans to Wash radio receivers W Pug.Sd.- Material received 10/29	
444982	9/12	To S&A	R q ship from N O to Mare Island radio receivers W RB 11/17 N O-Fwds change in materiad sheet. 10;8 N ew Orl 10;18 To S&A canc of ship order 10/24	
444989	9-13	To Inspr Ford (T)	Advise if vacuum tubes listed as in excess of requirements. If so willbe shipped to Western Elec Co for emergency shipment. W Inspr Ford 9-15 (T) Vac tubes shipt N Y 3/31 No excess tubes on hand. W	
445239	9/15	To Norfolk (T)	Instructions covering shipmt ten two KW radio transmitters to Norfolk from Fleet Supply Base cancelled period Ten two KW transmitters will be supplied from Charleston W	
445642	9/16	To E. Stalinger, Department of Poland	Fwds French paper covering high frequency alternators which left at Dept. W	
445633	9;24	Phila copy	Tel conv. regarding painting of towers at Tuckerton. W	

[OVER.]

N.S.E. Form 134.

RECEIVING AND SENDING.

Number.	Date.	From or To—	Subject.	
440213	8-26	To S&A	Rqst shpmt from Wash Yd to General Engr. Lab, 24 Vacuum tubes-	W
441410	8-27	To Anacostia	Fwdg 1 copy of "Report on Vacuum Tube Conference of 6/20/19" and 1 of July 22nd.	W
	8;28	To Fed Co	Fwds drawings for designing wave changer. 732	W
443109	8;30	Bu Stand	Sub spec radio report on on audion frequency circuit for coupling output of detector to input of amplifier. W	
443172	8-12	NOTS	Submits recommendations covg change in radio arc key. To Gunner O Peterson- commends expr 9/8 To Codr Naval Forces Eastern Med- approval of substitution on PITTSBURG 9/8	W
443260	9-2	E. J. Simon	Send-receive switch and key- Fwds print. To- acknow receipt of dr 9/6	W

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
440813	8/28	To Bureau Standards Director,	Req material listed used in conn with test 24888 final report on which test sub on 8/5 be returned to Radio Lab Bureau Standards	
416421	FROM CARD 225		To Annapolis—Req fwd duplicate copy to be furnished War Dept 9/2 Annapolis 9-4 Submits report on special tests. War Dept 9-4 States copy of log has not been recd To War Dept- will fwd upon completion 9/10 To War Dept- fwd copies of log entries 9/16 Chief Signal Officer 9-19 Loop radio phone development- Submits report. (cross 902 and 875)	
442366	9/2	To Secretary War	Reqst one radio audio frequency amplifer Signal Corps No BC 59 be loaned Dept for test Radio Shop W	
443717	9-4	Bur of Standards	Vacuum tube amplifier- Suggestions for rating.	W
443084 see card 249				
443716	9-3	Lowenstein Co.	Calls attention to a new and novel feature to arc type transmitter. To Lowenstein Co- acknow rec of letr of 3rd 9/12 To- 1-20	W

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Number.	Date.	From or To—	Subject.	
440225	8/20	To S&A	Req ship from Brook to Wash Bu Standards vacuum tubes W Inspr Brook-Asks if defective tubes shall apply on shipmt ord. 8;26 Inspr Brook 9-8 Only 18 tubes were packed for Washington Yd, only 18 shipped. To S&A amend SO 8/20 9/22 Shipmt Ord of 9;22 RB 10;10	
441192	8;21	Bu Stand	Fwds report on power tube. W To Ordnance - fwds copies of reports 10/4	
441186	8;21	Bu Stand	Fwds report on use of vacuum tube as gen. W	
441172	8;21	Norf	Reqst Wash Yrd be furn 12 complete sets of spare amplifier transf windings W TO S&A-Reqst shipmt from Wash to Norf of 12 radio amplifiers transf. 8;28 RB 12/10	
440 226	8/21	To S&A De Forest Co. 2/3	Reqst shipmt from Fleet Base to N.Y. City DeForest Co- radio appr. W To IM NY- req info re action taken 10/6 cc to DeForest Co NY-Switchboards deliv to DeForest Co. 10;10 To DeForrest Co- 1-7 DeForest Co.- will return equipt to N.Y. if so desired. 1/8 To DeForest 1/26	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
441485	8;5 8;23	Naval Attache-Paris Com 652	Fwds copy of let from Lt D Bellescize rel to wireless rec app, especially intended for trials in U. S. W
441410	8;26	To Wash	Report on vacuum tube conference. W 6;20 To Wash-Reports on vacuum tube conf. 8;26 To DeForest Radio Co-Fwds report of vacuum tube conference held 6;20 and 22nd. 8;26 To GE Co-Fwds report of vacuum tube conf held 6;20 8;26 To Bu Stand-Reports of vacuum tube conference held 6;20 8;26 To Western Elec Co-Fwds report of Vacuum Tube Conference held 6;20 8;26
441425	8;27	TO S&A	Reqst shipmt from Boston be returned to Dubl Cond Co. 8;28
441976	9;26	Anacostia Radio Lab	Comments on amplifiers which include detector bulbs. W To Bureau Standards- fwds for comments suggestion made by Rad Lab and Wash Yd 9/2
442366	8;27	Washington	Reqst Sig Corps sub amplifiers to Lab for test. W

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
438698	8/13	To S&A	Req shipmt from Washington to Mare Island radio receiver W R B 12/12
439222	8/13	To S&A	Req shipmt from Washington Bu Std to SO Washington Yard radio receiver W
439223	8/13	To S&A	Req shipmt from Wash to Lab Bu Stds Wash one radio receiver W RB 11/14
439526	8/15	To Bu Standards	Req report condition of tubes loaned to International Radio Tel Co W
439567	8;12	Wash Test Shop	Sub report of radio material turned over to ship section. W
439670	8;5	European Force	Copy 4468-Lt D E Bellescize unable to do anything in con with rec. Cross to 652

N.S.E. Form 134.
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Number.	Date.	From or To—	Subject.
439833	8;11 8;14	P E Lehde Com	5 kw station of spark type, asks if Bu can furnish app for instal in Latin American country. W To- no excess supply of sets available 8/20
439542	8/16	To NY	Confirm phone conversation reg steps be taken to obtain and ship to Wash Radio Test Shop one set of receiver copper lugs as shown on drawing W
440015	8;15	Washington 914	Instructions cov radio compass for stand navy spark transm. W
440178	8;14	Bu Stand	Sub special radio report on study of arc and sparc transm reception. W
440700	8;19 SEE CONTRACT 42141.	Fed Tel Co	Fwds prints showing outline of auxiliary hand key and Morse key. W

RECEIVING & SENDING: RADIO

Number.	Date.	From or To—	Subject.	
437028	7;31 8;2	International Mercantile Marine Co. Com	Reqst infor re suitable and efficiency type of radio equip for instal on passenger vessels. W	
437357	7;30	War Dept	Fwds pamphlet on Two Way T P S set.	W
436579	8/4	To S&A	Reqst shipmt from Washington to Mare Is. one radio arc transmitting set. W	
437914	8;1	MI	Reqst technical report liste be furnished.	W
48057	8/7	Wireless Imprvt Co	Ask when revised drawings of motor buzzer transmitters will be fwded. W.	629

RECEIVING AND SENDING: RADIO

Number.	Date.	From or To—	Subject.
437220	8/7	To Fleets and Europ Forces	Reqst bring to attention of CO's that form NSE 25 B when sub show every piece of radio material on board with full description, includ plate data. cross to 876 and 914- RB from Pacific Fleet 8;19 European Force 8-29 Fwds copy of circular letter #A-6.
437660	8/5	NY	Reqst disposition of receiving sets listed 8-4 at Guantanamo.
438797	8/7	Boston	Radio reveiver and storage battery removed 5-0-6 from shipped to Washington W
437614	8/9	To S&A	Req ship from Fleet Base to Newark N.J. Two Weston voltmeters W West Elec Co-Returns ship order 8;18
437931	8/9	To Kimble Glass Co.	Req fwd bill in duplicate for our order 408839-898 of 6/11/19 covering one pound 1/4 inch amber glass tubing W
438685	8/11	To Cdt Washington	Req fwd one dozen copies of instrnc booklet for type SE 1420 radio receivers W
436346	8/12	To Western Elec Co	Fwds drawing showing proposed contact pin arrangement of vacuum tube which devel wprk being done. Asks if arrangement satisfactory for mfg purposes W
438697	8/12	To Cdt Wash	Rel to vacuum tubes sub for test by DeForest Co. W Washington 11/8-Test will be held up. To Cdt Wash- reqst report of test 3/4/20 Washington-Subm report on test of vacuum transmitting tube subm by De Forest Co. 3/30 W.
		To DeForest Co. fwds enclosures rel tests 4/3	

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RECEIVING AND SENDING : RADIO

Number.	Date.	From or To—	Subject.
435645	7/29 To Cdt Phila 11/25	To IM, N.Y.	Reqst check receiving equipment on board PENNSYLVANIA and ARIZONA so that duplication of parts will not be made in new standard Battleship receiving equipment W To Norf- ditto OKLAHOMA 7/29 To Puget Sound ditto WYOM ARK NY and TEX 7/29 To Ph ditto NEVADA 7/29 To Boston ditto UTAH FLA DELA and N DAKOTA 7/29 ~~C&R 8;4~~ Phila-Sub inventory 8;2 Norf-lists radio material available on brd OKLAHOMA 8;7 To Wash- req eliminate from ship order of batteries 8/16 cc to Phila and CO NEVADA To S&A req ship from Wash to Ph radio tele material for installn NEVADA 8/18 RB 9/23/20 W. To Wash-Regarding rec equip for Nevada, 8;23 To West Elec Co-Gives dimensions asked, 8;23 Pg Sd-Lists rec equip on brd vessels listed. 10;10
435661	7/30	To S&A	Reqst shipmt from Fleet Base to Yard Wash radio quenched spark gap. W
435804	7/30	Fwd Intelligence 746	No objection to publication by Lt. Kitchen translation of French Treatise on Three Electrode Vacuum Tubes and their Use W To SE- H. W. Kitchin Lt. req permission to publish treatise. 7/29
436346	7;30	West Elec Co	Allowance to be made for defection and partially completed vacuum tubes, gives policy Company will pursue. W West Elec Co 10;25

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Number.	Date.	From or To—	Subject.	
436404	7;23	Transpacific Circuit	Fwds copy of instruc for operating radio arc transm. W	
436434 (Old Number)	8;20	Alien Property Custodian		
435400	7;30	1st Dist	Crystal detector for use on spark set during time of practice, or when heavy firing aboard ship, recs cov. W	
			of the device to service use- 8/27	
			To Otter Clifs- commends interest taken in devel of appr 8/5 fwd Comdt Wash 8/5 RB 8;13	
			To E L Adams- Sketches of shock proof detector have been examined to determine suitability	
434724	7/31	To S&A	Reqst ship from Washington to Norfolk radio receiver and amplifier W	
			To P&A ship from Norf to Wash 2/9	
434726	7/31	To S&A	Req shipmt from Wash to Ph radio receiver and amplifier W RB 9/23/20 W/	
			To S&A shipmt from Ph to Wash 2/9	
436994	8;1	Marine Engr Co	Reqst infor relative to comparative suitability of arc and spark radio tel app for genl marine use. W	

1919

RECEIVING AND SENDING: RADIO

Number.	Date.	From or To—	Subject.	
434066	7/23	To S&A	Reqst shipt from Washington to Phila three radio motor buzzer sets. W RB 9/23/20 D.	
42141	7/17 7/21	Fed. Tel. Co. S&A	Submits Co's interpretation of specfn covg arc radio transmitters. SW.	629
43945	7/17	Lowenstein Co.	Fwds instructions with negatives covering 100 radio sets. S&W	629
435033	7;23	DeForest Co	Recs use of 2 kw spark set for use with Howard tube and rectifier in place of spark gap, reqst set be loaned to Co. W To- equipment being shipt 8/13	
435323	7;25	Post Office Dept	Reqst infor including photos, spec etc. on Navy rec set. W fwd Washn 7/29 RB 8;7 with booklet. To Wash-Fwd 8;23	

[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
434728	7/25	To S&A	Req ship from Norfolk to Washn one radio relay key W	
435248	7/11	To NY	Assignment of 2 kw 120 volt radio transmitting sets purc on contract 40339 with K& C. W To NY- assign of three s ts to TENN ARIZONA and PENNSYLVANIA 7/25 New York- Rel to radio stg battery for TENNESSEE. 12/1 X TENN 6. To - Assigns batteris from stock for installation on the TENNESSEE. 12-27	
r 435449	7;25	West Elec Co Tel	Folk out of town, cannot give final word regarding tube motor ~~tel~~ until 27th. W	
435143	7/26	To S&A	Req shipmt be made from Washington to SE radio receiver and audion control box W	
435153	10;22	Westinghouse E & M Co	Asks if will grant license for more than 4 kw capacity. To Westinghouse E & M CO- Not prepared to grant license 10;31	W

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.
433399	7;15	Bu Stand	Have no experience in use of fuse silicate in con with vacuum tubes.
433789	7;14	Lt H W Kitchin F.B.	Report on device devel by Grench Gov in sup voltage to the plate circuit of transm vacuum tube from the direct current sup of the filiments. W
433970	7;18	G E Co	Fwds memo concerning adv of continuance wave tranm set over mod form of spark set. W
434137	7;7	Pearl Harbor	Relay operating main key high power station, fwds photos. W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
434191	7;21	Inspt GE Tel	Complete delivery of radio transm app to N L base will be made by special messenger in two or three days. W
434203	7;21	Ph Tel	Reqst booklet and diagrams of Marconi 2 kw transm. W To Phila- fwds copy of instruc booklet 7/24
434286	7;19	S&A	Fwds card from Cost Inspr Western Elec Co showing protection of vacuum tube at West Elec Co, asks if portion of defectives were due to negligence on part of cont. W
433724	7/21	To Bureau Standards	Reqst that box plate vacuum tube delivered to Radio Lab by rep of Bu be tested W Bu Stand-Sub report of test of box plate vacuum tube. W 8;2
434395 TO CARD 276	7/23 MI (T)-No motor buzzer set in stock. 4/1. W. To Cdt MI- reqst canc of shipt order of 3/19 4/5	To S&A	Reqst shipmt from Washinton to Mare Island radio apparatus for stock W RB 10;22 Shipt order from Mare Island to NN buzzer set. for MARYLAND 3/19/20 Cancelled (Authority Radio Expert Floyd).
434396	7/23	To S&A	Req ship from South Brook to Mare Island radio apparatus W To Fleet Base- req status of shipment 9/20 Fleet Sup Base- Reports on shipmt. 9;23

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[OVER.]

Number.	Date.	From or To—	Subject.	
42141	6/19	Wash. Yd.	Subm report on test of sample 2 Kw arc sets made by Fed. Tele Co.	629
430501	7/9	To Puget Sound	Tel: Twenty short wave receivers type SE one four three expressed Puget Sound from June twentysixth lading two three six six six W	Norf
431960	6;23	Navy Purchase Ord Paris	Fwds copy of deliv notice from French Gov cov radio app paid for, reqst public bill be signed and returned.	W
431660	7;14	C&R	Fwds correspondence. To Purchasing Officer, Paris- Returns orig of Public Bill 370 7/18	
432086	7;11	Ward Leonard Co	Order from Wireless Imp Co cov resistance cov motor buzzer sets, asks ampere rating desired. Fwd Comdt Wash. 7-15 Washington 10/31	W
431843	7/15	To J.H.Bunnell	Reqst info if Co can furnish sixty Wheatstone British Post Office type Polar Relays W To J H Bunnell & Co- Desires state preparing plans for number of control panels 7/24 F H Lovell-Sub quotations- Bunnell ?	7;18

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RECEIVING AND SENDING

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Number.	Date.	From or To—	Subject.	
432262	7/15	To Bureau Standards	Conference on vacuum tubes and vacuum tube apparatus will be held 7/22/19. Reqst send representative of Arc Radio Lab. W To Comdt Washn Ditto 7/15 To Marconi Co di tto 7/15 To DeForest ditto 7/15 To Western Elec dito 7/15 To GE ditto 7/15 To War Dept ditto 7/15 To Radio Lab Bu Std ditto 7/15	
432644	7/15	To Comdt Washington	Fwds copy of "Methods of Signalling employed by British Naval Service. W	
432537	7;7 7;14	Cost Inspr West Elec Co S&A	Special equip for mfg of vacuum tubes sub summarized statement of cost.	W
432647	7-16	To Comdt Wash	Tests on 2 KW Federal Arc Sets. Reqts prints. W Wash-Fwds copy of test on 2 kw arc set. W 8;9	
431389	7-16	To CO Brunswick Station Georgia To S&A req ship from Brunswick to Chasn trans set and radio rec radio telephone 7/24 R B 9-15	Radio apparatus for store at Norf. Lists material availabel. Reqts give full name plat data on each of items listed. W Brunswick 7;19	

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[OVER.]

RECEIVING AND SENDING 1919

Number.	Date.	From or To—	Subject.
429960	7/5	To GE Co	Auth supply Mr J H Rogers, with appr. W
429943	7/3	To Comdt Phila	Asks fwd report covering test of CD-1448 protective devices. W Phila-Fwds report cov protective device. 7;22 Ph-Fwds copy of report of test of protective device 7;23
430392	7/7	To Western Elec Co.	Assigns type number CW-1586 to vacuum tubes of power being developed and tested by Dr. Wilson. W
430732	6;30 7;5	Brit War Mission S&A F. B.	Reqst infor concerning order for 10 transm sets. W Fwd S&A. 7-16 To Inspr Chicago- one set fwd to Bu as sample has been accepted and made to apply on order 7/17 Inspr Chicago-Fwds copy of report. 7;18
429664	7/8	To Fed Tel Co	Acknowledges receipt of six film negatives 5 kw radio arc W
431065	6;18	European Force F. B.	Fwds bill of lading cov shipmt of two radio tel sets purchased from French. Gov and fwd to U. S.

Number.	Date.	From or To—	Subject.	
431481	7;3	Sig Corps	Fwds instruc pamphlet, parts listed and drawings of radio set.	W
430357	7/9	To Westinghouse Co	Advises that any time representative of Co in Wash will be glad to confer with him re methods for solution, vacuum tube problems. W	
430370	7/9	To BLACK HAWK FLAGSHIP	Reqst destroy burned out tubes in presence off officer. W	
431092	7/9	To S&A	Req ship from Washn to H Rds radio receiver for Opr Base H Rds. W R B 9-11	
431097	7/9	To IM's Comdts	Fwds instructions for operatin radio arc trans. W	
431390	7/9	Atl Flt Copy	Recommends as much of radio installation be made on battleships Atl Flt pending Navy Yd period- redommends battleship receiving booths and motor buzzers trans-mitters- W	493

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
429726	7;1	Bu Stand	Will fwd report #3 cov Bibliography of vacuum tube report #11 and 12, fwd to Sig Corps.	W
429820	6;30	Deforest Co	Sub report on test with Oscillion transm and 500 cycle AC sup. W To- acknow rec of 6/30 asks sub sample Deforest Co- 7;11 To Was - fwds sample for test and recs 9/6 To Wash- req samples be tested 10/6	8/9
428994	8/30	To S&A	Reqst shipt from Washington to Schenectady two airc radio receivers, W	
429385	7/1	To Washington	Reqst 5 kw trans be tested with view of observing temperature rise in rod when trans is available for investigation, W Washington 10;30	
429380	7/1	To S&A	Reqst shipt from Washington to Mare Island radio recielvers W RB 12/2	

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[OVER.]

Number.	Date.	From or To—	Subject.	
430049	6;30	War Dept	Reqst that Sig Corps be furnished with three receivers. W To S&A- fwds threeenc under cog of S&A 7/12	
430357	7;3	Westinghouse Lamp Wrks	Reqst invitation to attend future conferences on vacuum tube app.	W
430334	6;25	Westinghouse Lamp Wrks	Reqst copy of drawings of sockets used on transm tubes. To Westinghouse Co- suggest write Signal Corps for info reqst 7/10 Westinghouse Lamp Co- 7;26	W
430307	6;14	Atl Mine Force	Reqst that instruc be issued cov disposition of audion tools.	W
429952	7/5	To Connecticut Tel & Elec Co.	Asks if can sub samples of tube invented by Mr. Donle, for test radio lab. W Conn Tel & Elec Co- 7;10	
429959	7/5	To Washington	Fwds copy of spec report from Phila yd. W trans mfg by Sperry Gyro Co	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
428734	6;25	GE Co	Devel of improved rec tube, reqst Bu furnish wiring diagram of rec, amplifier and cont box. fwd Washn 7/3	W
428053	6/26	To Firms	Asks comments covering development of vacuum tube app for radio communication, believes field should be kep open to competition. W DeForest Co-Makes exception of test over Co invention and idea to impetitive firms. W 6;30 West Elec Co 7;8 To GE- asks reply to letr of 6/25 7/21 Genl Elec Co- Sill	
428064	6/26	To Signal Corps E R Cram Radio Engr. C/o Marconi Co.	Fwds copy of specfns for 10 kw radio trans W	
42141	6/25	To SEA	Transmitter ship type, will be accep-ble after modifications listed have been incorporated. Rqst Fed Co. be permitted with manuf and be author to purcahse material nec. W-S.	629
429053	6;27	Wireless Imp Co	Reqst latest mfg instruc and drawings for 5 kw transm be furnished. To Wireless Imp Co- sug reqst thru Postoffice Purchase Dept 7/3	W
429271	6;28	Charleston	Reqst instruc as to disposition of audion bulbs, broken or burned out in use. To Chasn- reqs tubes be destroyed in presence of officer as scrap 7/9	W

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Number.	Date.	From or To—	Subject.	
429337	6;28	American RR Corp To American RR Co-Informs that detector cannot be used at present 10;14	Fwds sample of detector also photoes of same. W To American RR Corp-No record of rec detector. 8;28 American RR Corp-States detector was left in office of Chief clerk of Bu. W 8;29 fwd Wash 9/6 Wash-Sub report of test of crystal detector. 10;9	
427655	6/28	To NY	Reqst info if material listed recd. W NY 6;12	
428995	6/30	To Fed Tel Co	Fwds specfns W	
429000	6/30	To Comdt Washn	Fwds copies of drawing. W	
42141	6/26	To Wash.	Rqsts tests be made to determine the note and radiation of transmitters. W.	629
429492	6;28	Sig Corps	Fwds copy of letter from Cap Vail sub Committee with prints and vacuum tube.	W
428660	10;2	GE Co	Asks if sat to sell amplifier to Mr. Rodgers. W To- satisfactory to sell same 10/9,	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
426801	6-21	To Phila	Tel: For District Radio Materdal Officer two kw radio trans set for Cape May expressed from Fleet Base June 18th lading two four eight seven period gas eng unit will be shipt later W	
45920	6/23	N.Y.	Recommendations for changes in model L emergency transmitters. S&W	629
45919	6/20	Boston	Subm data on Model L emergency transmitters manuf by American R/R Corpn. N. S&W	629
406150		FROM CARD 213 To Wash-	Regst test be made of gap and std Navy report sub covering 6/24 To Norf cc to Washn sep corres- upon compl of test Norf wil advise results 6/25 Washington- Test of 5 kW quenched gap design for Norf Yard- Report covering. 12/15 To I.M. Norf. 1-19 Norf-1:28 To Cdt Wash 2/6 Washington 3/10	
427388	6/24	To American Gas Accum Co	Confirms del of copy of specfns W	
427389	6/24	To Western Elec Co	Confirms del to rep two copies of drawing W To GE ditto 6/24	

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
427665	6/24	To Comdt Washington 911	Reqst obtain info covering insulators, tests of fwdg to Bureau, as is endeavoring to obtain more suitable type of insul for operating in in conn w arc trans. W Washington 10:23 To Wash- reqst report 10/28 Wash 11-24 Submits recommendations. To OHIO- reqst info rel arc trans potentials for insulator design. Assigns problem No 6 class A 12/9 copy Lt Eaton,	
428202	6;11	Radio Lamp Corp (E Myers)	"U" transm tubes, reqst spec cov To- gives info reqstd fwd spec 6/30	W
413764 TO CARD #254		From Card 234 To S&A req canc of So of 6/5/19 be canc 8/4 CO NERO-Reqst vessel be furn with latest type of receiver. 8:5 To Chas- auth installn NERO 8/12 cc to Nero To USS New Orleans-Rec will be shipped as reqst. 8:22 Tel New Orleans- 8:29 Tel USS-N. O. Tel-Reqst bushing fr 70 Cross to N. O.-6 9;2 To NO fwd books 9/3 To Boston- disapprove req for instal new trans on WINSLOW 9/10 Minnesota 9-15 CO HELENA - 9:14 To S&A ship from MI to HELENA, radio app for install on 10/2 To HELENA 10/6 Guam-Reqst auth to ship radio app on Hand to M. I. 10:22 To Guam-Gives list of shipmts auth. 10:27 To MI, 11/6	US TRAIN 6;23-Report of KANAWHA To S&A req ship from Wash to WYOMING radio appr for 6/26 To Phila- auth installn CASSIN 6/26 cc to Wash Phila CO CO SHAW-6:26 CO O'BRIEN- 6:24 Battle Ship Force 2-Report on Arkansas. 6;25 Battle Ship Div 6-CO Texas-Reqst auth to turn in radio app listed. Cross to Texas-6-6;28 CO ROCHESTER - 6;26 Tutuila 6:29 CO NEW JERSY 6:26 fwd Boston 7/1 To S&A req ship from Wash to ERICSSON radio receiver 7/3 To NY-reqst fwd CO SHAW copies of navy std quenched gap radio trans 7/8 cc to CO SHAW CO SAMPSON 7;5 CO MO- 7;13 CO BRIDGE 7;3 CO WHEELING- 7;10 To CO MISSOURI- Receivers listed auth to be turned into store. 7-15 CO PORTER 7;5 To CLEVELAND Tel 7/17 CO ROWAN - 7;18 CO SATURN 7;17 New York 8;1	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
425998	6;11	Wash 896	Fwds copy of correspondence with Westinghouse Lamp Co re devel of vacuum tube and patent on same. To Westinghouse Lamp Co- Tel " The K & WC Mfg Co has recn samplews of our small vacuum tubes which they wish to use on govt test will this be satis to you B E Shackelford,"no objections 6-18 (referred to Bu for reply)	
417640	6-16 To Wash- req prepare insepc spec covering testing of second grade vac tubes 8/29 To Wash req insped spec be prepared 8/29 To Inspr Chi- cannot issue instruc until S&A made contr with Western Elec Co 8/29 Wash 9-10 Fwds proposed test spec covg 2nd grade vac tubes	To S&A	Fwds report on conference on disposal of defective vacuum tubes- rec that Sales Dept of Western Elec Co consult with the officials names. W cc to Signal Officer USA **S&A-Fwds correspondence regarding disposition of defective vacuum tubes. 7;19** fwd S&A 8/7 **Inspr Chic- 8/21 - Fwds copy of specifns for 2nd grade vacuum tubes. W.**	
42141	6/6	To Inspr Fed.	Apprvl of manuf of 2 KW arc transmitters will not be issued till sample transm have past acceptance test in accdnce with specifications. W-S.	629
45217	6/10	Mare Island.	Subm report of tests of vacuum tubes at Mare Island. W&S.	629
45919	6/10	To Boston	Instruction books have been compiled and expect to have them delivered to Boston not later than 6/21. W.	629
30864	6/11	Marconi Co.	Subm summary of defects, faults and shortages disclosed by acceptance test, 50 2 KW radio transmitters; rqst be taken up with Pug. Sd. for adjustment. W-S.	629
425471	6-17 To War Dept- req reports fwd to be kept confidential ~~8/4~~	To Bureau Standards	Reqst six more copies of report on progress of testson three power tubes be supplied for distribution. W. **Bu Stand - 7;8** **War Dept-Asks for whom test of power tubes are intended. 7;28**	

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
43680	6/12	Inspr Brook.	200 KW radio transmitting sets. Internatl. R.T.Co. - tests should be conducted at Westinhouse plant- fwds correspondence & prints. W.	629
426751	6;19	H C Co	Asks if test indicates that 1/4 hp nec to dry motor buzzers To Holtzer Cabot Co- Tel 6-20	
427166	6;19	De Forest Co	Two type U water tubes with stand navy base fwd to Bu. To- asks further info 7/7	W
427199	6;19	Bu Stand	Fwds report cov 2 kw tadio transf to be used in con with test on power tubes.	W
426793	6-20	To S&A	Req ship from Wash to Boston five medium wave radio receivers W RB 5/27 Amend,ent of shipt order 5/15/20	W
426797	6-21	To S&A	Req ship from Wash to NY vacuum tubes for use by Internatl Radio Tel Co W RB 7;10	

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Number.	Date.	From or To—	Subject.	
424978	6/10	Boston	Fwds sketch of arrangement of telephone head set transfer switch suggested by Gunner C. F. Gluck with explanatory memorandum. W. To R W Justice via Comdt Boston- acknow rec of sketch and descrip 6/25 To C F Gluck- acknow receipt of, plans and auth for installn will be given destroy in future 6/25 To W J Eidy- via BRIMINGHAM- acknow recept of sketch 6/25	
6784	6/10	N.Y.	Subm drawings of 30 KW are transmitting equipt. W.	629
425039	6;12	Bu Stand	Modulation test of Deforest transm, sub report cov with oscilliogram.	W
425038	6;12	Bu Stand	Reqst permission to purchase amplifier from G E Co. To Bu Stds- has no objection to purchase of equipment from GE Co. 6-21	
413764	From Card 228 see 232 & 236		CO JUPITER-Reqst short wave rec set be replaced. Cross to Jupiter 6	
		US Destroyer-Instruc in con with refusal radio app. 6;11 To S&A req ship from Wash to JUPITER radio appr 6-19 To S&A ship from Wash to CLEVELAND appr 6-19 To JUPITER re ship 62-20 To CLEVE re shipt 6-20	To SEATTLE- rel to shipment 6-12 To MINNESOTA rel to renewal of radio receiving appr on board vessels 6-12 To S&A req ship from Washn to DOLPHIN radio appr for 6-11 WYOMING 6/11 Rqst latest type receiving app (cross WYO-6)	
		CO CASSIN-Reqst short wave rec shipped 6;19 Sampson-Reqs short wave rec shipped 6;19 CO WINSLOW-Reqst short wave rec set be replaced 6;20	US Destroyer Force 6-Instruc that ship discontinue using ship circuits to sup current for B battery sup with meter and bat 6;19 CO STEPHENS-Req ves be replaced. Cross to Winslow -6	W
		CO ERICKSON-Reqst short wave rec set		CO SHAW -6;18

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
45920	6-3 6-11	NY S&A	Req info re purpose of transmitters recd	W 629
424353	6-12	To Comdt Washn	Reqst 25 coils for Break relay key be mfg for Intra Fleet Set. W **Wash 9-6 25 coils for break relay key have been manfd.**	
423499	6-10	To S&A	Req ship from Phila to NY porcelain insulators- W **To Internation R T Co- will fwd insulat re place breakage if any 6/24**	
424350	6-13	To War Dept	Advises 12 copies of drawing del by rep of Bureau to Radio Lab. W	
424933	6-14	To Firms, Comdt Wash Yd War Dept:,	Rel to vacuum tube conference Bureau June 20th, asks send representative W To Bu Sta- rel to conference 6-16 Marconi Co-Reqst copy of minutes of meeting. 6;24 **To Marconi cannot fwd minutes 7/11**	
425570	6;14	Wireless Spec Co	Asks if there is a market for 5 kw sets. W To Wireless Spec Co- trans in question are not to be disposed of any time in near future 6-21	
425898	6;13	De Forest Co	Reqst three electrod detectors tubes and special transm tubes made by West Elec Co be furnished for devel work. W **To De Forest Co question of loan being taken up with Cos 7/3**	

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Number.	Date.	From or To—	Subject.	
423089	6-6	To S&A	Reqst shipment from Brooklyn to Airc Facty Phila 12 airc radio transmitters. W RB 3-17; Washington 3/24	
423086	6-5	To S&A	Req ship from Schenectady to Roselle Park 14 vacuum tubes. W To GE-Reqst that records be corrected.	10;13
423716	6;4	S Cunningham	Asks if Bu has radio rec for sale. To H Cunningham- not in position to make purc	W 6-11
424024	6;2	Inspr Fed	Sub information re operation of high speed key devel by Fed Co.	W
424033	6;6	Bu Stand Lab	Vibration test of radio tel transm, report cov.	W
39850	6/6	To Inspr GE.	Rqst supply Bur with list of component parts and spares for radio transmitters and cost of each part. W-S	629
424466	6;9	Ph	Fwds spacing bars removed from Wireless Spec 2 kw transm, will report on defects. To Washi- del of two spacing b rs removed from Wireless Spec trans contract 30866- 8/11 req test-	W
43945	8/7	N.Y.	1/2 KW radio transmitter, Lowenstein Co. - report of test. W.	629

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Number.	Date.	From or To—	Subject.	
407400	From Card 215		Wash-Cond sent by Bu Stand for test, reports on. Cross to 882-1	
424312	6;4	Carnegie	Reqst set for Carnegie. To Carnegie Inst- can supply set as listed Carnegie Inst. 6;14	W 6-10
424440	6;10	B E Shackelford (Westinghouse Lamp Co)	Kilbourne & Clark-Reqst sample of vac tube, is this sat. To Westinghouse Co- satis, assums no responsibility for any patent questions or litigations may arise with complying wit reqst of KC&C Co 6-16	
423874	6-10	To NY	On June 7th fwd to office prints rel to checkage of trans mfg by Lib Elec Corpn under cont 45920- W NY 6;13	
423880	6-10	To S&A	Req ship from Washn to Lowenstein Co radio frequency ammeters W.	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
420986	6-4	To Bureau of Standards	Will be ne cessary that Secty of Technical Advisory Comm. on Vacuum tube standarization be supplied with six addtl copies of papers as listed. W
422499	6-4	To S&A	Req ship from Boston to Washn radio apparatus for use Radio Transmitter Lab . Yard. W
To Washington- Fwds correspondecne re lab equipment 7-16			To S&A reqst trace material 7/5
42141	5-28	Inspr Fed	In conn w certain modification on 2 kw arc trans sets ask if satis W&S S&A - 7;9 629
422498	6-4	To S&A	Req ship from South Brook to Washn radio apparatus, for use radio trans lab yard. W
To Radio Officer Flt Sup Base-Calls attnetion to Shipt order of June 13th with amendment. 7-16			To Fleet Base- will issue canc of item 6-12 To S&A canc of SO of 6-4 6-13 R- 6.17
S&A 9-17 Reports on status of shpmt.			To S&A req ship from Fleet Base to Washn one radio trans set 6/23
422500	6-4	To S&A	Req ship from Phila to Washn radio apparatus for use radio trans lab yard. W
4225 01	6-4	To Comdt Washn Yd	Authroizes drawing fro store and turning over to Radio Trans lab. for permanent use radio material as listed/ W
422017	6-5	To NY	Fwds set of RE 17A 62 A mfg instruc for 1/2 KW emergency radio spark transmitters model "L". W
To I.M. Ny- Fwds prints of mfg'g instructions. 7-16			NY 6;16 NY 7;1
NY - 7;19			
423011	6-5	To Manhattan Elec Sup Co	Assigns type no. W Manhattan Elec Sup Co 6;13

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Number.	Date.	From or To—	Subject.
413764	FROM CARD 228 To S&A SEE CARD 234		Req ship from Washn to KEARSAGE radio rec type SE 1220 contract 42615 with Westinghouse Co for instalin KEARSAGE W 6-5 To S&A req ship from Washn to CO SEATTLE radio receiver 6-10 CO BENHAM 6;21 CO VT 6;17 To ERICCSON- reqst turn in store 6/28 To SAMPSON- reqst turn in store 6/28 To WYOMING- reqst shipment to CO reqst compl instalin turn old material in sttre 6/28 To S&A req ship from Wash to VERMONT and control box 6/28 To VERMONT re ship 6/30 CO NICHOLSON-7;1
423312	5;7 6;4	American Embassy Com	Transfer of Bllesceze's patent right to Signaux Electriques pour Chemins de Fer. W Lt Kitchen - Sub report on Bellisize Duplex system. W 6;28 To Bu Std fwds copy of report Lt Kitchen 7/3 To Paris Franne- cannot at this time take up the Bellescize system 7/3
423621	6;5	Boston	Bu Stand-Comments on bellizize Dubplex system. 7;16 Design of tel head set transf switch for use with rec amp, fwds correspondence and prints in con with. W
423548	5;25	Lowenstein Co	Fwds drawings showing manner of running off pressure surface 1/4 kw units. To F Lowenstein Radio Co req fwd copy drawing 6/30 Lowenstein Co 7;3
423430	6;5	War Dept	Reqst copy of report on Bu Stand test on power tubes be furnished. To Bu Std- suggest fwd reports to Tech Staff direct 6-16 To O rd re above 6-16

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Number.	Date.	From or To—	Subject.	
422094	5-31	To Federal Tel Co	Assigns type number W	
422765 see card 248				
422678	5;23 5;29	MI Sayville 970-8	Reqst mfg reqsn for 500 spark gap brushings. W fwd MI 6-10 RB 7;8 fwd S&A 7/17	
422731	5;31 Boston 7/2.	Boston	Recs for use of compound for improvement on construction of E & J tubes. W fwd Washn Yd 6-6 RB 6/16 To Boston- calls atten to fact nomenclature "E and J" not navy type number 5-7 To Boston- req info re difficulties 6/25	
~~422093~~	6-2	VOID To ~~Westinghouse Co~~	Fwds ~~print of photo aire radio antenna reel type SE 4025~~ W	
422102	6-2	To S&A	Req ship from South Brook to Washn, Bu Std radio transformers. W RB 6;20	
36140	5/29	To N.Y.	Rqst N.Y. Yd. ~~communicate with Pug Sd rel to completing repairs to transmitters.~~ W-S.	629

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Number.	Date.	From or To—	Subject.	
422912	6;2	Bu Stand	Compund heterodyne method of resuction report cov.	W
422844	6;2	NY	Reqst expedite shipmt of 50 receivers for stock. NY-Reqst expedite shipmt of rec. W 7;19 fwd Wash cc to IM NY 7/24 RB 8;7 fwd NY 8/11 RB 9;24	
422106	6-3	To Phila	Fwds cy of instruc for instaln care and operations radio spark trans sets with gas eng driven gen mfg by Lowenstein Co. contr 40332. W	
420987	6-3	To Comdts, Bu Stds, Firms, War Dept	Fwds copy of report of vacuum tube conference. May 20th-- at which present. W	
422914	6;2	Bu Stand	Uni direction receiver, detailed report cov.	W

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
421146	5-27	To S&A	Req ship from Norf to Washn radio transmitting set. W	
421243	5;26	E Bergere	Reqst Navy Sup Sup draw stand rec set. W To Emerick Bergere- advises communicate with firms re reqst for drawings 5-28	
421350	5-28	To Washn Yd	Reqst fwd two sets of vandyke prints of dr wings. W Washington 8;19	
421547	5-28	To Bureau Standards	Fwds cy of instructions for testing type SE 1444 vacuum tubes. W	
40339	5/19	Pug. Sd.	Subm list of defective and missing parts for 15 transmitters recd. W.	629
422259	5-29	Washington	Fwds booklet on vacuum receiving tubes - W To Washn Yd- reqst fwd two addtl copies 6-3 Wash-Fwds report on vacuum tubes. 7;10	

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[OVER.]

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Number.	Date.	From or To—	Subject.
421467	5:26	Marconi Co	Reqst loan of receiver to make comparison test. W
		Marconi Co 6:28	To S&A req ship from Phila to Roselle Parke NJ Marconi Co radio reciver W 5-31
		Boston-States short wave radio rec were rec by Marconi Co on 8th. W 7:17	To Marconi- authorized loand 6-6
		To Radio Corpn- reqst return of loan of receiver 6/20/20	Marconi Co - 6:16
		To Radio Corpn 12/14	To S&A req ship from Boston to Roselle Park radio receiver 6/24 To Marconi Co re ship 6/25
		GE Co-12:21-W	
421336	5-28	To Phila Tel	Revised drawing for two feet six inch radio compass urgently needed advise when same will be fwded W
			Ph-Drawings fwd by messenger 28th. 5:29
421551	5-29	To Norf	Fwds cpy of instrcns for installn care and operation of radio spark trans mfg by Lowenstein Radio Co contract 40332. W
422519	5:27	MI	Reqst plans pertaining to 2 kw transm be furnished. W
			To MI- advises drawings for trans in course of prep 6-18
316383 from 149	5-31	To S&A	Fwds ship reqst 8-1-18 to SO Washn, material shipt. W
			To S&A- req take up with Alaskan Engr Com matter of furnishing invoices for matrl 10/1 cc to Alaskan Engr Comm

RECEIVING AND SENDING

1919

Number.	Date.	From or To—	Subject.	
419397	5-23	To Washn Yd	Reqst fwd Nord six copies of instrucn booklet for type SE 1071 audion detectors W To Norf- fwd set of instruc books 6-23	
419974	5-23 Phila 12/13 Fwd S&A. 12-24	To Phila & NY Yd	Purchase of motor buzzer transmitters similar to British type is contemplated for installn on destroyers. asks comments W Phila 5;29 NY-States that approximately 40 ships having Sperry transm have proven unsat. W 6;20 Ph-Fwds spec radio report on perf of radio transm. W 7;2	
419976	5-22	To S&A	Req ship from Washn to Annapolis, twenty vacuum tubes and one decremeter W RB 7;31	
419975	7;2	Phila	(Old Number)	
420321	5-23	To Marconi Wireless Tel Co.	Asks type number on name plate of 2 kw quenched gap transmitter now mfg. W	
420516	5-23	To Metropolitan Elec Mfg Co	Reference phone conversation with Mr White and Bureau, re type audion battery switch board, modified, non-receipt-asks tracer W	

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N.S.E. Form 134.

RECEIVING AND SENDING

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Number.	Date.	From or To—	Subject.	
420678	5-26	To Bu Standards	Confirms del on May 20th to J M Miller one cy of minutes of two meeting of Technical Advisory Com on Vacuum tube standarization W To Westinghouse Co- ditto 5-26 To American RR Co ditto 5-26 To GE Co ditto 5-26 To Western Elec ditto 5-26 To Comdt Washn- ditto 5-26 Washington 6;6 Westinghouse Lamp Co - 6;6 To Washn- addtl copy fwd 6-13	
420976	5-26	To Marconi Wireless Co.	Fwds paper giving measurement on airc antennas, made for Bureau by GE Co. W To DeForest Co ditto 5-26 To Western Elec Co ditto 5-26 To GE Co ditto 5-26	
42141	5/24	To Wash Yd.	Rqst test of 2 kw arc sample ship be made as rapidly as possible & communicate with Bur. if difficulty experienced. W-5.	629
43722	5/22	To S&A	Rqst inform as to what is present status of cancellation of 500 audion control boxes. W.	629
420979	5-27 To Wash fwd two copies of report 6/24	To Washn Yd	Fwds one copy of reports as listed prepared by Bureau Standards. W To War Dept- fwds cy of reports on vacuum tube standarization. 5-28 To GE Co American R Co & Western Elec Co- fwds cy of report 5-28	
420993	5-27 Amend of ship ord 5/15/20	To S&A	Req ship from Washn to Boston radio receivers and audion control boxes. W RB 8/17	W

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[OVER.]

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.
	To S&A req ship from Washn to MI vacuum tubes 6-10 To S&A req ship from MI to Washn defec vac tubes 6-10		
418460	5;14	MI To MI- asks expedite 6-7 To MI- reqst continue inspec 6-9 Sub report on receipt and rejection of tubes, reqst allotment cov test. WK	
TO CARD	MI-Tel-Annoid tips shipped to Annapolis 5;23. W		
263	To MI Tel 5-28 MI-Report of test of tubes 6:2		MI-Tube test in accordance with instruc. 5;19 Tel To MI Tel 5-17 To MI Tel 5-21
M I 8-30 Reports on test Vac tube;			
417882	5-15	To Western Elec Co.	To Washn- summary of corresp 5-24 Confirms phone conversation between Co and Bureau reqst info re cost of two telephone sets of nature described in "Outline of Trans Vacuum Tube Requirement of USN" W
418138	5-15	To Washn Yard.	Reqst tests be made vacuum tubes. W
	Wash-Fwds data cov filament current characteristics. W 8;28		To Washn- reqst tests be carried out at 350 volts plate potential in addtn to 750 volts specified original y 5-27 Wash-6;2
418139	5-15	To Westinghouse Co.	No objection to purchase from Western Elec Co for expr purposes two telephones. W
418443	5-15	To Boston	Authorizes installn of audion control box on each of TUCKER and CO YGHAM. W\cc to Boston CO TUCKER CORNINGHAM 6 6
418948	5;14	Bu Stand	Sub report of comparison of amplifier type SE 1405 and SE 1605 - B. W
418445	5-16	To Chasn	Authorizes installn of audion control box on DRAYTON and MONAGHAN. W 6 6

Number.	Date.	From or To—	Subject.	
419268	5;15	War Dept	Assembly and base dimensions for vacuum tube, fwds prints. To War Dept- lettr from Chief Sig Off with enc recd 5-28	W
419346	5;10 5;16	Bahama Isls Com	Reqst information as to price etc for quenches. To Supt Tel Dept Nassau, Bahamas.- gives info reqstd, will take no further action until hear from you 6-4	W
419398	5;17	Norf	Fwds instruction booklets listed.	W
418131	5-17	To Firms	Asks send representative to vacuum tube conference 5-20-19. W T o Washn- rel to above- 5-14 To War Dept--conf be held 5-20- reqst rep of Signal Corps be present 5-19 American RR Corp. 5;19	
418813	5-17	To H. J. Power American R & R Corpn	Tel: Vacuum tube conference May 20th invitaion mailed you W To R A Weagant Marconi Wireless Co ditto 5-17 To Dr Lee DeF orest DeF orest C o ditto 5-17 To B Shackleford Westing o se Co di tto 5-17 To E H Colpitts Western Elec Co ditto 5-17 To W C White GE Co ditto 5-17	

Number.	Date.	From or To—	Subject.	
417767	5;10	LL Hazeltine	Fwds descrip of invention called "Neutralization of Capacity Coupling"	W
		LL Hazeltine-Fwds copy of patent appli with prints. 7;19	To L A Hazeltine Washn radio test shop-reqst information in detail 5-24	
290		L. L. Hazeltine-Rqst return all papers. 8/15 W.	To L A Hazeltine- fwd patent application on method, reqst execution 7/10 (Cross to 896)	
		To L.A. Hazeltine- gives info 7/3	To L A Hazeltine- acknow rec of letr 8/14 papers previously fwded 7/17	
		L.L. Hazeltine-7.15-W.		
		To L.A. Hazeltine 7-30		
417187	5-10	To Ensign Chas. Spaeaker	Withholding matter of development of proposed circuit arrangement and matter of applying for patent pending receipt of necessary detials. W	
417640 see card 235				
416217	5-12	To Westinghouse Lamp Co.	Fwds cy of General S pec for transitting vacuum tubes and cy of outline of trans vacuum tubes requirement of USN. W	
			To Western Elec Co- Navy has no objection to purchase for expr purposes head phones. 5-12	
			To Washn Yd- confirms phone conversation repre of Bu and Washn Yd. fwds cy of letter from Westinghouse C o of 5-3 and 5-10- 5-12	
417401	5-12	To Comdt Washn Yd.	Reqst one set of vandykes and six copies of instrucn pamphlets for appr listed. W	
			Wash-Fwds drawings 5;21	
417637	5-12	To Comdt Washn Yd	Fwds receviing data compiled by Bureau.	W

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Number.	Date.	From or To—	Subject.	
417989	5;13	Naval Intel publicity	Article by Midshipman J B Dowell in con with design of one kw arc conv, asks if any objection to publishing. Naval Intel-Reqst return. 5;29	W
418024	5;13	Genl Engr Lab	Asks when drawings and rec may be exp.	T W
418190	5;12	War Dept	Fwds drawings in con with vacuum tube standardization. To War Dept- acknow letter of 5-12 5-23	
418557	5/14	C. H. Robbinson Co	Asks if Bur can handle radio transmitters Cutting & Washington make. To C H Robinson Co- cannot utilize equip offered 5-23	W.
	Govt w apparatus — A To C H Robinson Co- no further prucase be made 6-10			
39850	5/10	To S&A	CHRobinson 5/28- Rqst oppor to furnish Rqst contract be amended to include addtl equipt, as listed; also amended to call for modificn of aircraft radio transmitters. W-S.	629
417547	5/7	Cruiser Force	Copy of circular let. dtt. req. be made for replacing of certain receiving and audion control boxes. W.	493
42141	7/17	Wash	Test of sample 2 KW Sub arc transmitting set, subm by Fed. Tele. Co. report covering.	629 S&A

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
415878	5-7	To Comdt Washn Yd.	Reqst photos be taken of apparatus, motor buzzer transmitters from International Radio Tel Co, in order book of instruction may be prepared covering. W Wash 9;23	
416302	5-7	To S&A	Reqst shipment from Brooklyn to Washn one 1/2 kw 120-volt radio trans set. W	
47339	5/5	Inspr G.E.	Vacuum tubes will be furnished from contractors Siebel Bros and not from Cleveland S.	629
415860	5-8	To S&A	Req shipment from Fleet Base to Washn one Telefunken block type Litzendraht load coil. W	
416301	5-8	To Secty	Authority reqst for purchased of 450 motor buzzer sets cost of 150.00 per sets. to be installed on vessels equipped with 2, 5 or 10 kw spark transmitters. W	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
40332	5/8	Inspr Brook	Submits weights of 2 KW gasoline engine driven spark radio transmitting sets. S&W	629
45711	5/7	To Wash. Yd.	Contract amended to provide for reduction in price of receivers- rqst proper action taken to have dials etched and engraved. W-S.	629
417450	5;8	Boston	Hand sending key, fwds prints and photoes.	W
416421	5-9	To War Department	Reqst cy of detailed reports covering American and foreign apparatus which might be utilized in design of teelphone transmitter employing loop antennas, for short range commun between vessels for tactical purposes. W	
SEE 247		Sig Corps-Sub report on loop antenna-Cross to 875 7;11 War Dept-Reqst log of test which will be conducted on radionegometer in Aug. Cross to 875 7;22 To War Dept- copy of log will be fwd to office upon rec in conn w test 7/28	War Dept 6;18 To Annap req copy of tests 7/29 To War Dept- reqst copies of reports be fwd re place one lost 7/3 Annapolis-Rep of test 8;14	
417898	5;10	Westinghouse Lamp Co	Reqst spec cov transm set and parts.	W
417451	5/8	Boston	Hand sending key, fwds prints and photos	W 900
43945	5/8	NY	1/2 KW radio transmitter manuf by Lowenstein Radio Co.- fwds report on test. W.	629

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
416155	6;18;18	Washington	Fwds copy of letter to Marconi Co and Prof A N Goldsmith in con with correction to drawing of two stage untuned amplifier.	W
416924 OM No	5;17	New Orleans	Fwd to	
416217	5;3	Westinghouse Lamp Co	Asks where and how Co may purchase Navy type receiver.	W
414740	5-5	To Phila	Unable to identify material, inventory card recd. asks correction of W	
415536	5-5	To GE Co	Fwds copy of report of vacuum tube conference 2-20-19 W	
415863	5-5 fwd S&A	To S&A 6-13	Reqst shipment from Norf to Bu Stds radio transf. W RB 6;20 Norf 5;15 canc of 6-2 RB 6;20	
417451	5/8	Boston	Hand sending key, fwds prints and photos. W 900.	

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
415529	5-6	To Mgrs. Comdts,	Reqst info as to approximate number of gap units proven defective or worn out in service. W also methods of repairing same. Boston-No gap unit prepared at yrd. Ship Ord 5;19 New York 5;22 MI 5;24	
415875	5-6	To N.Y.	Advises shipping instructions being prepared covering material, shipment order 5-8-19 W NY 6;2 To Washn- rel to shipment 6-13	
415876	5-6	To U.S. Fleet 443	Fwds copy of minutes of conference held BUSE 4-17-19, reqst comments W	
415877	5-6	To Comdt Washn Yd. 907	Comments rel to policy of equipping subs with arc type transmitting- W To Washn-- data on loop constants 5-22	
48770	5/1	To N.Y.	Relay keys-, rqst Bur be advised as to cause of rejection of, and whether charges involved in repari, chargeable to Navy Dept. W.	629
416795	5;7	Wash 65	Replacement of tubes of type 31 British fire cont set by CG 1142 tube, fwds sketch showing. W	
40332	5/8	Inspr Brook	Submits weights of 2 KW gasoline engine driven spark radio transmitting sets. S&W	629
45711	5/7	To Wash. Yd.	Contract amended to provide for reduction in price of receivers- rqst proper action taken to have dials etched and engraved. W-S.	629

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
414459	4;29	To Natl Elec Sup Co.	Authorizes sale of apparatus. Natl Elec Sup Co- 5;10	W
42141	4/22	Inspr Fed.	2 KW arc radio transmitters, radio frequency ammeters for- report of calibration, test	629 W
415346	4;30	GE	Fwds sample of improved form of anode for pliatrons. To GE Co- acknow receip of letter 4-30	W 5-5
415572	5;1	Lowenstein Co	Fwds report on operation of new design 1/2 kw type V transm.	W
414735	5;2	To Wash	Tests of arc transm. Washington 10;24	W
415123	5;2	To NY T	Directors expressed.	W

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Number.	Date.	From or To—	Subject.	
415284	5;2	To Bu Stand	Tests being conducted. To Washn Yd- transformer reqstd shipt. will be used for testing purposes W 5-6	W
329254	From Card 171		To Ph-Reqst discontinue fwd production reports. To Phila-States that report has not been received. 5;3 Ph-Fwds prints. 5;7 W Bu Stand-5 kw transm will be sent by truck to Wash Yrd on 12th. 5;12	W
416147	11;2;18	Washington	Sub details of test made for Marconi Co to build rec.	W
416152	7;28;18	Sperry Co	Will sub let part of work on short wave rec to Wireless Imp Co.	W

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
419978	5-22	To Comdt Washn	Reqst recs be made by Yd Washn rel to comparative desirability of modified form, one pr of Baldwin head telephones fwded by Col. Firth. W Washington 6/13 To John Firth- does not pl ce telephone on approved appratus 6-19 To Washn- req sample be returned to Mr Firth 6-19
420042	5-22	To Yd Washn Foreign navies	Quotes from letter Comdr Naval Forces France, rel to Sperry emergency radio set did not give satisfactory service, adjustment made", fwdes instruc bookley W. To S&A req ship from South B to Washn one Sperry trans 5-22 To Cdt Wash req canc of test 10/28
413764 To Card 234	FROM CARD 222 To S&A req ship from Washn to SUPPLY radio receiver 5-28 RB 11/10 To S&A req ship from Washn to SMITH radio amplifier 5-28 CO SEATTLE 5/28 SEE CARD 232. Battleship Force 2 5/29 Report of CO NEW YORK Battleship Force 1 5/29 Report of CO MINN. 5:19 KANSAS		CO SMITH 5/10 To SUPPLY- autho turn instore 5-29 To Phila- author installn on OHIO radio material W 5-23 Inspr Brooklyn 10;22 To NO- arranged to ship receiving equip 5-24 Battle Ship Force 1- 5;20 CO CLEVELAND 6;10 USS FLEET- CO SUPPLY reqst radio apparatus listed be replaced. Cross to Sup-6 5;24 Norfolk- 5;24 Norf-App removed from N. D. 5;28 CO DEL. 5;20 US TR-5;27 Sub report. CO R. I. 5;23
402192 SEE 893	5-22	To Phila	Info reqstd status of shipment order of 3-15 to Phila. shipt to Yd Washn of two Weston microfarad meter. W Phila- 5:29 Phila 6;12 To Phila- status of ship given, req of 3/15 8/12

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
419915	5;20	Bu Stand	Fwds report describing investigation of vacuum tube Bu Stand- Reqst change vacuum tube infor. To Bu Std- suggest that fwd to S Corps copies of reports accepable W 5-27 To- acknow ltr 5-27- 6-2	5;27
419895	5;20	Washington Yrd	British type transm, fwds report of test.	W
420197	5;19 5;21	H W Wilson, Elec on Kansas Com	Reqst consid in securing posession of radio apparatus. fwd S&A 6-6 fwd S&A 7/31 RB 7;25	W
39850	5/15	Inspr GE.	Rel to shipt of radio transmitting sets- asks if shall ship 5 complete sets to the Supply. W.	629
40836	5/16	Inspr GE.	Radio transmitter sets- rqst disposition of extra spares. W.	629
419664	5-21	To Manhattan Elec Sup	Co Assigns type numbers W	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
414383	4:15 4:16	Pearl Harbor Hawaii	Reqst two complete amplifiers of latest type be authorized for Pearl Harbor. To Comit PH- steps being taken rel to mod of amplifiers for recev purposes 5-6	W
414431	4-28	New York (T)	Reports shipment of receivers to Fleet Supply Base without detectors - W	
413586	4-26	To Wash	Development of transm tubes.	W
413753	4:26 To Brooklyn asks status of shipt 9/9 RB 10:23 fwd Chas 10/23 RB 12/23 Fwd S.O. F.S.Base, Brook. 12-29 To FSB 7/14 RB 4/19 W.	To S&A	Reqst shipment from New Orleans to Charleston one 1/2 kw transm set. N O 5/31 (T) To NO Tel 5-29 S&A-Reqst recs. 7:2 TO S&A req ship from South B to Cape Fear Sta Chasn 7/14 R B 8/13 W.	W
412575	From Card 221		To Bu Stand-Fwds copy of report on radio tel mod. 4:28 To Bu Stand-Fwds copy of report on radio tel mod. 4:28 To A merican R & R Co- asks if can ship generator to Washn. for test 5-9 American RR Corp-Fwds spec for high voltage DC generator. 5:16 To American R RCorpn- acknow re of letr 5-16 w specrns suggest cooperate with GE Co and discuss of vacuum tubes 5-26	W

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Number.	Date.	From or To—	Subject.	
413241	From card 221		To Director Bu Stand-Fwds copy of minutes of vacuum tube conf held 21st. 4:28 To Sig Officer-War Dept-Fwds copy of min of vacuum tube conf held 21st. 4:28 To American RR Corp-Fwds copy of minutes of vacuum tube conf held wlst. 4:28 To GE Co-Fwds copy of minuts of conf of vacuum tubes held 21st. 4:28 W	
413587	4;28	To Western Elec Co	Confirms conversation between Dr Wilson and Bu rep. To Bu S&A-Wishes to be informed of the disposition of tubes rejected. 5;1	
413767	4;28	TO S&A	Reqst shipment from Washington to Boston of 9 copies instruc books ? CO NORTH DAKOTA- 5;5 Boston 5;7	W
413764 TO CARD 228	4;30 US FLEET 5;6 CO S. C. 5;9 n 5-14	TO S&A & COMMANDANTS To Norf- author instal To NO- ref to shipment 5-15 To NO 15	To Norf- author install n 5-20 Renewal of radio rec app on vessels. New Orleans-Reqst Galveston Sta be furn with material listed. 5;6 Ph- 5;19 5- New Olreans-Port Author-Furn material listed 5;5	W
413243	5;1	To Bu Stand	Fwds copy of minutes of meeting. New Orleans-Reqst radio app be sup Point Isabell 5;10 To Wash- Restandarization of 6-20 Wash-Standardization of rec tubes fwd. prints. ~~4;27~~ 7;1	W

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
412339	4;17	Bu Stand	Fwds sheets of curves of old type Deforest audion.	W
412576	4;28	To West Elec Co	Fwds copy of report. 4;28	W
412570	4;21	NY Tel	Req 30 vacuum tube adapters.	
Washn 375	4-1	Natl Elec Sup Co.	Memo-copy of corresp diversion del to Signal Corps wih memo of modifications W	629
407414	4-21	To Firms 297	Asks sub specfns for tube apparatus, rel to standardization of W	
		To S&A req ship from Wash to NY 12 vacuum tubes 6/28	To American R & R Co- asks sub specfns	4-22
		To Western Elec Co ship of tubes being made 7/3 West Elec 7;17	To Marconi Co- fwds cy of specfns	5-15
412041	4-21	To S&A	West Elec Co-Reqst loan of Navy packing tube for vacuum tube exp. 6;9	
			Reqst shipment from Boston to Norfolk two 150 ohm telegraph relays. W R B	9-12
411873	4/19	To CO #93	Identification of radio materiil installed on. Inform as to the full name plate data on short wave radio receiver. W.	1/2/6
409973	4-21	To Bureau Standards		
412575	4;28	To GE Co	Fwds copy of report on radio tel.	W
To Card 222			To American RR Corp-Fwds copy rep on radio tel. 4;28 W	
			To Wash-Fwds copy report on radio tel. 4;28	W
			To-War Dept-Fwds copy rep on radio tel	4;28 W

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Number.	Date.	From or To—	Subject.	
46681	4/22	To G. E. Co.	Rqst first 3 transmitting equipts be menu 629 to operate on antenna having capacity of .0003 microfarads & fundamental wave length of 265 meters. W.	
411901	4-23	To F O Peterson	No long wave radio receiving sets available for sale at this time W	
412945	4-23	To War Department	Fwds specfns. and copy of outline of trans vacuum tube requirments of Navy. W War Dept-Reqst 2 additional copies. W 4;25 Ro War Dept-Fwds copy of spec. 5;2	
413376 Old No	5;9	US FLEET SEE 413576 below.	Atl Cruiser-Reqst ship discont use of ship circuits to sup use current for B bat W 5;7 CO ROCHESTER 6;26 CO BEAVER 10;17	
413950	4;24	Washington To Westinghouse Co- will loan vacuum tubes nec for develop 5-29	Recs take nec steps to enable Westinghouse Co to purchase tubes from Western Elec Co. W To Western Elec Co-Gives permission to obtain vacuum tubes. 4;29 Western Elec Co-Cannot furn tubes direct to Westinghouse Co	
413576 To Card 281	4;26	To Yards & Fleets To S&A ship from Wash to BEAVER batteries 11/15 canc shipt order Nov 15 3/3	Discontinuance of practice of using B battery circuits. W Cavite 9-3 (T) Rqst shpmt of 24 storage batteries To S&A ship from Wash to Cavite batteries 9/27 RB 5/1	5/1
414153	4;18 4;26	J A St Omer Roy Washington	Reqst authority to obtain prints cov cov wave receiver from Washington Yrd. W To J A St Omer Roy. reqst disapproved 5-8	
413241 To Card 222	4;28	To Bu Stand	Fwds copy of minutes of the vacuum tube conference. W To Wash-Fwds copy of minutes of vacuum tube conf. 4;28 W To West Elec Co-Fwds copy of minutes of vacuum tube conf held 4;21	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
411567	3;27 4;15	USS DEKALB Washington Yrd	Recs mod type SE 1,000 audion frequency amplifier.	W
411684	4;16	Inspr Lake	Req instruction books on radio rec and transm sets.	W
411745	4;17	NY	Req immediate shipment of 12 series grid leak resistance for receivers. To NY- material rec st go fwd parcel post 4-19 4-19 To S&A req ship from Washn to NY 12 series gridleak resistances 4-19 RB 5;13	W
410881 274	4-16 Wash 9-3 Rqst auth to manf 2 sample amplifiers for test To Cdt Wash- correc of statement made 10/23 To Wash. 1-19	To Washn Yard.	Reqst amplifier to be del by GE Co. Navy Order 5068 be modified. W To Cdt Wash 12/10 To Washn-instruc superseding instruc letter of April 26th- rel to sub receiv amp 6-19 Washn-1;28 To Cdt Wash 2/11 RB 2/16	
411576	4/8	CO	Fwds report on performance of Sperry 6 volt aux. transmitter W.	130-6

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[OVER.]

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Number.	Date.	From or To—	Subject.	
411773	4;16	Fed Tel Co	Fwds copy of letter to C P Bagh req instruction book for operation of Poulson Arc transmiter.	W
411901	4;15 4;17	T O Peterson Com	Req opportunity to purchase discarded radio set.	W
411896	4;17	Fed Tel Co	Fwds copy of proposed list of stock spare parts for arc converter supplied for ship instal.	W
408839	4-17	To Kimble Glass Co.	Reqst info re browned glass tubing having diameter of 1/8, 3/16 1/4" carried instock W To Kimble Glass Co-Reqst shipment of tubing. 5;3 To K Glass Co- glass satisfactory 5-22 To K G Co- reqst ship one poun of tubing 6-12	
411245	4-18	To Washn Yd.	When tests completed, tubes and testing apparatus are to be kept in stock pending instrucns. W To Wash-Delivery of vacuum tubes. 4-1 Wash-Report of test of transm vacuum tube 6;16	
3413	4-26	Inspr, W.E.	Submits revised progress report on status of Plitron tubes. W.	629

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
410692	4-14	To Director Bu. Stds	Fwds info re conference vacuum tubes arrangements made interchange of. W	
28770	4-14	NY	Submits report of test of rotary gap W&S	629
410877	4-15	To S&A	Reqst shipment from Washn to Boston radio amplifier. W RB 5;9 To Boston-Ship of radio app for disposition.	5;2
410690	4-15	To Western Elec Co.	Rel to policy of obtaining info involving apparatus another Company. W	
410702	4-15	To Norf	Fwds prints, sp ecfns for one, two, five and ten KW radio spark transmitters. W	
410707	4-15	To Washn	Confirms del to Radio T est Shop by Mr. White of GE, material listed. W	
410693	4-15	To Phila	Reqst fwd two vandyke copies of RL 9A 101A and RL 69F 180. 30 inch radio compass coil W	

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Number.	Date.	From or To—	Subject.	
411286	4;14	Washington	Test of vacuum tubes, fwds list of material sent to MI in connection with MI making test. To S&A req shipment from Washn to MI vacuum tub 4-18	
411423	4;11	MI	Req drawings of short wave transmitter. To MI- fwds booklet 4-19	W
363251	Fwd from Card 179		Norf-Fwds instructions for cooperation of Stehl communication rectifier.	W
411569	4;14	GE Co	Req spec for vacuum tube brought about as results of conference held about 20th. To GE Co- specfns will be mailed shortly 4-17	W
45919	4/15	Boston	Fwds spedial report, covering series antenna condenser for emergency trans-mitters. L&S.	629

Number.	Date.	From or To—	Subject.
409618	4-11	To Washn Navy Yd.	Reqst test of buz ers fwd by Manhattan Electric Supply Co. W
409980	4-11	To Norf	Asks info re possibility of making connection at electrical midpoint of secondary of all tranformers supplying gap in standard 500 cycle quenched spark sets. fwds drawing W Norf-Sub result of test of 5 kw radio set of Taylor. W 4;28
408840	4-12	To Washn	Material as listed being shipt by truck from Bureau to Radio test shop. reqst store- W
409617	4-12	To War Dept	Reqst Navy be furnished 20 VT S Vacuum tubes will furnish Signal Corps with 20 type 1444 vacuum tubes on receipt of reqs W War Dept-Vacuum tube, have directed lab to ship 20 to Wash Yrd for testing purposes. W 4;20 TO S&A-Reqst deliv ship from Wash to NY of 20 vacuum tubes. 5;1
409974 3	4-12	To War Dept	Fwds copy of minutes of conference, April 7th W To Bureau Standards- fwds coy of minutes 4-12 To Washn yard coy of minutes 4-12 To Bureau Stds- fwd coy of minutes 4-12 To Director BStds- thanks for interest taken in standardization of tubes and conference re 4-21
409984	4-11	To CONNECTICUT	Atl Fleet-Permits audibility test, con by Conn. 7;26 Reqst make test on, during trip to Europe and return W New York 5;9
		To NY- fwds outline of test on CONN and Huntington- 4-12 To Commun- fwds chart showing aud of signals trand GEORGE WASHN enroute from NY to Brest 3-5 to 3-13-19 4-14 CO CONN - 6;24	To Norf- fwds outline of test being conducted with arc trans installed on HUNTINGTON and CONN- 4-12 CO HUNTINGTON-Record of audiability test.W 5;4 To Huntington- reqst test be made 4-12

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Number.	Date.	From or To—	Subject.	
410392	4-12	To U.S. Fleet	Re inspection of arc transmitter instal ln.	W
410926	4;15	CO IDAHO	Req Washington modify design of detectors before mfg.	W
411030	4;11	Washington	Fwds copy of letter to Westinhouse Co granting them permission to use photograph and audion control box for advertisement purposes.	W
410689	4-14 Signal Corps - 4;18	To American R & R Co.	Conference vacuum tube, will be held April 21st, asks send representative To Bureau Stds. reqst be present conf 4-14 To GE Co asks send rep 4-14 To De Forest Co asks send rep 4-14 To War Dept asks send reps 4-14 To Bu Stds asks send rep 4-14 To Director Bu Stds- asks send reps 4-14 To Washn- asks send rep 4-14 To Marconi Co asks send rep 4-14 Western Elec Co - 4;17	W
410691	4-144	To Washn	Reqst cy of technical info on vacuum tubes obtained to date by yard.	W

Number.	Date.	From or To—	Subject.
895	4/2	To Inspr Union (T)	Dow pump zincs not required specifications 629 aux feed pumps, type piston rings desired by Dow Co apprvd. Question foundation should be taken up with Mare Island. Dd.
408833	4-8	To S&A	Req shipment from Pensa to Fleet Base ten airplane radio receivers W To Pensacola- re shipment 4-12
408836 408839 see cd 220	4-8	To Washn	Reqst make tests W To Wash-Action of rec and amplifiers from one set of bat. 4;30 Washington 5/29
409066 To CARD #261	4-9 To Wash-Fwd 8;26 To S&A disapproval 9/2 ccto MI R B 9-12 Wash-Reqst Yrd be advised standardazation of switch. 11;8	To M.I.	Reqst type switches proven defective W To MI- recs if one of three type of insul can be used that reqn be issued. 5-9 To S&A req held unapproved pending reply to letter of 5/9/ to MI 8/4 ~~Washington-~~ To Comdt Mare Island. 12-12
409430	4-9	To S&A	Req shipment from Washn to Boston radio material W RB 5;23
410959	1;29	BU STAND	Cannot sub information req on large glass vacuum bulbs. W
406794	4-9	To S&A	Req ship from Glouch to Phila one 500 cycle aircraft radio transmitter W
409601	4-10	To S&A	Req shipment from Chicago to Washn 400 radio compass amplifiers W Chicago- 4;19

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Number.	Date.	From or To—	Subject.	
410332	4;10	Cambrill Elec Co	Are in a position to mfg amplifiers and relay keys. fwd S&A, 4-21	W
410575	4;10	Washington Yrd	Fwds copy of instruc for inspec and calibration of receiver.	W
410374	4;11	Shaw Insul Co	Req drawings and spec of vacuum tubes. To Shaw Co- fwds drawings 4-18	W
409600	4-10	To Insternational R. T.	Co. Tel: Suspend mfg type SE seven twelve B receivers pending receipt sample receiver and drections Washn navy yard letter follows W	
409615	4-11	To Ward -Leonard Co.	Adoption of policy furnishing contractors mfg complete radio transmi ters descriptions and photos illustrating, reqst prepare set of instruc for gen field rheostats being sup on Lowenstein Contract 43945- W	
		Ward Leonard Co-Fwds photoes showing field rheostats. 5;20	To Roller Smith Co/ ditto 4-12	
			Weston Elec Instrument Co. Reqst spec. 4;21	
			Roller Smith Co-Sub information reqst. 4;25	
409615	4-11	To Weston Elec Ins Co.	Adoption of policy re above, instruments listed. W	

[OVER.]

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
408657	4;5	Bu Standard	Advisary Committee on Vacuum Tubes should be composed of three engineers, to meet regularly. Cross to Bldgs Miscel. and Bu Stand.	W
408918	4;4 To Washn- in stock shipping order 5-5	Washington Yrd reqst material be retained pending receip of	Sub recs concerning design of rec app higher wave length than ever used in service before, req authority to carry on experiments. To Washn- author yard to conduct work 4-11 Wash-Rec for remodeling rec. 5;6 Wash-Reqst approval of remodeling rec. 5;5	W
364223	4-5	To S&A	Reqst cancellation of Shipment order of Nov 2, 1918, re material for RAIL W	
405439	4-3	To S&A	Reqst shipment from Washn to Norfolk, ten radio batteries, W	
381889	4-4	GE Co	States will make up two sets of contact with tungsten welding copper base for ddtl test if reqstd W	920-1
409160	4;5	West Elec Co	Fwds report on test of British vacuum tubes. To War Dept- fwds cy of report 4-14 To Western Elec Co- another conf will be held April 21st, asks send rep 4-14 To Washn- fwds cy of report 4-14	W

[OVER.]

Number.	Date.	From or To—	Subject.	
409248	4;7	Phila	Conf tel conv stating Electros Co will ship insulators for interfleet app.	W
408447	4-7	To Washn	Fwds copy of memo giving correct type number applying to two stage audio frequency amplifiers W	
408839	4-8	To Eimer & Amens	Reqst info re brownned glass tubing having diameter of 1/8" 3/16" and 1/4" are carried in stock W Kimble Glass Co-Submits quotations. 4;19 Kimble Glass Co-Fwds sample of ampere tubing. 5;25 To Bu Std- sample fwded 5-31	
409053	4-8	To Dubilier Cond Co.	Advises re adoption of policy furnishing contractors with descrip and photos illustrating theory, etc. of standard navy parts for transmitters W	
409055	4-8	To N.Y.	Re adoption of policy furnishing contractors descriptions and photos illustrating, std navy parts for transmitters W NY-Sub descrip of constrc of French gap with photos. 10;4	
409056	4-8	To N.Y.	Re adoption of policy of furnishing contrs with descrip illustrating standard parts for transmitters W	

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Number.	Date.	From or To—	Subject.	
407188	4-2	To S&A	Req shipment from Washn to Phila radio receiver W	
407189	4-2	To S&A	Req ship from Boston to Washn radio trans set W	
407190	4-2	To S&A	Req shipment from Fleet Base to Washn radio trans set W	
407295	4-2	To Wireless Spec A Co.	Fwds drawings. W	
26600	4/2	To S&A	Rqst amendment to contract to provide for 34 instead of 36 wave meters and reduction be made in contract price. W.	629
406087	4;1	Fed Tel Co	In con with price of arc converter and and spare parts under agreement between Western Elec Co and Fed Tel Co.	W
407400	4-3	To Bureau Standards	Asks have condenser fwded, calibrated, and fwd to Wash L ab W	
		To Boston-States difficulities exp with cond. 4;29 W	To Bureau Stds- S cfns being del pending receipt of info let er 4-3 4-17	
Card 233		To Wash-States dif exp with cond. 4;29 W		
407419		To Ph.-Fwds cond for test. 4;30	Bu Stand - 4;22 Dub Cond C—Req rep of test 10;2	
	4-3	To N.Y.	Reqst 5 KW changer and accessories loaned to, be called for, and replaced in store W	

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RE CEIVING AND SENDG

Number.	Date.	From or To—	Subject.	
407710	4-3	To Bureau Standards	Reqst drawings and spec of of radio galvanometer be fwd to B ureau, sample may be constructed for use Laboratories W BU STAND-Description of galvanometer. W	4;10
7836 1/2	4/2	To DeForest R&T Co	Request 15 samples of trans vacuum tube type CG 1144 be submitted for test W-R.	706
257010	4-4	To Comdt Washn	Asks investigation if enclosures fwded misplaced W	
405751	4-3	To S&A	Req ship from Washn to NY radio receiver W To S&A canc of SO of 3-28, material supplied SO 4-3- 4-7	
407709	4-4	To Washn	Fwds copies of apparatus used on model E, F, G, M and R Radio transmitting equipments W	
407718	4-4	To S&A	Req shipment from Phila to S Brook radio transmitting sets, W	
407415	4:25	TO S&A	Amend ship ord item (a) from Wash to Norf. W S&A-Reqst copy of authorization mod of ship order. 5;3	
407414 see 221			To S&A encl cy of ref of 4-25 5-12	

Shipt order 4/3 RB 4/19. W.

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RECEIVING AND SENDING 1919 214

Number.	Date.	From or To—	Subject.	
406252	3-29	To Signal Corps	In accordn with reqst, handed special messenger on 3-27, one copy of specfns RE 13A 111E-----W	
406798	3;29	Phila	Req one of the airc radio transm at Gloucester be assigned to radio lab for permanent use. W	
403053	3-31	To Comdt, Washn.,	Advises demand from three different sources, under water operations with subs, reception aboard battleships using short antennae, and radio compass shore stations, author carry out developments re amplifier for - Wash 9-2 Status of developing amplifier To Washington- Reqts design be prepared of radio-audio frequency amplifier. 1-22	
405743	3-28	To S&A	Reqst shipment from Washn to Mare Is., radio receivers,	
406683	3-31	To M.I.	Advises Bu reqstg SO's radio transmitters and receivers, should necess installn of reqst author from Bu., RB 6;3	
406684	3-31	To S&A	Reqst shipment from Washn to M.I. radio receivers-	

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[OVER.]

Number.	Date.	From or To—	Subject.	
407646		C&R	Req infor rel to let from L H Bachland to Dayton Engr Lab Co in con with C tubes.	W
406679	3-31	To S&A	Reqst shipment from Washn to Bath, Maine radio appr for installn destroyers 345 and 346-	
406683	3-31	To S&A	Reqst shipment from Phila to MIsland 4 radio transmitting sets	
406688	4-1	To S&A	Reqst shipment from Washn to Fleet Base, S. Brook, 3000 vacuum tubes, RB 5;22	
407184	4-1	To Ward Leonard Electric Co.	Asks info re action in matter of submitting panel for charging vacuum tube filament and plate batteries, chepper than furnished contract 45367-	
407846	3;17 3;31	Cost Inspr West Elec Co S&A	Defective vacuum tubes at Western Elec Co, sub plans in detail for disposition of.	W
407404 Old No	5;9	Marconi Co		

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Number.	Date.	From or To—	Subject.	
405322	3-25	To S&A	Reqst shipment be made from Washington to Mare Is, radio apparatus, for stock-- RB 10;29 To-S&A req ship from Wash to Mi 15 radio loading coils and 25 batteries, W 5-23 RB 7;28	
405328	3-26	To S&A	Reqst shipment from W ashn to P Sound radio apparatus- Canc of shipt order item F 6-7	
405781	3;25	Annapolis	Exp keay and oscillation form designed by R A Hollberg and L R Miller radio expert aides Norf, sub report of test.	W
405646	3;24	War Dept	Req Navy sell radio set for army mine planter. To War Dept- comments re 4-4	
406150	3;26	Norf	5 kw self cooled quench spark gap, asks Bu still desires same fwd to NY yrd. To Norf- MISS has been reqst to sub report upon receipt will give consideration 4-15 To NY- Norf been reqst to retain gap for Fwds prints of anode tips in con with effort to increase lifeof.	W
406180	2;8	CAVITE		W

tests at stations 4-15
236 TO MISS- asks report 4-16
To Norf-Fwds copy of report. 4;29
Norf-Report of comparitive tests. 6;17 SEE 236

[OVER.]

Number.	Date.	From or To—	Subject.	
406330	3;20	CAVITE	Life of test of type D elec audion bulbs was 4044 hours. To Cavite and Olongapo- acknow receipt 4-4	W
381050	See card 193		West Elec Co-Will call at office with Mr. Folk some time next week. Tel 3;26 West Elec Co-Will arrange for conference within the next 10 days. 3;27 American T & T Co-In con with set by Gov for infringement of patent and future license to Army and Navy for non commercial purposes, fwds copy of correspondence with war dept in con with. Cross to 896 4;23 To American T&T Co- plans outlined satisfactory to Bu endeavoring to bring about such arrangements enable Dept to be such position that agreement can be entered into. 5-13	
405328	3/26	To NY	Requ complete set of instruen be prepared for type 1599 lighting switch as listed re adoption of policy of furnishing contractors mfging complete radio transmitters w description and photos illustrating theory functioning and repair of Std navy parts making up compl transmitter. To Bost-ditto 3/26 To Bost re hand sending key. 3/26 Shipt order 3/26 RB 6/22 W.	885
405736	3-28	To Comdt Washn	Reqst return of instruc books, as info contained therein confidential-	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
403475	3-14	To Comdts Yds and Stas	Advises that vessels operating in American waters will be fitted with two spark gap in accordance with pre-war policy- the rotary gap being employed only for auxiliary purposes-	
405215	3;24	Annapolis	Fwds Tungston key contact will not meet req on high frequency prints.	W
403692	3/21	To Commdt Wash	Requ type SE 1440 receiv er be prvided w secondard load coils spaced 2" apart-	919
405439	3;24	American RR Corp	Fwds vandykes for 1/2 kw emergency set model L. To American R & R Co ackn ow receipt 4-5	W
405150	3-25	To Western Elec Co	Asks submit test results, as Bureau is conducting tests to ascertain performance of vacuum tubes used in British Navy for wireless transmission and reception-	
405547	3/27	To Comdt Cavite & Olongapo	Fwds report of various types of receiving circuits asks study of-quth expenditure of $500.00	806

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[OVER.]

Number.	Date.	From or To—	Subject.	
404905	3/24	Nav Joint	Req of Brazil Nav aatache for instr for operation of amplifier w American receptors of long waive W	793-8
3413	3/22	Inspr GE	Pilitrom tubew requ shipping instructions covg 1067 in otder to releive GE Shipping Dept W	629
405152	3-25	To Bureau Standards	Fwds copy of report on Tube Conference of January 14, 1919- To Bureau Standards- Asks be present conference conference Monday A pril 7th 3-25 To Washn- reqst rep of radio test shop be present conf April 7th 3-26 To War Dept- re conference, reqst rep 3-26 War Dept 3:28	
405323	3-25	To Mare Is	Advises re shipment reqstd to MI material as listed-	
405154	3-25	To S&A	Req shipment from Norfolk to Boston, radio rec equipment, W Received back 4:15	
405157	3-26	To Boston	Advises has reqstd SO Norf to ship radio set for destroyer 90- ma erial for disp Boston, replace material borrowed from Porter reqst steps be taken to replace amplifier taken frm Porter- To Norfolk- author S o to supply rec returned from C Henry also info re action taken to expedite shipment 3-29	

Boston-Asks disposition to make.
5:17 To Boston- reqst audion control box recd at Bos be shipt to Wash for disp 5-24

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
403526	None	War Dept	Notice on frequency amplifier, sub. To Nav Yd 3-20 fwds notes on-	W
403053 see card 214				
375414 From Card 189	3;17	Wash	Report of test of effect on ship comp of arc transm. Wash-Fwds curve of arc transm. 9;27 To Washn. work completed 8/18,	W
403694	3-20	To War Dept	Fwds cpy of report on vacuum tubes; To Nav Yd 3-20 To Bu Stands 3-20 War Dept-Asks name of engr who will rep Navy Dept. 3;28 To Dept C. Signal Off- fwd cy of minutes 4-14 To War Dept-Fwds report on Adv Com- 5;1	
403619	3;15	Boston	Conf tel conv ask for instruc book for 5 kw arc transm avail for issue. To Boston- fwds 5 copies of booklet 3-26	W
403935	3;15	New Orleans	Radio receiver rec without detectors. Fwd Navy Yd 3-20 requ be shpd immediately To Wash 3-20 RB 28 Fwd New Orleans 3-29	W

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Number.	Date.	From or To—	Subject.	
404479	3;20	Fed Tel Co	Fwds photo and prints of relay key.	W
401244	3-14	To Mare Is Tel	Reqst complete vandyke plans of Mare Is radio arc antenna as at present in use	
316596	3-14	To Phila Tel	Advises status mfg three hundred protective relays job order two one five four naught Is urgently requires forty five for destroyer installat/ions period reqst del dates	M are 919
403970	3-21	To S&A	Asks report of receipts and issues of radio radio material forms 307 and 307E-	
403971	3-21	To S&A	Req shipment from Washn to NY short wave radio receiver type SE 1012 contract 36124 S perry Co- RB 11/1	
		To NY- author installn 4-4 To S&A canc SO 3/21 10/24 To S&A req canc of Snipt order of 3/21 11/5 R B 11-28	To NY- reqst data re 3-22 T o S&A req ship from S Brook to Washn radio receiv 3-21 To S&A can SO 3-21 4-3	
404008	3-21	To Westinghouse Co	Suggests submit for test unit or units capable of charging lead cells of capacities listed- asks re action taken- Westinghouse E & M Co - 7;23 fwd Washn 7/29	
404023	3-21	To Boston	Recommends reqst re shipment of radio room panels- Received back 4;7 W To Phila ditto- 3-2 To New York 4;21	
4 04551	3-22	To Phila Phone	Asks if recd tel, re del of 3 00 protective relays job order 21540 Ml- etc	

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
393666	Fwd from Card 203 To Sec-Confidential battle ship equip. 5;3 RB 5;8		Wireless Spec Co-Tel- Sub bid. Lowenstein-Mr Lowenstein will call at offic 3:21 To National Elec Supply Co 3-20 requ representati call re radio apparatus W To Firms- reqst rep call 3-20 Fed Tel Co-Sub computation cost. 3;26 Genl Radio Co-Sub quotations. 3;25 D L Moore-Tel-States that quotations were mailed by spec deliv on 26th. 3;28 ~~To Inspr Mil 2-26 RB 3;28~~ Lowenstein Radio Co-Sub bid. 3;26 Manhattan Elec Sup Co- 3;27 Wireless Improvement Co-Fwds bids for radio app. 3;28 Tel ~~To Firms reqst sub estimate 3-27~~ Genl Radio Co-Tel-Estimate sent 3;25. 3;27 W Fed Tel Co-Quotations mailed from NY. Tel 3;28 Natl Elec Sup-Sub quotations. W 3;29 Wireless Imp Co-Sub bid. W 3;28 To Wireless Imp Co Tel 3-26	
402192 see	228			
402869	3/12	C. D. Ehret	Fwds drawing of patent application showing thermionic tubes for producing oscillatio n whose energy is derived from an A C generator - ask if Bu. interested in acquiring - W To—— requ detls 3-19	
401249	3-12	To S&A	R eq shipment from NY to Washn 4 audion control boxes-	
401457	3-12	To NY Tel	Radio receiving equip for SACRAMENTO DES MOINES and EAGLES one comma two and three expressed from Washn Yard March 11the lading one two six one zero- W	

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Number.	Date.	From or To—	Subject.	
401461	3-13	To New Orleans	Reqst info re number of radio transmitters on contract 2411, in stock	
401470	3-13	To S&A	Req shipment from Washn to N London vacuum tubes, for Submarine Base	
401474	3-13	To Operations	Recommends new numbers for destroyers, from classes listed- re installn equipment w 5KW radio arc transmitters- fwd Operations 3-22 RB 3;27	
401475 see 212				
401483	3-13	To Norfolk	Info reqstd motor generators type 1/2KW CB-223 at Norfolk, also 5KW type 223	
401990	3-13	To NY	Reqst tests be made, re spark transmitter mfg by Lowenstein Co- NY-Reports on successful test of transm set. W 6;9 New York 9-12 Fwds report	
402732	3;14	Deforest Co	Tentitive drawings of 1/4 kw set sub, req comments on.	W
402680 TO CARD #259.	3;13	American RR Corp American R R Corp-Offers assistance in test of modulator. 4;10 fwd Washn 4-16 RB 5;1 American RR Corp-Mod not yet rec. 6;7 To---Modulator shipt to you 6/14- 6/17	Req Bu test new instruments, fwd to Wash Test shop for use in rec cont oscillation called "Modulation" To Am R & R Corpn 3-20 modulator to be tested and report to be fwd - To Wash 3-19 fwds rpr tests To American R & R Corpn- fwds report 5-17	

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RECEIVING AND SENDING 1919 209

Number.	Date.	From or To—	Subject.
401059	3-10	To Comdt., Boston 875	Confirms phone conversation, measurements as listed made on ships' antennas at Boston- reqst data be confirmed- Boston 3;14
401307	3;10	Wash	Fwds report of test of vacuum tube. W To Washn- comments re 3-25 Washington Yrd-Renews recs of vacuum tube inspec at factory. W 4;2 To Washn- comments re inspec of vacuum tubes , differences of opinion will be settled by test of 4-16
400069	3-4	Wireless Spec. App. Co.	Asks conditions under which 5 KW spark transmitters manfd by Marconi and Lowenstein Co's are tested at N Y Yd - W
400036	3-5	Phila	Rotary spark gaps Quenched gap for Navy use- comments on- W
401058	3-11	To Phila 652	Fwds transformer and one spark gap comprsiing parts of type 9 British Intra Fleet Radio Transmitter W
401242	3-11	To NY 400	Reqst info re switches being supplied under existing contracts for std N avy spark transmitters for independ control of rotary spark gap motors- To Bos dit o 3-11 New York 3;15

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[OVER.]

Number.	Date.	From or To—	Subject.	
399454	3/4	Atl Flt	Regu 24 Dubilier transmitting condenser for inter fleet sets and amplifoers be shipped for issue to fleet W	493
401068	3-11	To S&A	Reqst shipment from Washn to NY radio receivers 3-1 Received back 4;3	
401240	3-11	To S&A	Reqs shipment from Washn to NY two audion control boxes contract 39641 with Western Elec Co	
401243	3-12	To Commander-in-Chief U. S. Fleet	Fwds 8 copies of instruction booklet- USS FLEET-Copy of let to Battle Ship Force 2 fwd instruc booklets. 4;8	
401244	3;17	MI	Fwds vandykes.	
401756	3;11	New York	Fwds vandykes.	W
403409	3-18	To DeForest Tele & Tele Co.	Submits information re vacuum tube apparatus.	
401461	3;19	New Orleans	(Old Number)	

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Number.	Date.	From or To—	Subject.	
399239	3-5	To Liberty Elec Corpn	Gives name plate data for Model "L" 1/2 KW emergency transmitter mfg by you- To American Rad and Re Co ditto 3-5 Liberty Elec Corp-Fwds prints showing front panel assembly. 3;14	
400554	To be changed to 736-4		Aviation tel head sets and charge to.	L
400210	None	N Baldwin	Asks if Bu will buy only radio tel en-cased within metal shells. To---3-19 requ fwd, samples	W
400244	3;6	West Elec Co Tel	Will send sample key 3;8	
400491	3;7	Fed Co Tel	Req official test of 2 kw arc radio merchant set be ord. To MI Tel 3-11 To Fed Co Tel 3-11	W
400492	3;7	Carnegie Inst	Req Marconi Co be authroized to sup two-step ammeter amplifier. To R.S.Sosman 3-17 To Marconi Co. 3-17 No objections to pprchasing apparatus.	W

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Number.	Date.	From or To—	Subject.	
400554	3;7	Magnavox Co T	Asks if transm left at Bu some time ago have proven sat and if they are the ones spec to GE Co.	W
399493	3-8	To Bureau Standards	Asks investigation of Weston instrument and Bu advised re errors-	
400171	3-7	To Liberty Elec Corpn	Advises transmitters of you mfg have successfully passed all acceptance tests--	
4004 07	3-7	To NY	Reqst report be made re apparatus installed on vessels listed NY-Describes instal of app on EAGLE # 1, 2,3 4;15 Cross to 2-Z-6 NY-Instal of radio tel comp Sacramento, 4th. 4;25	
400411	3-8	To Siasconsett Sta	Fwds insruction booklet-	
400408	3-8	To S&A	Reqst shipment from Washn to NY radio telg material Received back 4;22 To NY asks acknow receipt 4-14	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
398346	2;25	Ph	Sub inf as to disp of audion cont box.	W
398600	2;26	Cutting & Wash	Asks report on test of set. To- extracts from report-3-10	W
398605	2;28	Bu Stand	Spec for power tube, fwds com and recs in con with conf held 2;20	W
398769	2;28	S J Weiss	Improvement in valve system, sub sketch with report. To- acknow receipt 3-10	W
398772	2;27	Tel Elec Co	Barrage rec available for instal at Ottercliff.	
398803	3-5	To Inspr Pitts	Reqst furnish Ohio Brass Co with Bl re shipment by freight are set complete to NY sometime prior April 1st-	

RECEIVING AND SENDING

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Number.	Date.	From or To—	Subject.
397227	2-28	To Comdt Washn	Fwds copy of report on N avy receivers made by LEONIDAS at reqst of letter of Oct 15th 1918-
397413	2-28	To S&A	Reqst shipment from Washn to European Forces two pair Baldwin radio head telphones To European Forces T 2-28
359827	3-4	To Newport Radio	Reqst acknow receipt of radio a pparatus shipt to Newport, reqst of Oct 12th to SO NY-
399235	3-4	To Inspr Union Iron Works 123-0-6	Fwds drawing show ng arrangement of radi apparatus in radio rooms of Subs S-31 to S-35 inclusive-
399289	3-1	Signal Corps	Fwds copy of ltr from American Expeditionary Force in conn w new form of high frequency amplifier developed by Capt Armstrong, Research Div Signal Corps - To War Dept 3-15 Request be informend whn apparatus is available.
399808	2-21 3-4	Harvard Radio School Communications	Troubles and defects with arc sets- fwds prints showing - W To CAMBRIDGE - acknow receipt of trouble sheets- 3-8 To Mass 3-14 received back 4-1

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
397873	2;17	MI	Brit Navy vacuum tube fwd.	W
397850	2;25	E J Simon Co	Req fwd cov cost of mod airplane set deliv to Bu. E J Simon- Req reply to letter of 2;25 4;5 E J Simon - 4;14	
397907	2;24	Deforest Co	Fwds drawings cov 1/4 kw capnel set.	W
397941	2;21	Fleet Sup Base	Asks if Bu still desires 2 1/2 kw transm fwd. fwd Brooklyn 3-7	W
397675	2;24	Deforest Co	Req copy of spec cov vacuum tubes.	W

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RECV AND SEND

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Number.	Date.	From or To—	Subject.	
396924	2-25	To S&A	Reqst shipment from Washn to NY five audion control boxes type SE1071 contract 39641 with Western Elec Co-	
396925	2-25	To S&A	Reqst shipment from Washn to PMila four medium wave radio receivers type SE1220 contract 38271 with Wireless Spec Co- To Phila- asks acknow receipt 4-9	
39640 8	2/20	To 9th All Nav Distr	Desired that smaller size transmitters a accumulate in stack.	771-2
397798	2/24	Annapolis	Finds sample that will be used on arc relay keys at Sta recs similar on fleet station ready 3/15 for high speed sending To Bu Standards-Fwds metal bearing trade name of PLATINOID-reqat analysis 2/26	920-1
398150	2;24	Crocker Wheeler Co	Asks Bu assistance in locating Eng radio tube sent to Dr Wheeler by Eng Gov. To European Forces- reqst info re ship 2 2-28 Sims-Copy 7483-Valves fwd 6;29;18	3;20

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Rec. & Send.

Number.	Date.	From or To—	Subject.	
395619	2/19	To Cø. 4th Nav. Dist.	Reqst. that report be made to B. showing what material installed. To—Reqst. shipt. of boxes from Wash. D.C. to Phila. for Nav. Yd. 2/19 Ph—Sub report on ships listed. 3;22 T o Phila- asks report be made 3-29 Phila 4;2	
397045	2;18	Wireless Imp Co	Req West Elec Co be authorized to release vacuum tube experimental work. To Western Elec C - o- fwds let or approving reqst to purchase two receiving vacuum tubes for expr work in their laboratories 2-26 To Wireless Co re above 2-26	W
397227	1;25	Sub Base Garfu	Sub report on rec instal on gen.	W
397413	2;24	Sims Copy 6200	Req fwd radio head rec at once.	W
397545	2;15	Liberty Elec Co	Asks if dept will grant license to build transm of all sizes under rights obtained by it by Fed Tel Co.	

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Number.	Date.	From or To—	Subject.	
39850	2/21	GE	Gives increase in cost for modifying transmitter for lengths of 238 and 600 meters W	629
35316	2/19	To USS Ship Bd Cleve	Requ report # of radio vacuum tubes not required at Ford Motor Co for Eagle Bt radio telephone instaklation W-S	629
396309	2/20	To S&A	Reqst. shipt. of material from Wash. to & for Naval Observ.	
396963	2/19	To Chief. Sig. Of.	Reqst. that transmitter be shipped to Wash.	
392072	2/24	To Wash.	Reqst. reply to ref. (a)	
396911	2/24	To S&A.	Reqst. shipt. of material from Wash. to San Domingo for Mil. Gov.	

RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
393323	2-14	To Comdt Wash.	Bur having 1 American radio transmitter, buzzer type delvd to Wash Yd for test- W Washington 6/13 To Washn- req has been prepared 6-20 ~~To Washn-~~ Wash - fwds special report-12/12	
394473	2-13	To S&A	Rqst shpmt from Wash to Chief Signal Officer USA Wash - 1 audion control box, 2 variable condensers - W	
394608	2-14	To Lowenstein Radio Co.	Bur arranging to have nec facilities available at NY Yd about 2/25 to test new Navy Standard 1/2 kW set being constructed by you. W	
64 394611	2-14	To Comdt Wash	Re test on sample trench buzzer set manfd by Marconi Co- W To Washn- reqst buzzer be returned to Wireless Co- 3-11	
394825	2-14	To 1st Dist	Re radio apparatus for Destroyers 133 and 251- Will be equipt with 5-KW 120 volt radio arc transmitters instead of 5-KW 120 volt spark transmitters- W To Comdt Boston, SO Boston and Inspectors- Ditto- 2/14	
395050	2;13	Wireless Imp Co	Req list of material cov rec parts etc. be furnished with spec drawings etc. W To---States that B. will issue requis. and drawings covering material. 2/20	

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Number.	Date.	From or To—	Subject.	
394612	2-15 To Phila-	To Wireless Spec. Appl Co. fwds curves 3-25	Fwdg copy of report of conference at BU SE 1/10 to determine and arrange specfns for all types of transmitting condensers employed in Naval Service- Rqst comments- ~~2/15~~ W To Dubilier Condenser Co- Ditto- 2/15 Dubilier Cond Co -Spec not rec. Tel 2;17 To---States that specifications will be fwd. 2/20 Dub Cond Co-Req fwd spec. 2;18 Phila-Req reply to endorsemrnt 1;29 2;21 Wireless Spec Apparatus Co-Minutes of meet not rec. 2;21 Tel	
394830	2-15	To 5th District	Bur assigns 5-KW spark radio transmitting set to NPN S&D Co for Destroyer 183- W	
395141	2-17	To S&A	Rqst shpmt from Boston to Wash Yd 200 Morse Telegraph Keys- W	
395415	2;14	Craft High Tension Lab	Req have GE Co ship tubes for use in experimental work. To GE- reqst arrange D. Charfee may receive pliotrons in question 2-28 To Dr C- fwds letter for info 2-28 To G.E. Co. 3-18	
395526	2;13	Wireless Spec Apparatus Co	Req photoes or instruc books cov 5 kw radio transm deliv to Brook. To---States that negatives & instruct. were destroyed in fire. 2/20	W
396174	2;17	Bu Stand	Standardization of vacuum tubes used for transm, report of conference.	

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
393311	2-10	To S&A	Rqst shpmt from Wash to N Y Long wave radio recvrs, amplifiers, etc. for stock. W To Norf- reqst turn in store Norf for stock and further issue 10/1	
393312	2-10	To S&A	Rqst shpmt from Wash to Phila Long wave radio recvrs, audion control boxes, amplifiers, etc. for stock. W	
393315	2-10	To S&A	Rqst shpmt from Wash to Norf 5 two-step radio amplifiers, for stock. W RB 5;28	
393322	2-10	To S&A	Rqst shpmt from Wash to Charleston long wave radio recvrs, audion control boxes, etc., for stock. W RB 5;29	
394203	1;25	Mine Force	Direct motor buzzer set be considered part of instal, if removed directs remove condenser for.	W
332796	2/11	To Cmmdt Forces Eurpoean Waters	Advises re difficulities mentioned in letter Jan 11th & Jan 18 re failure in wax composition i base of vacum tubes	690
393666 To Card 210	2-12	To Secy of the Navy Dub Cond Co-Quotes prices for cond. Cross to 882 - 1 Wireless Spec Co-Sub bids cov cond. system. Tel 3;10 Dubilier Cond Co 3/5 Representative will call on Bur with sample condensers-	(Wireless Spec App Co-Sub bid. 3;10) Re purchase of Battleship Receiver Equipment- Rqst authority for- W To Westinghouse- asks rep call 2-28 To GE ditto To Dubilier Co- asks rep call 2-28 To Wireless C itto 2-28 To N atl Co di to 2-28 To Sperry ditto 2-28 To Wireless Imp Cod tito 2-2 Wireless Spec. App. Co. 3-4 (T) Representative will be in Wash 3/5-	

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Number.	Date.	From or To—	Subject.	
394081	2-12	To S&A	Rqst shpmt from Wash to Montoloking 1 short Wave Receiver- W	
394496	2;10	Marconi Co	Asks if agree to send rep to radio test shop Washington to make mod for receivers. W	
393921	2-13 West Elec Co-Introduction for Dr Wilson and G H Stephenson. 3;19	To Bur Standards	Fwdg minutes of the transmitting valve conference held at Bur 1-20- Rqst review and advise of any errors or omissions- W To Firms, Signal Corps, Wash. - Ditto- 2/14 ~~Nav Req action.~~ West Elec Co-Sub comments on minutes of vacuum tube conf. 2;18	
394476	2/13	To C&R Class 111,125, 127,133,134,140,141,155,156 171,183,186,187,251,252,268,296	Installation of 5 kw arc transmitters in main radio roompelimination of lower pipe berth W	115-Q-8
368675	2-14 From Card 183	To Westinghouse E & M Co.	Bur pleased to note you are in position to develop a high voltage dynamotor set- W Development has been postponed for present-	
393303	2-13	To Mare Isl (T)	Lists destroyers to receive 5 KW arc transmitters- W MI-Quotes their despatch of 2;14 in order to start work on radio room . 2;26	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
393156	2;7	Washington	Fwds description of vacuum tube for Navy service.	
393250	2-6	Washington	Fwds copy of latest publication on vacuum tubes - W	
392923	2/3	Canadial Naval Service	Requ assistance in obtaining GE large pliotron W.	793-8
393774	2;10	West Elec Co	Submits minutes of of 2nd Tube Conf with corrections.	W
393855	1;28 2;10	J T Moore Direct Com	New type of vacuum tube. To- asks info re progress be fwd 3-25	
392593	2-8	To Comdt Norf.	Lists info recd from GE Co covg dimensions of starter panels being furnished as part of 30 K.W. arc equipment for installation at Norf. "	
393018	2-8	To Inspr Mchy NPNS&DD CO	5 KW radio transmitters shipt from N Y- "	
392017	2;7;19	To Washington	R B 3;3	

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Number.	Date.	From or To—	Subject.
393028	2-10.	To Comdt Wash.	Type 31 fire control radio set being transf to Wash Yd from USS WYOMING for spec tests- W To Washn- reqst investigation of 4-23 Washington-Report of test of fire cont set. 5;3 W
393303	2-8	To Mare Isl (T)	Desire install 1 5 KW radio arc transmitting set on each of 10 destroyers bldg at Union Iron Works. 2-8 MI-Tel-Status report. 2;12 To MI T 2-25 To MI T 2-28
393304	2-10	To S&A	Rqst shpmt from Wash to BUFFALO 1 medium wave radio recvr type SE-1220- W
393305	2-10 upon rece of 4-4 9th Dist 4;23	To S&A	Rqst shpmt from Wash to Cleveland 1 med wave rad recvr type SE-1220 - W 9th Dist - 3;29 To Comd ts- reqst receipt of forms be executed Shipment order of 2;10 RB 4;23
393306	2-10	To S&A	Rqst shpmt from Wash to Mainstique 1 med wave rad recvr type SE-1220 - W RB 5;9 9th Dist 5;19
393307	2-10	To Ind Mgr N Y	Rqst 3 vanykes and six blprts of drawings showing alterations and wiring nec to place 2 KW Kilbourne & Clark transmitters in sat operation, be fwd. W NY-Fwds drawings- 2;25 To Norfo- asks changes be made 3-6
393310	2-10	To S&A	Rqst shpmt from Wash to Boston Long wave rad recvrs, audion control boxes, etc. W
184 SE	2-12	To Marconi Co	Gives specifications under transmitters are being purchased. W-R

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
390505	2-1	To Western Electric Co-	Will inform of status of 3 radio phone sets on battleships listed when info available 2-1 W	
389603	4;9	SOL	Fwds bill of Vreeland Apparatus Co.	
391456	2;3	Ordnance	Fwds letter from Behr req descrip prints, etc. cov various radio apparatus. To Col. F J Behr USA-Fwds drawings covg above. 2-8 To Comdt Wash-Fwd data listed to Behr. 2-8	
388138	2-3	To De Forest Radio Co -	Fwds drawing showing overall dimensions of transmitting vacuum tube	W
391742	2-3	To Phila	Asks action to show on Phila inventory card system all radio material now held at Phila	W
391826 see 846				
391571	2;3	1st Dist	Auxiliary hand key, fwds drawings showing alterations to. To Boston- reqst sample be fwd to Bu upon completin of test 3-27	W
392072	2;5	Dept	Fwds leaflet F B Perry & Sons cov price of sets, asks reason of dif in invoice prices and leaflet prices. Fwd SO Wash 2-7 fwd W ashn 3-8 To Operations 3-15	W

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Number.	Date.	From or To—	Subject.	
391498	2/5 26	To S&A	Reqst. shipt. of transmitter from NY to Wash. for Navy Yd. To Washn reqst acknow receipt 3-6 R B 3;14	
392762	2-5	Signal Corp	Fwds sketch for vacuum tubes requ comments on modification of base and socket W To Chief Signal off 3-19 re socket requ detls W War Dept 3-21 Not necessary to socket	
391704	2/5	To C./USS Naval Forces European Waters	(T) Reqst. two latest modle Tee four valves be obtained Advise shipping date. To COMDR EUROPEAN WATERS- T 2-6 European Forces-Valves fwd to Bureau. 3;12 To European Force-Will repair broken valve deliv. 5;1	
392344	2;5	Washington	Acceptance test of receiver built by Marconi Co, submits report cov.	W
392726	2-5	New Yrk	Requ auth to purchase spare parts from E J Simon for radio transmitter EX 0-13 inst in Chaser 421 W	
392796	1-18	European Forces	Submits report of use of Andiron pumps W	
393089	2;4	Marconi Co	Fwds copy of corrected diagram which will be used for instruc books. Fwd Comdt Wash., 2-10	

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RECEIVING AND SENDING 1919

Number.	Date.	From or To—	Subject.	
388127	1-27	To S&A	Reqts shipmt from NY to GL- 15 1/2 KW radio transmitting sets R B 9-8 To S O NY- Rqst expedite shpmt of 5 of above sets- 2/11 NY-Transm sets due under cont ~~of~~ not available for ship. W 2;18	W
388130	1-25	To S&A	Reqts shipmt from NY to Mantoloking NJ 1 Delco battery charging unit To S&A Reqts shipmt from NY to Montoloking be cancelled 2-3	W
388131	2;21	To West E & M Co	Instruc to Ensign Speaker to visit plant. W ~~To Edison Lamp Works~~ To GE-Instruc to Ensign Speaker to visit plant. 2;21	
389748	1;28	American RR Corp	Are position to place several thousand sets for life boats at disposal at once. W To---Informed that the demand for life boat radio transmitting apparatus has been reduced by the termination of war conditions that Dept. is no longer interested in equip. 2/6	
389749	1;28 American RR ~~Corp~~- 2;20	American RR Corp	Sub infor re-complete lab built in con with vacuum tubes, transm and receivers, req be considered in future. To---Rqst to attend conferences cannot be granted. Specfns are being prepared covg requirements and copies will be fwd. 2-7	
324755	SEE CARD 192		To ~~XXXXX~~ NY and Phila-7th pole on motor generator transfer switches will be eliminated on transfer switches with spark transmitters W To Cutler Hammer Co-Industrial Control Co-Auth to construct motor starter transfer switches with six poles only 1-30 Walker Bros & Haveland-Fwds prints showing con. 2;13 To Indus Co- satis to Bu 3-27	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
351310	CARD 170		To NY- Change in gasket dimensions for 1 and 2 KW standard gap units authorized New York 2-5 prints showing modifications for one KW gap unit To Phila 3-15 No shipts other than complete sets to be made in future.	W
389854	1;28	Lowenstein Co	Fwds vandykes showing corrected instruc on 5 kw gap holder.	
389793	1;25	Marconi Co	Fwds copy of instruc to all company superintendents in con with cooperation with navy in every way possible.	W
388128	1-29	To S&A	Reqts shipmt from Wash to GL- 15 medium wave radio receivers	W
388124	1-30	To S&A	Reqts shipmt from Boston to Am Radio and Research Co- 1 1/4KW radio emergency transmitter To Boston- fwds copy of letter 3-5th 3-14	W
390076	2-1	To S&A	Reqts shipmt from Wash to PENNSYLVANIA 6 interfleet radio break keys To PENNSYLVANIA- (T)Informs of above for battle ships 1-31 To CO Battleships -Fwds instructions booklet 2-3 To Phila- fwds 10 copies of instruc book 4-17 To Phila-Fwds copy of booklets. 4;29	W

To---States that encl. (A) is fwd. for assistance in the operation & installation transmitters. 2/4
To---States that Navy. Yd. Wash. has fwd. ships break keys for use with interfleet radio transmitters. 2/4 RB 8/4 W
To N.Y. asks if matr'l recd 4-29

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RECEIVING AND SENDING

Number	Date.	From or To—	Subject.	
387204	1-23	To Bu Standards	To- req fwd dup copies of report 9/6 Asks test made on British class T vacuum tube Bu Stand - 3;19 Bu Stand-Report of progress. 5;5 Bu Stand-Fwds report on progress of test of powr tubes. W 3;21 Bu Stand-Sup infor re future prop set. 6;12 To Bu Standards- acknow rec of 3-21- 3-25 BU STAND-Summary report of test power tubes. W 4;11 Bu Stand-Fwds 2nd sup open rep. 5;17 To Bu Std- ackn letter of 5-17 5-23 Bu Stand 8;5-Fwds rep of test with prints on tubes.	W
387444	1-22	To S&A	Reqts shipmt from NY to Bath Iron Works Radio phones-storage batteries-charging panels To Bath Works- reqst acknow receipt of shipt made 2-15 3-25	W
387703	1-23	To N Lon	Auth N Lon to draw from stock for exp work of Subs 1 short wave radio receiver	W
388125	1-24	To S&A	Reqts shipmt from NY- to Pg Sd- 15 radio transmitting sets R B 4;1	W
388524	1;24	International R T Co	Are using elec motor for set.	
388711	1;17	Manhattan Elec Sup Co	Req drawings of amplifiers as standardized by Navy. To--- Drawings forwarded by Wash Yd 1-31 Manhattan Elec Supply Co 3/3 To Manhattan- F wds addtl copies of draw 3-10 fwd Washn 3-26 To Manhatta has fwd drawings 4-11	W

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
388734	None	Bu Standard	Test of vibration on vacuum sending tubes, comments on sat method.	W
389028	1;21	Richard Pfund	Asks if bureau interested in purchasing patent cov quenchee spark gap, fwds copy of. W To--- Not to change unless would be a very large advantage 1-27	
389126	1-24	To S&A	Reqst shipment from Washn DC to Puget Sound fifteen mediu wave radio receivers type SE 1220 contract 38271, Wireless Spec Co- RE 6;12	
389375	1;25	Wireless Spec Ap Co	Sub report of progress of work on waive receiver. To ------ comments on above 2-3 To---States that communications requiring the attention of Lt. Eaton should be addressed to Radio Test Shop. Wash. 2/4 Fwd. Wash. 2/5	W W.
389334	1;27	Natl Dist Tel Co	Reaq authority to purchase audion for experimental purposes from Deforest Co. To DeForest Co-Fwdg copy of communication to Natl Dist Tel Co authorizing purchase of vacuum tubes- 2/11 To---Authorizes purchase of. 2/11	W

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
387217	1;20	West Elec Co	Req instruc in con with acceptance of resistance for audion valve control box which vary in lengths, mfg by GE Co. Fwd Wash 1-24 To GE.Co-The Western Elec Co have been instructed to reject all tubes not of uniform length. 2-8	
385861	1-18	To Bureau Standards	Confirms telephone instructions re turning tube over to Dr. Miller for test- W	
385879	1-18	To Bureau Standrds	Suggests secure GE 250 watt P tube for test, re vacuum tubes-	
385846	1/18	To Phila	S&A Request shipment of Radio apparratus as listed. Received back 1;22	W
385888	1/18	To LakeCo Bridgeport Conn	Audio control boxes detatector stands and ampliflers instruction books for H twenty one to twenty seven inclusive expressed from Navy Yard Wash Jan 17 lading ten eight four one.	W
386487	1/20	To Wash Md	S&A:Request shipment of raio apparratus as listed.	W
388489	1/20	To Phila	S&A: Request shipment of radio apparratus as listed.	W

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
386495	1/20	To Cutting & Wash	Bu request to informed asrto reason for desire W for info about short wwavr receiver Type SE 143 To West Elec Co. Gives assignments of parts and request numbers be stamped. 1/20 Cutting & Washington-1;22 Western Electric Co. 2-7 To Western Electric Co-States Gummed Sticker should bear name of part as well as type number-2/12 West Elec Co- Rel to type number assigned. 3;11	
387657	1;21	Boston	Req special allotment in con with test mica condenser at lab. of $260. W To Comdt Boston-Rqst Bur be provided with set of drawings illustrating above. 2-4	
42414	1/15	Memo	Verbal conversn with rep from FecTel Co in connection with 2KW arc radio transmitter States not yet satisfactory but expects to correct faults in 30 days faults not of nature to stop production W	629
387945	1;22	Deforest Co	Devel of high power tube for alternating work, req early delivery of one kw DC motor. W	
388087	1;22	G E Co	Tubes for KC Co, sub quotations cov and req bureau purchase same for said Co, To---Bur not interested in purchase- 2/11	W

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
385232	1-15	To GE	Fwds minutes of transmitting valve conference held 11-8th	W
385233	1-15	To Western Elec Co -	Fwds minites of transmittinf valve conference held 11-8th	W
385234	1-16	To Wash Yd	Fwds minutes of transmitting valve conference held 11-8th	W
385235	1-16	To Marconi Co	Fwds revised copy of transmitting valve conference held 11-8th	W
385237	1-15	To Dublier Condenser Co -	Suggests that they take up question of 2 KW transmitter of commercial design with Marconi Co.	W
385246	1-16	To S&A	Reqts shipmt to Simon Co NY from Wash 1 1/2 KW Radio transmitting set E J Simon Co-Req fwd copy test report.	W 1;21
385675	1-16	Memo for Dept	Gives reason for specifying a standard design for transmitters-RE bid of E. J. Simon	C

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RECEIVING & SENDING: 1919

Number.	Date.	From or To—	Subject.	
386214	1;16	American RR Corp	Spec cov mfg instruc 1/2 kw emergency set, asks if should call for national elec code fuses instead National Elec Co elec fuses.	
386435	1;15	Cutting & Washington	Sub comments on dif experienced with radio transm. W	
28770	1/16	NY	10 KW Transmitter spark gaps submitted by Lowenstein Co satisfactory Marconi'S returned	629
386572	1;10	None	Copy of letter to radio test shop Washington fwds prints of receiver connected to cont box. W	
386730	1;16	Phila	Conf tel conv rel to instal of 10,000 meter rec for Cummings approved. W	

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RECEIVING & SENDING: 1919

Number.	Date.	From or To—	Subject.	
385197	1;13	Elec Cont Co	Automatic starter req, req copy of bureau's spec. W	
385199	1;2	USS TEXAS	Fwds report on operation of radio rec on board. W To Wash Yd. Report on operation of radio receivers enclosed copy. 1/20	
357010	SEE CARD	175	To Wash- Fwds copy report Standard receivers operation of from Sims Mine Force- Fwds report 3;11 CO TANOPAH- 3;7 To Washn- Fwds' reports 4-1	W
384121	1-13	To Phila	Fwds 2 vandykes of primary inductance for radio spark transmitters	W
384122	1-13	To Lowenstein	Fwds bprint of M Is report showing test and inspection of Marconi panel transmitters	W
384753	1-13	To 5th Dist	Asks if working model of rotary driven relay key for 30 KW arc radio equipmt available Norf - Sample rotary key available. 1;22	W
384756	1-14	To 12th Dist	Reqts that M Is manf and ship 6 key units to Guam on small panel 12th Dist-Sperry sets of keys shipped 11;18 1;23	W

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
385292	1;10	Sig Corps	Fwds copy of radio pamphlet entitled "Radio Tel Transm Sets" W	
384611	6;4	Washington	Report of tests buzzer transm.	W
385517	1;13	Atl Fleet	Gives disposition req of interfleet transm. To Atl Fleet- Suggests 80 volt Battleships be equipt with 1/4 kw pack sets- Rqst rec be fwd re- 2/18 R B 3;8	W
385609	1;11	J F Tilton	Asks where can secure copy of wireless rec set. To Simpson College-Gives infor as to where sig corps amplifier may be purchased. 1;18	
33292	1/14	N. Y.	Standard Navy 1/2 KW gap holder-modifications to - fwds prints W.	629
384758	1-15	To International Radio	Tel Co- Fwds specfs and drawings of 2 K W spark transmitters	W
385228	1-15	T. GE	Demand for receiving tubes will not start until January 1920 -type CG890	W

RECEIVING & SENDING 1910

Number.	Date.	From or To—	Subject.
383475	1;6	Annapolis	Hand and high speed keys at Norfolk to be shipped to Annapolis for experimental purposes, fwds prints. W
383132	1-8	To Phila	Reqts that thickness of brass lug terminals of primary inductance fittings for radio transmitters be increased W
383739	1;8	Wireless Improvement Co	Asks if bureau will authorize Fed Tel Co furnish set drawings cov 2 kw arc developed by that company. W To Wireless Imp Co- In ref to drawings which may be furnished. 1;18
5068	1/8	GE Co.	Radio compass amplifiers. Rqst confirmation of three samples to be submrtted to Bu before production begins. W. 629
383795	1;8	Radio Lamp Corp	Req be favored with report of test cov Myer radio tubes. W
383834	1;8	Westinghouse E & M Co	Req set of drawings for short waive rec. W
383971	12;30 1;8	Cost Inspr - West E L Co S&A	In con with dispoal of defective vacuum tubes listed, req instruc. W

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
383135	1/9	To Phila 882-1	You are advised the Dublier Co ha fwded 3 type SE-3536 transmitting condensers to points as listed. W
			To S&A - Rqst shpmt from USS NEW MEXICO to SO Phila radio relay key- 2/10
309816	1/9	To 1st Nav Dist	S&A 3-22 Fwds copy of correspondence. Fwds 1st nav Dist W.
324755	1/9	To Comms. 900	Rqstd that recommendations be submitted as to advisability of eliminating 7th pole from motor generator transmfer switch. W
384680	1;11	S&A	Memo of phone conv with Phila rel to ship of transm sets to NY for vessels listed. W
384800	1;11	Canadian Laco Philips Co	Req authority to secure transm and detec. lamps for experimental work in Holland.
			Canadian Laco Philips Co-Req action. 1;29
			To- advises has no objecti n to purchase of re letr Jan 29th 2-5
			To- has no object to puchasing 3-7
385195	1;10	Marconi Co	Type CM 294 C rec, fwds vandykes and photoes.

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RECEIVING AND SE NDING

Number.	Date.	From or To—	Subject.	
382182	1-4	To E.J.Simon	In re re-organization- asks what action this has on variouse radio transmitters being manufactured by them for Navy E J Simon-States that company has retained staf og engrs. W 1;9	W
382185	1-4	To Lowenstein Radio Co	- Returns radio app as listed-loaned to Bu	W
382660	12;27	MI	Fwds prints and special report on test of Marconi Co Transm. W	
382624	1;4	Western Elec Co	Transm received and amplifier shipped 7th rec. and signed for by gov rep. W	
382804	1;3	Wireless Imp Co	Fwds blue prints instructions and install. book for one kw spark transm equip. W To---- Ack receipt of above 1-16	
383120	1/9	To Wash	Fwds rprt and description of long wave mtr manf by Navy Yd Mare is for Rad Sta at Vladivostok. W	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
316985	SEE CARD 148		To S&A Reqts shipmt reqt from Wash to Brest under date of 8-26th for amplifiers be cancelled	W
382818	1-4	To NY (T)	For supply Officer 50 pr Baldwin Radio Head P Phones expressed you from Wash Yd 1-3 b/L 10470 To NY (T) For SO 50 pair Baldwin Radio Head phones expressed you from Wash 1-3 1-4	
383032	1;6	E J Simon Co	Req direct radio transm fwd to bureau Oct 26 for test be returned.. W	
383072	1;6	Wireless Imp Co	Sub report on progress on tranm equip at 47th St plant. To Inspr Brok- reqst invest of claim 3-7 To Wireless Co- fwds lettr to Brook 3-10 Inspr Brook - 3;14 Inspr Brook-Instrument for 2 kw sets have delivered. W 3;26	
383204	1;7	Wireless Imp Co	Sub quotation with delivery on receiver. W	
383168	1;5	Wireless Imp Co	Submits report of progress on receivers etc. W	

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
379164	12-30	To S&A	Reqts shipmt from Wash to NY 1 Break Key To— Reqts shipmt from Wash to Phila 29 Break Keys To S&A—Rqst shipt of 1 Break Key with spare parts, from Wash To NY 1/9 To S&A Reqts amendment of shipmt order of 12-30th as listed 9-1 To S&A reqst amendment 9/25/20	W 12-30
380965	12-28	To M Is	Gives outline of data agreed upon and laid down as a basis of a standard ~~xxx xxxxxgap~~	W
380969	12-28	To GE	Fwds report of conference in connection with vacuum valves	W
381034	12-30	To Director Bu Standards	- Asks if they desire to send rep to conference re vacuum tubes To Firms- Asks that rep be present Jan 20 at above conference 1-14 Bureau Standard - 1;18	W
381037	12-30	To S&A	Reqts shipmt from Bost to Inspr Squantum 14 radio trandmitting sets 5 KW	W
381049	12-30	To LEVIATHAN	Fwds radio telegraph booklets for instrn as listed	W
381040	1;20	CO ARKANSAS	Submits data. Ph-Fwds spec radio report measurment of elec con of interfleet antenna. W 3;10	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
381048	12-31	To C-in-C Atl Fleet	Asks that info listed be obtained from	
	NY-Fwds	prints 2;12	elecl constants for new secret radio transmitting	
			and receiving app 12-31	
	To Atl Flt 2/4 R B 3/4 stating		To Com Phila-Req expedite measurments.	1;16
	measurements of electric constants		Phila- 1;25	
	of small cage inter-fleet antenna		To---Req st. that observation be repeated.	2/4 W
	will be taken by expert radio aide		Van Dyck-W (Cross to 875)	
381050	12-31	To Western Elec Co	Ph-Spec radio rep 3;10	
	West Elec Co-Will not mfg standard		- Bu endeavor- to standardize vacuum valves employ	
Card 213	apparatus for Government 1;31		ed for transmitting purposes- Asks infor of manf	
	Report on discussion let to		facilities as listed	W
	F B Jewett on vacuum tube sit.		West Elec Co-Sub detailed comments on.	1;18
	2;21		To---- In re difficulties with vacuum valve	
	To Westn Elec Co 3-19		Western Elec Co - 1;31	1;30
381354	12-31	To Director Bu Standards-	West Elec Co-Tel-Deforest patent rec.	3;24
			Reqts rep present at conference to	
			discuss merits of tungsten and coated	
			filament valves -stand of vacuum valves	
			To Nav Rdaio Lab Bu Stand-ditto	12-31
			To Ch Signal Officer War Dept ditto	12-31
381038	1-2	To Firms-Cdt Wash-Ch Signal Officer War Dept-Fwds	report of conference	
			held re standardization of vacuum tubes	1-2
381041	1-2	To Firms-	About to make reqtn for transmitting app as list	
		To Firms--Advises that dated	-Fwds for advance information list of equipmt	
	of opening has been changed to		To Weston Elec Co- Fwds advance information	W
	an 14th. 1/9		of above reqtn X-X-transmitting equipmt	1-3
	Wireless Spec Apparatus Co-		To Firms- Calls attention to modifications	
	Tel- Req fwd drawings so that		in manf instns RE174 51C for 200 2KW radio	
	bids may be sub. 1;10		spark transmitters 1-3	
	To Am Radio and Research Corpn		To Dublier Condenser Co- Gives advance info	
	Lists equipmt about to be re		of reqtn for radio transmitters 1-3	
	quitioned for info 1-10		To Crocker-Wheeler Co- H-Cabot Elec Co ditto	1-3
			Wireless Imp Co-Req additional copy.	1;7
			Liberty Elec Corp 1;8	
379947	12/27	To S & A Dist Co Radio Eng	Reqst shipments from Wash to Dist Comm	
			NY 1 short wave radio receiver W	876

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
380004	12;21	War Dept	Have delivered to Lt Mackeawn at req of Ensign Spinder one copy of spec on vacuum tubes. W To Chief Sig Officer War Dept-Acknowledges receipt of spec. 1;18	
380280	12;16	Phila	Conf tel conv in con with status of arc sets being tested at lab. W	
378842	12-24	To S&A	Reqts shipmt from Wash to SAN FRANCISCO 1 radio buzzer instruction set To San Frisco asks acknow receipt 3-5 Co SAN FRANCISCO-Instruc set rec' 3;13	W
324755 CARD 200 379158	SEE CARD 161 submitted 1-8 12-21	Walker Bros & Haveland- Asks if 7th pole should be omit. W 1;10 New York 1;14 Norf-Recs all motor gen transf switch be 6 pole instead of 7 pole. W 1;15 To Dist Comm Supt NY 842-1	To Indu strial Controller Co- Fwds drawing showing standard connections for power equipmt of Navy spark transmitters 12-21 Walker Bros & Haveland-Fwds prints 12;26 To Indus Controller-Comments on drawing Transmitting condensers will be shipped direct from Dubilier Condenser Co- not later than 12-21 XXXX 12-21	W
380720	12;18	Phila	Calls attention to tone filter and transf brought out by Telefunken Co. W	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
380676	12;26	Western Elec Co	30 kw arc conv purchased by West Elec Co from Fed Tel Co, fwds copy of bill cov, asks if sat to bill same to navy. West Elec Co-Req action. W 1/29 West Elec Co-Req ~~action~~ have payment authorized. 2;25 West Elec Co-Req payment be expedited. 3;8 To Western Elec Co- will make paymentafter shipt to Washn yard, and test of 3-29 To Comdt Washn- Reqst receipt of appr 4-1 West Elec Co- 30 kw arc conv returned . 4;7	
380841	12;26 To C-in-C Atl- RE suggested method od duel reception 1-29	Atl Fleet	Fwds diagram and descrip. of rec circuit for reception sug by Lt M H Leidy. W West Elec Ins Co - 1;6 To C-in-C Atl Fleet- In re above method of dual reception 1-15	
378547	12-27	To Marconi Wireless Tel Co	-No objections to Marconi furnishing photos of Navy radco app to War Design for Pitc orial History compiled by War Dept	W
381201	12;28	West Elec Co	Will furnish transf for 2 step audion amplifier with maximum length of 2 1/2" W To West Elec: Understanding reached by telephone by Lt Eaton and Mr Shann 1/20	
378843	12-30	To Cdr H. Dons	Fwds drawings and specifications of Navy standard 2 KW transformers and motor generators for radio transmitters	W

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Number.	Date.	From or To—	Subject.	
377198	12/20	To Industrial Controller Co	---Not Bu policy to assign type numbers to starters	W
377531	12/2 0	To Armour Inst of Technology	--Bu has no objections to your negotiating with electric companies for vacum tubes	W
377656	12/20	To Everready Eng Magazine	--Bu has no objections to your negotiating with Electric Companies for vacum tubes	W
378845	12/20	To Marconi Co.	Drawings urgently needed request thatnyou fwd same as soon as possible.	W
378857	12/20	To Western Elec Instru Co.	Type numbersassigned	W
379079	12;19	Fed Tel Co	Fwds miscellaneous drawings of 2 kw sets.	W
379404	12;19	Phila	Conf tel conv relative to shipment of transm to 3rd dist. W	

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
379631	12;21	S&A	Fwds copy of letter from American R R Corp listing schedules which were not rec. W	
379670	2-7	To Boston	Reqtf for list of radio apparatus purchased from outside contractors or mfged by the Navy Yard Boston. W	
379703	12;21	Hammond Res Lab	Req certain data be furnished in con with design of secret radio and transm set being built. W To——— Will procure and forward above info 1-10	
379739	12;21	Genl Elec Co	Fwds copy of Western Elec spec also Genl Elec Co mod and acceptance by bureau, req bureau arrange for inspec. W To Inspr Brook- RE insptn of above 12-30	
379757	12;20	War Dept	Radio transm set for army planters, fwds correspondence and req bureau's opinion as best type suitable. W To Ch Sig Officer War Dept- Reqts firms sub estimates of app 12-31	

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
377368	12-14	To F.K. Vreeland	Authority to purchase audion tubes from Western Elec Co	W
378045	12;16	Washington	Change to be made in Deforest 1/4 kw bulb transm to make them acceptible, sub report with recs cov. To De Forest Radio Co- Confims above 1-15	
377373	12-16	To S&A	Regts shipmt from Wash to Sub Base N Lon Radio app as listed R B 3/6 To N London- asks acknow receipt 3-1	W
377376	12-16	To Wash	Fwds one type "Q" British tube-for test Wash 3/3 Submits report of test -	W
348577	12;17	Marconi Co	War Dept req photoes showing radio transm and rec set, asks if shall furnish. W	
316006	12/16	Condit Mfg Co, Mass.	Bu authorizes Phila Yd to conduct further tests on circuit breakers in accordance with suggestions as stated. W.	

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Number.	Date.	From or To—	Subject.	
375156	12/18	To E.J. Simon	Bu not interested in any quenched spark transmitters other than that of standard Navy equipment - not advisable to conduct unnecessary tests. W.	
378016	12/18	To S&A	Rqst that 500 vacuum tubes type CW 933, and 500 vacuum tubes type CW 931 be shipt from Wash to Phila Yd. W.	
378617	12;16	Western Elec Co	Twenty-five audion cont boxes shipped from Chicago 14th, 168 meters received from Westinghouse Company.	
378843	1;4	Legation of Norway	Acknowledges receipt of spec.	
378844	11;28	Base 18	Copy of letter to CO/SF directing transf set to Base 18.	
321489	12/28	To Wash yd See Card 153	Bu requests that further investigation be carried on with machine To Washn- info re progr ess 2-28 Washington 5/29	W
36167 O	12/20	To Wireless Spes Sppar Co— See Card 178	Bu requests info as to when you will be able to fwd instruc booklets on installation & spark transmitters	W
375324	12/200	To Wireless Spec Co	Bu has no objections to your negaotiating with WE co for radio apparratus	W

[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
374321	12-9	To Harv -GL- M IS	Fwds instrn bookd sor care and operation of short Range Phone sets	W
375006	12-9	To Manhattan Elec Supply Co-Asks that they submit for test sample buzzer for signal comm purposes		W
	Manhattan Elec Sup Co-Fwds buzzers. 2:7	To ----- Asks that samples be submitted 12-21		
	Manhattan Elec Sup Co-Reqst report. 4;28	To ----- Sample buzzer wound for lower than 6 volts returned 1-2		
		To Manhattan quotes from report 5-5		
375414	12-9	To Wash	Effect of Radio arc type transmitter on ships compasses comments on	W
	~~Wash-Rep test effect on ship-comp~~	To Wash Asks reply to let of 1-29th 1-28		
CARD 211	To Wash-Rqst test outlined be applied to British #16 transmitter	Received back from Washington 1;3		
375417	12-9	To GL (2-11	Reqts that 2 radio amplifiers formerly of GL Labo be turned over GL Radio school	W
		916		
3				
375729	12;6	Liberty Elec Corp	Req infor as to which 2 kw transm ~~is~~ sent. W	
			To Lib Elec Corp-vAbove satisfactory in performance ans workmanship 12-13	
			Shipment order received back 1;2	
375915	12;7	West Elec Co	Asks if audion cont is sat, will add $1 additional expense if dovetail is nec. W.	
	To ----- Control boxes with the lock jointed corners acceptable 12-24		West Elec Co-Have shipped 27 audion cont boxes. 12;13	
			Western Elec Co 12;14	
375001	12-7	To WE Co.	Approves furn. vacuum tubes to Marconi.	
372556	old No.	Shipment order of Nov.	29 R.B. 12/16	

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
377198	None	Walker Bros & Haveland	Hand starter with spare parts for arc radio transm for Fed Tel Co, req infor type number, fwds prints. W	
375814	12/11	To Ch Signal Officer	U.S. Army. Asks if can dispose of one or both of radio tel automatic photo receiving devices being manfd at GE for Signal Corps. W, War Dept - 3/11	798
377531	12/12	Armor Inst. Technology	Ask if Bur. can furnish vacuum tube for use in high frequency currents for wireless tel.	
377656	12/13	Everyday Engineering Mag.	Req. information re making arrangements for purchase of vacuum tubes from G.E.Co. W	
376850	12-13	To S&A	Reqts shipmt from NY to Todd ship Yds- 4 1 KW radio transmitting sets Inspr Mine Sweeper 4;21	W
~~To N 377163~~ 377163	12-14	To NY	Sims notified to reship 11 Sperry emergency radio transmitting sets from Base 18 to NY -Asks to be notified when shipmt recd	W

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
373539	12/2	To S&A	Reqts. shipt. of battery charging unit from Norf. to Chasn.	
373540	12/2	To S&A	Reqts. shipt. of battery charging unit from Norf. to Chasn. Received back 12;23	
373541	12/2	To S&A	Reqts. shipt. of battery charging unit from NY to Boston. Shipment Order back 12;12	
373542	12/2	To S&A	Reqts. shipt. of battery charging unit from NY to Boston	
374628	11;28	Cutting & Washington	Fwds prints cov 1/4 kw transm. W	
374685	12;3	Com	Req infor as to status of small arc instal for small vessels, also other information in con with. W	
373907	12-4	To S&A	Reqts. shipt. of radio transmitting set from NY to Mare Is.	

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RECEIVING & SENDING:

Number	Date.	From or To—	Subject.	
375149	12;2	Genl Elec Co	2 kw Base station tube transm, wire diagram being made up will fwd when complete.	
374522	12-6	To NY	Fwds. rad.tel. instruct. books.	
374334	12/4	To WE Co. (T)	Vacuum tube conference postponed to 12/16. To GE Co. (T) Same as above . 12/4	
375000	12-6	To Cutler-Hammer Mfg.Co.	Fwds. copy of sheets of specifications.	
375256	11;30	Metropolitan Co	Req take up matter with wireless transm designed by L M Cockaday, test to be taken. W	
375324	12;5	Wireless Spec Apparatus Co	Req permission for Western Elec Co to sell one doz tubes for experimental work W	
3413	12/4	Inspr GE	Fwds blue prints record of production on shipments of pliotron tubes.	629

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.
372125	11-29	To Companies	Gives inform re bids on battery charging panels and vacuum tube control panels,W Elec Mfg Co- States information received only ~~outlined~~ received two hours before bid to be opened. W Schedule 7053 1/2
372550	11-29	To GE	Comments re report on production of vacuum tubes,W Genl Elec Co- Corrects report. W 12;3
372556	11-29	To S&A	Rqst shipmt storage battery Norf to Cape Hatteras,W
372557	11-29	To Wash	Re development of amplifier, W Washington 3;18;19
372565	11-29	To War Dept, Wash	Acknls receipt of copy of parts list, W
372768	11-29	To S&A	Rqst shipmt arc transmitting set Wash to Brooklyn,W
372771	11-29	To Wash	Re test of sample transmitting & receiving vacuum tubes,W Washington-Sub report of test of sample, transm and rec tube, sub by Radio Lamp Corp 1;2 To Radio Lamp Corp- Gives report of test on three tubes 1-10

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
373614	11;30	K C Co	Fwds copy of let from Fed Tel Co stating spec of 2 kw arc transm have been delivered to bureau. To ----- Drawings returned to Fed Co 12-21	
373727	11;30	E J Simon Co	Treatment to be same as accorded other mfgs. W	
373025	11-29	To GE	Grid leak type CG1037 supplied Western Elec Co without type No stamped theron Western Elec. Co. 12/13 Bu desires no delay in delivery of audion control boxes. GE Co, rqstdy to stamp type nos on grid leaks 12/17	W
373331	12-2	To S&A	Reqts shipmt from Wash to Key West 500 vacuum tubes Shipment order back 1;9	W
373333	12-2	To S&A	Reqts shipmt from NY to Phila 1000 vacuum tubes Rqst that shpmnt of above be cancelled. 12/18	W
373338	12-2	To S&A	Reqts shipmt from Wash to Chasn 1000 vacuum tubes Received back 1;10	W
373029	12-2	To Inspr Bost-	Conf phones 11-25-26th-Does not require stamping of serial Nos on Morse keys being manfd by Manhattan Elecl Supply Co on contract 632	W
373538	12/2	To S&A	Reqts. shipt. of battery charging unit from Norf. to Cherrystone Is. 12/2 Cherrystone Isl-No inventory of radio at sta. 12;5 To Cdr Sect 3 Cherrystone Nav Base- Reqts that above material be fwded to Fishermans Is when recd 12-13	

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[OVER.]

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.
372742	11;25	F K Vreeland	Req Western Elec Co be authorized to furnish bulbs for waive sig. W Bu has no objection to your obtaining 2 standard detector bulbs.
372688	11;25	New London Base	Req mfg of radio transm be instructed to discontinue ship of transm in one box and same be shipped in three separate boxes. W
372116	11-27	To NY	Rqst two copies of instruction booklet,W
372117	11--26	To NY (T)	Has arranged delivery of two French short range buzzer transmitters.W To Wash,rqst radio receiver be turned into store, 11-29
372934	11;27	Western Elec Co	Sub report cov work involved and expenses concurred in con with devel of amplifier sets. W Fwd Wshn 3-5 R B 3;20
373079	11;27	Fed Tel Co	Fwds sample of kw sets.
372120	11;29	Shipment Order - Fwd-	Received back 1;23

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
373173	11;29	Inspr Fed Co	Two kw expressed, shipped back shunt circuit Nov 27th, chopper Dec 3rd W	
371860	11-29	To Western Elec.Co.,	Next conference of vacuum tube detectors will be held Dec.16th at 10 AM,W To Wash, re above, 11-29 To Chief Sig.Officer Army,re above,11-29 To GE,re above, 11-29	
372115	11-29	To Chief Signal Officer, U.S.Army	Re use of British type 16 arc data by Signal Corps,W Fwds British Conf Publications as listed, re British type 16 Arc. 12/17 War Dept 12;20	
373240	11;29	Fed Tel Co	Fwds detailed drawing cov 2 kw arc radio transm. W	
372121	11-27	To S&A	Rqst shipmt 1000 vacuum tubes Wash to Norf,W	
372123	1;27	Shipment order Fwd	Received back 2;5	
372122	11-29 ?	To S&A	Rqst shipmt 2000 vacuum tubes Wash to Pg Sd,W	
372124	11-29	To S&A	Rqst shipmt 2000 vacuum tubes Wash to NY,W	

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DUPLICATE OF CARD 185

RECEIVING & SENDING: 1919

Number.	Date.	From or To—	Subject.	
371968	2;13	American RR Corp	Req fwd key to Boston for test. American RR Corp-Reqst further comments on test of Key. 4;24	

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Number.	Date.	From or To—	Subject.	

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RECEIVING & SENDING:

Number	Date.	From or To—	Subject.
370777	11;20	West Elec Co	Fwds sample high power transm valve which was turned over to them by British Admiralty.
370717	11-23 2nd Dist- 3;20	To Comdts & Mgrs	Fwds calibration sheet for Stand Navy spark transmitters, comments W Philadelphia - 12;14 2nd Dist-Fwds calibration sheet of spark transm. 1;25 2nd Dist-Fwds calibration sheet. 3;13
371240	11;20	Wireless Spec Co	Sub list of alternators found nec to vandykes also complete set of prints. W To Wash,fwds letter and blueprints,11-27
372108	12;2	War Dept	Old Number
371182 3	11;21	Westinghouse E & M Co	Req complete set of drawings of audion control box. W To—,comments re above rqst, 11-29
371544	11;21	Indianhead	Req prints of 1/2 kw transm.built by Wireless Improvement Co. W To—,fwds booklet, 11-29
371727	11-25	To S&A	Rqst shipmt radio apparatus NY to Suffield,W~~1-25~~ Shipment order back 12;30

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
371968	11;23 To Boston 3-15 R B 3;21 American RR Corp-Ady that Co on approved list. 4;29	American RR Corp	Req Boston yard be advised whether or no sample of relay key is ready for test. American R.R.Corp. Dec. 9 - Railway Administration has supervision no longer over vessels To---Relay key in question fwd to Boston Yd for test- 2/19 To Boston- Rqst test key and fwd report 2/19 To American R.R. Corp. 3-15 Relative to transmitting relay key.	
371972	11;22	Marconi Co	Req information regarding emergency life boat transm and receiver set. W To--.comments re above, 11-29 To Marconi Co- Asks info re developmt of above 12-13	
372284	5;29	War Dept 918	Fwds descrip of radio set for airplane designed by Army. 918	
372536	11;25	International Radio Co	Report on excess quantity of certain parts, receiving switch on hand, asks if bureau will purchase. To Lowenstein. Fwds. vandyke copy of drawing 12/3 (2 letters) To--- Suggests to write to Lowenstein 12/3	
372107	11-26	To Chief Signal Officer	Fwds copy of report covering conference re radio frequency amplifiers.W	

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[OVER.]

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
370003	11;13	Inspr Fed	Sub report of preliminary test of experimental 2 kw set.	
369729	11-19	US Signal Corps, Wash	Fwds copy of report of conference re to vacuum tube detectors, rqst representative attend next meeting 12-5, W	
369735	11-20	To S&A	Rqst shipt radio apparatus Wash to Signal Corps W	
369738	11-19	To F Lowenstein,	Authorized to include modification in mfg of gap gaskets for spark gaps W	
367765	11/12	To Washington	Report on test of elastic mounting for type audio frequency amplifier. W.	919
370061	11-22	To Western Elec Co	Rqst that copy of instrns book be fwd in shipg crate with the radio telephone set W	
370160	11;18	4th Dist	Fwds prints of buzzer sig system for use in con with terminal of original bell tel. W	
370192	11;18	Washington	Req authority to develop radio tel transm Fwd Wash 12-2	W
369730	1;3	Genl Elec Co	Old Number	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
370415	11;18	West Elec Co	Understands not nec to remove patent name plate from audion control box. W Western Elec Co- Comments on patents. 12-6 To Inspr Brook- No objection to above 1-13	
370417	11;17	West Elec Co	Condensers used in audion control box, sub statement of variation of grid condensers. W	
369727	11-20	To Wash	RE investigation and modification of French L-3 radio frequency audion amplifier W	
370817	11;15	3rd Dist	Req dorect com super be furnished with arc transm for instruc of arm guard radio operator. W To S&A, rqst shipmt radio apparatus Phila to NY, 11-25	
370776	11;20	Marconi Co	Fwds invoice and bill of lading GE Co covering tubes. W	

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
368318	11-14	To S&A	Rqst shipt radio apparatus Wash to 15th Dist W
368672	11-14	To Force #9	12 Radio aplifiers batteries and tubes shipt you Seven stage amplifiers rejectors and a acceptors not available W
368678	11-18	To Bureau Ef Stands	re install of radio telephone at shore Stations comments, 11- W
369004	11;14	International R T Co	Sub price at which will sell surplus stock of relay keys. W To---- Have no need at this time for keys. 12/6
369454	11;7	MI	Reports two one kw radio sets stored at Marine Elec Co, asks if bureau desires to take possession. To—,not desired that above be purchased,11-27
369555	11;9	Phila	Conf tel cover rel to test of meters for use with transmitters. W

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Number.	Date.	From or To—	Subject.
368675	11-16	To Firms Listed	re designs for radio transmitting apparatus
	West'gse E. & M. Co. req. further info. 12/14		rqg special form of dynamotor, employing 3 separate armature windings as listed W
TO CARD 203		To West. Elec Co.---Copy ltr dated 11/15 enclosed- 12/19	Diehl Mfg Co- Comments on sample of decometer W To Firms Reqts. reply to let. of 11/15. 12/6 H.C.Co. Dec. 9 Westinghouse E & M Co-Asks if
	GE Co-Sub quotations with descrip of. 1;23		Genl Elec Co 12;16 120 meter will meet req. W 2;10
369137	11-16	To Washington	Rqsts radio telephone booklets W
369138	11-16	To Wash	Rqst for vandykes of dwg RW 50F 228, W Received back 11;21 Wash-Fwds vandykes of audion cont box. 11;22
369139	11-16	To Wash	Fwds prints of dwgs listed W
369141	11-16	To Phila	Rqst reports of radio transmitting sets W
369143	11-16	To Boston	Re failure to submit semi-monthly report of radio W Boston-Sub missing card. 11;19
369625	11;16	Mignon Radio Corp	Req payment of radio rec deliv to Washington Yard 9th. To--acks letter of 11-28, comments 11-22

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Number.	Date.	From or To—	Subject.	
365921	11/9	To S&A	Reqts shipt from NY to N Lon 4 1/2 KW radio transmitting sets. W.	907
367188	11-13	Lowenstein Radio Co Comments on mfg of 300	1/2 K W radio transmitters W	
367436	11-13	To Boston	Comments on report of spark gaps of radio W	
367938	11-13	To War Dept	Dwgs for receivers type radio comments W	
368/902	11-14	Sp erry Co	Will loan Wireless Improvement Co 2 assemblers for assembling receiving sets W To Wireless Imp Co, comments on report 11-21	
367197	11-11	To S&A	Rqst shipt radio apparatus Wash to Div #9, W	
368319	11-14	To S&A	Rqst shipt radio apparatus Wash to Norf W	
368322	11-14	To Phila	re missing parts on radio transmitters W	
367768	11-14	To NY	re radio apparatus for Seagoing Tugs W To NY Gives instrns- 9/1/21 RB 9/24/21. WK	
367769	11-14	To Pg Sd	re radio apparatus for Seagoing Tugs W To Puget S- instruc re appr for installn	7/10

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
368097	11;9	Wireless Improvement Co	Sub schedule of delivery not rec with comments on faults found ~~in~~ which cannot be correctly charged to Co. W	
368238	11;11	KC m	Fwds list of spares cov radio transm. To KC Acks photos of radio transmitters 11-15	
368237	11;11	KC	Fwds photoes cov transmitters. W	
368663	;11;13	NY modeling	Marconi radio receiver type 107 A remodeling, sub recs and fwds print. Fwd. Wash. 12/3 Fwds description of method used by NY Yd for improving operation of Marconi Type 107A receiver. - Bu approves method, but desires Yd to make such rpairs on receivers only in cases of necessity. 12/17 W.	
367161	11/11	To S&A	Reqts shipt of Vacuum transtg tubes from Boston to Phila for Airc Factv.	920

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Number.	Date.	From or To—	Subject.	
366152	11;2	Cutting & Washington	Blue prints of CP 1110 transmitter showing measurments fwd. W	
366254	10;26	MI	Fwds vandykes report cov test of 5 kw arc transm sub by Fed Co W	
366217	11;5	Washington	Sub report on test of US Army Sig Corps spark set used as life boat set.	
365607	11-7	To Wash R	Re design of stand Magnetic Coupled type transmitter, comments W To Simon. Re tests on redesigned panel type radio transmitter 11/12 E J Simon Co-Fwds report of test 11;20	
365620	11-7	To Cutler Hammer Mfg	Wash-Fwds report of Simon 1/2 kw spark transm 12;6 Fwds B/P of specins re automatic starter W To--- Fwds sheets of radio spark transmitter specifications 11-20	

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Number.	Date.	From or To—	Subject.
366499	11;4	Marconi Co	Sub report of defective and broken pliatrons received from GE Co. To ----- Gives procedure re above 11-9
366718	10;28 11;6	Wireless IMPROVEMENT Co S&A	Are now in position to mfg 5 kw spark transmitter for navy. W
367436	11;7	Boston	Fwds special report on special spark plugs calls attention to unsat service. W
367402	11;7	American R & T Corp	Acknowledges receipt of drawings requested and showing alterations made. W
368091	11;9	E J Simon Co	Req report of copy of test on conductive couple 1;2 kw transm W

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
364723	11-2	To Am Every Ready Wks	RE unsatisfactory performance of type CBG 3535 dry batteries **To Comdts & Yds Insprs, re defects reported in type SE 3535 dry batteries 11-14** **To— Comments on above 11-18**	W
342136	SEE CARD 168	To Boston T 2-26	**To NY- asks receipt of key- 4-11** To Bost- Reqts that test and drawing of modified Type SE 137 relay key for use with 10 kw spark transmitters be expedited To NY- Above key shipped from Bost to NY for test- Reqts report 11-9 To Bost-Reqts report on above be fwded to Bu 11-9 NY-Sub report on test of 10 kw hand key. 12;21	W
356459	SEE CARD 175	To Ind Mgr N Y-Re above. If not recd by NY Yd, rqst Boston Yd trace same. 2-10 To Boston- re trace shipment 2-25 **Boston-T-Draw will be com 3;3. W** **Bost 3/3 Fwds prints of relay key-** **Phila. Dec. 10 - fwds modified prints of name plate** **Acknow recpt reference with bprintscopies Rqst nameplate be included directly on drawing of rotary gap 12/17**	**New York 10;18** To Phila- Reqts that nampelate be changed to show all capacities with which gap can be used- Type SE-911 rotary gpas 11-4 To Bost- Reqts that type SE-165 send- receive switch be marked to show entire range of application To NY- RE marking of type SE-163 lighting switch 11-4 **NY-11;30 Fwds prints showing changes in name plate** **Phila-Fwds prints of spark gap. 1;11**	W
357905	11-4	To International Radio Telegraph Co-	Has no use for "Bromley" phones or typep CM-112 receiver	W
363998	11-4	To Sims-	Radio receiving equipmt athorized for merchant vessels given as listed	W
364729	11-4	To Wash	Reqts that 4 copies of all avaiable instrns on receiving equipmt be fwded to Harvard	W
365009	11-4	To GE	Reqts that 6 copies of each of GE photo 110216-7 of type CG 916 and 1162 pilotron be fwded	W

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Number.	Date.	From or To—	Subject.
364988	10;31	GE CO	Possible to develop 30 kw ~~generators~~ pliatron tubes through use of iron or steel container, asks if shall push development work. W GE Co-Sub production report. W 11;11 G E Co- 11;5 G E Co- Total of 534 pliatrons tubes have have been shipped. 11;19
365272	11;1	NY	Invention of substitute for spark gap made by C Gardiner, fwds pencil sketch with comments on.
365172	10;27	MI	Fwds report covering inspec of apparatus on vessels listed.
365428	11-5	To Nat'l Elec Supply Co	Rqst inform re receipt of keys shipt W To S&A Rqst shipt radio apparatus Boston to Nat'l Elec Supply Co 11-5 **To Boston (T) expedite shipt radio relay keys 11-14**
365601	11-5	To G E (T) E B Craft -Will have rep presentation of new valve design W	Rqst white visit Radio Div SE for consider- To Western Elec. (T) Rqst representative attend radio valve conference 11-5 To Edison Lamp T rqst presence at conf, 11-6
365011	11-5 To M Is- (T) 16306 shipmt arc set Cavite Wash cont No 951 via Sat urn authorized 11-8	To M Is (T)	Rqst long wave radio received, one audion box and amplifier with batteries for stock at Cavite, W MI-Lists apparatus which will be fwd to Cavite. 11;2
365427	11-6	Lowenstein Radio	Rqsts loan of radio transmitting set from NY W

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RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
362973	10-29	To S&A	Reqts shipmt from Wash to Elec Boat Co Quincy- radio app	W
363206	10-29	To S&A	Reqts shipmt from Wash to Inspr Lake Torpedo Co radio app for Sub S-2	W
363207	11-23	To Inspr Lake	re damage in shipt of radio transmitting set W	
	Inspr L.-	Sub rep of breakage. W	To S&A, above to be duplicated. 11-27	S&A 12;10
363208	10-29	To S&A	Reqts shipmt from Wash to Ports Radio app for S-3	
	To Ports-	(T) Radio rec for SubS-3	Ports-Tel-Req expedite deliv of apparatus list.	
	will be shipd from Wash 1-24th 1-22		Sub S-3 2;3 To Ind Mgr Ports-Re above. 2-8	1;21
	Ports-Relative to instal receiver on			
363214	10-29	To Dubllier Condenser Co	To proceed to manf 100 sets of condensers for radio transmitters of 1/2 KW capapcity	W
	To Dubilier Condesner Co rqst report of protective device 11-8		To Weston Elecl Instrument Co ditto 10-29	
	Phila - 11;14		Dublier Condenser Co 10;31	
			To Phila, in re above 11-8	
363320	10-29	To S&A	Reqts shipmt from Bost to Inspr Elec Boat Co- radio ap p for sub S-1	
			Shipment order received back 11;29	
	To Norf-	acknow receipt of letr 2-10	Tel Stahl RecCo- fwds copy of radio rept 3-1	
363251	10;26m	Key West	Req authority to draw from stock one nesco	
	To Norf-	Informs that they will test Stahl receiver for use at Tampa and Miami W		
Fwd	test Stahl rectifier 12-14		Miami - 11;19	
Card 219	Stahl Co-Will fwd mould to		Fwd Washington, 11-27	
	Norf lab for test. W 12;18		To Stahl R.Co. Suggests that they submit to Norf. a commutator rectifier for tests. 12-3	
	To Norf-	Asks reply to let of		
	12-14th	1-28 Norf-Fwds vandyke	To Shahl Rectifier Co- Will test rectifier 12-14	
363582	of suitability test. 2;10			
	10;28	Wireless Imprvoement Co	Are now in position to mfg 5 kw spark transmitters, ask be permitted to bid on.	
			To Wireless Imp you are qualified bidder 11-6	
366514	11/7	To C&R	Reqst status of work om install of; new houses for arc transmitter, W.	876
364223 see	card 216			

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Number.	Date.	From or To—	Subject.	
361159	10-30	To S&A	Reqts shipmt from NY to Suffield 1 1/2 KW gas engine driven radio transmitting set	W
	Shipment order back 12;30		To S&A, rqst cancellation BUSE order Oct.30th.	11-25
363270	11-21	To Inspr Lake (T)	To Inspr Akron, comments re above order. Boston will ship radio transmitting set W	11-27
363251	10;26	Key West	Req authority to draw from stock 1 nesco field type receiver for use at Tampa and Miami To Key West- Short wave receiver will be shipped	11-1
364286	10:22	MI	Fwds Fed Tel Co req for authority to use rec cabinet Ex-Hobart radio stat.	
Fed. Tele Co.- Request serial numbers. 2/12			To --- Authorized for three months 11-2	
278	To Cdt MI	3/2/20	To Ved. Tel Co. 1-9 M Is - 4/24 - W	
637 04	10-31	To Director Genl of Comm Havana Cuba	10 vacuum detector tubes shipped from Wash 9-16th-Will inform what vessel material goes fwd on from NY	W
1 1-2 via 19341	Ward Line S.S.MEXICO 11-4		To ----- Above material shipped from Brook	
363710	10-31	To Western Elec Co	Asks if in position to consider development of single vacuum valves for radio transmitting purposes at powers corresp to 5 KW	W
364209	11-1	To Wash	RE shipmt of Morse Keys from Phila to Wash	W
18 Morse Keys 11-1			To S&A Reqts shipmt from Phila to Wash	
364222	Phila- 11-1	Conf tel conv rel to assignment of 25 kw arc sets. W To S&A	Reqts shipmt from wash to Harvard Uni 4 medium wave radio receivers	3:11 W
363219	10/31	To Firms	Asks for catalogs covering merchryarc rectifiers as listed.	876

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
361670	10;22	Phila See Card 190	Radio transm set received without instruc books from Wireless Spec Apparatus Co, req books be fwd. To Bost- 58 copies f above needed 11-1 To Wireless Specialty App Co- Informs of above shortage of instrn booklets 11-1	
361678	11;6	Wireless Spec Co	Bulletin will be fwd at once.	
361829	10;23	K C Co	Asks if 30% advance payment clause will will be inserted in contract cov radio transm recently ordered. W	
362073	10;23	Phila	Cape May req 10 radio transmitters be furn asks where shall obtain from. W To---Shipt. to be made to Cape May. 10/26	
361195	10-23	Chasn	Asks info change in materialsheets for 1 KW transmitter-SE 1060-contract 2411 -Marconi Wireless Tel Co	W
362898	10/24	NY	Proposed arrangements for receiver wiring-Fwds prints. D.	908
361174	11/12	To Phila.	Reqts. corrected.information re change of material sheets for Field Type Rec'rs.	

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Number.	Date.	From or To—	Subject.	
361946	10-25	To S&A	Reqts shipmt from Wash to Bu Standards 2 2-step radio amplifiers. Bureau Standard 11:4	W
360425	10/26	To Phila.	Reqts. consideration of difficulties outlined in report. To Phila- approves recs 6-18	
360431	10/24	To S&A	Reqts. shipt. of rad. transmit. sets from NY to Norf. for vessels. To NY. assignment of radio transmitting sets with Marconi 11-14	
357170	CARD 175	To S&A	Fwds let of Buffalo Forge Co of 10-4th for information	W
361959	10-25	To S&A	Reqts shipmt from Wash to NY 175 pair of radio standard head phones	W
362407	10-26 trace above shipmt 12-14	To S&A	Reqts shipmt from Wash to Suffield Ohio radio app. To Sup.Const.Airc. Asks if radio apparatus rec'd. 12-5 To S&A- Asks that vigorous action be taken to	W
362781	10-29	To Lib Elec Corp	Fwds drawing showing proposedstop for 2 KW wave charger arm etc - reqts 50 additional sets be constructed accordingly	W
361646	11-1	To Bost	Dist Comm let of 10-2 to Fed Tel Co Ack receipt of booklets for installn care and operation of 2 KW arc transmitters will be fwded when completed Fed Tel Co-Instruc book will be fwd as soon as completed	W

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Number.	Date.	From or To—	Subject.	
360908	10/16	E.J.Simon	S&A Oct. 19 States contracts with Navy are rapidly approaching completion and requests information re future business W	
361121	10/21	Norf.	Suitability test of 1/2 K.W. Automatic starter submitted by Cutler Co. Submits special report	W
361266	10/21	K&C Co.	Request contract number covering one RW transmitter on order with Co. W	
361 257	10/19	W. E. Co.	Fwds drawing covering proposed re-design of dynamo motor system for receiving and transmitting set	W

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Number.	Date.	From or To—	Subject.	
359817	10-23	To Kilbourne & Clark Mfg Co-	Transformers by Am Transformer Co approved for use with 1 KW Navy Standard spark transmitters	W
361829	10-23	Kilbourne - Clark Co	100 1-KW radio transformers-Reqts 30% payments in advance	
362206	10-22	Dublier Condenser Co-	Fwds description of a fan drive dutch radio set- back with translation	
361516	10;21	Boston 968	Method of avoiding interference when tuning spark transmitters, W	
6 361546	10;22	Fed Tel Co	Fwds let from 5th dist req infor concerning installn care and operation of arc radio sets.	
	for 2 KWarc	transmitter 10-31	To---- Asks that ~~xxxx~~ they fwd instn booklet	
361950	10/28	To Yds- Stations- Flett- Subs.	Fwds special rpt on New Method of using contact detectors in radio measure ment by Dr Austin	976

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.	
359167	10-19 listed	To S&A 10-24	Reqts shipmt from NY to Phila 75 2-KW radio transmitting sets complete	W
To F Lowenstein Radio Co. Rqsts booklet. To Marconi rqsts booklet 11-13 11-13			To NY. Reqts that 100 2KW radio transmitting sets become available from Marconi in order Lowenstein - 11.15	
359169	10-19	To S&A	Reqts shipmt from NY Chasn 15 2-KW radio transmitting sets To Chasn- reqst acknow receipt 3-4 Ship Order of 10;19 RB 3;25;19	W
359665	10-19	To S&A	Reqts shipmt from Wash to Key West 100 type SE-3535-"B" batteries	W
359666	10-19	To S&A	Reqts shipmt from Wash to Chasn 100 type "B" batteries	W
359667	10-19	To S&A	Reqts shipmt from Wash to G L 50 pair head phones West Elec Co	W
359817	10-19	To Kilbourne & Clark Mfg Co	- Authorized to submit transformers by Am Transformer Co -CAT-1258-re instns to their Mr Cooper	W
359821	10-19	To S&A	Reqts shipmt from Bost to Ports radio app as listed for vessels of U.S.S.Bd Received back 11;2	W
359822	10-19	To S&A	Reqts shipmt from Bost to Newport radio app as listed RB 11-15th	W
359619	10/17	Marconi Co.	17 KW. Covering transmitters and receivers. Request received from various Navy Yards. Asks action W To Boston Rqst dwgs of radio 11-5 To N Orls, Fwds booklets 11-5	

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Number.	Date.	From or To—	Subject.	
359557	10/14	Washington	Relative to inspection of vacuum tubes.	
	To--- Auth to design and build 6 bulb testing machines 12-20		Submits recommendations	W
			To Wash- Asks if can write up standard instruns re testing vacuum tubes in re above 11-4	
			~~Shipment order back 11;17~~	
			Wash-Report on test of vacuum tubes. 11;16	
359823	10-19	To S&A	Reqts shipmt from Bost to Ports-10 radio 1/2KW transmitting sets with 10 short wave receivers	W
			Shipment order 10;23 back 10;29	
359824	10-19	To S&A	Reqts shipmt from Bost to Newport 10 1/2KW radio transmitting sets with 10 short wave receivers	W
359827 see 207			Boston 11-6	
			To Boston Rqst if radio shipt 11-15	
			To S&A, rqst expeditious del. apparatus, 11-29	
359825	10-19	To S&A	Reqts shipmt from Wash to ALERT 1 2-step radio amplifier -75 vacuum tubes and 50 "B" batteries	W
359832	10-21	To Commr-Bu Nav Dept Commerce	Asks any additional info on file reusefulness of a 10" Marconi induction coil be fwed with minutes of meeting held to determine above	W
			CO-Oriziba-Report of instal. 10;18	
360368	10/10	Mare Island	Submits report of receiving parts turned over from Electric School	W
			To---Author. repair of rec'r. 10/26	
359832	10;25	Dept	Minutes of meeting held.	
			To Admiral Grant, copy of minutes of meeting 11-6	

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Number.	Date.	From or To—	Subject.	
358277	9/17	K. Lachman	Atlantic Fleet Oct. 9 Recommends head telephone sets be made of aluminan metal in low hard rubber test Fwd Wash 11-6 received back 11;13	
358481	10-17	To NY	Asks 3 vandyke copies of latest alteration of drawing RY 32A 112 -giving instns for preparing spark gap gaskets NY 10-24-Fwds vandykes W	W
358491	10-16	To Chasn	Asks that receipt of radio receivers be acknowledged-martoni type CM294 American Gas Accum Co- Sub estimate. Charl ston - 11;6	W
359001	10-17	To Sims (T)v	Obtain copy latest high power type bulb transmitter used British battleships and mail Bu earliest practicable date	W
358495	10/14	Washington	Submits report of test of receiver by American Gas Accumulator Co. W o am Gas Accumulator Co- Have been placed on proposed list of approved mafrs of Mat'ls of Radio Receiving Equipmt 10-31	
359155	10-18	To NY	Reqts that radio ~~xxxx~~ transmitting sets on contract with Lowenstein Co be shipped in order listed Shipment Order back 12;30	W
359379	10-18	To S&A shipping Bd	Reqtss shipmt from Wash to Chasnfor vessels of U.S.S.Bd- 15 short wave receivers To S&A req sanc SO 10/18/18 7/14/19	RB 7;25 W

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Number.	Date.	From or To—	Subject.	
359000 1	10-18	To Phila	Fwds 10 copies of Instrn books-type SE 3531 Interfleet transmitters Sims-Copy- 499 Complete data on Brit valve transm fwd to bureau 13th 11;26	W
358999	10-17	To S&A	Reqts shipmt from Wash to Ports for vessels of U.S.S.Bd- 10 short wave receivers To Ports- reqst acknow receipt of appr 2-26	W
359160	10-18	To S&A	Reqts shipmt from Wash to Chasn for vessels of U.S.S. Bd- 7 short wave receivers	W
359165	10-18	To S&A	Reqts shipmt from Bost to M Is- for vessels of U. .S.Bd- 5 1/2KW radio transmitting sets To Mare Is. Reqts. rect. of radio apparatus 12-4 received back 1;3	W
359166	10-16	To S&A	Reqts shipmtnt from Bost to Pg Sd- for vessels of U.S.S.Bd- 10 1/2KW radio transmitting sets S&A - 11;2 To PS. Asks if radio apparatus rec'd. 12-4	W
359653	10-18	To Sims (T)	Your 3248 BUSE 9742 only one audion battery charging panel authorized each destroyer shipmts will be made accordingly Sims-7845-Asks if panels will be shipped.	W 10:24
			To Sims (T) Your 7845 Buseng 3406 audion battery charging panel policy unchanged except for dests who will receive only one 10-29	
359167	10;25	Phila	Old Number	
359169	11;9	NY	Req correct information regarding assignment.	

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Number.	Date.	From or To—	Subject.	
358462	10/9	Western Elec. Co.	Pilament reostate construction of audion control box impossible to solder nichrome wire Request authority to substitute wire W To Western Elec Co ~~XXXX~~ In re above	10-30
358601	10/8	Federal Tele. Co.	Fwds letter from C.E.Davis, C. E., requesting information concerning construction operation of poulsen art transmitter W	
357010 Wash 3-19	10/15 rpr fwd	To Alt & Pac Flt To Sims	Reqt report be made on operation of all types of receivers in service, stating all name plate data on receivers, accuracy in doing so. W CO SP 1213 2;10 Pacific Flt 11/9 Pacific Fleet-Fwds report on receivers. W 12;22	
SEE CARD 196	To Washreceivers	Fwds report op of Navy from PITTSBURG 12-27 Europ Force- Sub rep 12;20		
358037	10/11	Walter Bros. & Haviland	Submits designs covering automatic and hand operated apparatus for transmitters with comments on W	
355997	10-15	To Em Fleet Corp	Reqts that list be prepard outlining requirements of small portable radio transmitters for life boats W	
357714	10-15	To Anthony Machine &	Elec Wks- Will be placed on mailing list for further dector orders W To Wash- Fwds notes on above detectors-reqts detectors inspted and retned 10-17	
344544	10-17	Fwd Wash	Reqts return to Chatham Radio Sta-2 Baldwin radio head phones W To Chatham 11;4 received back 11;16	

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Number.	Date.	From or To—	Subject.
356459	10-9	To Firms listed	Comments on design of apparatuses listed, W
SEE CARD 180		KC Co - Lists changes will make on name plates. 10;21 To E.J.Simon- Reqts that the capacity of lighting switch be indicated on nameplate 11-4	E.J.Simon Oct. 10 Fwds print showing name plate data International R.T. Co/ Oct. 11 Wireless Improvement Co - 10;21
356462	10-9	To Firms listed International R.T.Co. 10/11 Wireless Improvement Co. 10;21 KC Co - 10;21 Wireless Spec Co 10;29 To Marconi, Comments on above 11-5	Re necessity of fuzes being supplied with Stand Navy Spark transmitters, W E.J.Simon Oct. 10 Marconi Co 11;16 ~~Electrose Manufacturing Co. 10/10~~ Returns print Lowenstein Radio Co. Oct. 11 furnish standard fluzers on all radio sets
356707	10-10	To Norf	Rqst if radio transmitting sets, gas engine driven, are satisfactory, W To Norf,re transmitting sets in stock,11-29
357170	SEE CARD 178		
357020	10-11	To West Elec Co	Fwds prints of gen 'l arrangement of amplifier and receivers, as rqsted by Phone, W
357216	10-12	To Key West	Rqst form re inventory receipts and issues of radio telegraph material, W To Key West Oct. 12 Back 17th
357304	10-11	To Phila	Inform is rqsts re renewals silicon W Phila fwds inventory. 10;21
357308	10-14	To Marconi Wireless Co	Micarta used in the consin of switchbd panels for standard Navy 2 KW spark transmitters W

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
319920		See CARD 152	To Wash. Reqts. that a sample H.Frequency Buzzer be tested & report made of same. W To Wash. Reqts. sample High Frequency Buzzer for test. 10/9 To Manhattan E.S.Co. Encl. copy of report by Wash. on sample buzzer 12-5
830 355380	10/7	To N.O.	Reqts. information re Rad. Transmitting sets.W New London Oct. 10 fwds change of material sheets
356522	10;8	Wireless Spec Co	Sub information of redelivery of transm sets which company can make. Wireless Improvement Co. Oct. 2. Request hold up onapproval of awards until bid was submitted W
356441	9;28	MI	Asks if bureau will furnish sets or if same shall be mfg at yard. W To S&A Reqts shipmt from Wash to M Is- 2 is Instrn radio buzzer traffic control sets 1 0-16 Shipment order received back 12;26
355995	10/8	To Wash.	Upon rect. of samples & prices reqtd. that a report be fwd. to SE setting forth recommendations. Washington-Submits report of test of insul. sub by Genl Insul Co. Cross to 911 1;15
356462	10;18	Marconi Co	Lists fuses being used ~~for~~ on contracts. W

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
356008	10/8	To Boston	Testing facilities at Boston not sufficient to meet demand.	
324756	~~10/~~	See CARD 155	To NY. Gives instruct. re changing finish of parts. 10/9	
355636	10/9	To 3rd. Dist.	Fwds. copy of report on British arc.	
356460	10/9	To Western Elec. Co.	Reqts. to proceed with construct. of model & test of same.	
356483	10/9	To Com.N.Atl.&WI Sta.	Reqts. arrangement be made to have Mr.Beals accompany representative of SE during inspection of British arc transmitter-LEVIATHAN.	
357898	10/4	Buffalo Forge Co.	Fwds invoice covering past due account requesting payment W	
6 357008	10-10	To S&A	Rqst shipmt radio apparatus Wash to Base #7 W Boston Oct. 15 To Bost- Sapce alloted satisfactory 10-30 To S&A Reqts cancellation of above 1-3	

RECEIVING & SENDING)

Number.	Date.	From or To—	Subject.	
355507	9;28 10;4	Dept Com	Infor as to latest British arc set W Fwd Commn10-15	
355616	9;25	MI	Sub sug in designing standard 1/2 kw panel transmitter set	
355615	9;24	MI	Receiver mfg by National Elec Sup Co, sub report in dir of operation of and rec same be improved. W Fwd Wash, 10-10	
355495	10;3	American Gas Accumulating	Aga radio receiver and latest improv detector, company's rep directed to report to Washington Yrd in con with W Fwd. Wash. 10/9 American Gas Accumulating Co 6;2 To S&A- Rqst name of American Gas Accumulator Co be added to mailing list- 6/17	

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RECEIVING AND SENDING:

Number.	Date.	From or To—	Subject.	
355497	9:27 10;4	Elliott Bldg Co Com	Req work in con with proposed radio sta near Monroe N C	
354943	10/4	To Wash.	Reqts. that rec'r. be tested & report made to B.	
354960	10/4	To NY	Reqts. corrected sheets be fwd. New York Oct/15 Fwds corrected sheets	
6 355495	10;2	American Gas Accumul Co	Test of AGA radio receiver, company rep directed to report to Washington in con with. W Marconi Co. Oct. 17 To American Gas Accum Co- fwd cy of rept 5-21	
356273	11-15	To C Gander c/o Delta Chemical Co	re suggestion for eliminating the spark gap in radio transmitter, comments on report from NY, W	
356168	10;4	Sperry Co	Conf tel conversation relative to req authority to purchase vacuum tubes from West Elec Co. W back 11:14 To Western Elec Co - authority granted 1 0-16	
356158	10;3	War Dept	Req Lt Conway be instructed to furnish three receiving sets to Alaska Military & Cable Tel System. W To S&A- Reqts- shipmt from Wash to Seattle 3 short wave receivers 10-11	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
354452	9;30	Clark Eastham Co	Fwds sample of buzzers showing changes and improvement. W To Wash. Reqts. that buzzers be tested & report fwd. 10/9 received back 11;19 To Clapp-Eastham Co. Rec'd a report from Wash. on the operation of your buzzer 12-5	
354034	9;14	European Forces	Reports fwd of syntonizer W	
352190	10/2	To T.B.Kincaide	Re ts. to com. direct with B. stating indetail nature of experiments.	
353769	10/2	To GE Co.	Asks to be informed o estimated size & weight of transmitter. To---States specfns covg dynamotor- 2/15 GE Co-Work started. W 2;19	
354113	10/2	To NY	Add. items to be included in shipt. of rad. transmitters overseas.	
354283	9;29	G H Clark	Report on test of British arc on Achilles.	

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.
354892	10:1	West Elec Co	Wireless receiving valve obtained from British, report fwd by express. W
355182	10;2	Phila	Radio 5 kw spark gap, fwds prints. W
355175	10;2	Phila	10 kw rotary spark gaps fwd. W
354147	10-3	To Marconi Wireless Co	Rqst two instruction books be fwd. Chatham W Marconi Co/ Oct. 11 To inspection book fwd Chatham Oct. 5
354683	10/4	To Sec.Nav.	Re add. equipt. reqd. of interfleet transmitting sets for use on battle ships. W
To Dept. Oct. 15 Relative to additional interval trans. sets required for use on battleship R.B. Oct. 17 approved			To----- In re above 10-15
354685	10/4	To N.O.	Reqts. corrected sheets be fwd. SE. New Orleans 10/10 Fwds corrected forms

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.
352098	9;19 9;24	Postal Censorship Com. Com	Package intercepted, C R Mercado, Mex City to Stockholm in connection with pattent covering detector for wireless tel to Sociedad Svenska and fwd copy pattent, asks if shall be allowed to proceed. New York 11.15 Fwds Communications 12/19. Received back from Com 12;21 Fwd. Director Nav. Commun. 2/5
352190	9;23	War Dept	Fwds letter from Hon A T Fullered and letter from C E Upton rel to T B Kinkaid who desires to obtain from Gov rec appartus for Gov work. To E C Upton, Boston, comments on above 11-8 Jamacia Plain T.B.Kinraid 11-13.Reqts authority to purchase radio material as listed
352368	9;24	American R R Corp	Fwds spec covering simplified kw transm with quotation cov.
351388	9/25	To Wireless I.Co.	Asks probable date of del. 9/25
351908	9/25	To Wash.	Encl. copy of report on audion type as a Dynatron. W
351912	9/25	To Boston	Reqts. samples of protective devices for test. W Phila 11;14 Phila- Productive device rec were wrong type. 12;3
		Phila-No samples received. 11; To Boston re protective devices 11-14 To Phila re same inform 11-14 To Boston, fwds copy letter, 11-26 To Boston. Reqts that 10 protective devices condensers be fwd. 12/7 To Phila re test of above. 9/25 To Phila- Asks when report of above will be fwded 10-28 To Phila. Reqts. ret. of prot devices 12/7 Rex	

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Number.	Date.	From or To—	Subject.	
352571	9/23	War Dept	Reqst ten copies of specfications and drawings covering receiving sets W	918
2 351832	9:25	NY	Sub report of reduced efficiency of Marconi receiver received from Clare. W To NY, re alterations to marconi type receivers	10-1
340490	9-26	To 3d Dist	Re difficulty experienced with type SE1000 amplifier, due to wax or amplifier tubes melting W	
352631	9-28	To S&A	Rqst shipmt radio apparatus Wash to Phila W	
352638	9-28	To S&A	Rqst shipmt radio apparatus Wash to Pg Sd W	
354034	9;14	European Forces	Shipment made 14th W	
329254	10/11	Phila. (From 169)	Fwds list material on hand Phila - 4;7	
	Phila- 12;6	Fwds list. To Card 223	To Phila, re reqn for radio transmitters	11-5
			Phila- Fwds list. 11;22	
			Phila- Fwds list. 11;29	
			Phila- Fwds list. 2;12	
To Phila- fwds copies of ins book				3-21
To Phila reqst fwd starters for use ships				3-21
			T o Phil asks info re test of type 3531	3-21

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
349651	9/18	To American Eveready Wks.	Asks explanation of batteries. W American Ever Ready Works- 9:21 To----Reqts. that in future correspond. refer to type CBG 3585. 9/26	
349655	9/19	To Marconi	Reqts. vandyke copy of & 3 blueprint copies of drawing. W Copley Mfg. Co- Fwds prints. 9;25	
350095	9/19	To NY (T)	Rda. head tels. expressed from Wash. 19th. W	
350505	9;18	Charlest Gander	Substitute for spark gap, req permission to sub plans. To NY Reqts. to submit report on Mr. Gander's invention. 9/26 To----Reqts. to commun. with NY. 9/26 To- --- Asks detailed description and sketches 11-9	
350772	9;19	Manhattan Elec Sup Co	Lists various material and and req bureau's assistance in pament covering. W To--Comments on radio set. 9-28 Fwd Cruiser and Transport Force 9-28 Manhattan Elec Co- Req action.	
350733	9;19	E J Simon	Photo showing status of 1 kw transm with report on. W	
350658	9/24	To NY	Author. to carry amts. listed of vacuum tubes in stock. W To S&A Reqts. shipt. of radio apparatus from Wash. to NY for stock. 9/24	

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
351063	9;20	Sims Copy 5166	Req Alexanderson radio receiver shipped to Colonel Ferre at once. W Com- Req shipment be expidited. 9;30 To Comm. Re Alexanderson rad.barrage rec'g. set for France 10/9 Communications Oct. 14
351212	9;19	American RR Corp	Copy of letter to special Brd N L in con with reasons why tel apparatus had not been used in quantity. W
351207	9;19	Wireless Improvement Co	Fwds copy of agreement to be fwd Sperry Co in connection with assembly on 50 receivers.
351312	9;16	MI	Synchonous rotary gap, fwds special report on. W
351310	9;21	London Radio Co	Recommends diagram for inside of gasket for 2 kw unit be increased 1/8th inch.
To NY re change in dimensions of gaskets			To NY Reqts. advise on change in design. 10/8
CARD 200	11;30	NY-Fwds modified prints 11-19 New York - 1;15	To NY- Asks what action taken of let of 10-8 To N' rqst investigation of above 11-18 10-29
351375	9/23	To J.Hays Hammond,JR.	States that a NavOrd. retqd/ sent to his address covering purchase of apparatus. W

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
343673	9;10	Radio Test Shop Wash	Submits copy of report covering test of Mignon.	
348886	9;10	Moorehead Lab	Req information in connection with test tubes sub-~~Jan-Ore~~ March 1st. W To-- It Is possible to submit report of work on vacum tubes. 12/20	
348976	9;14	S W Dawson	Spark gap plates in wireless apparatus at NY, req report of operation. W To----Replying to above. 9/18	
343395 Fwd Wash To Phila Rqst if radio recd 11-21	9/16 10-1 To Phila- Reqts that test of Dubilier condenser be epsedited10-28	To Phila.	Re sample British Type 9 Radio Transmitter. W To Wash. Reqts. that all apparatus re above be shipped Phila. 9/16 To S&A Reqts. shipt. of rad. apparatus from Wash. to Phila. for Laboratory. 9/16 To Phila, re radio transmitter, 9-28	
349212	None	J Firth	Relative to West Elec Co supplying him with bulbs for experimental work. W	
349206	9;14	Industrial Control Co	Radio tel store equip, fwds specifications. W	

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.
348843	8;28 9;14	Rec Ship Norfolk Com	Req receiver for instruc of arm guards radio men. To S&A Reqts. shipt. of radio apparatus from Wash. to Norf. for Rec'g. Ship. W Shipment Order 1;21 RB 2;12
349431	9;5	MI	Use Navy D audion tube as a dynatron, fwds report
307110		See CARD 137	To Wash. Encl. copy of let. 9/9 giving information reqtd. 9/17
349047	9;16	Dr L W Austin	New method of using detector for radio measurments. fwds report on. W
349807	9;17	West Elec Co	Test specification, fwds copy together with comments on. CW 931 tubes W Fwd. Wash. 10/9 back 11;9 To--Returns testing specfns 11-16
349782	9;16	NL Sub Base	Req complet instrc for use of each individual type of audion bulb W To NL Sub Base. Re difficulty in operation of tubes. 9/24
348752	9/18 BoStOn, Oct. 8 Comments on type CR 1126 W Rec consid be given International R T Co apparatus. 10;28	To To Coms. & Ind.Mgrs.	Re radio transmitters for installation on Submarines. W Washington - 10;3 Norf. Oct 8

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[OVER.]

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
346918	9/12	To Wash.	Encl. copy of aver. characteristics of 3 types of vacuum tubes. W
347682	9;4	MI	Fwds report on one-quarter kw tramsm.
347654	9;11	West Elec Co	Reports trouble in obtaining resistance wire for rheostats. To— re amendment of specfns, 11-8
344067	9/12	To Mare Is.	Re Protective devices for Emer. Transmitters. W To Mare Is. (T) Use of protective devices on emer. rad. transmitters authorized. 9/12
346826	9/12	To Wireless I.Co.	Encl. instruct. for inspect. & cal. of rec'rs. W
347575	9/12	To GE Co. (T)	Authorizes sending vacuum tubes to NL by sp. messenger. W
348293	9/13	Bost. T.	Records show no failures due to inefficient protective devices W
	Wireless Oct. 18	Specialty Apparatus Co. Requests approval of set of additional protective devices W	To Wireless S A Co Comments on report recd 9-28 Wireless Spec Apparatus Co-Will fwd prints W 9;30
	To Bost-	Wireless Spec Co-Req action Authorized test of above app- from Wireless Spec App Co 10-23	To Wireless Spec App Co- RE additional devices to 1/4 KW emergency sets 10/14 Bos-Fwds rep test 10;30

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
348300	9;7	West Elec Co	Vacuum tube sockets, fwds plans. W To——Tracings have been modified in accord. with van dyke copies fwd. 9/25	
342136 SEE CARD 180	Boston Oct. 17 Sample key for test No. 9010 To Bost- 10 KW sets be fwded 10-23 To Bost (T) Expedite test and draw-in s of 10 KW radio relay key 10-26	See CARD 165 Asks that sample key for	To Mass. Asks status of experimental 10 KW hand & relay key, 9/13 to fwd same to NY. for test. 9/13 To NY. Key ord. for test from Boston. 9/13 Boston - 9;20 To Boston, re hand and relay key, 10-1 To NY, re same information, 10-1 Boston - 10;28 Fwds switches. Boston-Sub rep 11;21	
347800	9/3	To Western Elec. Co.	Method of testing Audion Control boxes satisf. W	
347842	9/13	To S&A	Reqts. shipt. of radio apparatus from Wash. to Norf. for vessels. W	
348426	9;10	War Dept	Fwds report on use of radio frequency amplifier for new magnification W Fwd. Wash. 9/18	
329254 SEE 171 343385	Phila-Fwds list of material on hand. 9;21 Phila-Fwds list Phil - 9;26 12:24 Phila- Fwds list material on hand for Interfleet radio sta. 9/14 To NY (T)	See CARD 165	To Phila. Gives list of material for Radio Transmitters. 9/14 Phila-Report of insulators sets on hand, 2 let- Phila-Fwds list of material on hand. W 9;23 To Phila. Gives assignment of transmitters 9/23 Phila - 10:1 Phila - 10:4 Expedite shipt. of tracings & films. W NY-Fwds 16 prints. 9;19	
347654	9/14	To West. Elec. Co.	Investigating difficulties in use of Nichrome wire. W Weston Elec Co - 9;26	

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[OVER.]

RECEIVING & SENDING: 1918 Duplicate 167

Number.	Date.	From or To—	Subject.
342748	8;28	Wireless Imp Co	Fwds photoes of new 2 1/2 kw arck type radio transmitter, comments on W
	To Wireless Impr Co 12-26		To---- Reqts. repbrt on various parts of apparatus differ, for stand. 9/13
	To---- Arc not desirable design for Naval Use 12-26		Washington-Fwds report of test on arc conv sub by Wireless Imp Co. 12;21
	Wireless Improvement Co 1;2		To Wash- Reqts that 1/2 KW transmitter be returned
342731	8;28	Washington	Fwds copy of report of test for sample short waive meter sub by Wireless Imp Co. W
343657	9;3	Sims 4038	Req samples of transm valves be fwd to London for British Sig School W
			To S&A Reqts. shipt. of rad. apparatus from Wash. to Sims ,London. W
			To S&A Reqts. shipt. of radio apparatus from Wash. to Sims for British Signal School. 9/16
343395		See CARD 169	European Force 11;27
343989	8;30	West Elec Co	Have discontinued mark type number on tubes, same are now being etched in accordance with sample being fwd. W
			To----Re etching of type # on vacuum tubes.9/11
344067	8;23	M I	Emergency transmitter for destroyer test, indicate insuf protective devices furnished, req authority to use present stock to protect generator. W
			To Mass. Re add. protective devices for Emergency transmitters. 9/13
343438	9/5	To Inst. of Rad. Engrs.	Have no further objection tox publication of book. W
			Inst of Radio Engrs 9;7
344488	9/5	To Wash.	Fwds. report on test. W
344454	9/7	Fwd. Operations	re rad. transmitting set. W
344544	SEE CARD	175'	

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
345674	9/9	To GE Co.	Re report on 5 KW spark gap units. W G.E.Co. Oct. 12 Can furnish satisfactory electrobes To NY- Fwds above let- Asks investigation and report 10-17 To GE- Reqts that dups of above plates be fwded ~~XXXXXXXXX~~ Dept for Test 10-17 New York - 11:14 GE Co-Reqst place order. 6;20	
346066	9;4	West Elec Co	Fwds copy of let to and from Experiment station NL relative to packing tubes. W	
346097	8;30	NL Dist Base	Reports receipt of 10 special vibration proof detectors for radio tel W	
346723	9;9	Wireless Improvement Co	Gives actual cost of one kw spark transmitter	W
346167	9/10	To Phila	Gives shipt instructions for receivers	919
318193	8/21	Fwd. Wash.	~~for~~ Fwd. for information & action. W	
346827	9/11	To Westinghouse	Encl. instructions for inspect. & calib. of rec'rs. W	
346912	9/11	To Westinghouse	States that the incorporation of condenser plates as shown on drawing should ~~be allowed~~ not be allowed to hold the production of receivers. 9/11	
346917	9/12	To Wash.	Encl. copy of RM sA 157A comm. on use of alternating current for lighting audion filements. W received back 9;17	

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[OVER.]

Number.	Date.	From or To—	Subject.	
344546	9;3	West Elec Co	Sub report on conditions , stock order for radio transmitters W	
4				
344545	None	Chatham TEL	Baldwin phone shipped on bibl of lading Fwd Chatham 11-4	7;3
344554	8;30	Dept	Offer one kw radio set made Clapp Easthap Company for sale. W	
345161	8;28	Key West	One C N receiver being shipped to Washington	
345384	9;4	E J Simon Co	Fwds list of rec spare parts for 1/2 and 1 kw transmitters W	
345333	8;27	M I	Fwds special report on audion light with alternating current. W	

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RECEIVING AND SENDING.

Number.	Date.	From or To—	Subject.	
344843	8;28 9;4	Rec Ship Norfolk Com	Req receiver for instruc, of arm guard radio men W Fwd. Comm. 9/12	
345500	9/7	To Western Elec. Co.	Have no objections to sale of tubes to Firth. W	
298782		See CARD 127	To Dubilier C.Co. Gives results of tests on condensers. 9/14 Dublier Cond Co-Reqst auth to submit, bill. 7;23 To Dubl Cond Co-Cond will be shipped at once, 8;28	
343345	11;14	Phila	Fwds report of test of special dublier condenser.	

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.
316985	8/26	To S&A	Reqts. shipt. of radio apparatus from Wash to & for Brest. W To S&A Same as above for Gibraltar. 8/26 To S&A rqst cancellation shipmt order to Gibraltar, 12-11 RB 5;5
339797	8/23	To Western Elec. Co. (T)	Libbey Glass Wks. matter laid before War Labor Board. W
340291	8/23	To Western Elec. (T)	Reqt. Lyng or Colpitts visit SE 8/26. W
340309	8/27	To Sperry G.Co.	Renegotiating with Wireless ICo. for using equipt. to exp.manf. rec'rs. W To Wireless ICo. Ack. reqt. of let. of 9/4 & comments on same. 9/11
340878	8/27	To Wash.	Wireless Improvement Com 9;4 Fwds. drawings. Rec back 8;30 To GE Co. Asks statement on conditions under which etsts were made. 9/5
341498	8/27	To GE Co.	Reqtd. to proceed with manf. of pliotron tubes. W
340292	8/26	To Norf.	Fwd. under separate cover 2 copies of booklet. W
342136	8/28	To Boston	Reqts. that 1st sample model of key be del. NY for test. W
SEE CARD 168	NY-Rec. Bost Yrd. by 14th	W 9;9	fur for test
342137	8/28	To NY	To NY. Encl. copy of above. 8/28 Reqts. 3 sets of vandykes of drawing. W NY-Fwds vandykes 8;31

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RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
329254		See CARD 158	To Phila. Fwds. Instruction Booklet and gives further instructions. 8/29	See CARD 168
To Phila. Gives list of assignment of rad. transmitters 9/12			Phila- Report of material on hand 7 & 9, interfleet radio sets.	
Phila- Req list material be fwd. W 9;14			Fwds. blueprint copy of drawings listed. W	
340026	8/29	To Liberty Elec. Co.	Liberty Elec Corp-9;3	
Phila - 9;26 Phila. Oct. 19 Fwds list of material			Phila-Sub list of material on hand for radio sets. W	
Phila 9;25 Phila. Oct. 15 Fwds list			9;30 Weston Elec Instrum Co 4;5	
340072	8/29	To Wash.	Reqtd. that vibration tests be made on apparatus. W	
340638	8/29	To Wireless S.Ap. Co.	Suggested that you com. with the Century Tel. Co. W	
341385	8/29	To Norf.	Reqts. to expedite tests. W	
			To-----(T) Test crystal detectors under severe vibration on Sub chasers . 8/30	
342139	8/29	To Boston	Gives order in which shipts. of radio transmitters . W	
342141	8/29	To GE Co. (T)	Reqts. shipt. of power tubes. W	
			To Wash. Re shipment of tubes to NL. 8/31	
342459	8/29	To Phila.	Fwds. 5 copies of Instruction Booklet. W	
To Norf. Fwds. copy of instruct. Booklet. 8/30			To---- Gives instructions for tests. 8/30	
			To NY. Fwds. booklet re spark transmitters. 8/30	
340882	8/30	To Wash.	To Phila. Gives instruct. for tests. 9/6	
			Fwds. vandykes. W	
			Phila 9;25	
342748	9;16	Wireless Improvement Co	States their rep Mr. Berith will arrive in Wash to assit in test 2 1/2 kw arc converter. Fwd Wash 10-15	

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[OVER.]

RECEIVING AND SENDING

Number.	Date.	From or To—	Subject.
329254		SEE CARD 165	Phila. Oct. 17 Fwds list of materials
	Phil 3-22	Submits list of materia	Phila. Oct. 21 Fwds list
	on hand.		Phila 10;25 Fwds list of material
	Phila- 3;26		To Phila- Reqts that future reports indicating material on hand for type SE 3531 radio trans mitters inculue a list of vessels to which sets are shipped 10-29
	Phila-Report of material on hand 3;29		
	To Weston Elec Ins Co Tel 4-4		Phila-Fwds list 10;31
	Philadelphia 4;12		Phila-Fwds list 11;2
	Phila- Submits report 4;25		Phila-Fwds list 11;23
	To Phila- comments reserved		Phila 25th 23rd 22nd
	until reported reviewed in detail 5-8		Phila Dec. 10 - Fwds list
			Phila- Submits report 12;30
			Phila- Submits list. 1;6
			~~New York - 1;13~~
			Phila-Fwds material report 1;13
			Phila- Submits list 1;20
			Phila-Fwds list 1;27
			~~Phila - 2;3~~
			National Elec Sup Co-Material shipped Phila 1;20 W
			To Natl Elec Supply Co Rqst info concerning progress of work 2-8
			to Inspr Boston-Rqst expedite delvy 15 type SE 3544 motor generators, etc. 2-8
			To Inspr Milwaukee-Rqst expedite delvy of 10 110 volt hand-starters, etc. 2-8
			To Comdt Phila-Rqst expedite delvy of matrl-2-8
			To Inspr Brook-Rqst prompt delvy of Morse keys ordered from Adams-Morgan Co. 2-8
			To Inspr Brook-Rqst expedite delvy of parts for Intra-Fleet 1KW transmitter. 2-8
			To Cdt Phila- Rqst future production reports of Type SE-3531 transmitters be modified- 2/19
			Inspr Brook-Sub report on delivery of parts. 2;24
			Phila-Fwds report of material on hand for 126 Inter fleet radio sets. W 2;24
			Phila 3/1
			Inspr Brook-Will commence assembly as soon as material is received. 3;11
			To Inspr Brooklyn- satis del not made re blowers Weston Co, asks stepa be taken expd 3-27
			To Inspr Boston- asks expedite shipment gen HC Co- 3-27
			To Inspr Boston Tel 4-4

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
376637	12/12	To. S&A	Reqsts shipt from Wash to SE Wash pratice tel egraph keys and high requency buzzers W 918	

RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.
339797	8;19	Western Elec Co	Sub infor re strike at Libby Glass Works Toledo, O. holding up work at Western Elec Co, reqst bureau take action. W
340072	8;21	SIMS Copy 314	Rec destroyer and aircraft amplifier be mounted verticle. W
339832	8;19	Boston	Conf tel conv asking which two auxiliaries are mostly needed for yard.
340495	8;22	West Elec Co	Sub infor in connection with proposed test for audion control boxes.
340535	8;12	NY	Suggest in type CM 113 A radio receiver mfg by National Elec Supply Co. Fwd. Wash. 8/28
340692	8;24	Anthony Machine & Elec	24 ninety-eight units of 1/2 kw selfcooling gaps in stock, asks if can use. W

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
340648	8;21	Century Tel Cons Co	Reqst prints which will be furnished Wireless Spec Co W	
341240	8;23	Marconi Co	Sub infor in con with redesign of short waive receiver. W To-----Reqts. vandykes of receiver. 8/30	
341016	8;26 Received back 2;1 To M1- material ship 11-9-18 6-18 To FSB- status of ship req 8/5 RB 8;19 To 15th Dist-Fwd 8;23 RB 1/17 fwd NY 9/30/19 RB Copy 10;9	To S&A 10 (7 letters)	Reqst shipment of radio apparatus from Washington to and for radio stations. W To S&A Same as above.(2 letters) 8/27. Shipment order back 12;20 Shipt order August 26 RB 1-2-19 Ship Order received back 1;10	
341385	8;23	Norfolk	Micrometer adjuster detector, reqst disposition of. W Norfolk- Report receipt of micrometer detector.W	
341436	8;17	Sig Corps	Acknowledges receipt of frequency amplifier W	
342217	8;16	Mare Island	Fwds prints giving report of test on Deforester receiver. W	

RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.
337523	8;13	ashington Yrd W	Marconi bulb transmitter developed at reqst of bureau, fwds report of test. W To Marconi. Reqts. list of production costs.8/31
337533	8;13	G L Martin Co	E. S McCullough has sub transmitter, reqst be advised when dept is ready to test in order that he may be present. W
292482		See CARD 122	To NY. Re Additional Radio Frequency Ammeter for 1/4 K.W. Emergency Sets. 8/14
337046	8/15	To Dubilier Condenser Co.	Reqtd. that they fwd. 3 protective devices. to Phila. for test. W To Phila. Gives instructions for test of above. 8/15 Dublier Conds Co - Fwds prints of protective devices. 8;26
338772	8/14	GE Co	Reports shipping 20 200-watt transmission tubes; expect to reach capacity of 50 per wk during Sept- W
338743	8/16	E J Simon	Pliotrans; rqst assistance in securing 6 from GE Co W TO Simon. Reqts. further information.8/27 E J Simon - 9;4
332659	7/31	Cruiser Force	Rec all vesls of cruiser and transport force be eqpt with transmitter operated by storage battery 882-1

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N.S.E. Form 134.

RECEIVING & SENDING

Number.	Date.	From or To—	Subject.	
338835	8/8	Mare Island	Fwds VanDyke reports on tests and insp of 1 KW K&C	
338931	8/19	T B Jewett (T)	Libbey Glass Co advises of general strike at plant; will affect production of vacuum tubes unless settled - W Fwd. Secnav. 8/21	
339551	8/22	To GE Co. (T)	Reqts. representative visit SE. W	
341233	8/19	USS L-7	Reports on unsatisfactory radio install recom no more Kilbourne & Clark radio transmitters be n installed on submarines W	
329269		CARD 158	NY 8/17 To NY. Reqts. that a tabulated report be prepared as outlined. 9/12	545-6
338104	8/17	To GE Co T	Rush dels watt tubes for Marconi	918
~~337~~				
339076	8/12	3d Dist	Submits report from station at 44 Whitehall St of wax in base of audion bulbs melting during hot weather due to lack of ventilation. Fwd. Wash. 8/23 received back 8;17	
339431	8;12	Mare Island	Sub report of test of WSA CO emergency transmitter. W	
340096	8/24	To Ramsey Hogget	To Wireless S.A.Co. Calls attention to defects of transformers. 9/9 Advises re purcha e of long wave receivers	896

To M Is- Gives info re addi Em trans about to be built L-16

To MI advises Bosth author to fwd devices 3-27

Number.	Date.	From or To—	Subject.
335539	8/7	Federal Tele Co	Fwds copy of letr from Boston with regat prints and wiring diagram of radio transmitter. W To Boston. Fwds. blueprint. 8/30
335356	11-23	To Splitdorf Elec.Co.,	Approves instruments similar to sample submitted. W Splitdorf Elec Co - 11;26
335318	8;7	International R T Co	Copy of letter from Marconi Co stating have secured manual 1 k w panel transmitter.
335313	8;7	Washington	Specification for vacuum tube as issued by Sig Corps, fwds prints and copy of. W
335287	8;7	International R T Co	Diagram of radio transmitter, reqst interpretation of specification W International RT Co 8/19. To— Gives instructions on spark transmitters. 9/19
335291	8;7	Washington	Submits report of test Mignon long waive receiver. W 905 To Mignon Wir.Co. Gives report on defects of receiver. 8/10
335699	8;5	Insternational R T Co	Reqst that sample of 1 k w panel transmitter be fwd for inspection.
337362 339913	8/13 8/20	Atl Sub F R	Unsatsy receivers, rqst same be replaced 907 Sub report conditions rel charging small batt of main radio receiving sets W 79-Q-6

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
336163	8;9	War Department	Asks if amplifiers ordered by War Department on contract 42947 have been shipped.	
335140	8/9	To S&A	Reqts. shipt. of radio apparatus from Wash. to Boston for experiments. W Boston 9;30	
335154	8/9	To Phila.	Reqtd. that Phila assign 100 prot. devices for rad. transmitters. W	
334572	8/13	To Norf.	Gives instructions for test of detectors. W	
		To NL.	Same as above.	
		To Norf.	Asks status of tests on detectors. 8/27	
		To NL	Asks status of tests on detectors. 8/27	
335871	8/13	To Amer. Eveready Wks.	Explains statement re 753 battery. W American EverReady Works 8/15	
337022	8;9	Norfolk	Fwds photographs.	
337378	8;14	G E Co	TEL: Have shipped 20 200 watt transmission tubes during past three weeks, production difficulities overcome W	
337648	8;13	Phila	Shore waive transmitter, confirms tel conv/ rel to mfg of. W	

Norf. Oct. 21 Request action
To Norf- Detectors re Indus Mgr
let of 10-21st should be turned into
store 11-2

To Wash,re test of detector, 11-29

RECEIVING & SENDING 1918

Number.	Date.	From or To—	Subject.	
321489		See CARD 153	To Western Elec. Co. Drawing of battery box to take type CBC 3535 "B" batteries is satisf. with exceptions stated. 8/5	
	NY- Fwds vandykes 8;7		Charleston 8;3 Pg Sd - Submits detailed rep.	
To 8, 10,11 Dist. Fwd. copy of let.7/2. 8/8	Fwd. Wash. 9/3		Reqtd. to fwd. dupl. set of vandykes. W	Ports-11;21
332217	8/5	To Marconi	West Elec Co - Submits comments on . W	8;28
	Wash-Fwds report test on motor generator sub by West Elec Co 12;6		West Elec Co- Fwds unsigned letter in connection with meters. W	
			Norfolk-Fwds prints. 10;26	
334159	8;2	G H Clark	Re design of dejector for standard radio receiver, submits report of.	
	8;2	CO MINN	Fwd. Wash. 8/10	
324671	8/6	To J.M.Cory 911	States that Lowenstein will not del. insulators intil 8/21. W	
324755	8/6	See CARD 155	To Asbestos Wood Co. Asks to expedite del. of asbestos wood. 8/6 To Johns-Manville Co. Asks to expedite del. of asbestos wood. 8/6	
SEE CARD 152	J-M Co 8/15.		Charleston---8; To Walker Bros. Advises that refers to shdn starters. 8/10	
	Walker Bros & Haveland - Reqst draw. show. layout of automat str.			
334193	8/6	To Manhattan E.S.Co.	Reqtd. to proceed with manf. of 50 Morse keys. W	
	To---Reqts. that manf. of bal. of keys be proceeded with. 9/23		Manhattan Elec Supply Co 8;9	
	Manhattan Elec Co- 9;26		To----Shipping directions for keys. 9/9	
332614	8/6	To Western Elec. Co.	Have no objection to sale of 6 tubes to Goldsmith of College of NY. W.	
334577	8/8	To Ind.Mgrs.,Coms.,Insp. & Firms	Fwds. vandykes of drawings. Re installation of amplifiers on TBDs. W	
To Insp. N.News. batteries may be used. on amplifier. 9/5			Charleston 8;17	
To M is (T) ship radio complete 9-30			Newport News 8;29	
To Ports, dwgs being modified, 10-1			Ports- 9;24	

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RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
33474 O	8;6	Washington	Reqst 4 amplifiers 8 battery audion bulbs be furnished to radio station. W. To S&A Reqts. shipt. of radio apparatus from Wash. to Wash. for Rad. Rec. Room. W 8/8	
323859.	8;4	Boston	50 antenna condensers will be required. To Boston, comments on condensers rqd 11-13 To Comdts, re series antenna condenser to be used with quenched spark transmitters, 11-15	
334895	8;6	Radio Test Shop Washington	Fwds vandykes of twostep amplifiers. W	
33013	7/29	To Boston	Auth removal of comm betw spark gap rod & 1st quenched gap plates 5-KW wireless specialty transmitter & asks for report	629
Wash-481	8/5	Wash Yd	Comments on faults noted by Mare Is on type SE-392 wave meter	629
324671	8/7	To Lowenstein	Asks to expedite del. of insulators. W	
334037	8/6	To Simon (T)	Author. to copper plate parts quenched gaps. W	
334200	8/7	To S&A	Reqts. shipt. of portable rad. set from Wash. to Phila. for Rad. Laboratory. W To Phila, Rqst acknowledgment of above 9-28	

RECEIVING & SENDING SETS 1918

Number.	Date.	From or To—	Subject.	
327618	7/31	To Dubilier Cond.Co.	If have full descript. of apparatus same desired & asks why alteration letters were used without B's approval.	
334576	9;16	Norf	Fwds yandykes, report of test of wireless speciality micrometers adjustment cylicon detector. W	
332614	7;30	West Elec Co	Fwds copy of Prof Goldsmiths letter to West Elec Co ordering vacuum tubes for radio laboratory work, reqst bureau's assistance.	
332285	7;31	Naval Com	Fwds tel from North America & West India Fleet relative to supply of type 16 W/T sets to Navy Dept for experimehtal purposes. W To Vice Adm. Grant. Duplicate copies of specifications with drawings reqtd. 8/7 To V-Adm.Grant. Reqts. dupl. copies of specifications. 8/27	
332722	7;29 7;31	E J Simon S&A	Reqst details and information relative to award to the Fed Tel Co of 250 2 1/2 k w arc transmitters. W Fwd. S&A 8/7	
330370	7/29	To C&R	Explains soundproof receiving booths for battleships	876
327621	8/1	To Nat. Lead Co.	Reqts. report on production of moulded parts reqd. in manf. of rad. wave changers. W	
		National Lead Co - TEL: Can see no reasons why Dickinson mids cannot be used with equip, will be put in immed operation if shipped. 8-2		
327622	8/1	To Boston Inspr Brk 8;13 To NY.	Re molds for Rad Man. by Nat Lead Co. 8/16 Asks for sample of hand & relay key for test. W Reqts that inspect. be expedited. 8/22	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
327623	8/1	To Lowenstein	Reqts. report on hand & relay key. W
			Lowenstein Radio Co - Fwds prints 8;5
			To Marconi. States have notified NY & Marconi to rept. keys for modification. 8/10
			To Marconi. Reqtd. that any defective relay keys be rptd. to Lowenstein for modification. 8/10
		Boston - Keys not rec at yard 8;15	To NY. same as above. 8/10
327625	8/1	To Mitchell R.Co.	Asks status of unsuitable paper used in manf. of quenched spark gaps. W
			To Marconi. Fwds. copy of reply re fish paper. 8/9
333209	7;29	Council of National Def.	Meeting to be held 8;1 in connection with development of shore range radio, reqst assign officers to attend. W
333167	8;1	F E Gilbert	Asks if orders have been placed with any wireless company for radio sets. W
331018	7;31	Ward Leonard Co	Old Number
330378	8;1	Atl Sub	Old Number
333099	8/3	To Clev. Swicthbd.Co.	Fwds. drawing. 8/3

RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
330214	7/26	To S&A	Reqts. shipt. of rad. rec'g. sets from Wash. to & for Dist. Base NL. W To N Lond. Rqst if radio recd 11-20 To—Reqst. return or recpt. form. 2/21 RB 3:30	
330215	7/26	To Wash.	Gives list of reports rec'd from "Giornale L'Elettrotecnica". W	
330368	7/27	To Wireless SACo.	Reqt. coil be fwd. at once to be passed upon. W GP 7/16 (?) - Rept copy letter 7/26	
330820	7;26	West Elec Co	Fwds samples of markings used for vacuum tubes. W	
NY-725	7/27	To Simon	Calls attention to fact of complaints re breakages on 1/2 KW spark gap frame. Rqtd to inspect present castings with a view of stiffening the patterns in parts	629
328487	7/22	To NY	Author to purchase 30 sets of remote control eqpt	900
325847	7/29	To Ward Leonard E.Co.	States that reqrts. of specificat. for coil may be changed. W	
328727	7/29	To Insp. Chicago	Asks information re knockouts on boxes. WS	
330378	7/29	To Com.SForce. Atl.	Reqtd. to confirm decision arrived at in conference in re to not equipping Subs. under "L" class with amplifiers. W	

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
330386	7/29	To GE Co.	Asks to ship sample of type CG916 power tube for French High Com. W To ------ Reqts. reply to let. of 7/29. 8/13 G-E Co - 8/16 (T) - Rqst copy letter of 7/29. To-----Fwds. copy of let. of 7/29. 8/22 GE Co- 8;30
331413	7;27	New York	Sub report of test of high frequency sub by Monk Sup Co., recommends acceptance. W
331737	7/27	Atl Sub	Rqst 1000 radio amplifiers be suppld to sub list 907
331592	7;27	Boston	Conf tel conversation relative to set for destroyers. W
331018	7/30	To Ward Leonard Co.	Reqts. prices on dels. 50 3 ohm,a.c. fixed resistances. WS
331019 To----- 9/11	7/30 States	To DeForest R.T.&T.Co. that material satisf.	Calls attent. to non compliance with instructions. W DeForest Co - 8;1 Deforest Co - Can only send vandykes for audion control boxes. Fwds vandykes showing diagram To-----Satisf. to submit vandyke drawings & wiring diagram. 8/29 DeForest Co - 8;30 Fwds vandykes prints showing connections to panel transmitter. W
332047	7;29	Marconi Co	
332211	7;30	Lowenstein Radio Co	Reqst return of high frequency arc loaned to bureau about two years ago. W To Lowenstein Arcs will be returned 11-6
308952	7/31	To S&A	Reqts. shipt. of radio apparatus from NY be cancelled. W Received back 8;28 Re shipment of Sperry Emergency Transmit. sets for vessels of Mine force 9/16

S&A-Cancellation rec after material loaded for shipment 9;9. To S&A.

RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
329248	7/23	To H.Scutt	States that set has been sent to fleet for test.W To—.Comments re above transmitter.11-27 Metropolitan Life Insurance Co.-11/29; request early action, on test given transmitter. W Instrns have been issued to have transmitter returned from USS PENNSYLVANIA and fwded to 601 West 179th St. NY city. 12/18 GL-Spare parts listed received. 12;20
328617	7;20	Washington	Submits report of test made on audion bulbs with special ref to Moorehead tubes W. To---- Asks if can furn. 4 add. copies of report of teston audion bulbs. 7/24 Fwd. Wash. 8/13
328627	7;21	4th Dist	Reqst 12 old style Morton Vibroplex machines be fwd.W To Vibroplex Co. Reqts. quotations 12 old s.M.viproplex send.mach. 7/24 To---- Reqtd. that requis. covering purchase be prepared & fwd. for approval 7/30
32884	7;16	National Research Co	Chrystal director and their uses, report and discussion of on 7;18 and asks officers name who will attend. W
323724	7/24	To Boston also toComs., I.Mgrs C.in.Cs., & firms. To NL. States that drawings will be fwd. within a week. 8/23	Amer. Everready dry battery #763 use for rad. wk. disapproved. W New London Dist Base 8;7 Mare Island 8;13 Inspr Pitts - 8;15. To NL. Encl. drawing.9/14
329254 See CARD Dup.165	7/24 To S&A. Reqts. shipt. of radio apparatus from Phila. to for LOUISIANA.. W 8/19	To Phila. Ph-Fwd list Phila 9;19	Phila. Oct. 11 Fwds list Makes provision for assembly & test of transmitters. W To ---- Reqts. that manf. of condenser racks & primary fittings be expedited. 8/8
323859	7/26	To NY To Phila. Author.	install.of transmitters on vessels listed.8/21 Asks if estimate cont. in let. of 7/18 includes suff. condensors for reqts. W To Norf. Same as above. Phila- 9;12 Phila- Fwds list of material on hand - 9;14 & 16

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N.S.E. Form 134.

RECEIVING & SENDING: SETS

Number.	Date.	From or To—	Subject.
328240	7;17	Signal Corps	Confirms delivery to L C Horle of sig corps vacuum tubes W
329860	7;16	Mare Island	Spare parts for 200 k w transmitters, rec same be shipped. W
329257	7/25	To Cutt. & Washl	Not believed desirable that your Co. submit a bid for the manf. of this apparatus. W To Century T.C.Co. Not considered desirable that your Co. submit a bid for the manf. transmitters. 7/25
329269 To NY	7/25 Not advisable to introduce any radical modificat. in design of Marconi gap holder. 8/12	To Com. Boston Ind. Mgr. NY	Asks report on mechanism of gaps & switches. New York - Fwds sketch 8;5 Boston 8;4 To NY. Quotes report from Boston on trouble with gap holders. 8/10 NY Oct. 15 Fwds report of test
329270	7/25	To Nat. Elec. S.Co.	Author. to use tubing of whichever dimensions permits of quicker manf. W
329275	7/25	To S&A	Reqts. shipt. of radio rec'g sets from Wash. to NY for vessels. W
329916 To---	7/25 Reqts. reply to let. 7/25. 8/27	To NY	Reqtd. to fwd. any notes in possession of Rad. Laboratory in order that the glass rectifier may be eliminated on all transmitters now in naval service. WS New York - Not report of Simpson transmitter. 8;22
329919	7/25	To S&A	Reqts. shipt. of Radio apparatus from Wash. for & to 3rd. Dist. Shipment order 7;25 received back 8;2 To 3rd. Dist. Reqts. recl. of Rad. apparatus shipped. 9/14

CARD 163

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[OVER.]

RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
327538	7/19	To NY	Reqts. vandykes of drawings listed in let. New York - Fwds vandykes 7;31	
327539	7/19	To Phila.	Reqtd. to fwd. vandykes of drawings listed in let. Phila Fwds prints 7;31	
327540	7/19	To Boston	Reqtd. to fwd. vandykes of drwings listed in let. Boston - Fwds various drawings. 7;26	
327616	7/19	To Western Elec. Co.	Will be satisfied with a 20 hr. tube. W	
327903	7/19	To Sperry Gyro.Co.	Confirms tel. conversation re del. of rad. rec'rs.	
326654	7/19	To 9th. Dist. (T)	Asks if they have gasoline engine KW set available for Pt.Huron. or cannot DC dribe be used. W	
327161	7/20	To S&A	Rqts shipt of GE pliotron tubes from Brook to Rosell Park for Inspr Marconi	918
327902	7/18	To Wash	Rqts to modify 4 recrs making them suitable for use with 30" rad. compass	919
327870	7/17	Atl Sub	Copy-Submits report of operations of receivers on O-boats-rqst amplifier be obtained for	574-5

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Number.	Date.	From or To—	Subject.
326921	7/22	To Com. of Patents	Calls attent. to article re voltaic pile for use as a "B" battery. W Patent Office - 8;1
327534	7/22	To Com.NL	Gives tel. conversation re transmitting audion tubes. W
328484	7/22	To NY	Gives in details difficulties experienced with transmitters. W New York - Fwds report of Dublier mica condenser for use as series antenna condenser. Cross to 882-1
328485	7/22	To Wash.	Reqts. 3 vandykes of drawing. W Washington 7;31
328726	7;20	Western E Co.	Filters,reqst. that gov inspec be informed that removal will be accepted. W
329202	7;9	G E CO	Copy of letter to West Co. reqst action in connection with modification to specification for vacuum tubes. W
329176	7;20	G E CO	Reqst nameplates Nomenclature for transmitting sets. To---- Gives name plates. 7/30
328977	7/23	To Cutler-Hammer Mfg.Co.	Recomm. modifications be made in starter. W Cutler Hammer Co- Req authority for rep to visit Norfolk in connection with. 9;24

RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
325119	7/13	To Marconi Co	Reqts. report on state of completion of spark transmitters. W
324740	7/16	To Marconi Co	Reqtd. that antenna be dismantled. W Marconi Co 7;22
323847	7/16	To Ward Leonard E.Co.	Gives report of test of circuit breakers. W Ward Leonard Co 7;22 To Cutter Elec.&M.Co. States that coils may be modified. 7/29
325854	7/16 To ----Reqtd. that manf. of spare part boxes be proceeded with immed. 9/14	To Buffalo Forge Co.	Reqts. that steps be taken to insure del. elec. blowers. W To ----- Reqtd. that B. be informed as to add. cost of the above equipt. 7/17 To----- Asks if they are able to make reqd. dels. on blowers. 7/25 CO PENSCOLA 7;27
326912	7/17	To S&A.	Reqts. shipt. of radio amplifiers for Exp. Station from Wash. to NL New London Station 8;9 To NL. Reqts. rect. of rad.apparatus.expressed 7/23. 8/7
326919	7/17	To Nat. Elec. S.Co.	Reqtd. that blueprints be retd. 7/17 Fwds prints of coupling board. 7;19
326920	7/17	To Lowenstein	Reqtd. that drawings be fwd. to SE. W Returns vandykes. 7;19
327149	7/17 Marconi Company 7;24	To Firms	Gives instruct. re reqts. by sub-contrs. for specificats. W Wireless Improvement Co 7;20 International R T Co 7;22
327165	7/17	To Boston (T)	Author. purchase 50 relay keys. W

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.
326908	7;16	G H Cloke Co.	Changes in cushion circuit for spark transmitting, submits prints with report on. W
327621	8;5	National Lead Co	Asks if shall place Dickinson molds in action at once.
327606	7;16	G E Company F.C	Asks if have any objection to supplying French connection with information relative to pliatones. W To —— Ref'd to Nav. Com. for action. 7/27 Fwd. Nav. Com. 7/27
327686	—	Manahattan Elec Sup Co	Report of test reqstd. W To —— Buzzer undergoing test at present time. 7/22
327735	7;16	New York	Radio drawings self cool quench spark gap. New York 8;5 Fwds drawings showing 1 kw quench unit
328149	7;16	Wireless Spec. Co.	1/2 k w spark gap drawings, sub report on production and changes made in order to overcome dif. W New York 8;8 To NY. Gives list of changes on Spark Gap drawing. 7/26
328478	7/30	To Condit E.Mg.Co.	Ack. rect. of let. of 7/9 re circuit breakers for test.

RECEIVING & SENDING: SETS

Number.	Date.	From or To—	Subject.
321445	7;8	Fed Tel Co. CARD 141	Status of mfg of arc converters. W Fed Tel Co.- Reqst instructions covering shipment of arc converter for Arlington Sta, fwds prints. W To---- Reqts. shipt. be made by express. 8/2
324497	7;5	War Department	100 k w radio transmitters on Sig. Corps order, reqst be completed as soon as possible. W
324041	6;29	Boston	Confirms telephone conversation in connection with delivery of 1/4 k w radio ~~set~~ transmitter set from Wireless Specialty Co. W
30864	7/3	Pug Sd	Submits reports of defective spark transmitter delvd by Marconi Co 629
316006	7/11	To Phila.	Reqtd. that upon compl. of tests, a report be sent B. W Phila-Fwds report of test on circuit breakers sub by Condit Elec Mfg Co.
equipment 3-26			To Condit Elec and Mfg Co- approval of will be listed as approved mfg of type of
324742	7/11	To Electrose Mfg. Co.	Reqtd. effort be made to bal. shipts. of material so that e.shipt. will contain equal #sof e.kind of spoke. W
324755	7/11	To Ind. Contr. Coo.	Requis. being prepared for hand starters with spares. W Industrial Control Co. - Reqst sheet showing specification.
	Walker Bros & ~~Hamilton~~ Haveland	Fwds prints, 7;20	
See CARD 161	Walker Bros & Haveland - Are having dif in securing prompt deliv. of asbestos panels. 8-2	To Walker Bros. & H	Trying to expedite del. of panels. 7-16

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
324756	7/11	To NY NY-Fwds drawings. W 9;10 To Lowenstein. Asks if they believe that silver platinf nec. 9/12 Fwds Lowenstin Radio Co - 9;17 To NY Asks explanation of their letter 9/21 New York - 10;1 See CARD 174	Reqts. blueprint copies & vandyke copies with completed changes. W To NY Reqtd. recoms. on change of drawing. 7/20. New York 7;22 To NY. Re corrections in drawing. 7/24 To NY. Approves recom. cont. in Ref. 7/22. 7/27 New York 7;27 NY - Fwds vandykes. W 8/15 To NY Reqtd. that when drawing re-issued, a detailed list of changes be listed. 8/29
325884	7;5	Met Life Ins Co.	Test conducted on current wireless transmitter, reqst information in connection with. W To CO PENNSYLVANIA. Reqts. a report covering tests. 7/15 To Wash. Reqts. copy of tests on Cockaday transmitters. 8/1 Washington - Submits report of test of transmetters. W
326184	7;12	Atl Sub	Submits report of exchange of audion controll box. L
292462	7/12	To Roller-Smith Co. To Sperry Gyroscope Co. States that 225 transfer switches shall be del'd. to Rad. Laboratory, NY. 8/2	Reqtd. to advise price & best del. dates for ammeters. W To NY Re Radio Frequency Ammeter for Sperry Emergency Transmitters. 7/12 To Sperry Gyroscope Co. Reqts. that they proceed with manf. of switches. 7/12 Sperry Company - Reqst shipping instructions. W 7;17 Roller Smith Co - Quotes prices. W 7;18
319436	7/12	To Jackson Wadell Mfg.Co.	Ack. rect. of let. of 6/27 re speeding up production of moulds. W
324759	7/12	To Nat.Eelc.S.Co.	Reqts. to submit bids manf.of coupling boards. W National Elec Supply Co. - Submits report 7;13
324761	7/12	To Lowenstein Lowenstein Radio Co - Will complete by 9;13 W	Reqtd. to proceed with manf. of spark gaps. W To-- Asks if above will be del. as per above. 7/31 To-----(T) have obtained supply of porcelain plower nozzles, ship gaps without if nec, to sz. dits del. 8/15

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(over)

RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.	
322320	6;19	Mare Island	Inspection report of various tubes, fwd. W	
322477	7-3	To Wash	Attaches blueprint copy of report RM 50A 114 A - W To Mare Is. Quotes comment from Wash. in ref. to Mare Is. rept. covering the action of vacuum valves ~~howx~~ in the service.	7/25
322479	7-3	To NY- (T)	In re purchase of batteries from Amer. Ever Ready Works-delivery of same-W	
323806	7;3	Signal Corps	Reqst Major Culon be granted permission to amplifier. W	
322471	7/5	To Sperry Gyroscope Co.	Confirms tel. conversation of 7/~~2~~ re del. of rad. receivers. W Schedule of shipment not received. 7;10 To--- Gives schedule of del. of rec'rs. 7/17 Sperry Co 7;25 Status of shipment of radio compass.	
322472	7/5	To Sperry Gyroscope Co.	Confirms tel. conversat. of 6/28 re del. of rad. rec'rs. W	
322599	7/6	To NY	Gives instruct. for completing drawings. W NY - Fwds prints 8;26 W	
323087	7/5	To NY	Asks if spark gap wrench drawing may be used for gap units. W N. Y. - Fwds vandykes 7;16	

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Number.	Date.	From or To—	Subject.
323833	7-1 Mignon reply To— Impossible to give permission for supplying red. instruments to Askham unless certain informat. obtained. 8/17	Mignon Wireless Corp Wireless Corp - Reqst 8;12	Fwds letter from J W Askham requesting permission to ship instruments - sample radio set will be brought direct to Washington by Govt. representative. W (Letter not enclosed.) To Mignon W.Co. Reqts. copy of let. encl. with their let. be fwd. 7/13 Michigan Wireless Corp - Sub samples to Washington Yard, reqst change in name to Elmira radio Mfg Corp W - 7;17 To Nav.Intel. Reqts. investigation of correspond. from :t.JW Askin. 7/24
323772	7;2 7;5	Albert Ramsay Naval Communication	Offers cutting plant to navy for making of saphire jewels. W
323725	7/8	To West. Elec. Co.	Reqts. 2 copies each of drawing & photo of all audion tubes. W West Elec Co - Are fwd drawings and photographs W G E Co - Fwds photoes and drawings of audion tubes. W 8;14
323727	7/9	To S&A	Reqts. shipt. of radio apparatus for Nav. Dist. Base from Wash. to NL. New London Base 3;29
324103	6;24	Canadian Air Force	Reqst duplication of order for damped and undamped waive resuction fitted with audian valves. W
323857	7/9	To NY	Author. to approve a stand. sparking distance. W. To Simon. Permission granted to del. spark gap to NY for test. 7/9
323859	7/9 Phila - 7;22 Will net approximately 20 condensers by Aug 1st To Phila. Reqtd. information re condensers. 7/25 Phila 7/28;1	To Com. & Ind.Mgr. S-E-Company 7;10 Norfolk 7;12 Phila 7;15 New York 7;18 Norfol 7;30 Phila - 7;22 Boston 7;22	Gives instructions for construction of series antenna condenser. W New York 8;2 To Mass. Reqts. report on condensers. 7/27
323724		See card 158	

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CARD 161

RECEIVING & SENDING.

Number.	Date.	From or To—	Subject.
320916	6/28	To Firms	Fwds. blue print for assistance in bidding on spark transmitters. W
320927	6/28	To Dane Manfg. Co. (T)	Bakelite bases for Army should be given same priority as those for Navy being purchased By GE or WE. W
321418 (Old number)	8/5	Pearl Harbor	
321754	6;28	New York	Received switch, type submitted by Marconi Co not considered sat. W. To NY- in re above— 7-3
321489	6/29	See Card 190 To West.Elec.Co. To Coms. & Ind.Mgrs. Reqts. reply to let. of 7/2. 7/20 To---Gives shipping instruct. for generator. 7/24 Phila 7;24 West Elec Co- Fwds prints. M 7;20	Reqts. status of small dynamotor or motor-generator. W To Com. & Ind.Mgrs. Gives instructions re tuning transmitters. 7/2 9th Dist 7;26 Charleston 7;9 West Elec Co 7;16 Key West 7;30
321802	6/29	To Federal Tel.Co.	Gives list of confidential publications rec'd. of Waller & Fuller. 2nd Dist - 7;30
322599	6;30	New York	Reqst authority to design. W Inspr Cramps - Sub detail report and test for recommendation on oil spearator and fwds sheets of instructions, etc. New York - Fwds prints. 8;15

See CARD 161

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Number.	Date.	From or To—	Subject.
315166		See Card 147	To Wireless I.Co. Fwds. vandyke of drawings listed in let. 7/2
319919	7/2	To Sperry Gyroscope Co.	Gives telephone conversation re del. of SE 1012 receivers - radio telegraph. W
321918	7/2	To Wireless Spec.A.Co.	Reqts. test of hubs & spokes . W To Electrose Mfg. Co. "Grade G" material for hubs & spokes approved & arrangements should be made for test. 7/2 Electros Mfg Co. - 7;3 To—— Reqts. reply to let. of 7/2. 7/19 Wireless Spec Apparatus Co. 8;3 Wireless Apparatus Co - Fwds details W 7;24 To Wireless S.A.Co. Reqts. size of package containing coil & marking. 8/17
321922	7/2	To NY	Reqts. to fwd 3 vandykes & 3 blue prints.W New York - Fwds prints. 7;12
322320	6;27	E J Simon WRONG ENTRY	Fans for airplane radio generators, to be delivered and installed. R T Co reqst confirm order. W

RECEIVING & SENDING: SETS.

Number.	Date.	From or To—	Subject.
319791	6;21	Thomas A Edison	Reqst diagram of audion and information in connection with. W.
320049	6;24	Washington Yards	Rheostat for shaft waive received, fwds report on submitted by Sperry Co. W To Sperry Gyroscope Co. Encl. marked print showing new type of filament resistance. 6/28 Sperry Co - 7;2
319921	6/25	To West. Elec.Co.	Recom. audion tubes be sold to Sperry Gyroscope Co. W
319922	6/25 West Elec 8;27	To West.Elec. Co.	Advisable for 1 of resistance units included with equipt. beimg supplied in spare part boxes & reqts. estimate of cost. W West Elec Co 7;22 To Western Elec.Co. States that no quotations rec'd. yet. 8/10 West Elec Co - Sub quotations covering . 8;23
319245	6/25	To Secy of War	Reqt. for booklet on theory of vacuum tubes. W Dept Commerce - Fwds booklet on vacuum tubes. 8;1
319923	6/25	To S&A	Reqts. shipt. of radio apparatus from NY to & for Wash.

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RECEIVING & SENDING:

Number.	Date.	From or To—	Subject.	
320626	6;25	Manhattan Elec Sup Co.	Reports delivery of radio transmitters to cruiser and transport force Hoboken, gives description and prices. W	
320659	6;25	Boston	Suggest method of radio transmitter. W	
320983	6;26	N Y	Fwds vandykes showing latest alterations of one k w frames. W	
320953	6;20	E J Simon	Instruction books covering sets including aircraft. W	
320868	6;26	Washington Yards	Fwds vandykes listed, amplifiers to the Marconi Co. W	
319920	6/27	To Wash.	Gives descript. of buzzer. W	
		ToManhattan Elec.S.Co. Gives list of changes recommended made on buzzer.7/31	Wash: Sub report of test on new design buzzer sub by Marsh Elec Sup Co W 7;24	
		Manhattan Elec Su-Fwds prints. 9:30	See CARD 174	
320610	6/27	To S&A	Reqts. shipt. of radio apparatus from Wash. for Inter.Rad.Tel.Co. Brook. W Shipment order 6;27 received back 8;8	

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
317460	6/19	Fwd. Wash.	Reqts. be fwd. to radio shop for comment. W West. Elec Co. Submits recommendation as to specific type of vacum tube which will be used in the future. W	
317907	6/19	To Mass.	fwds. 1 copy of maftg. instruct. for 5 K.W sets. W	
318115	6/19	To S&A	Re audion B batteries for SHAWMUT. W	
318193	6/20	To Western Elec. Co. To----Satisf. to have this part made of brass. 9/27	Fwds. blue prints of drawing showing Audion Control Boxes. W Western Elec Co - Fwds prints showing sockets used in audion controll 7;31 To---- Modification will be satisf. with exceptions stated. 8/5 West Elec Co - Fwds drawings showing variations. W Fwd. Wash. 8/21 received back 9;21	
319100	6;20	Manhattan Elec Supply Co	New radio buzzer, gives advantages of and fwds samples. W	
317898	6/21	To Wireless Impr.Co.	Re decision to manf. arc apparatus. W To Com. Fwds. copy of let. above. 6/21 Wireless Improvement Co - Submits arc produced by, will produce within the next two weeks. W	
317915	6/21	To Inter.Rad.Tel. Co.	Re arrangement for purchase of dies. W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
318671	6/21	To Simon	Gives list of defects of 1/2 K.W. Simon sets. W E J Simon - Detail comment 6;26 N Y To NY. Reqts. inspect. Simon sets whether or not condenser supports suff. rugged to stand up in service. 6/29	7;10
319247	6/22	To Lowenstein	Gives instructions to honor reqt. of Simon for material for 2 KW quenched spark gap. W	
308122	6/24	Fwd. Mare Is.	Fwd. for information & ret. of papers reqtd. Received back 7;17	
319429	6/24	To Dane Manfg. Co.	Reqts. to expedite del. of bakelite filled bases. 6/24 Dane Mfg Co. 6;28 - Report on status	
319430	6/24	To Waddell & Jackson	Reqts. to expedite del. of tools for Dane Mfg. Co. W 6/24 Asks if navy work such as men are doing will exempt men from draft. W 6;27	
319431	6/24	To Corbin Screw Mach. Co.	Reqts. to expedite del. of pins for GE Co. W Corbin Screw Corp. 6;26	
319432	6/24	To Shaw Insulator Co.	Reqts. to expedite del. of moulds for GE Co. 6/24 Shaw Insulator Co 6;26	
319436		See CARD 155		
318193		See CARD 167		

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[OVER.]

RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
305476	6/14	To Johns-Manville Co.	Reqts. that del. of ebony asbestos wood be scheduled for 7/1. W
316005	6/14	To Clapp-Eastham Co.	Asks about thesis on uni-polar generator W29 Clapp-Eastham Co. submits information in connection with generators, under development. W 6-21
316006	2:18 To Phila- reqst return of breaker to Condit Co- 3-27 fwd Phil 4-7 Condit Elec Co-Fwds tag and req	Condit Elec Mfg Co	To Phila- reqst mod be checked and report re circuit breakers mfg Condit Elec Co 2-25 Breakers shipped to Phila on approval. Ph-Prop breakers sub by Conduit Co recs be placed on approved list. Crsoo to 100 circuit breakers be ret. W 3;31
317248	6/15	Century Teleph Constn Co.	Rqst opportunity of placing bid coverg ~~bid~~ audion control boxes. W To--- To late for present bidding. 6/27
316441	6/15	To F.B.Perry & Sons	Asks type of battery they are supplying for radio blinker sets. L22 To---- Desires to know the type of battery supplying for radio blinker sets. 6/28 F.B.Perry & Sons. are supplying Every ready tungston #734 type of battery with their signal set. L 7;2
316995	6/17	To Atl.Fleet	Radio amplifiers to be added to equipt. of vessels of Cruiser, Transport, Destroyer & Sub. & Mine layers. W To Sims. Reqts. informat. re amplifiers W 6/18 To Mare Is. Intention to supply 1 amplifier in add. to amplifier supplied with rad. compasses. 6/1 Sims - 7/27 - Rqst additional amplifiers be fwd. CO - 1;30 To CROSBY advises re shipments 2-6

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
317944	6/18	E J Simon T	Rqst contract number covering 1 k w transmitters on reqn 1171. W	
317955	6-17	Elec Controller Co	Request permission to proceed with order for 50 2 KW automatic stays for K & C sets. W To--- Commenting on above. W 6/21 Elec Cont Co - Reqst action 7;19	
318335	6-19	E J Simons T	Necessary to secure 30 reactance from American Transformer Co and rheostats from Ward Leonard - requests assistance. W	
N-1437	6/8	Mare Island	Fwds radio report on test and inspection of two kW Lowenstein transmitters.	629
313890	6/19	To Wireless Imp.Co.	Reqts. that they undertake construction of 1 1KW standard navy unit type spark transmitter according to modications listed in let. W Wireless Improvement Company 6;25 NY-Fwds report of comparative test of fleet radio transm. 6;18	
317382	6/19	To Simon	Author: diversion for French Govt. of 3 1KW transmitter sets. 6/19	
317390	6/19	To NY	Fwds. manfg. instructions for spark transmitters. W 6/19	

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[OVER.]

Number.	Date.	From or To—	Subject.
316596	5-24	Mare Island	Protection of receiver and emergency transmitter in auxiliary radio room on destroyers - fwds vandyke - recommends be installed in all future destroyers. W
	To Mare Is (T) Author. manf. relays per drawing. 9/14		To Mare Is. (T) Install battery charging circuit. 6/18
	MI-Tel, req authority to run cable between auxiliary room on destroyers 296 to 341 to provide necessary spares. W 9;23		To Mare Is. (T) Install relay circuit. 6/18
	To M Is (T) radio authorized 9-26		Fwd. Phila. 6/19 received back 7;11 W
			Fwd. Boston 7/30
			MI- TEL: Req authority to mfg relays for destroyers bldg at yrd. W 9;13
316481	6-13	Washington	List changes recommended in receivers being built on requisition 1959. W
			To WirelessS.A.Co. Gives list of changes nec. in drawings. 6/27
316383	6-8	Interior Dept	Request prices covering radio detector boards in connection with request from office at Alaska. W Dept Inter-Render dup inv on voucher 5;22
To Pg Sd, Rqst is mat'l recd, 10-22			
Received back 11;25			
Dept of Interior-Req invoice and ship papers cov bulbs. 1;6			To--- Replies to above & asks to what account material should be charged? 7/5
SEE 230	To Dept Interior Seattle-Fwds copies of shipmt order of Aug 1st 1-16		Dept Interior - Rqst shipment of material for use in wireless station at Alaska Ins Com.
Dept of Interior-Req duplicate invoice. 2;1			To S&A Reqts. shipt. of radio apparatus from Wash. to PS for Alaskan Eng.Com. 8/1
316455	5-13	Fed. Tel. Co	Fwds copy of letter to A Y Tuel in connection with operation of small arc sets. W
316453	6/17	To Dir.gen. P.&T.Habana.	Will furnish 10 type "D" audion tubes. W
			Havanah - TEL: Asks when bulbs will be shipped. 8;28
			To S&A Reqts. shipt. of radio apparatus from Wash. to Havana for Dir.Gen'l. W 9/6
			To--- (T) Shipt. tubes being expedited. 9/9
			To S&A-Material was shipped in accord with ref. (a) 4;25

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Number.	Date.	From or To—	Subject.
305898		CARD132	Walker Bros & Haviland - Fwds drawing showing automatic starters being supplied to F. Lowenstein. W Walker Bros. & Haviland - Fwds controll print showing radio hand started handle and transfer switch handle. 7;5
316759	6-14	Western Elec Co	Re generator detector amplifier - fwds specifications and drawings. W To Wash. Fwds. drawings. 7/6
316793	6-13	Holtzer Cabot Co	Request authority to submit a set of head telephones for radio receiver for test. W To Wash. Gives instructions for test of telephones. 6/24 To Holtzer-Cabot E.Co. Gives instruct. for testing of telephones. 6/24
317157	6-14	Wireless Specialty Apparatus Co	Request instructions in connection with paying F Lowenstein's account covering gaps - owing to late delivery of prints - Company was put out to expense greater in amount than Lowenstein's bill. W To Wireless Spec.Ap. Co. Cannot take action on disputes betw. contr'ors & sub-contr'ors? 6/19

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[OVER.]

Number.	Date.	From or To—	Subject.	
315881	6/10	G E Co	Fwds copy of letr Col Slaughter Signal Corps in conn w receiving tubes-ask if Bu intends to place addtl orders covergif not will be obliged to discontinue manufacture of. W TEL. G E Co. Reqst authority to received porcelain basis for receiving tubes. W 6:25 To——(T) Use of porcelain bases rec'g tubes satisf. 6/27	
315209	6/12	To Marconi 911 of radio	Fwds. vandyke drawings showing spokes for spark transmitters. W	
315210	6/12	To NY	Reqts. tests for suggested change in Panel transmitter. W21. N Y Fwds comment on Marconi radio transmitters 6:20 To NY. Marconi said would take up with NY quest. of satisf. rheostat. 6/27 New York 7;8	
315815	6/11	Washn	Fwds report of inspn test of short wave receiver mfd by Sperry Co. W	
317632	6/8	Mare Is	Fwds radio test report on long range receiver	492-6

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
315967	6/11 Rec from Wash. 8;28	Boston	Submits report of damage to 20 kw radio arc transmitg set for instln on ST LOUIS. W **To Federal Tel.Co. Gives list of defective parts rec'd at Boston. 6/25** Federal Tel Co 6:27 To Coms. Re damages to a Rad.transmitting set.7/19	
315756	6/13	To Doehler D.Cast.Co.	Mare Island - Transmitter set shipped NY 2:8 W Asks if quotation for casting is not in error W24. Doehler D. Casting CO/ Submits information difference in price. 6:19 **To---No further action will be taken at this time for purchase of dies by Dept. 6/25**	
316001	6/13	To Western Elec.Co.	B's represent. will be at yr. office 6/15.W	
316002	6/13	To Wash.	Fwd. 1 copy of specificat.for rec'rs. W	
316071	6/11	G E Co Manager	Rqst Lt Cmdr LeClair make arrgts to accompany Secty party to Schenectady-ask if can arrange to send radio message to Secty of the Navy to bex taken on companies visual receiver. W	
319001	6;20	New York	Submits report of test of 1 k w set. W	
316985		See CARD Dupl.164& 194		

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Number.	Date.	From or To—	Subject.	
314251	6-10	To Westinghouse Elec	Bu delivered to Mr Stover June 6th drawings as listed-comment on- W Westinghouse E & M Co-6/12-ask opening date for schedule 900-2389 covering addion control boxes. W	
303066		SEE CARD #130	E J Simon-submits data on rheostats for various types of panel radio transmitters. W 6/7 Wireless Sp Appts Co 6/11 Wireless Improvement Co - Fwds prints. W 6-12	
315499	6/10	Washn	Fwds copy of letr to DeForest Co submitg report of test of amplifiers indicating changes listed-must be made in order to pass inspection. W	
316835	6/12	CO	Recommends that radio motor generators be sent to manufactuere for overhauling	312-6
315498	6/10	Washn	Changes recommended in receivers on reqn 1959 in compliance with verbal rqst of expert radio aid G H Clark. L	
~~309758~~	~~6/11~~	~~Fwd. S&A~~	~~Payt. of encl. bill recommended. K~~	
314254	6/11	To Cutler-Hammer Mfg. Co	Stating there has been given thr. Mr. Knowles 1 copy of specifications. W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
314260	6/11	To Phila.	Confirms tel.conversation that rotary gap motor gauge is correct. W To NY Re change in gauges. W 6/11	
315166	6/11	To Wireless Im.Co.	Gives list of apparatus on which del. will be expedited. W	
See Card 153		Wireless Improvement Co - Reqst additional prints. W Wireless Improvement Co 6;25 Have not received spare parts. W ~~Jackson-Wadell Co. Asks if work such as men are doing will prompt than from draft.~~ W	Wireless Improvement Co. W 6-12 Wireless Improv Co - Request duplicate prints listed. W 6-14 Wireless Improv Co - Request priority certificates. 6-18 To Wireless. Fwds. prints listed in let. W 6/20	
315517	5/29	War Dept	Wireless Improvement Co. Reqst action. 6;27 Rqst signal Corps be furnished with 2 Navy standard amplifiers. W To S&A Reqts. shipt. of 2 two-step radio amplifiers for Signal Corps from Wash to O.in change. W 6/12	
315542	6/8	Charleston	Rqst receiver control bd be furnished stations in district. W To Chasn. Re receiver control boards for radio sta. 6th Nav.Dist. W 6/17	
315675	6/6	American R & R Corpn	Rqsts assistance in securing prints of T-K w plans. W (Personal)	
313890	8;23	Wireless Improvement Co To NY asks if report be fwd 3-10	Old Number Wireless Improvement Co - Req requisition for special, one kw set. 10;1 Wireless Imp Co-Req order for 50 transm. 11;22 To Ind Mgr NY Advise Bur of action taken-	2/13

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[OVER.]

RECEIVING & SENDING SETS-

Number.	Date.	From or To—	Subject.
313558	6-6	To Marconi Co	Rqst be advies additional cost involved in modification of 5 1 KW spark transmitters-under contract 2411-W Marconi Co 7;17
313559	6-6	To NY	Combned relay and hand sending key Mfrcd by Gen. Radio Co-Ask if these keys are satisfactory-being supplied to F Lowenstein-W New York 6/13 To Manhattan Elec.Supply Co. Re combined hand sending & relay key with K.W.sets . 6/19 To Inter. Rad.Tel Co. Same as above. 6/19
314353	6;5	Boston	Confirms tel conversationn in connection with shipment of one quarter k w radio sets.
293868	6-5	To G E Ft Wayne	Rqst submit to BU 14 additional gap units -further tests will be made- W NY - Sub report to further test. W 8;25
313882	6-7	To Wireless Specialty Co- Delay mfcr of receivers on contract for 200-await changes in design-W	
313890	3;27;19 NY-6;2-	NY Report of comparative test of insul radio transm. W	Fwds report on short wave set mfg by Wireless Imp Co. To NY- reqst expedite tests 4-4 To NY- reqstfwds print 6-10
314816	6/7	Belmar	Submits report on type Se-1000 amplifiers. W
3138 98	3;29	NY	Req type SE 5531 interfleet transm be made for test. W

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
314700	6/7 Western Elec Co. Relating to shipment. W 6;19	Marconi Co	Fwds copy of letr from Western Elec Co stating that best delivery date of jacks is 6/22. W. To West.Elec.Co. Reqt. to expedite production. W 6/12 Western Electric Co. 6-13 6;18	
313875	6-8	To Bu Standards	in re 1/2 K W panel type transmitters - Det comment on-W Bu Stand 6/11	
313881	6-8	To NY	Radio Tel - send and receive switch sphere type- lists abstract from PENNSYLVANIA-W New York 6/13 New York 7;23 Fwds drawings.	
314983	6/10	DeForrest Co T	200 audion control boxes-bids to be opened on tenth-no specns or rqst for bids recd by them-protest against. W DeForest Co-protest against attitude of officers of Bu S E in not giving them opportunity to bid on apparatus-special reference to audion control boxes. W 6/10.	
314998	6/7 To 4th Dist. Asks if rad. apparatus rec'd. 9/14 rec back 9;18	4th Dist	Lists radio eqpt nec in order to equip listening in stations. W Fwd. 4th Dis. W30 6/12 To Wireless I.Co. States finish shown on drawing in error. 7/11 To S&A Reqts. shipt. of radio apparatus from Wash. to Phila. for Radio Station. 7/22	
314677	6;7	New York	Reqts complete set of vandykes. W Fwd. Wash. 6/28 back Oct 1	

RECEIVING & SENDING ITEMS

Number.	Date.	From or To—	Subject.	
312730	6-5	To F Lowenstein	Fwds blue lined print copies standard 1 KW Navy panel sets- W	
313038	6-5	To (T) Wireless Spec.	App. Co- How many 5 KW transmitters delivered this Week-- W	
33014	4/20	To Indus Mgr NY	States that Marconi Co advises that Defects in relay keys will be remedied; as drawings of Navy Type key not recd in time Bu rqts that keys be reced that are built in accordance with specns. 629	
313956	5/29 6/3	Institute of Radio Engineers Communications	Fwds copy of paper written by B. Washington for publication and request comments.	
313654	6/5	Wash	Fwds copies of "Description and operating instrns for short wave receiver." - W	
313668	6/3	Bost	Confirms telephone conversation in connection with shipment of 2 wireless specialty mica condensers to Wash for test - W	
313667	--	Bost	Confirms telephone conversation requesting explanation of cost of breakdown under test of wireless specialty mica transmitting condensers - W	

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N.S.E. Form 134.

RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
313730	6/5	Federal Telegraph Co	Fwds photostat showing overall dimensions of assembled 2 KW arc radio set for Naval vessels - W
313823	5/31	Mt Vernon Co	Asks if additional audion bulb sockets will be reqd - W To Mt Vernon Co- in re above- 6-7
313825	4/14	The Tropical R Tele Co	Fwds photographs and prints showing quench gap panel sets - W
312723	6-6	To Marconi Co	Rqst copy of specifications be supplied Int Radio Co - for reactance in connection with power changing switch on 1 KW panel sets-W Marconi Co-Fwds vdk copies of specns coverg transformer and reactance 6/10
312956	6-6	Fwd Dirc Naval Comm.	Letter from Institue of Radio Engineers concerning paper by Ensign Bowden Washington W
313034	6-6	To Firms	Fdws copy of specifications for Test Buzzers/Buzzer Control Switches and Buzzer Batteries- (RE 13A 246B) W To Wash--Ditto-6-6
313557	6-6	To Federal T l Co-	Returns letter left in Radio Div by Mr C W Waller-

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[OVER.]

RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
310808	5-27	To Wash	Mare Island has developed a 126 meter radio set and same rqted shipped to Wash- Shipped May 23rd--
311703	6-3	To G E Co-	No objection to furnishing Mr E Woods a Navy type SE 1000 A amplifier- W
311698	6-3	To Kilbourne & Clark	In re to info received from contractors that orders hav ebeen placed for apparatus entering in Mfcr of 1 and 2 K.W spark transmitters- Info rqst inre to above- W
			K & C Co-T-ask if will issue regn coverg radio transmitters building. W 6/11
			To Kilbourne & Clark. (T) Propose use arc transmitters in future. W 6/13
312208	6-3	To Norf	Radio Tel 2 K W automatic starter submitted for test by Walker Bros- and Haviland- Understood same has past test- Have advised mfcrs to proceed with order-W
312632	5/29	Marconi Co	Fwds report of test of one KW transmitter -W
312641	6/1	Price Bros	Request instrns re metal to be used on 2 KW self cooled quench gap - W
			To Price Bros-supports should be made of brass- Finished holders should be made nickel dipped--6-7

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N.S.E. Form 134.

RECEIVING AND SENDING SETS 898

Number.	Date.	From or To—	Subject.	
312829	5/28	Washington	F wds 113 prints covering radio apparatus - W	
312720	6-4	To Bost	Rqst fwd to Bu 10 vandykes copies Drawing RE 26A 104K of type SE 507 standard contact-W Boston-fwds vdks 6/12	
312717	6-4	To Walker Bros & Haviland-	Rqst minimum size panel that would accomodate starter for 1 kw panel sets- such as supplying Marconi under contract 2411--W Walker Bros & Haviland-fwds industrial controller bp showg current limit automatic starter with cast iron covers. W 6/10 Walker Bros & Haviland 6/11	
313090	6-1	War Department	Transmitting sets requested for testing laboratory, Washington - requests check to cover. W To War Dept. Asks why increase W 6/11 Fwd. S&A 6/19	RB 6-15
313305	6-4	Washington	Fwds blue prints of radio buzzer instruction set. W	
313544	6-4	Wireless Impr Co	Electrostatic transmitters and receiver will supply set within few days for test. W To Wireless I.Co. Nec. to defer test until able to furnish 2 sets. W 6/12	

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RECEIVING AND SENDING SETS.311890 5/

Number.	Date.	From or To—	Subject.
311890	5/29	GE Co	Pliotron - fwds recommendations relative to packing for transportation - W To---- Approves above. W 6/1
311861	5/28 To Western Elec Co- in re Sperry 6-6	Sperry Co	Request that Western Elec Co be authorized to furnish them with audion bulbs for use in their laboratories - W To Sperry Co- Informing Western Elec that Have no objection to furnish you with a few audion tubes-6-6
311954	5/29	DeForest Co	Gives list of contracts on which payment has not been recd and asks for Bureau's assistance - W Deforest Co/ reqts action, 6;5 W To DeForest. Explains delay in payt. W 6/17
311351	5-31	To F Lowenstein Co	Fwds blueprint copy of E alteration sheets of specifications RE 13A 111 -W
311352	5-31	To Marconi Co	Ditto--5-30 W
311414	5-31	To Navgn Transfer 779	Relay compass transmitter for vessels of the fleet- Rqst list of vessels equipped with- Navigation. L List vessels equip with compass transmitters. L 6:24 To B.of Nav. Recom. that relay compass transmitters be provided on all vessels not already equipped 6/29

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N.S.E. Form 134.

898 RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.
312115	5/31	Sims Copy 8789.	Radio signalling necessary in North Sea - request amplifiers be shipt immediately. W
		To AROOSTOOK further info req requirements for app 7/25	To S&A-Rqst shipment from Wash to SHAWMUT 15 radio 2-stage amplifiers- 6-6
		To S&A req ship from Wash to AROOSTOOK radio amp 8/20	To (T) Sims- 15 2-step amplifiers go fwd via SHAWMUT- for MINE PLANTERS-6-5
			Sims - Copy - 9061 - reqst additional type T audion bulbs be fwd - 6/5 - W
			To Sims (T) Gives list of supplies shipped. W 6/13
312315	5-16	Washington Yard	Fwds prints of receiving and sending apparatus. W
312179	5/31	Wireless Improvement Co	Request auth rity to inspect one of Simon 1 KW radio transmitters at Brook Yd in order to make comparrison with Navy Stand 1 KW set - W
			To Wirelss Improvement Co- 6-7
311695	5-1	To Wash.	Reqt. list of rad. arc transmitting sets diverted to Norf. without being taken out of r.r. cars upon arr. at Wash. W15. 6/1
			R B 6/13
309441	6-3p	To Pug Sd	Radio experimental work proposed by Pug Sd Does not believe probalilites of success warrant expenditure—W
309209			

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
311121	5/24 5/27	General Cable Censor Naval Communications	Quotes letter intercepted from Cutting and Washington to Barcellona, Spain submitting quotations on radio apparatus - W Fwd Naval communications-5-31
311523	5/28	E. J. Simon	1/2 K W radio motor generators - request permission to send a Rep. to Sub Base in order to look into defects on 1/2 KW transmitters -W To E J Simon- 6-7
311543	5/28	Communications	Fwds copy of correspondence relative to experiments on board the USS TEXAS of a short wave transmitter - asks if Bureau authorizes Gunner P. J. Evans to correspond with Sperry Co - W
308369	5-29	To NY	1/2 K W radio power units delivered by Int Radio Tel Co- rqst one of these power units be placed with each one of the fifty sets of contract 958 and crated- Comment on-W
308952	5-29	TO S&A	Rqst shipment from Wash to Queenstown Ire- Vessels of Mine Force- radio apparatus--W TO S&A-Rqst shipment from NY to Queenstown Ire For Mine Force- radio apparatus--5-29 Washington: Fwds report of test not rec. made at Mare Isl. W 6-20
310593	5-29	To Miller Reese Hutchison Inc-	Rqst fwd Radio Test Shop Wash 100 copies instruction in re to CU 887 audion "B" batteries- W

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N.S.E. Form 134.

RECEIVING & SENDING SETS- 898

Number.	Date.	From or To—	Subject.	
311353	5-29	To Federal Tel Co-	Confirming phone conversation -listed points be considered in design of 2 KW arc transmitter- for use in submarines--5-29 W Federal Co - Submits recommendations. W 6-14	
311911	5-29	Western Elec Co	Fwds copies of 2 letters from Wm. Deans requesting wiring diagrams of audion - request Bureau instructions. W To Key West. States that lets. of Mr. Dean will not be ans. W 6/1 To West. E. Co. Lets. of Mr. Dean will not be ans. W 6/1 RB 6-17 ~~To Keywest~~	
311798	5/28	CO	Rqst material for installation of 126 British type radio transmitter.	562-6
599	5/29	Ensign Sandwater	Airplane radio transmitters inspected at factory of E.J.Simon, accepted and shipt to Norfolk.	629
311947	5-29	F Lowenstein	Fwds vandyke showing wiring diagrams for auxiliary sets with storage battery. W	

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
310446	5-28	TO S&A	Rqst shipment from Wash to Chasn- for vesseless Ship Bd- Field Type radio receiving sets- W- Shipment order May 28 received back Oct. 17
310445	5-27	TO S&A	Rqst shipment from W sh to N Orl- for vessels Ship Bd-Field type radio receiving sets--5-28 W
310447	5-28	TO S&A	Rqst shipment from Wash to Norf- for vessels Ship Bd- Field type radio receiving sets-W
310448	5-28	TO S&A	Rqst shipmnet from Wash to Phila for vessels Ship Bd-Field t ype radio recieving sets-W
310449	5-28 S&A- 5/26/20 W To S&A- rel modification of records 5/28/20	TO S&A	Rqst shipment from Wash to NY-for vessels Ship Bd-Field type radio receiving sets- W T o S&A req shipment from Washn to NY radio receiving sets contract 34516 3-11 Amendment of shipt order 5/17/20
310450	5-28	TO S&A	Rqst shipment from Wash to Newport for vessels Ship Bd Field type radio receiving sets-W To---- Asks when material will be shipped. 6/1
310451	5-28	TO S&A	Rqst shipment from Wash to Ports- for vessels Ship Bd-~~radio~~- Field type radio receiving sets-W received back 9;28

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N.S.E. Form 134.

RECEIVING & SENDING SETS 898

Number.	Date.	From or To—	Subject.
310452	5-28	TO S&A	Rqst shipment from Wash to Bost- for vessels Ship Bd-Field type radio receiving sets-W Received back 10;25
310453	5-28	TO S&A	Rqst shipment from Wash to Key West for Vessels Shop Bd-Field type radio receiving sets-W
310459	5-28	To Bost	Radio Tel-1-1/2 KW quenched spark transmitters In re warning ~~of~~ against employing last three quenched spark units- in the circuit-Info rqsted as to exact nature of this notice-W-S To NY--ditto--5-28 NY - 6/4 Bost - 6/5
310463	5-28	To Wireless Specialty Co-	In re recent visit of representative To NY. Fwds. marked ~~copies~~ of Sheets-~~Drawin~~ errors pointed out in radio drawing Drawing. 7/20 RY 32F 150-covering 1/2 KW quenched gap holder for 1/2 K W plates-type#908- No correspondence located in re to above- rqst matter be reviewd and report submitted W-S Wireless Specialty Co - fwds prints showing certain substitutions of gap hulls - 6/5 Wireless Sp Apts Co-fwds dwgs with detailed descpns . W 6/11 To NY- Rqst review drawings of type 1/2 KW Gap holder- 7-3
311445	5-24 5-28	Arlington Washington	Request spare arc converter chamber 50 KW and recommends same be installed. W To Fed. Tel. Co. Reqts. cost of spare arc converter chamber. W 15 6/1 To Wash. Will arrange to furnish a spare arc converter chamber. W15 8/1 Federal Tel Co. List items which will be inc. W 6;14
		Fwd. Radio Via Wash. 6/19 rec. Fed Tel Co 6-19 back 6;29 To Radio-7-3 To Mare Island- 7-3 CARD 155	
311122	5/24 5/27	Gen Cable Censor Naval Communications	quotes letter intercepted from Chile to the Chilean Consul at NY fwding money to buy receiving apparatus from DeForest - W War Trade Board 6;26

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
290068	5-27	See Card 120	To Manhattan Elec Supply Co-in re to vandyke and negative 1 and 2 2 K W hand key-W	
309768	5-27	To NY	Assignment of 75- 1/2 K W Marconi Co radio transmitting sets- contract 33292-W To S&A-Rqst shipment from NY to Grt Lakes- radio transmitting sets--5-27 To NY- Reqts above be amended as listed 12-28	
310100	5-27	TO S&A	Rqst shipment from NY to N Orl-- radio transmitting sets-W	
310101	5-27	TO S&A	Rqst shipment from NY to Key West radio transmitting sets-W	
310102	5-27	TO S&A	Rqst shipment from NY to Chasn R B 2;28 radio transmitting sets-W Received back 12;30	
310103	5-27	TO S&A	Rqst shipment from NY to Norf- radio transmitting sets--W To---- Asks when shipt. of material will be made. 8/1	
	To S&A Reqts that above be amended as listed 12-28			
310104	5-27	TO S&A	Rqst shipment from NY to Phila radio transmitting sets-W To S&A Reqts amendment of above 1-23	
310444	5-27	TO S&A	Rqst shipment from Wash to Grt Lakes Field type radio receiving sets-W RB 7;25	

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N.S.E. Form 134.

RECEIVING & SENDING SETS) 898

Number.	Date.	From or To—	Subject.
310087	5-27	To F Lowenstein	In re molds to be used by Doehler Die Casting Co- Comment on--W-S F Lowenstein-fwds bill coverg Doehler dies. W
310090	5-27	To Marconi Wireless Tel Co-	in re to die cast parts required in construction of standard Navy 2 K W quenched gap holder--W To Wireless Specialty Apparatus Co-Ditto-5-27 To Wireless Improvement Co-Ditto- 5-27
310107	5-27	To Wash	Radio T 1-Test of new type detector-Washington Yard - Fwds report of test on detector submitted by the American Gas Accumulator Company. W 6.18 To Amer. Gas. Ac. Co Quotes report from Wash.Yd. on test of shock-proof detector. 7/11
311220	5-25	Marconi Co	Locating pin holes for 1 KW spokes - spokes sent to Electrose Manuf Co in accordance with Navy drawings. W
297378	4/15	To Ships	Two stop radio amplifier-Bu reqted shipment from Wash to NY of one two stop radio amplifier for vessel under your command. To Cruising Force. To S&A eqt shipt amplifiers from Wash to Norfolk. To-rqt shipt amplifiers from Wash to NY.474-6

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
309599	5-24	TO S&A	Rqst shipment from NY to Phila-Was sels Ship Bd--radio transmitting sets-W
309600	5-24	To NY	List number radio transmitting sets to be shipped-Stations for--W
309635	5-24	To NY	Radio Tel- Test rods for Navy type Quenched Spark Caps- Ask to design same and fwd-W NY - fwds van dykes showing test rod for quench spark gaps - 6/5
310676	5-23	Marconi Co	Fwds list of those received from the GE Co since January 1st. W
310758	5-23	British Ministry (?)	Fwds bill covering changes for customs - entries for sample transmitters received from abroad. W
308897	5-25	To Wash	Encloses specifications RE 13A 242B-use Radio test shop--W Sims - Copy - 8639-6540 - request shipment of buzzers be marked cable requisition 8209. 5-28

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RECEIVING AND SENDING SETS) 898

Number.	Date.	From or To—	Subject.	
309764	5-25	To Bost	in re 75-1/2 KW- Wireless Specialty Co	
	S&A-copy	of circular letr direct-	Radio transmitting sets-under contract	
	ing do not issue audion bulbs to		33293--assignment of--W	
	vessls not having audion control		To S&A- Rqst shipment from Bost- to	
	boxes. 6/11		Newport- radio transmitting sets-5-25	
	To Newport.	Asks if rad. apparatus	rec'd. 6/26 received back 10;1	
309765	5-25	TO S&A	Rqst shipment from Bost to Ports-	
			radio transmitting sets-W	
			Shipment order 5;25 received back 7;3	
309766	5-25	TO S&A	Rqst shipment from Bost to N Orl-	
			radio transmitting sets- W	
			To N Orls, Rqst if radio recd 11-8 RB 11-15th	
309767	5-25	TOS&A	Rqst shipment from Bost- to Phila-	
			radio trnsmitting sets- W	
310366	5/16	Doehler Dye Castings Co	Brass parts for Lowenstein strut gap and condenser holder - ask if Dept will authorize manuf of necessary dyes on its acct - W	
			To Doehler Die Casting Co- Fwd estimate for above	
			Advose cost of dies made up for Lowenstein Co-	
			Doehler Die Casting Co- 5-27	
			Submits quotation. 5-29	
310297	5/24	American RR Corp	Are in position to supply protector bulbs -	
			request authority to submit samples - W	
			To American Radio & Research Corp- Asks for	
			further info-5-31	
310246	5/22	Solicitor	Fwds letr from M.D.Ordman rqstg permit	
			for vendors of an elecl outfit consistg	
			of a coil producg a spark of not more than	
			8"--to sell such an outfit to Allessandrio	
			Caccia.	793-5

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
308907	5-24	TO S&A	Rqst shipment from Wash to Norf-Vessels Ship Bd-short wave radio sets-W
308908	5-24	To S&A	Rqst shipment from Wash to Chasn-Vessels Ship Bd- short wave radio sets-W Received back 9;23 back 11;24
308909	5-24	TO S&A	Rqst shipment from Wash to Key West-Vessels Ship Bd--short wave radio sets-W
308910	5-24	TO S&A	Rqst shipmnet from Wash to N Orl-Vessels Ship Bd--short wave radio sets-W
308911	5-24	TO S&A	Rqst shipment from Wash to Grt Lakes-Vessels Ship Bd--short wave radio sets-W
309236	5-24	TO S&A	Rqst shipment from Wash to Grt Lakes Vessels Ship Bd-short wave radio sets-W received bacl 9:30
309237	5-24	TO S&A	Rqst shipment from Wash to Phila-Vessels Ship Bd-- short wave radio sets-W
309238	5-24	TO S&A	Rqst shipment from Wash to Norf -Vessels Ship Bd-short wave radio sets-W received back 9;18
309254	11;27	Phila	Fwds list.

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N.S.E. Form 134.

RECEIVING & SENDING SETS 898

Number.	Date.	From or To—	Subject.
309239	5-24	TO S&A	Rqst shipment from Wash to Chasn-Vessels Ship Bd--short wave radio sets-W received back 9;19
309240	5-24	TO S&A	Rqst shipment from Wash to N Orl-Vessels Ship Bd--short w ave radio sets--W
309241	5-24	TO S&A	Rqst shipment from Wash to Ports-Vessels Ship Bd--short wave radio sets-W Received back 8;16
309242	5-24	TO S&A 771-2	Rqst shipment from Wash to NY-Vessels Ship Bd--short wave radio sets-W
309595	5-24	TOS&A	Rqst shipment from NY to Grt Lakes-Vessels Ship Bd- radio transmitting sets-W
309596	5-24	TO S&A	Rqst shipment form NY to N Orl-Vessels Ship Bd--radio transmitting sets-W
309597	5-24	TO S&A	Rqst shipment from NY to Chasn-Vessels Ship Bd-- radio trasnmitting sets-W Received back 9;5
309598	5-24	TO S&A	Rqst shipment from NY to NOrf-Vessels Ship Bd--radio transmitting sets-W To Norf, Rqst if radio recd 11-8 Shipment order back 1;6

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
307110	5-16	To S&A	Reqts shipmt for ships and Stations from Wash as require- Audion bulb receptacle for ships on which audion control boxes are installed	W
		To S&A Reqts. that shipt. rad. apparatus be located & fwd. 8/27		
		To CO MERCURY Asks def. informat. be given stating what material desired. 8/27	CO - TEL; Reqst information in connection with shipping report. W 8;12	
		To Wash. Shipping directions for receptacles for audions. 9/9	To MERCURY.(M) On file identify 1st ref. What mat. do you wish. 8/15	
		Boston- Reg ship instrc. See CARD 169	S&A 9:3 C&R 9:7 TEL Non rec sets.	
308584	5-23	To S&A 771-2	Reqts shipmt for vessels of U.S.Shipping Bd Wash to Ports 15 Wireless Specialty App Co short wave Radio Receiving sets	W
308810	5-23	To Miller Reese Hutchinson Inc-	Confirmation of Phone RE delay in delivery of Audion B Batteries	W
308904	5-23	To Cdt Wash 771-2	Reqts that 4 Natl Elec Supply Co's short wave receivers to be retained at Wash for insatlln on vessels of the USShipping Bd	W
			To S&A Reqts. shipt. of radio apparatus from Wash. to Norf. for vessels. 6/8 received back 8;16	
308905	5-23	To S&A 771-2	Reqts shipmt for vessels of US Shipping Bd from Wash to NY 3 0 Wireless Specialty App Co's short wave Radio Receiving sets	W
308906	5-23	To S&A 771-2	Reqts shipmt for US Shipping Bd vessels from Wash to Phila 9 Wireless Specialty App Co's short wave radio receiving sets	W
308952		See CARD 159		

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
309441	?	Pg Sd	Fwds paper prepared by Prof. Gilbreath covering experimental radio work, recommends work in connection with be assigned to yard. (Cross to Prof Gilbreath) To Standards-Nav Lab- Fwd report from Pug Sd concerning electron relay--5-28 To Pug Sd- Investigate above before investing money-Comment on-5-28
309754	5;22	G E Company	Fwds letter from C C Hammond Reqts information re operation of pliotane vacumm receiving tubes. W To LONG ISLAND) In re directions for operating audion tubes CG 886- Rqst what equipment is on LONG ISLAND-5-28 To G E Co- Acknowledges-5-28 To S&A- Radio euqipment U.S.S.LONG ISLAND-5-8
309816	5;22	Cutting & Washington	Fwds itemized bill covering material and labor for making calibrating transmitter for Nahant station W/ Inspr F R Shore station for S E 995 completed W 5;28 To Boston- asks report material from Nahant station 4-2
307788	5-24	To Price Bros	In reply to letter May 14th you are informed Doehler Die Casting Co have necessary molds to cast pieces -listed- W
308121	5-24	To Wash	Fwds report test of CM 298A recievers made by Mare Island--W
308578	8;22	Portsmouth Old Number	Fwd.

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
305922	5-22	TO S&A	Shipments material for foreign service- L-R R B 5/25	
308839	8;11	Kimball Glass Co	Fwds duplicate bill.	
308574	5-22	TO S&A	Rqst shipment from Wash to Grt Lakes received 8;5 short wave receivers- 10 W To Great Lakes Asks if radio apparatus rec'd.7/30 Great Lakes 8;3	
308575	5-22	To S&A	Rqst shipment from Wash to N Orl 25 short wave wave sets- W	
308576	5-22	TO S&A	rqst shipment from Wash to Chas 10 short wave sets- W To Chasn. Asks if rad. apparatus rec'd. 8/28 Charleston - 9;6	
308577	5-22	TO S&A	Rqst shipment from Wash to Norf. 5 short wave sets W received back 7;11	
308578	5-22	TO S&A	Rqst shipment from Wash to Ports 5 short wave receivers To-Ports. Asks if rad. apparatus rec'd. 8/2 Portsmouth 8;7	
308579	5-22	TO S&A	Rqst shipment from Wash to Phila 5 short wave receivers To Phila. Asks if rad. apparatus rec'd.8/22 Received back 10;2	
308580	5-22	TO S&A	Rqst shipment from Wash to NY 25 short wave receivers W Shipment order 5;22 received back 7;19	
308581	5-22	TO S&A	Rqst shipment from Wash to Key West 1 short wave set W	
308582	5-22	TO S&A	Rqst shipment from Wash to Bost 5 short wave sets W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
308583	5-22	TO S&A	Rqst shipment from Wash to Grt Lakes- 5 short wave sets-W received back 8;5 Boston 9 9;24	
306483	5-16	To Cdt Wash	Fwds one blue print report on three SE 143 receivers	W
306925	5-23	To Wireless Improv Co	Reqts that report be issue outlinging any changes in design under consideration that would remedy defects complainted by Yds	W-31
		Marconi Co - 5/29 E J Simon-submits steps being taken to remedy defects on transformers 6/1 Puget Sound - Fwds blue print copy of special radio report on 1/2 KW radio transmitter. W 6-8	To Wireless Spec App Co - ditto 5-23 To Marconi Co- ditto- 5 -23 To J. Simon - ditto-5-23 To International Radio Tel Co- ditto 5-23 Wireless Improvement Co - Fwds copy of memo relative to defects in Simon design transmitter. W 5-24 Wireless Impro Co - Submits preliminary report of test of transmitters. 5-29	
306926	5-23	To Yds	Asks that "Work and Repair Job Orders" for past year on radio transmitters be reviewed with a view of finding out its weak places	W #
		Hiawatha 6;8 Phila - Sub recommendations as to transmitters mfg by various concerns. 7;1	Keywest - Submits report. W 5-29 2nd Dist (no date) submits report. Chasn. lists bad features of Marconi transmitters - 6/1 - W 6;4 W	
307050	5-16	To International Radio	Tel Co - Authorized to proceed with the manuf of 100 spark transmitters making provision for six wave lengths-	W
307055	5-16	To GE Co	Reqts time of delry and prices of standard spark gap spheres ans employed for the measurement of high voltages 5-23	W
		Westinghouse E & M Co. - Fwds copy of catologue with blue prints and quotations. W 7;3	Fwd Westinghouse Elec Manf Co ditto 5-~~23~~ 16 GE Co - submits quotation covering gaps - fwds descriptive matter in connection with - 6/1 - W Westinghouse E & M Co - 6/5	

RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
306770	5;13	West Yard	Submits report on examination of insolating material for vacuum tube. W To Gen Insulate Co- Fwds copy report from Wash Yard on 45 insulation- Bu approves-5-27 General Insulate. Co. and Weston Elec. Co. Stated are not in need of another source of supply - no date - W
307876	5;15	Wash.	Change in design of control boxes being built by De Forester Company, list changes necessary.W To de Forest Radio T. C Co- Lists rec received from Wash Yard- on audion control boxes CF 122A--5-27 DeForest Co. 5-29 To — in re above--6-6
268050	SEE CARD #108		Driver Harris Co T-Will ship in one week 5/20. W To (T) Driver Harris Co- Urgently rqst supply nichrome wire to Marconi Co sdon as possible--W Driver Harris Co. 5;22 To Driver-Harris Co- 5-25 To Driver Harris Co. Asks del. date.W 6/1
307428	5-18	TO S&A	Rqst shipment from Wash to N Orl short wave radio receivers-W To S&A amend SO 5/18/18 7/14/19
307429	5-18	TO S&A	Rqst shipment from Wash to Phila short wave radio receivers--W
307430	5-18	TO S&A	Rqst shipment from Wash to Grt Lakes short wave radio receivers-W Shipment order 5;18 received back 7;18

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RECEIVING & SENDING SETS 898

Number.	Date.	From or To—	Subject.	
307431	5-18	TO S&A	Rqst shipment from Wash to Newport short wave radio receivers-W	
308592	5/20	Sims Copy	8209 I L - 8209 - request information Re availability of range and flange standard battery radio buzzer - 11 reqd at once - W To Sims-(T) In re Sperry Buzzer sets-5-27 Sims - Copy - 8613-8209 - Request action. W 5-28	
306931	5-20	To S&A	Reqts shipmt from Wash to E.J.Simlon Co-Head telephone sets Shipment order 5/20 R B 5/28 Washington 2/19/20 Fwd N.Y. 3/16 RB 3/30. W. Fwd. S&A 3/23 RB 5/2 W.	
308696	5-18	Washington	Recommendations re changes in receiver to be built on requisition 1959. W	
309215	5/22	K & C Co T	Will ship ten radio sets on the 18th and ten sets on the 22nd. W	
307795	5/21	To Hamp Rds	Reqts that inductance coil be tested W	918
308122		See Card 151		

RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.	
306795	5-15	To Nat'l Elec Supply Co	Changing order for receivers, and asking information re delivery, W	
305572	5-14	To (T) Sims	For what purpose and what ships ar 35 portable radio receiving sets needed-W	
306397	5-14	To Int Radio T l Co	Fwds vandyke drawings listed- W	
306046	5/14	To S&A	Rqst shipment of Radio transmitting sets.	876
306047	5/14	To S& A		
306048	5/14	To S& A		
306049	5/14	To S& A		
306428	5/15	To S&A	Rqst shipmt of Marconi Radio transmitting sets.	
306429	5/15	To S&A		876
306430	5/15	To S&A		
305742	5/15	To S&A	Re shipmt from Washington to Phila of 2 type SE-712 radio redeivers? W	919
306923	5-17	To Marconi,	Fwding blue print of Mfg Instructions, W Internat'l Radio Co - submts comments - 5/31	
306926	6;6	Norfolk Cavite 7/16 --- No repair work done.	Fwds report of transmitters mfg by E J SIMON. W 9th Dist 7;11 Boston - Fwds prints 7;;25 M. I. Sub comments on Sims transmitter. 8;3	

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RECEIVING AND SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
307088	5-17	To Bureau of Standards	Fwding copy of spec of spark transmitters	W
307143	5-17	To New York	Re 100 Simon Radio Transmitting sets,	W
307426	5-17 To S&A- Reqt shipment order be cancelled. 5-29	To S&A	Rqst shipmt from Wash. to N Y 50 Nat'l Elec. Supply Co short wave radio rec.sets To Wash— in re to 100 Natl Elec Supply- ToS&A req amend of SO 5-17 3-25-19	W
307427	5-17	To S&A	Rqst shipmt from Wash. to Charleston, 15 Nat'l Elec.Supply Co short wave radio rec/Sets Received back 10:7 ~~T-oS&A-amend-of-ship-from-Washn-to~~	W
307331	5;15	Dr. L. W. Austin	Short range communication with receiving audience, submits report on probability of To Atlantic Fleet-Fwds above--5-18 RB 5-31	W
307547	5;4 5;12	Atlantic Force 1 Atlantic Fleet	Preliminary report of test with Lowenstein short range transmitter, fwds sketch with comments covering.	W
307100	8;27	Washington	Req ship instruc covering recepticles.	

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RECEIVING AND SENDING SETS: 1918 133

Number.	Date.	From or To—	Subject.	
305030	5-10	To Ship Bd	Fwds vandykes listed drawings-W	
305372	5-10	To Wash	In re weekly production report of receiving apparatus—W To Wash-Fwd production report-5-16	
306145	5/10	Co	Rquest relay key GE Co type to replace Federal Telegraph Co key now installed-W	477-6
306380	5;3	Mare Island	Fwds radio test report A - 431 on inspection of 1/2 k w Marconi radio sets. W To Mare Island-R st more detailed report in re behavior of gaskets -5-16 To NY— R st report on quenched gap--5-16 NY 6/47 M. I Fwds radio laboratory report on Marconi sets. W 6;17	
305378	5-11	To Marconi Co	Confirming phone conversation- Rqst that the one 1/2 K W spark transmitter which has been modified for transmission on 126 meters be delivered to Radio Lab NY instead of Wash Yard as previously planned-W Marconi Co - Shipment made to radio lab NY 5-14. W 5-17	
305726	5-11	TO S&A	Rqst shipment from Wash to Bu- Annex SE One amplifier---W Ship order 5;11 received back 5;14	

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RECEIVING AND SENDING SETS

Number.	Date.	From or To—	Subject.
305746	5-11	To Johns-Mansville	Rqst date of earliest delive ies on asbestos wood to Mr Lowenstein-W J. M. Co. 5;14 W J. M. Co. 5;15 To F Lowenstein Co-5-21- Johns- Mansville Co 6;20 W
306022	5-13	To Perry Gyroscope Co	Requesting information re delivery of receivers to Washington, W Sperry Co 5-17 To Sperry Gyroscope Co- Above inspected rapidly as possible- Would like status re-garding this order of receivers- 5-25 CO 5-28
306024	5-13	To Mr/ Lowenstein	Submitting copy of Mfging Instructions to be used in Mfg of spark transmitters, W
306038	5-13	To Price Brothers,	Re information of dwg numbers of spark gaps and where they are to be employed W
306778	5-15	To Indurstrial Man/ NY	Fwding blue print copies of alteration sheets of spec RE 13A 111, for correction W
306779	5-15	To Industrial Mangr NY	Rqsts that transmitter be held pending instructions from Bureau, W

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RECEIVING AND SENDING SETS

Number.	Date.	From or To—	Subject.
303877	5-8	To Wash	Fwds copy specfcns RE 13A 255A-W
304588	5-8	To E J Simon Co-	Fwds copy faults developed in Simons spark set generator---W E J Simon - Submits comment on report from Pensa on the failure of generators. (Cross 918)
304589	5-8	To Bost-	Radio Tel- Hand sending key-W Boston 5-17 To Bost- In re change of above-6-3 Boston - Fwds drawings. 6;14 Boston 6;19 W
304597	5-8	To Norf	Fwds copy booklet 4 RE 43A 103- 20 KW arc transmitter-W
305972	5;11	Sims	7773 - I L - 7737. Reqts shipment of portables receiving set and various chemicles to Gibralter. W To Opeations- re Sims despatch-5-21

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RECEIVING AND SENDING SETS

Number.	Date.	From or To—	Subject.	
25 4916	SEE CARD 118		To Wash- Call attention that papers have not been returned as requested 5-9	
304856	5-9	To F. Lowenstein	Asks that BU SE be notified before Army is supplied with Navy Spark Transmitter W F. Lowenstein reqts approval of furnishing 10 k w transmitter under water dept order W 5;11 To F Lowenstein, granting permission,,5-17 Shipping Board 6;28	
305540	5/9	F Lowenstein	100 2-kw sets motors will be compound constructing apparatus without covers etc. W	
266985		SEE CARD 108 VOID WRONG CARD	Marconi Company - Will undertake the sketching mechanism to change transmitter. 5-9	
305898	5/10 Walker Bros & Haviland 5/20 T- Rqst thickness of panels. W 5/20 Walker Brothers & Haveland 5;16 W	Walker Bros & Haviland To Walker Bros- 5-27	Rqst details in conn w equipt required for 2 k w radio sets W To Walker Bros & Haviland, giving advice as type of starting equipment to be supplied. To Lowenstein for spark transmitters, 5-15 Walker Bros.Reqt. actual width of mountings	CARD 149 W21 6/12
304855	5-10 To Yards-Fleet and Sims- In re Installation 2 K W radio equipment of merchant vessels maintained by Navy- Fwds set vandykes listed drawings--5-14 To Ship Bd-fwds vandyke of listed drawings- 7-3	To Yards and Stations-	Radio T 1 installation of 1 K W radio equipment of merchant vessels maintained by Navy- Fwds set vandykes listed drawings--W To Ship Bd- Fwds sets vandykes listed drawings--5-11 Charleston - 5-27	

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Number.	Date.	From or To—	Subject.	
304957	5/1	Great Lakes	Rqst return of distant control cabinet.W Fwd Boston, 5-13	
305068	5/7	Liberty Elec Corpn To Liberty	Rqst blueprint instns covering compound and treatment of fish paper for quenched gap gaskets.W Fwds as rqsted--5-10	
35923	5-7	Fwd Wash	Fwd for purpose of comment and recom re amend of contract the use of Zylonite or Pyralin	629
233493	5-6 p	See Card 87	To Phila- In re gauges for motor shaft of rotarty spark gaps--5-6 To Phila-- 5-10 To)(T) Bu letter 233493-898-W May 6th expedite 5-10	
304276	5-7	To Marconi Co	No further action required from company in delivery 10 K W spark transmitters-W	
304298	5-7	To NY	In re 5 K W transmitter ~~sets~~ Navy type spokes-Info asked in re above--W New York Sub. information 5;17 NY 5-30	

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RECEIVING AND SENDING SETS: 898

Number.	Date.	From or To—	Subject.
303845	5-7	To Phila	In re rotary spark ~~plug~~ Gap-Will make no change in existing contracts-W
305224	4/24	Aeroplane Force	Rqst 10 copies of instn book for radio receiver typeCN-208 be forwarded.W To Natl Elec Supply Co. 5-22 National Elec Sup Co. fwds direction in receiving set. W 5:23 To Naval Forces Abroad- fwds books as rqsted- 6-6
305169	5/3	Phila	Rotary spark gaps fwds blpts and vdks used in mfe of.W
305267	5/7	N Y	Fwds prints showing spark gap holders and switching arrgt for spark gap unit.W
305293	5/8	F B Perry & Sons	Fwds sketch showing proposed modification of radio blinker signal sets-rqst assign new type number.W Fwd Wash--5-11 received back 6;24 F B Perry & Sons 5;10 W Fwd Wash--5-24 To--- Suggestions made satisf. 6/27

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Number.	Date.	From or To—	Subject.
303240	4/29	Washington	Copy of letter to GE co relative to omission of connecting cabs on the Grid leak resistances.
303714	5/1	Mitchell Rand Co	Impregnated foraged tube - calls attention to one manufactured by them. W
266985	5-3	See Card 108	To Marconi Wireless Tel Co-Kindly inform Bu in accordance with letter April 18th- if company will undertakethe design of a switch to change voltage amperes on transformers primary witha change in number of gaps in series--W To Wirless Spec Co-Ditto-5-3 To Kilbourne & Clark--Ditto-5-3 Marconi Co. will undertake design of switch mechanism to change voltage of transmitter/5;9 K & C Company 5;8
	Kilbron & Clark Co - Fwds prints. 6;22 To Kilbourne & Clk.MCo. Ack.rect. of let. 7/12		
302824	5-3	To Bost	In re Difficulty in obtaining screws for 5 K W sending -receive switch--5-3 W
303075	5-3	To (T) GE Co(E P Edwards)	Will it be satisfactory to assign one plietron tube to Western Elec for its examination and test--W GE Co (T) Stern Elec Co already supplied -5/4

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Number.	Date.	From or To—	Subject.
303066	5-4	To Firms	In re standardizng various parts of radio equipment making up complete Navy transmitter
		Norf - submits recommendations as to specifications for standard rheostats. 5/28	Comments in re to--W
		To Marconi Co-Rqst action letter May 4th--6-4	To Norf-- Fwds copy above--5-4 SEE CARD #147
		To Wireless Spec. Ditto-6-4	To Phila--Ditto -5-8
		To Wireless Improve. Ditto-6-4	F Lowenstein 5/8 Gives infm re rheostats furnished.W
		To E J Simon-Ditto-6-4	Philadelphia 5;20
			N Y covering blue prints covering rheostats recommended in connection with. W 5;21
304574	4/24	Mare Island	20 K W arc transmitter under mfe at Yard fwds plans.W
304542	5/1	Nath Baldwin	rqsts orders for his head phones.W
		Baldwin - Reqst action. W 7;5	To Nath Baldwin-Asks improvement on his head phone-do not stanf rough treatment-5-10
			N Baldwin submits quotation on phones W 5;17
			Fwd Wash---5-27 R B 6/11
			To Nat.Baldwin. Re improved type of telephones.W6/1 5
304719	5/4	Boston	Confirms telephone conversation requstg authority to instal radio transmitters deld by W S A Co on LITTLE KIMBERLEY STEVENS & SIGOUNEY.W
304776	5/1	Cutting & Washington	Fwds film negative showing assembly of 1/2 K W with receiver.W
304963	?	?	Bluepring list showing various types of vaccuum tubes made by Western Elec- G E Co and DeForest.W

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RECEIVING AND SENDING SETS 1918 1918

Number.	Date.	From or To—	Subject.
300951	4-27	To Atlantic Fleet	Test of receiver as a low power transmitter-Det comment on--W
	Atl. Fleet. - Fwds report of test of receiver as low power transmitter. W 6;22		Atlantic Fleets fwds report of test of receivers as low power transmitters W 5;20
			To Atlantic Fleet- Test of a receiver as a low power transmitter-Det comment on--5-29
			Atl Fleet - 6-4 Atl Fleet 6;23
301126	4-27	To Marconi Co	Rqst set blueprints covering 10 K W quenched spark gap holder-W
			Marconi Co. drawings fwd Main Island. W 5;15
301984	4-9	Mare Island	Request copies of descriptive booklets
	4-27	NY	of K&C Co transmitter. W
302079	4-28	Phila	Fwds blue print and memo concerning rotary adjustible gap and spark gaps. W
			To Mare Iland-Radio-~~and~~ Mtor Generator on U.S.S.MARBLEHEAD- 5-6
			Mare Island - Fwds description of radio motor generator as installed on the USS MARBLEHEAD: (Cross to 882-3) 5-29
302282	4-27	Phila	10 KW rotary spark gap satisfactorily tested - believe existing drawings may be used for the present. W

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RECEIVING AND SENDING SETS 898-- 1918

Number.	Date.	From or To—	Subject.	
300946	4-29	To Bost	Question of location of suitable low power transmitter at Sub Sig Co station at Nahant-W 1st District. W 5/4 To 1st Dist-In re above-5-10	
302632	4/29	Western Elec Co	Fwds copy of letter from Lt J. E. Hudson requesting instrns, with prints, covering 1/4 KW oscillator sets - W	
301675	4-30	To Marconi Co	Rqst fwd 2 vandykes copies drawings as listed--4-30	
302088	5-1	To Fed Tel Co	Bu is preparing requisition for additional equipment at Point Loma--5-1 W	
303426	5-1	Wireless Spec Apparatus Co	200 Watt emergency transmitters - type C R 692 - relative to insulation material to be used - reports on status of experiments with bakelite. W	

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.
299872	4-23	TO S&A	Rqst shipment to FR from Wash Radio buzzer and blinker sets- W
299901	4-23	To Phila	Radio tel.rotary spark plug- Det comment on phone conversation-in re above-- W
300192	4-23	To Mechanical Appliance Co	- Fwd blueprint covering rotary spark gap motors-W
301091	4-13 4-23	Grt Lakes Boston	Distant control cabinets - Boston request return of from Grt Lakes. W Fwd Bost--5-7 To Boston. Asks if cabinets have been fwd. or if compl. signalling & distant control apparatus is available for shipt. to Newport. 8/16 To Boston. Reqts. reply to let.of 8/16. 9/23 To Boston. Re distant control apparatus for Newport. 8/16
		To 2nd Dist. Via Comdt. re distant control radio sta Newport. 11-18 Back from 2nd dist 11:29 To 2nd.Dist. Will ship 1 steel mast 12/3	
300234	4-24	To Dyneto Elec Corp To Weston Elec Inst. Co-	Advises that modified spec will be ford to cover compound winding on rotary spark gap motors W To Robbins & Myers Co - Ditto 4-24 Inspr Cincinnati - Request confirmation of change in winding rotary spark gap motors. W 5/2 To Inspcr Cincin-In re change in above-5-8
300669	4-25	To Bost	Rqst 6 Vandykes and 4 blueprint copies latest alterations of drawing RB 26F 102-W-S Boston - Fwds drawings of hand sending key. W 5/3

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
280043		CARD 122 Weston Elec Instruments Co - Fwds van dyke - 5/31	Weston Co-Request take action on question of thermo ammeters.W 4-25 Weston Elec Instr Co - W 4-30 To Weston Elec Co- --5-2 To Kilbourne & Clark- 5-7 **To Weston Elec Co- RE requirements for transmitters** Weston Elec Inst Co 5/8. Weston Elec. Co. asks if it would be convenient for company's rep. to call at the bureau. W 5;13	5-9
301559	4-26	NY	Ask if desire diameters of the pins of 5 KW gap unit increased. W To NY-- In re above--5-3 NY 5/25 To F. Lowenstein- wrench designed at present satisfactory-5-4 **F. Lowenstein 5;6**	
301954	4-19	Mare Island	Fwds booklets - description and operating instructions for 1917 order No 6 covering transmitters. W	
301855	4-25	Washington	Fwds copy of inspection test of 2nd station untuned amplifier - submitted by De Forest Co. W	
300858	4-27	To Wireless Specialty App. Co-- Asks if any progress has been made on break key for cutting in the receiveing circuit between dots and dashes-W		
300876	4-27	To Kilbourne & Clark Mfg Co- Fwds drawings of standard 1 K W Navy panel set-W		

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
298993	4/18	To Wash	Letter from Ford Inst Co. Fwds. Re testing detector. W	
299537	4/18	E.J.Simon	Copy letter to NY fwding wiring diagram 5 kW sets.W	
299660	4-17	Washington	Forwards prints of relay brake key and audion coupling condenser. W	
298560	4/19	To S&A	Reqt shipt of transmitter from Wash to NY. W	
298782 See CARD 166	4/19	To Bost	882-7 Test of 4 special Dubilier condensers. Instrns in connection with. W	
		Dubilier Condenser Co-rqsts report on condensers 6/10 (Cross to (882-1)	To Dubilier Cond Co--Directs submit condensers for tests. 4/19 Boston 8;10	
	6/14	Boston-comments on test of Dubilier Mica transmittg condensers	Boston - W 4-26	
		To---Asks to expedite reportonconrs.7/30	Dubilier Condenser Co - Request results of tests. W 5/3	
299957	4/20	NY	Assembling bases for 1/2, 1, 2, and 5 kw quenched gap units fwds VanDykes.W	
		NY 5/7 Fwds vdks on bases for navy type units.	To NY-- Rqst 6 additional vandykes as listed--4-25 N. Y. Vandykes fwd. 5;7 - 5;13	
299963	4/19	Boston	Request instructions rel to issue audion bulbs to ships.W	
			To Bost-in re above--5-1	

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Number.	Date.	From or To—	Subject.
300151	4/18	Washn Yard	Fwds copy of summary of all inspection data on SE form 143 receivers.
299230	4/20	To NY	Description booklets of 30 KW arc radio trans. Fwds. W
300006	4/22	To Phila T visit yds	Kuhn representative Wireless Improve Co desires visit Yard connection manuf rotary spark gaps for radio. Rec permission. W
300013	4/22	To Western Elec Co Vc	Bulbs which are reqted to manuf are for experimental work, and are not urgently needed. W
300744	4-23	Elec Control & Mfg Co	1 kw motor generator sets from Internatl Radio Tel Co - ask if satisfactory to use E.C.&M. starters. W To Elec Controller Co-Not aavisable to use other starters-5-6
300760	4-22	Industrial Controller Co	Request drawings of control apparatus for radio sets. W To Industrial Controller Co-5-6

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
286538			Dept-fwds copy action taken by War Dept. 3/12 To Dept 4/8 - RB 4-17 Approving recommendation Bureau to equip all troup transports with long range recevors and audion detectors.	118-771
298054	4-12	Boston Yard	Forwards prints of two-stage amplifier. W	
298992	4/14	Washn Yard	Submits report ~~on~~ by Lieut Eaton on trip to NY- reports on conference rel to DeForest receivers.W	
298993	4/16	Moore Instrument Co	Calls attention to detector design by A.G.Werther.	
		299026		
299026	4/4	European Forces	Reports shipment of sample unit model RNAS type 57 C.W. transmitter.W	
297588	4/16	To Firms	Fwds Vandykes of drawings listed for use in bidding on amplifiers on reqn 1841. W To Westinghouse - Fwds one print each of drawings listed re bidding Req 1841 4-24	

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Number.	Date.	From or To—	Subject.	
299368	4-18	Atlantic Sub Flotilla	Request practice radio sets for schools at Lake and FR for training men attached to submarines. W Inspr Lake - Copy of letter to Washington reqst shipment of sets be expidited. 7;2	
288626		CARD 120	NY - 1 kw quenched gap holder and switching mechanism - relative to misunderstanding existing between Bureau, Marconi, and Dowenstein, as to types. W 4-18	
298986	4/18	To GE Co	Ask if can supply 125 1000 to 2500 volt DC motor generators or dynamotors for use with type B pliotron tubes. W GE Co-Request addl information, and ask whether motor generators to be used for air or land service. W 4-23 To GE Co- no further action in re above-5-3	
298989	4/18	To GE Co	Fleet radio officer now experimenting with Alexanderson simultaneous sending and receiving system. Will submit report. W	
298990	4/18	To Wash	Reqting information concerning receiving tubes. Reqt est of what will be used. W RB 4-23 To GE Co- need about 3,000 tubes beside those now on contract--4-26	
298992	4/18	To NY	Reqting that Expert Radio Aid Van Dyke be ordered to Wash for 1 or 2 days on temporary duty re constrn of receiving apparatus. W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
296589	4/10	To GE Co	Reqt general characteristics and other information re 2 KW continuous wave transmitter being made for Signal Corps. W GE Co--4/16
296914	4/11	SperryCo	Can furnish thermometers duplicating those tested on ARKANSAS to operate on 80, 120, 240 volts.W
297602	4-11	Washington	Sperry receivers - forwards report on. W
296649	4/11	To Ward Leonard Co Cutter Elec & Mfg. Co	Specns RE 13A, in error. Corrects same. W Cutter Co 4-12 To Ward Leonard Co--Re satis breakers.4/16 To Cutter Co--4/17
291719	4/12	To CO SP Vessels	Wiring diagram for 1/2 KW spark transmitters manufd by Wireless Spec Ap Co. Contr 671. Instrns re inspection of sets on vessels, etc. W To Newport--Fwds drawings.4/18 To Phila--Ditto .4/18 Philadelphia 5;11 Second Naval District 6;20
298008	4-12	Washington	Aluminum castings used for mounting inductances in Natl Elec Sup Co's C.N.-240 receivers - forwards results of tests. W To

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
298088	4-12	Western Elec Co	Forwards copy of letter to Naval Academy, relative to Navy type of vacuum tubes. W	
296388	4/10	To S&A	Reqt shipt of induction coil from NY to Wash for test. W	876
298088	4/12	Western Elec Co	Navy type vacuum tubes-fwds copy corres with the Naval Academy.W	
	To Supt. Nav.Aca. Reqts. that inquir be made B. & state reasons W 6/1 . To West.E.CO. Ackn.rect. of let. W 6/1		To--4/18 Western Elec Co - Fwds copy of request from Instructor at Naval Academy for information. W 5-25	
298081	4/12	Western Elec Co	Confirms ~~xx~~ conversation rel to return to Navy Dept of 30 kw radio arc converter unit turned over to them in connection with developments of vacuum tubes no longer required.W	
298604	4/3	Pac Coast Supt	Automatic transmitter submits report on- consists of Kleinschmidt perferator and Brewer transmitter.W Fwd Belmar--4-26 RB 4-29	
297377	4/15	To Bost	Hand sending key manufd by K&C Co. Fwds with instrns re tests of. W	
	To Kilbourne & Clark- Lists report from Bost on hand sending key- 6-4 K & C Co 6/5		To Boston, asking advice re hand sending key, 5-17 Boston 5;21 Boston - K & C hand sending key - report on details. W 5-24	
298745	4-16	Dubilier Condenser Co	Request Lowenstein be authorized to sell them spark gaps. W. To Lowenstein--A uth supply Dubilier Cond Co with gaps as they may need.4/20	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
291585		CARD 121	F. Lowenstein - states use electrolytic silver. W 4-2 NY-copy letter fwds.4/2 Wire Imp Co-4/4 NY-Fwds plans.W 4-6 To NY--Acknowledges receipt of plans.4/12 Wireless Improve Co--quotes price.4/12
NY - Fwds vandykes. W 4-24			
295414	4-5	M Is T	E.J.Simon 4-17 Request shipping instructions for two 20 kw M Is type transmitting sets ready for shipment. W To--(T)Directs retain stock future assign.4/9
293868	4/5	To NY	5 KW spark gap unit submitted by GE Co. Fwds plates for test. W To N Y, re 5 K W Spark Gap units submitted by the General Elect Co. 5-17 N Y recommends secured additional castings for test of spark gap unite. 5;19 N Y 5;23
			To NY - 5-27
294803	4/5	To Norf	Drawings of quenched spark gap units. Fwds Vandykes. W
295112	4/5	To S&A	Reqt shipt of radio trans set from Wash to Bost for Radio Lab. W
To Boston. Will reply later 10/2 Fwd. Wash. 10/4 back 10;30			To Boston. Asks if radio apparatus rec'd. 8/1
Boston-Req action 10;25		Fwd Bost 11-1	Received back ~~9;30~~ 9-3
			Boston - 9;24
295113	4/5	To S&A	Reqt shipt of radio trans set from Wash to Phila for Radio Lab. W To Phila. Asks if rad. apparatus rec'd. 8/22
Phila- Material rec, yellow copy Fwd 9;26 W 10;3			
295673	4/4	NY	Receiver type CW 240 reports on defects in.W

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
295867	4-5	Washington	RW-3 received, submitted by Mignon Wireless Corporation - reports on test. W To Mignon W ireless Corp--Submits report.4/12 To--Directs return receiver.4/12	
376	4-3	De Forest Co	Replies to criticism of long wave receivers from De Forest Co	629
296366	4/8	NY	Spark gap holes-fwds print.	
294944	4/8	To Sperry Co	Ask approximate delivery dates of SE 1012 receivers manufacturing for Navy Dept. W	
295165	4/2	NY	Fwds radio drawings covering report of test on Sperry short wave transmitter on the Arkansas. A	121-6
296654	4/9	Washn Yd	Vacuum tubes submitted by the Moorhead Laboratories-fwds preliminary test.W To Moorhead Lab - report on seven vacuum tubes tested- comments 4-24 To Nav Intell-Fwds report-4-26	
296799	4/8	Signal Corp	Copy letter to the Natl Elec Sup Co giving them order for receiving sets.W	
295900	4/9	To Wireless Spec Ap Co	Reqt blueprints of drawing showing 1/4 KW Emergency spark transmitters be fwded. W	
295116	4;5	Shipment Order Fwd	Received back 8;27	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
293072	3/29	To Splitdorf Elec Co	Ammeters. Instrns re future supply of, including characteristics, etc. W To De Forest Co--Directs use zero left instrument on all future contracts.3/29
292952	3/29	Phone NY	1 or 2 KW set to work on 126 meters and two other short wave lengths. Re status of work on. W
292953	3/29	Phone Wireless Spec Ap Co	Emergency radio transmitters 1/4 KW. Electrose Co can use studs that are slotted. Can ship all such inserts already manufd. W Wireless Spec Co-W 4-2
294207	3/30	Lowenstein	Asks if small washers could take place of large gaskets under plans of rotary gap motor.
To Phila--4/18			To--4/6
Phila - W - 4-27			To Phila--Comments on.4/6
To Phila- 6-8			
Phila. Fwds blue prints 6;21			
294233	3/29	SE	Pliotrons contract 1030 and 1165 reqt that quoted patent clause be included in.W To--Fwds copy of letter to S&A.4/3 To S&A--Reqt for amendment of contr. 4/3
294356	3/27	Washn Yard	Fwds miscellaneous print short wave receiver.W
294357	4/1	F Lowenstein	10 kw rotary spark gap developed at Phila Yd - asks if is approved - reqt prints.W
294360	4/1	F Lowenstein	5-kw rotary gaps reqt apprvl of set of spare parts.W F.Lowenstein-Request action on letter of April 1st. 4-15 To--Lists of spares in accord with specns.4/22

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Number.	Date.	From or To—	Subject.
294632	3-29	Puget Sound	Test buzzer circuits for radio receivers - recommends against using telephone jacks to operate. W Fwd Wash—4/5
293990	3-30	NY	Reqts permission to install new method of arc sending control replacing absorption circuit method
294112	4/3 Boston	To Bost no date	Mounting of duplicate relay keys for 5 and 10 KW spark transmitters. Directs furnish drawing covering. W Bost-Switch panel - fwds vandyke.W 4-13 To -- Reqts that modifications be included in Drawing RB 23AA 113, unless N.Y. disagrees 4-24
294116	4/2	To Yards Fleets	Instrns for installation, care and operation of transmitters. Fwds. W
294493	4/3	To NY	Drawings of 1 and 2 KW combined quenched gap and condenser mounting. Reqt Vandykes. W NY--fwds print.4/12
294495	4/3	To Yards Fleets	Description booklet of 5 KW arc radio transmitter. Fwds. W Ports--reqt sheet six.4/9 To Ports--4/17
293868	6-7	See Card 146	

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RECEIVING & SENDING SETS. 1018

Number.	Date.	From or To—	Subject.
291478	3/22	To F. Lowenstein	Fwds photostat prints of pages from English publication re type of hand break key system. W
292266	3-21 3-23	3rd Naval District Communications	Request be supplied with amplifiers. W To S&A--Reqt shipt of amplifiers from Wash to 3rd Dist for Bush Terminal Station.4/5 To--Gives action.4/5 3rd District material received 5;15
292207	3-22	GE Company	Pliotrons for training purposes - forwards copy of letter from University of Vermont, requesting apparatus for instruction purposes and request general ruling in regard to filling such requests. W To--Acknowledges.3/27
292204	3/22	Washn Yard	Fwds miscellaneous simultaneously recd.
292482	3/23	Phila See CARD 163	Radio transmitter Sperry emergency type-submits comments and recommendations after testing.W Sperry Co Asks about transfer switch W 6;22 To Sperry Co--Fwds report.3/27 To NY--Reqt further report on sets.3/27 To NY-Rqst design of switch be hurried-5-4
N. Y transfer switchboard for Sperry transmitter fwds prints. W 5;16 New York 5;20 To Sperry- Fwd bluprints copy RY 24F 142A -showing switch developed NY- 5-28			
292059	3/25 Marconi Co-fwds VanDykes.4/8	To Marconi Co	Reqt drawings showing wiring diagrams for radio transmitter. W NY--fwds report.4/3
292869	3/26	Washn Yard	Fwds miscellaneous prints of short wave receivers.W
292462		SEE CARD 155	

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898:RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
293156	3/27	Inspr Standard	States has found hand starting panel in Jersey City asks disposition to be made of.	
	Fwd Inspr Standard--4/8 RB 4-11		To Wireless Marconi Tele Co--Reqt disposition of.3/30 To--Gives action 3/30 Marconi Co-Ask present location of box.W 4-2	
293240	3-28	F. Lowenstein	Recommends more holes be made in part 4A of spark gaps. W To--Comments on.4/3 To Phila--4/3 To--Directs make detail 32 of white horn fibre.4/19 Phila 4-22	
293356	3-27	NY	Relative to operation of audion bulbs of 126 meter wave length. W To Wash--4/1 Washn Yard--~~returns~~ Submits report on defects in receivers.4/22	
280043		CARD 118	NY-Fwds vandykes of two insulators.W 3-28 (Cross - 91T)	
	To Weston Elec Inst Co--4/20 Weston Co-Ask if desire assign new type number covering thermo ammeters.W 4-24		Weston Co 4-15 K&C Co--fwds prints.4/15 Marconi Co-returns miscellaneous prints.4/18	CARD 128
293503	3/27	NY	Defects in receivers-gives specific source of trouble. Fwd Wash--4/3 To Nat'l Elec Sup Co--Submits report.4/3	
293690	3/27	Washn	DeForest type CF-753 receivers-submits report on.W FWD S&A--5-8	
282759		CARD 117	Roller Smith Co-Submits dates can ship.W 3-29. To Wireless Spec Ap Co--Submits Roller Smith Co schedule for delivery of cinstruments.4/4	

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RECEIVING AND SENDING SETS. 1918

Number.	Date.	From or To—	Subject.
290144	3-16	Wireless Spec Company	1/4 kw sets - forward prints. W
290478	3/11	Washn Yd	Fwds report on test of GE Co grid leak resistance for receiving vacuum tubes.W To GE Co--Detailed comments on 3/22 GE Co-reqt authority to substitute brass for nickel plating in order to make soldering easier.3/30 To GE Co--4/4 GE Co-Comments on report.W 4-5 GE Co 4-20 To GE Co-Appsuggestion-Fwds drawing--4-23 To GE CO- 4-29
289665	3/18	To Wash	Test of vacuum tubes submitted by Moorhead Lab. Directs test and submit comparative report on. W To Moorhead Laboratories--Tubes sent to Wash for comparative tests.3/18 To Wash--Directs test tubes 3/27 Moorehead Labs-Quotes prices. W 3-28 Fwd Wash--4/2
290502	3/19	To De Forest Co	Re corres in connection with obtaining drawings of amplifiers. Directs proceed with manuf of at once. W
290762	3/20	E.J.Simon T	Reports on shipment of airplane transmissions.W (Cross to 918) To--(T)Ask when are going to begin delivery of transmitters.3/20
291055	3/19	DeForest Co	4 type AGT radio receivers-reports shipment of.W To S&A--3/21 To--3/21

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898:RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
291047	3/8	NY Marconi radio receiver NY	for chaser No.1 delivery to radio lab-asks disposition to be made of.W To NY--3/22
290699 NY-4/6	3/20	To NY	Navy type quenched gap units. Ask if drawings are available for wrench for use in tightening bolt. W NY-navy type quenched gap units-fwds VanDykes.4/1 To NY--Gives action.4/3
290776	3/20	To Marconi Co	Reqt quotation on spares listed for 5 KW transmitters for delivery to NY. W To 4/2 Marconi Co 4-9
To Firms--Instrns re making silver sparking surfaces for spark gaps. 4/1			
291585	3-20	Guy Hill	Recommends quality of silver for Navy standard quenched gap sparks called for in specifications be changed from coin to fine silver. W To NY--3/23 Marconi Co 4-5
		Liberty Elec Corpn-Have ~~[illegible]~~ provided electrolytic silver in lieu of coin silver.W 4-2 To F. Lowenstein--Instrns re making silver sparking surfaces. 4/1	NY--States specns spark gap matl on navy drawings are in error as to silver sparking service. 3/29
282906	SEE CARD 116	Marconi Co -Relative to use of oversize switches on switchboards. W To Marconi Co- 6-7 Marconi 6;15	To Crocker Wheeler Co--Directs supply a 1 KW motor generator to Marconi Co.3/21 To Marconi Co--Gives action as above.3/21 To NY--Reqt further comments.3/25 Crocker Wheeler Co-shipment will be made next few dayd. To NY--3/30
290768	3/21	To Wash	Development and manuf of 12 - 1 KW relay brake Keys. Directs undertake. W
290767	3/21	To Marconi Co	Ask if are supplying SE 143 receivers or CM 294 receivers on contr 31415. W Marconi Co-Gives type of receivers being built under contract 31415.W 3-30

CARD 124

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
287131	3/8	To Sims T	Plans British radio break key not received. Directs expedite. W Sims-T-data onbreak keys.W To--(T) Ask if British plans radio break key being fwded.4/16 Sims--No.6719-IL 6731 submits addtl info.W-4/20	
		To (T) Sims-Your 6719 no additional info neede--4-22-		
287721	3-7	NY	1 kw spark gap plans - forwards prints. W	
287837	3-6	NY	Spark gaps - forwards additional plans.W	
33014	3-5	NY	Standard relay key used on 5 K W sets; states not satisfactory.	629.
287266	3-8	NY	Spark gaps - one, two and five kw - forwards prints. W	
288151	3-7	USS MISSISSIPPI	Ten kw Lowenstein tubular quenched spark gap - reports on performance of. W To NY--Fwds copy of above letter and reqts infor re operation of gaps under accept tests.3/13 Norf reqts devel. 10 kw self cooled gap NY-states design of 10 kw self cooled gap	gaps be undertaken at N Y 5;1
		presents difficulty that can be overcome only with considerablework.3/29 To NY--4/5 To Norf-- In re shipment of defect-gap to NY--4-25 4-25 To NY-- in re above--4-25		
288162	3-9	Ingersoll Company	Recommends that Liberty Electric Company's bid on radio transmitters be accepted. W	
287528	3/11	To GE Co	Fwds prints of drawing showing spark gap unit for self cooled quenched spark gap. W GE Co - Acknowledge. W 3-13	

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Number.	Date.	From or To—	Subject.
288648	3-5	M Is	1/2kw panel transmitters manufactured by R&C - report of test. W
288625	3/10 To NY--4/8 To NY--Instrns.4/13	NY	Spark gap holder and condenser light compound fwds draft. To--3/23 NY-States spark gap holder condenser rack is copied from the Lowenstein rack in every detail.W 3-30
288940	3/12 To-- Does not encourage new design spark transmitter 5-9	Wireless Improv Co	Offers their facilities for development.W To--4/19
W I Co 6/to	Wireless Improvement Co. reqts Co be furn. with various radio Co.		Wireless Impro Co - Ask with whom should communicate with in Bureau. W 4-26 designs of apparatus in order to sub bid. W 5;23
288742	3/14	To Bost	Test of 2 KW Wireless Spec Ap Co radio trans sets. Directs ship tests without relay key. Key can bemailed later. W
288993	3/14	To Signal Corps	Exchange of 27 long wave receivers. Instrns re manner to handle with Nat'l Elec Sup Co. W
289603	3-14	Sperry Gyroscope Co	Request extension of a week to develope long wave receiver. W To--Date satis.3/20
289685	3-15	S. Cabot T	Asks antenna capacity with inductance, for use with buzzes radio sets. W
290068	3/13 Manhattan Co-Asks if ~~hand~~ hand radio key recently tested at NY, for 2 kw is approved.W 3-22 To--4/1	Manhattan Elec Sup Co Manhattan Elec S Co-5/10-submits vdks showg assembly of hand radio key.	hand radio keys have reqts from Wireless Improvement Co to quote on 50-ask if their number 84 will be approved.W To--3/20 See Card 140 To Wireless Improve Co--Comments on test of key.3/20

CARD 126

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
286004	3-1 Perry & Sons sets to radio test shop.W 4-16 Fwd Wash--4-30	Perry & Sons Have forwarded 2	Forwards photograph of their improved Radio Blinker signal set. W To Wash--Ask if price quoted is reasonable.3/7 To--Directs fwd samples to Wash.3/7
		void 286239	3/1 Marconi Co
286239	3/1	Marconi Co	Reports on Dubilier condensers in connection with testing 10 kw sets.W To--Comments on.3/6
285598	3/1	Eaton T	Asks who recd award for 300 two stage amplifiers - W To--(T)Award rec to De Forest and GE Co.3/2 Can not deliver telegram - address Eaton W 3-5
285228	3/2 Marconi Co-statesnavy gap units should be included in contracts quoted.-3/25	To Marconi Co To Firms	Fwds Vandykes for use in manuf of spark gap units on contrs for radio sets. W shoTo Wireless Spec Ap Co-- Marconi Co--Fwds amendment sheet to Vandykes.3/4 To Marconi Co--3/21
285736	3/2 To NY --3/20 NY-Submits recommendations rel to standardizing finish for radio apparatus.W 3-20	To NY	Manufacturing instrns for 5 KW quenched gap transmitters. When award is made, directs fwd revised instrns to company receiving award. W To-- Ditto for 2 KW sets.3/4 To NY--Comments on.3/14 NY--3/15
285545	3-2	Sperry Co	NY Forwards detailed specifications for wave receiver. W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
	Wireless states mfg	Spec App Co-~~Kerx~~ Gap hole adapted for use standard 1/2 kw transmitters transmitters under way-held up unless prompt decision rendered.3/30	
286564	3-2	NY	1/2 KW spark gaps . L NY fwds print. 4-20 To Wireless Spec Ap Co--Fwds blueprint showing proposed holder and switching mechanism and aks if can incorporate in sets being manufd.3/15 To E. J. Simon--Ditto. 3/15
	To Marconi Co--Ditto.3/15 E.J.Simon-comments on spark gap mechanisms.3-27 To NY--Reqt Vandykes.4/9 To Wireless Spec Ap Co--4/9		
286693	3-4	NY	One kw self-cooled quenched spark gap - forwards plans. W To--Fwds Vandykes with comments.3/9
284508	2-28	Yards Fleets.	Description booklet of Navy Crystal detector. Fwds. W. 876.
286988	3-5	Phila	Request steps be taken to maintain stock of oxide filament bulbs at Bost Yd. W Fwd Wash--3/12 RB 3-28 Fwd Phila--4/3
285768	3/5	To Yards Flets	Description booklets of radio transmitters. Fwds. W Ports - Gives resistance. W 3-12 To Ports--3/20
285767	3/5	To Wash	Fault in long wave receiver, type CN 240. Short circuit between the tickler coil and the secondary coil between positions 1 and 2. W Washn-states wx deliveries from Natl Elec Sup Co show faults in long wave receiver.W
286042	3/6	To Bost	5 KW relay key. Re making conform to latest revision of blueprint. Instrns. W Bost-Gives drawing #6. W 3-13
286701	3/8 K&C Co-Fwds negatives.W 3-23	To K&C Co	Reqt fwd set of film negatives showing 1/2 KW radio transmitter, and set of films showing type CE 606. W K&C Co-Film negatives were forwarded 3-23.W 3-26

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
284738	2-26	Atl Mine Force	Request NY ship spark gaps. W	
	NY - gap delivered to USS SAN)		To NY--Auth.2/28	
	FRANCISCO 3/1 - 3/2		To--(T)NY auth to issue.2/28	
	To NY--3/6			
	NY States spark gap was issued USS SAN FRAN. (Cross-SAN FRAN 6) 3-25			
284783	2/23	Washn	two step amplifiers-fwds print.W	
284975	2/26	C.I.Hall	Request radio expert be sent Fort Wayne immediately to approve amplifier.W	
285050	2-26	Century Telephone Co	Instruction set buzzer - requests orders.W	
			To--Have sufficient number at present.3/4	
284916	2/25	Belmar	Special report on advantages of high pitch telephone receivers - comparrison between Brown and Baldwin types	
	To Century Tele Constr Co--Fwds copy of report, and directs investigate.3/2			
	To Wash--Fwds corres.4/2		Century Telephone Co 3-27	
N-#3322	2-26	Marconi Co.	Ask if necessary to submit samples of 1/2 kw gaps soldered by their process, as the 42 KW gaps already furnished have given satisfactory service. W.	629.
285071	2/28	ToWash	Specns for 1/4 KW port field transmitters. Fwds. W	
285123	2/28	To Marconi Co	Returns memorandum left by Mr. Sarnoff. W	
285125	2/28	To Bos T T	Directs expedite test and shipt 2 KW trans. W	

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Number.	Date.	From or To—	Subject.	
280043		CARD 117	F.Lowenstein-request bureau enter his drawing numbers against list of bureau's drawing list. W	
		To F. Lowenstein--Fwds drawings.3/19		
		Western Elec Instr Co-W. 3-19	Washington-Forwards vandykes.W 2-28	
		NY-Fwds insulator prints.W 3-24	F. Lowenstein - Forwards vandykes.W 3-5	
		To Weston Elec Inst Co--3/23	F. Lowenstein - Requests certain plans.W 3-8	
		E.J.Simon-asks when complete & correct vandykes may be expected.3/27	To NY--3/18	
		Western Co-Submits report of status.3-28	To NY--Reqt Vandykes.3/19	CARD 122
285571	2-20	NY	Quenched spark gap-asks numbers of boats and washers required for securing plates. W	
			To--Gives action.3/8	
284				
285478	2/28	Washn	Short wave receivers-fwds plans.W	
280043		CARD 117	Boston - Forwards plans.W 2-27	
		To Firms--Fwds blueprints.4/9	Phila-fwds 26 VanDykes.3/4	
			To E. J. Simon--4/5	
			To Marconi Co--Fwds blueprints.4/9	
285640	2/26	Washn	Wireless specialty long wave receiver-reports on test.	
			To Wireless Spec Ap Co--Submits report of test.3/5	
285088	3/1	To Westinghouse E&M Co	Fwds blueprints to use in preparing ests for receivers. W	
		To Firms		
285327	2/27	Marconi Co	Request authority to use brass in lieu of bronze on 5 kw spark gaps.	
			To--Gives action on.3/5	
285901	2-28	NY	Spark gaps - forwards vandykes. W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
283864	2-21	Wireless Spec Co	Request prints referred to in general specifications for radio receiving equipment.W To--Fwds prints.2/26	
283895	2/21	Clapp Eastham Co	Fwds sample of high pitch practice radio buzzer.W To Wash--Directs test buzzer.2/26	
284171	2/21 2/23	Ensign E. A. Gisburne Bost	Fwds scheme for an amplified radio receiver -W To Dist Com Supt Bost--Acknowledges.2/26	
284198	2/22	G. H. Clark	States Western Elec type of telephone receivers superior to the Century type - W Fwd Wash--2/26 - RB-3-8	
284199	2/22	G. H. Clark	Suggested improvements in long wave receiver-W Fwd Wash--2/26	
283716	2/25	To Wireless Spec Ap Co	Ask if can make delivery of 8 sets of auxiliary transmitters by March 15th. W Wireless Spec Co - Will meet delivery requested by Bureau. W 3-5	
280043		CARD 116	K&C Co - Asks if same type of transmitter will apply to 2 kw set. W 2-19	
To K&C Co--2/27 NY-Spark transmieeter - forwards drawings.W 2-27			Phila - Forwards plan. W 2-21 K & C Co - (T) Dickinson's letter stated Plant shut down on acct of fuel order - request assistence - 2/26 -W & SG	CARD 118
To F. Lowenstein--2/28 CARD 118				
284358	2/26	To Sperry Co T	Ask for estimated dates delivery 20 short wave transmitters. W	
Sperry Co-fwds prints.2/27				

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
282759	2/19	To Wireless Spec Ap Co	Ask probable date of delivery of auxiliary radio trans sets developed for use on destroyers, W	CARD 122
for instruments for one set for apparatus from Wireless Co.3/8 Roller Smith Co-3/9				
30808	2-19	To Yards.	To R ollmer Smith Co--Reqt infor re shipt Instrns for care and operation of Simpson panel type transmitters. Fwds. W.	629.
283073	2/16	Ports R	Relay key Marconi type1-defective-fwds sample.W	
282761	2//20	To F. Lowenstein Circular to firms	Spark transmitters similar to those on reqns 1358 and 1361 undergoing test at Wash where same can be witnessed. W To Wireless Spec Ap Co--Ditto.2/20	
283503	2/20	Lowenstein	Asks if 10 kw rotary gap is approved by Bureau.W To -- Motor 1000 watts capacity required 4-24	
To Phila--Directs complete drawings at once.3/18 To Phila--Ask if rotary gap has been built and tested.4/6			To--Comments on prelim tests.2/27 F. Lowenstein-Asks if 10 kw rotary gap has been tested and approved.W 2-26	
283587	2-21	Marconi Co	Tubes delivered by G E were 24 in lieu of 12 volt. Best delivery promised Feb 28. W	
283627	2-20	NY	Receivers supplied by the Nat'l Elec Co. under contract #208735 - reports on defects. W Fwd Wash--2/26 Fwd NY--4/3 RB 4-11	

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RECEIVING & SENDING SETS.

Number.	Date	From or To—	Subject.
	To K&C Co—(T)2/25		Boston-radio panel drawings-fwds-2/19 (Cross to switchboards)
	To Firms--Fwds blueprints.2/21		
280043	2/9	To Wireless Spec Ap Co CIRCULAR LETTER.	Fwds blueprints of drawings as listed for use in preparation of bids for spark transmitters. W
	Weston Elec Inst Co--2/15		To F. Lowenstein--Ditto.2/9
	To Wash--Reqt fwd Vandykes of spark transmitters.2/16		To Marconi Co--2/9
	To Yards--Ditto.2/16		To Firms--Ditto.2/11 To Phila/2/11
	To Firms--Ditto.2/19		To Yards--Ditto.2/11
	To Marconi Co--Fwds.2/20		To Wireless Improve Co--Fwds prints.2/13
			To Firms--Fwds prints.2/14
280794	2-9	NY	K&C-T-States received Schedule 3154 1/2 only.W 2220 Copy of letter, spark gap drawings, to Marconi Company. S
280841	2-9	EJ Simon	Requests their design of 1-KW transmitters be considered in connection with bids opened Feb. 20. W. E. J. Simon - gives additional information relative to standardization of assignment of one KW transmitter design - 2/16 - W
281176	2/8	Washn Yard	Fwds copy of letter sent Natl Elec Sup Co describing changes necessary in receiver in order to insure rapid production.
281311	2-11	NY	2-KW self-cooled quenched gap unit. W.
281795	2/13	Internatl Sig Co	1 kw set Simons design-asks if Bu can furnish mfgring information.W To--2/16
281361	2/14	To Wash	Reqt Vandykes and infor re install wiring up and operation of Navy Standard receivers. W
	Boston Yard-fwds prints.3/21		Boston-Forwards vandykes. W 3-5

CARD 117

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898-RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
281829	2/14	Manhattan Elec Sup Co	Auxiliary radio hand key-states is fitted with legs.W
282080	2/16	To Firms	Fwds blueprints, manufacturing instrns for use in preparation of bids for 5 K.W. spark trans. W
282797	2-16	Boston.	Relay key; fwds. drawing. W.
282181	2/18	To Wireless Spec Ap Co	4" instruments from Roller Smith Co for use with emergency transmitters. Reqt information re progress of work on transmitters. 2/18. W Wireless Specialty Apparatus Co-2/20 3 times.3/14
282906	2/17	NY	NY--states have fwded spark gap drws to Marconi Marconi 1 kw navy spare panel set-submits report on test of.W To--Comments on.2/21 CARD 121 To Marconi Co--Submits report of test in detail.2/21
		To Marconi Co--Fwds copy of further report of test. Reqt comment.3/6 Marconi Co-3/8 3-12-Marconi Co-Have not been able to place order for rheostats reqd.W	NY-3-1 -- Marconi Co-3-1 --- 1 kw panel set-supplementary report.W
282804	2-18	NY	Self-cooled quenched spark gap, 1/2 kw - forwards plans. W
282471	2/19	To NY	Transmitting keys fwded by Naval Attache, London. Not received at NY. No record of. W
282475	2/19	To Phila	Rotary spark gaps being manufd on job orders 26680 and 26678. Gives drawing which should be in accord with. W

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
278605	2/4	To Wireless Improve Co	Fwds copy of specns to be used in manuf of receivers. W
279034	--	Bost	Flame proof hand keys - fwds prints - W
279160	2-4	Phila	5 kw radio spark gap; fwds vandykes.W
279601	2/2	Western Elec Co	Fwds copy of letter S&A stating impossible to estimate cost for audion control boxes until their first model is completed. W
279512	2/6	Coggin T	1000 type C vacuum receiving tubes ready for shipment.W To Nat'l Lamp Wks--(T)Directs shipt to Wash.2/8
279714	1-25	Dr L W Austin	Tuned telephone circuit in use with oscillating audion; reports on.W
279589	2/7	To Firms	Proposal for bids on 200 spark transmitters in accordance with blueprints fwded will soon be fwded. W
279590	2/7	To Firms	D itto. W To Liberty Elec Corp--Ditto.2/8 Liberty Elec. Corp. reports receipt of prints. W.

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
279907	2-6	Wireless Spec Co	Fwds vandyke of negative detector superceding previous plan.W	
279281	2/5	Nat'l Elec Supply Co	Short wave receiver - are fwding sample - W Fwd Wash--2/12 R B 2/16	
280074	2/7	NY To Manhattan Elec Sup Co--3/15 Manhattan Elec Sup Co-will submit photograph when received.W 3-18	Manhattan Elec Supply Co's hand key - reports on test and recommends approval of 1 & 2 KW sets only - W To Manhattan Elec Sup Co--Appvs key for use with 1 and 2 KW sets.2/16 To NY--2/16	
280371	2/5	Marconi Co	Transmitting apparatus gap condenser mounting, etc - asks proper finish - W To NY--Fwds copy of above with comment.2/27	
280372	2/6	Marconi Co	Spare insulators for 2 & 5 K W rotory gaps - asks number of spares to be furnished - W To Phila--2/27 To--2/27 To--Instrns re supplying gaps with spares.3/6 Phila--3/7	
280253	2-7	GE Co	Reports shipment of first 100 tubes ~~for~~ Feb 5.W	
280494	2/6	Marconi Co	Lowenstein quenched gap-request plans.W	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
276651	1/22	Bost Yd	Silicon -Antimony detector - fwds print To Wash--Acknowledges.1/30
276735	1/28	To Dyneto Elec Corp	Are auth shipt from Phila of rotary gap assembly to expedite development of a rotary spark gap motor.W To Phila--Directs ship.1/28 ~~Phila -- Will not approximately 20 condensers by Aug 1st. --- 7;22~~ Phila - 7;22 8/27
		To Sup Officer Phila- Not nec to invoice transaction of return of rotary spark gap. 1;17 To SO Phila- Rotary spark gap referred to is to be retd to store- To Bost--2/28	
277 026	1-25	Bost	2 kw auxiliary hand keys; fwds prints.W T o Bost--Appvs change in design. 1/30 Boston 2-9 Fwds. plans.
		To Bost--Directs alter drawings.2/15 Boston-calls attention to info under ref drawing.2/23	
276964	1-24	Dept Commerce	Fwds copy of letter from L. C. Bensten, calling attention to amplifying radio wave regenerator.W To--Acknowledges.1/30 To E. C. Densten--Will test amplifier at Wash. 1/30 E. C. Densten 2-5
		To E.C.Deniston--Instrns re getting into Wash Yard.2/14 E.C.Densten-2/19	
276978	1-25	GE Co	Requisition 326, 1,000 receiving pliotrons; states have give minstructions to bill at $4 each.W T o--Acknowledges.1/31 To Wash--Fwds copy of letter from company.1/31
277544	1/28	NY	1/2 KW spark gap unit - fwds print - W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
277604	1-24 1-29	Dept Commerce Communications	Fwds copy of letter from E. C. Denstein, relative to amplifying radio wave regenerator.W
276827	1-24	Mount Vernon Co	Special adapter for bulbs; have received plans; will quote price.W
277746	1-39	T. N. Moore	Listening apparatus invented by A. T. Turney-calls attention to. Request be given authority to operate his laboratory for test.W To Signal Corps—F wds above letter.2/1
277735	1-28	Bost	Standard key contacts - fwds prints. W To Phila. Re motor for rotary spark gap.7/29
277733	1-28	Wash	Radio receiver, type SE 952; recommends changes in.W
278244	2/2	To Sperry Co	Fwds copy of specns RE 13A 242B. W
278369	2/2	To Phila T	Reqt five sets Vandykes drawing RL 32F 117B. W
278843	2-2	NY	Spark gap gaskets; fwds prints.W To Appvs with changes as listed.2/12 To—2/16

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
275415	1-18	NY	Quenched spark gap unit; fwds plans·W	
275820	1-17 1-22	New Orleans S&A	Request 200 silver chloride cells for receiving sets for stock·W To S&A—R eqt shipt of silver chloride cells from Wash to New Orl for stock.1/26	
276057	1/24	To Mignon Wireless Corp	Reqt fwd radio test shop at Wash for test and recommendation one of type RW 3 radio receiving cabinets. W	
275165	1/22	To ~~Sec War~~ Sec Sig	Requesting transfer of funds to purchase radio transmitters. W War Dept-States buzzer transmitters are ready-cost $420 W 2-26	
275278	1/22	To NY	Standard quenched spark gaps. Auth proceed with manuf of, with any modifications as may be necessary. W	
275505	1/22	To NY	Reqt for Vandykes of instrn booklet for Navy 5 KW radio set. W NY - Fwds booklet drawings. W 2-27	
33396	1/21	Boston Yd	Fwds report on test of 1/2 kw radio transmitters. W	629
274116	1/25	To GE Co	Fwds prints as listed of coils on 5 KW quenched spark transmitters. W	

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
276418	1/25	To Sims T	Can supply 600 Type CAV headphones per week. T hese are superior to Baldwin phones. W Sims copy 21027 500 best type receivers for K tube compensators urgently needed 1-27
276294	1/25	To Yards Firms	Manufacturing instrns for 1/2 1,2,5 and 10 KW spark transmitters. Reqt any information which will assist in compiling.1/25
To P. Lowenstein--3/14			Lowenstein-Recommends changes in drawings.W 3-4
			Phila - Spark gaps - suggestions for change in manufacturing instructions - forwards prints.W 3-8
275774	1/23	To Phila	Preparation of specns for non-synchronous rotary gap. Directs prepare prelim specns. W Phila 2-6
To Phila--Ask progress.3/22 Phila-specns fwded Mar.19th.3/25 To Phila--Reqt recommendati ns.3/26 4/20 To Phila--Non synchronous spark gaps on hand changed in specfs.			To Phila--Reqt complete specns for gap and motor be fwded.3/27 Phila - Recommended specifications.W 3-19
276307	1-27	NY	Fwds copy of letter addressed to 3 firms, forwarding standard type self-cooled quenched gap vandykes of standard cooled gaps.W
276305	1-23	NY	Navy standard quenched gap units; fwds drawings.W To--2/15
276704	1-25	N Y	One, two and five kw self-cooled gaps - fwds vandykes. K To--Appvs drawings.1/31
276492	1/26	To CORSAIR	Information reqted re low grumbling sound in radio receivers on. W
USS CORSAIR-3/8 To Sims--Directs have vessels watch for sound.4/5			

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
274020	1/16	To Wash	Faults observed in receivers passed by Wash Yard. Instrns re not passing receivers with short circuits. W To—Instrns re inspection.1/17
274447	1-15	Wireless Spec App Co	Navy detector; fwds vandykes W
274016	1/17	To Wash	Design of Audion control boxes. Instrns re adapting vacuum tube sockets to base. W To—Lists feature to embody in design.1/23
274018	1/17	To Wash	Standardization of vacuum tube bases. Instrns re future reqns calling for. W
274019	1/17	To Wash	Design of amplifier. Directs recommend most satis type on completion of tests. W Wash gives list of amplifiers submitted and reports on test of 1-26 To Wash—Reqt Expert Radio Aid vist Ft Wayne Feb 28th.2/20
274145	1/17	To GE Co	Inspection of visual receiving sets by Lt. Comdr Sweet. Reqt all information available in connection with sets. W GE Co—2/15-fwds outline of specns.2/15
274638	1-17	Wash	Crystal cup; fwds prints.W
274637	1-17	Wash	Audion bulb receptacle; fwds prints.W
274520	1/18	To S&A	Reqt shipt of receivers from Wash to Pug Sd for Chasers. W
274116	1/31	To GE Co	Complete drawings of coils on 5 KW Navy type quenched spark transmitters fwded Jan 25th. W GE - 2/15 - W GE Co-Reqst place ord. 6;20 To—Comments on.2/19

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
274521	1/18	To S&A	Reqt shipt of receivers from Wash to M.Is. for chasers. W
274522	1/18	To S&A	Reqt shipt of receivers from Wash to Pug Sd for Chasers. W
274523	1/18	To S&A	D itto from Wash to M.Is. W
274525	1/18	To Wash	Buzzer instrn sets. Reqt Vandykes as listed W Wash 2-5 .
274852	1-18	Dr L W Austin	Reports on comparison of Western Elec J bulbs with GE Co G bulbs·W Fwd G.H.Clark--1/21
275470	1-21	Mare Island T	States no satisfaction self cooled gap develop. Requests authroity to use as per plans mentioned.W To--(T)Grants auth.1/22 M Is - 2/5 - W
~~275273~~- 275217	1-18 To--Fwds report.3/11	De Forest Co	Fwds sample socket of plunger type in connection with type J bulb·W Washn Yard-submits report on DeForest 4 prong audion socket.3/5.W
275399	1/21	To NY T	Auth loan of type CN 113 receiver to Wireless Improvement Co. W NY - T - Fwd by express 1-23 -W

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
273138	1-7	Kalmus, Comstock, Westcott	Silicon carbide crystals for radio signalling; fwds experiments and description.W To Wash--Fwds for test.1/14 To--Fwds to Wash for test.1/26 Inspr Westinghouse-request action-W-1-26	
273223	1-10	Atl Flt	New Navy radio receiver; fwds reports on operation of from various ships.W Fwd Wash--1/23 RB 1-29	
273532	1-12	NY	1/2 kw gap,holder type; fwds vandykes.W	
273418	1/10	Marconi Co	Design of non-synchronous spark gap-asks if any action has been taken. To--Comments on.1/22 Co 1-26	
273555	5/4	Citizens Telephone Co	Fwdsdrawing of radio receiving station.W To Admiral Smith--Comments on.1/23	
273579	1/12	Norf	Single ?? carborundum detector-reqt Bu develop.W To Wash--Submits above recommendation.1/17 To Norf--1/17	
273805	1-10	Phila	Confirms telephone conversation relative to long wave radio receivers for HOPKINS class vessels.W	

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
272818	1/12	To E. J. Simon	Acknowledges receipt of drawings of flame proof key with sample. Disappvs use of with reasons for so doing. W. To—1/14
273072	1/12	To Manhattan Elec Sup Co	Will purchase 25 instrn sets similar to those on reqn 76/1918. Drawings will be fwded in few days. W Co 1-18 To—Directs proceed with work at once.1/24
272772	1/14	To Yards	Errata sheets to specns for radio transmitters. Fwds as listed. W Phila-reqt 2 copies of errata sheets.2/23
274101	1/14	Weston Elec Co	Amplifiers-states have use of Fessenden oscillators on board destroyers and submarines-fwds description and prints.W
	N. Baldwin - reports on rate of		delivery of phones - 1/22/
273723	1/15	To N. Baldwin T	Reqt weekly report of rate of delivery on Baldwin Head 'hones. W
	Feb 1st. 1/18	N Baldwin-States can deliver 150 phones weekly after Feb 1.W 1-22	Baldwin (T) can deliver 150 to 200 head phones weekly after Feb 1st 1-17 To Sims—(T)Can deliver 150 sets weekly starting
	Baldwin 1-17		
	1/10	GE Co	GE Co - Relative to developing new type receiving set.
273819	1/15	To GE Co	Airplane transmitters. Detailed comments and instrns in connection with development of. W
	GE Co - 1/25 - W		GE Co gives data requested 1-18 below
	To—Detailed comments.1/29		
	GE Co fwds copy of correspondence		with the Radio Division 2-1
274369	1-16	Atl Flt	Submits report on various vessels on standardization of quenched gap holders.W
273819	see above		GE Co-gives understanding.1/31. To GE Co—Reqt have representative visit Bu.2/8 GE - 2/15 - L

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
272469	1/8	F.Lowenstein	two kw radio transmitters-suggests changes in.W
272673	1/8	Wireless Spec A Co	Navy detector type SE 133A fwds Vandykes.W To Wash--Fwds booklets of prints.1/31 To--Acknowledges.1/31
272539	1-7	Wash	Crystal cup for type CN 113 field type receivers; fwds drawing.W To--Assigns type number.1/11
272547	1-8	Marconi Co	Request proposal form covering 3 10 kw Lowenstein relay keys delivered at NY Yd.W To--1/11
272405	1/9	To GE Co T	Directs ship watershield phone set to SE by express.W To--1/17
272864	1/9	Washn	US standard plugs, bulbs, etc-fwds Vandykes.W To--1/18
273005	1/10	NY	Key knobs - fwds drawing showing new type and request authority to purchase-gives reasons.W To--Appvs drawing.1/24 To Bost--Drawing appvd. 1/24
272994	1/9	NY	Receivers for merchant ships--fwds photo showing one constructed by John Firth-reqt authority to issue proprietory reqn for 25 sets.W To--Appvs purchase.1/15

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Number.	Date.	From or To—	Subject.
273027	1/10	NY	Moulded composition key knob-fwds print. To-Bost--Appvd.1/24 To NY--Print appvd.1/24
218531	SEE CARD 80		To Phila--Directs prepare prints for spark gap.1/b Phila fwds prints 1-30
272519	1/10	To Firms	Proposal for bids on Rotary spark gaps. Reqt prepare bids in advance of receipt of formal order. W
272815	1/11	To Wash	Test of Lenzite crystals. Fwds sample for tests. W Washn Yd--fwds report of test on Lenzite crystals.3/2 To Lenzite Crystal Corp--Submits report.3/11
272815	1-3	Lenzite Crystal Corp	Fwds sample of crystal detector for test.W
273132	1-10	Sperry Co	1-2 kw quenched gap unit; request drawings for use on emergency transmitters which they are now designing.W Co 1-18 To--1/22

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
269900	12/29	To Wash	Test of amplifier of type used by Signal Corps. Directs test device. W
270182	12/31	To Marconi Co To Wireless Spec Ap Co To Bost--Re standardizing for relay key.1/24 Bost - fwds prints 1/23	Gives description of relay key will adopt as standard for 5 KW radio sets. W To Bost--1/2 ~~To Bost & Companies~~--Instrns re building relay key.1/8 Bost (no date)
270908	12/27	Washn Yard	Specifications for new radio receivers-modifications to.W
271238	1/2	Gen Elec Co	High resistance tubes-quotes price. To--1/5
270978	12-30	G H Clark	Test of a new type of telephone cap; fwds report on.W
271667	1/5	Wireless Spec Ap Co	208 short wave receivers- type SE-143 request ~~[illegible]~~ dimensions be filled in on print fwded.W To Wash--Fwds above letter and print.1/8 RB 1-16 To--Fwds drawings.1/21 To Nat'l Elec Sig Co--Ditto.1/21
271204	1/4	To M.Is. Fwd Wash--2/20 M Is-States reply was made in monthly report.W 2-13	Test of new type of audion bulb, developed by GE Co. ~~Reqt comment and recommendation on.~~ W M Is-new type audion bulb-submits report on.2/6
271575	1/3	Marconi Co	Emergency transmitters for destroyers-asks resistance available on antenna. To--1/9

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898: RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
271749	1/4	Boston	Radio auxiliary handkey--1/4 and 1/2 kw fwds prints.W To--Grants auth to manuf.1/12 Bost-Forwards plans and photographs.W 2-27 Bost-Fwds prints.W 3-24
	To Bost--Assigns type numbers.3/2		
271756	1/5	F.Lowenstein	Quenched gaps--fwds prints of nameplates.W To--Acknowledges with comment.1/9
271547	1-5	L W Austin	Fwds description by Ensign J L Allen, laboratory receiving set, with directions for its manufacture and for use, in receiving and measurment of intensity of signals.W To Yards Stations--Fwds report containing suggestions for ship or station constrn of long wave receiving apparatus. 2/15
	To Yards Stations--Fwds copy of report.2/16 To Fleets--Ditto.2/23 USS HUNTINGTON-returns circular letter misdirected. (Cross to 477-8) 3-27		
271533	12-19	Eurpoean Forces	Radio transmitting and receiving valve; fwds specifications.W To Wash--Directs fwd samples, etc of rec and transmitting sets.1/7 Wash - fwds copy of specifications 2/12 - W To S&A--Reqt shipt of vacuum tubes from Wash to European Force.2/18
	To Sims--Submits new data. Re type numbers, etc., 2/19		
	European distance	Forces-reqt infomon receiver fwds report.4/3	
271534	1/7	To E.J.Simon	Fwds quotation from letter re defects found in 1/2 KW panel radio transmitter, and photostat print of sketch. W E.J.Simon - 1/11 W
271741	1/7	To GE Co	Radio receiving device successful in eliminating atmospheric disturbances. Reqt information in connection with. W
272284	1/5	Marconi Co	5 kw quenched gap and condenser mountings. fwds prints.W

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
266985	12/14	To Atl Squadron	Standardization of Quenched Gap Holders.	Submits
	Atl Flt-fwds report.1/29		several features of, and reqts comments on. Gives	
	To Atl Flt--Comments on.3/8		points desire information on. W See Card 130	
	To Firms--Reqt design mechanism.		Atl Flt Comdr in Chief adheres to recommends.W 3-16	
	4/18 - Wireless Spe Co - Are developing switching mechanism. W 4-29 W S A Co-5/6			
	F. Lowenstein-Will submit design suggesting mechanism for quenched gap holders.4-23			
267159	12/14	To Firms	Limiting types of radio receivers for Navy to	
			3 classes, Short Wave receiver, Medium and long	
			wave receivers. Directs submit samples of short	
			wave receiver by Feb 1st for test at Wash.W	
			Sperry Co--T-reqt antenna capacity.12/17.W	
			Liberty Elec Corp request blueprints 12-18	
			To Sperry Co--12/21	
			To Liberty Elec Corp--12/29	
			To--1/16	
			Marconi Co 1-18	
			To Marconi Co--1/23	
267892	12-13	GE Co	G type pliotrons; reports shipment of 6	
		Personal	to Bureau.W	
	To Driver Harriss Co--1/24		Hoskins Mfg Co 1-23	
268050	12/17	DeForest Co,	Request that government purchase from	
	To Driver Harriss Co--1/8		Driver Harris Co nichrome wire for audion	
	To W.M.Sterns & Hoskins Mfg. Co--		control boxes.	
	Directs take steps to allow Driver		To Driver Harris Co--Reqt expedite.12/29	
	Harris Co ship De Forest Co necessary		To--12/29	
	wire for Govt work.1/17		Driver Harris Co--1/3 SEE CARD #135	
			Sterns 1-18	
268227	12/17	Marconi	Non synchronous rotary gaps for two 5 kw	
			transmitters-do not belelve practical to	
			operatefor any considerable period at	
			5 kw capacity.W	
			Fwd Phila --12/29 RB - 1-23	
267857	12/18	To Western Elec C o T	Audion bulbs on contr urgently needed at Wash	
			Yd. Directs expedite shipts. W	
			Co 12-18	
			Wrston Elec Co-States are tracing 20 sets.12/19.W	
268725	12/20	F.Lowenstein	1/kw spark gap-fwds Va ndykes showing	
			modifications.W	

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898: RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
268989	12/20	Transatlantic Comm Offcr	Magnetic receiver - reports on test of.W To Wash —Fwds report.12/28 Wash 2/14 - W
269481	12/24	E.J.Simons	Navy type J detector bulb-reqt sample be fwded to Moorhead laboratories.W To—12/31
269628	12/21	Washn Yd	Simultaneous receiver-fwds prints.W To—Assigns type numbers.1/2
269671 To GE Co—1/25 To—GE Co will supply with bulbs. 1/25	12/21	K&C Co	Pliotrons-desire to obtain from GE Co for use in laboratory. To GE Co—Directs sell material to K&C Co 1/5 GE Co have received no request from K&C;will comply when received 1-18
269030	12/22	To Y&D	Allott of $1600 for purchase of port houses for use of force at Azores. W
9 269834	12/24	Atl Subm Force	Reports receiving Sayville and an unknown Station on the same antenna through the use of two receiving sets both pairs of telephones in series on same receiver.W Fwd Belmar—1/5 RB 1-10 To Atl Sub—1/5 RB 1-29 Fwd—1/16 RB 1-29
269779 To NY—1/30 NY—2/18	12-24	NY	1/2 kw spark gap; fwds vandykes and prints·W To—Assigns type numbers.1/10 NY 1-23
269807	12-26	E. J. Simon	Baldwin mica diaphragm type telephone receivers; states has 17 sets on hand·W Fwd Wash—1/4 RB 1-10
270341	12/28	NY	1/2 kw gap holder-fwds Vandykes.W

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
266069	12/8	L.S.Brach Sup Co	Learners telegraph outfit-calls attention to thosemanufactured by them.W To—Specns being prepared.12/27 L. S. Brach Supply Co - 1/3 W
265376	12/5	F Lowenstein	Self cooled spark gaps - 1 & 2 kw fwds prints.W
266489	12-5 12-10	F. Lowenstein NY	Asks if necessary to attach name plates to quenched gap holders and condenser racks.W To—Reqt previous data.12/27
266993	12/12	F.Lowenstein	Blades for 1 and 2 kw spark gaps-fwds Vandykes recommending modification.W
267006	12/12	F.Lowenstein	States making delivery of 12 spark gaps Dec.13th. also 12 two kw spark gaps to Marconi.W
266856	12-10	Wireless Spec Co	Detector, type SE 1853A; fwds prints.W To—12/17
266872	11-25	Atl Flt personal	Relative to receivers, type B & C; recommends type C be sent to MINNESOTA for test.W 6

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Number.	Date.	From or To—	Subject.
266978	12-11	Dr Austin	Comparison of autodyne and hetrodyne methods of reception of continuous oscillations·W
267310	12/13	Wireless Spec Co	navy detector-fwds prints of stock list.W
267406	12/14	Western Elec Co	Reqt instrns rel to handling increase literature&prices on loud speaking horns or receivers from enlisted personnel. comes up on request of Gunner Crossley.W ~~To--Reqt fwd Gunner Crossley infor he wants.12/18~~
267556	12/15	F. Lowenstein	Brass washers for 1 kw spark gaps-fwds Vandyke showing modification.W
267381	12/13	GE Co	Receiving pliotrons-quotes prices for-states are not prepared to undertake development of ~~building~~ complete transmitting outfit for airplanes but will build such outfits on mfgr basis.(Cross to 918.) W ~~To--Detailed comments on.12/29~~
267709	12/10	USS N DAKOTA Radio	Double head set telephone submits report on apparent defect in designing.W ~~Fwd Wash--12/19~~ RB 12-27
266911	12/14	To NY	Design of Navy Standard self cooled quenched spark gaps· Comments on certain possibilities. W

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
263542	11/27	To Wash	$ pecns for receiving instruments. Reqt submit revision of present specns. W Wash 1-7	
264289	11-28	Wireless Spec Co	Short wave receiver; request overall length of Micarta cylinder.W Fwd Wash--12/4 Wash 12-7 To Wash--R eqt return of papers.12/14	RB 12-19
To--Fwds blueprints .12/24				
33294	11-28	E. J. Simon	Reports on comparison of new Navy flame proof key and his present design. W	629
264618	12-1	NY	Copper sparking surfaces, quenched spark gap, commercial type, furnished by the Marconi Co; recommends be directed to supply silver surfaces and fish paper gaskets.W To NY--Not advisable to change.12/4	
264659	12/1	F. Lowenstein	Self cooled spark gap-fwds Vandykes.W	
264824	12-3	F. Lowenstein	Bolts for 1 and 2 kw spark gaps; fwds print showing modification recommended.W	
264395	12/1	To L.F.Harris	Fwds drawings showing standard dimensions of form of vacuum bulb adapter for use where tubes with new form of base or socket are to be used with app which is equipped with old style candelabra case and connection wires. W	
263817	12/1	To Chasn	Use of Standard A and B battery for audions. Instrns in connection with. W	

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898--RECEIVING AND SENDING SETS.

~~265182~~ ~~11/16~~

Number.	Date.	From or To—	Subject.
265182	11/16	Nav consulting Bd	Fwds proposal of W McArdell rotary spark gap.W To--12/22 To Capt Smith--12/22
265186	12/1	Phila	Spark Gap synchronous rotary specifications for driving motor.W
265445	12-5	F. Lowenstein	Self-cooled spark gap units; fwds drawings.W
265539	12-3	Wash	Audion detector amplifier control boxes; fwds recommended specifications W Wash 12-5
265031	12/5	To Western Elec Co	Slow delivery of audion bulbs to Wash Yard. Reqt expedite delivery of. W Co 12-11
265141	12/6	To S&A	Reqt shipt of receiver from Sub Base to Wash.W
265834	12-6	John Firth	Writes relative to a wireless telephone invention of Prof Tokikata;also quotes prices on some galena crystals.W
265969	12-5	Wash	Recommends yard be authorized to manufacture 4 low power transmitters.W Fwd Wash--12/11

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[OVER.]

RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
262679	11/8	M Is Yd	Improvement in means of sending messages automatically be telegraph or wireless-fwds description and report on-invented by J.J.Sherry. To M.Is.--11/27
262677	11/14	M Is	Request Washn Yard be authorized to ship 24 post type terminals.W To S&A--Reqt s ipt of post terminals from Wash to M.Is. 11/24
262749	11/22	De Forest Co	4 regeneratibe receivers for use with ultra audion detectors; gives points of shipment of 4.W
262776	11/21 Fwd S&A--1/10	NY	Quenched spark gap, Navy blower type; reports on efforts to standardize.W To--Assigns type numbers to.11/30 NY-submits recommendations.12/14.W
263205	11/23	Dr.L.W.Austin	Fwds report on comparative test with crystal reception between navy type receiver and Cohen direct ~~xxxx~~coupled receiver. To Wash--Submits report.11/30 Wash fwds report on comparative test of Navy type and Natl Elec Sup Co's receivers 12-5
263333	11/16	USS WISCONSIN	Reports on excellent result obtained from the audion bulb.W
263011	11/14	Marconi Co	Fwds vandykes of quenched sprak gap plate.W
263249	11/23	NY	Relay key, type SE 137; submits report of test with photographs.W

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N.S.E. Form 134.

RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
263280	11/24	NY	Quenched spark gap holder for Simon type 1/2 kw gap units; fwds vandykes.W
246871	SEE CARD 93		To Manhattan E lec Sup Co--Submits test data on buzzer radio transmitter. 11/24 Manhatten Elec Sup Co 12-4 Chash--12/5 To Manhattan Elec Sup Co--12/22
262578	11/24	To Wash	Submits report from Phila relative to resistance varying in graphite potentiometer of CF 78 audions. for comment. W Wash 12-3
263548	11/27 Lowenstein 1-25	F. Lowenstein	Fwds list of drawings covering 1 kw spark gap unit and 2 kw spark gap unit.W Lowenstein 11-27 To--Returns blueprints with detailed comments.12/21
722	11/26	Fwd S&A	Rec of award for radio trans sets. WR
263758	11/27	Sperry Co	Portable receivers; fwds suggested changes in design; will effect reduction in price of about 30%.W To--Referred to Wash Yard for action.12/27 To Wash--12/27
263764	11/26	F. Lowenstein	Self cooled spark gap holders-fwds Vandykes.W
263153	11/27	To Marconi Co	Ask if have any audion detector bulbs in stock similar to those submitted to Wash for test some time ago.W Co 12-1

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[OVER.]

N.S.E. Form 134.

898-RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
262174	11/20	NY Quenched spark gaps-fwds drawing.W NY--Fwds prints.12/8.W To NY--Appvs.12/11	To--Appvs drawings with comments.11/24 To--11/30 NY--Fwds Vandykes.12/1.W
262053	11/19	Century Telephone Construction Co	Request blueprint covering detector stand for use in manufacturing.W To--Will not fwd.12/4
262204	11/15	Weston Elec Co	T Reports on shipment of tubes.W
261893	11/21	To Firms	Fwds errata sheets as listed. Directs embody modifications in sets under manuf, if can be done. W F. Lowenstein--11/26.W Kilbourne & Clark Co 12-3
259725	SEE CARD 102		To Wash--Quotes letter from Company. 11/22 Wash 2-1
261973	11/20	To Manhattan Elec Sup Co	Directs take up matter of payment with SO at yard at which deliveries were made. X Co 11/23
		To S&A--Reqt shipt of rec set from Wash to NO DAKOTA. 2/21 Received back 9:2	
262464	11/22	To Atl Squadron Fwd Wash 1/5 Atl Flt 1-8 Fwd Wash 1/24 USS N.DAKOTA 2/5.W To CO No.DAKOTA Asks if rad.app.rec'd. 2/21	Report on operation of naval design radio receiver. Reqt fwd to Bu. W Atl Battleship Force--no date--fwds report from Various Ships.W 31 Atl Flt submits reports on operation of 12-26 8/Wash 2/15 - W
262497	11/22	To Western Elec Co Western Elec Co 11-28 To--11/30	Audion control boxes will soon be needed. Reqt let De Forest Co have possession of present prelim sample for one day. Directs expedite drawings. W De Forest Co 11/24 Western Elec Co 11-24

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[OVER.]

RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
261973	11/16	Manhattan Elec Sup Co	Request payment of their bill of September.K Fwd S&A--12/1 ~~To--Reqt information re apparatus, reqn number etc.12/21~~
261892	11/20	To Monitor Controller Co	Fwds sheets of specns covering requirements for starting apparatus for use with 5 KW radio transmitters/ W
261966	11/20	To Bu Standards	Test of long wave receiver. Reception covering range from 2500 to 25,000 meters. Reqt comments on. W ~~To De Forest Co--~~ ~~De Forest Co-~~
261967	11/20	To Belmar	Test of magnetic and static coupling on Navy Receivers. Reqt report on relative advantages or disadvantages of. W Belmar 12-24
261968	11/20	To De Forest Co	Possibility of receiving on an audion receiver the signals from dirigible transmitter. Not satis due to constant change in pitch in receiver. ~~Ask add'l price for supplying a chopper for install in sets. W~~ Co 11-27
262193	11/19	DeForest Co	Reports shipment of 4 AGT receivers to USS FLORIDA WYOMING NEW YORK DELAWARE-request order to cover.W To W ash--Fwds above. Reqt full infor.12/1 RB 12-11 ~~To--Reqn number for apparatus is 346.12/1~~

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RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
260564	11/13	Marconi Co	2 and 5 kw sets; fwds vandykes·W
260410	11/13	To Nat'l Elec S ig Co	Directs proceed with manuf of 14 special radio receivers. On completion of, will make proprietory reqn for. W
~~260823 Sperry~~			
260823	11/14	Sperry Co	Reqt Weston Elec Co be permitted to furnish them with audion bulbs.W
261012	11/14	F. Lowenstein	Spark gap holder; fwds vandykes·W
223492	~~223492~~	SEE CARD 82	Pensacola--Being used in laboratory.11/8.W
261294	11/15	Phila	Fwds print showing changes and improvements made in rotary spark gaps·W To--Reqt further Vandykes.11/28 Phila 12-7
261512	11/13	Wash	Fwds report on test of an audion submitted by John J. Auringer.W To J.J. Aurynger--Comments on tests.11/21 Auringer request additional test 11/22 To J.J.Auringer--Comments re method of test.11/27 Auringer writes further 11-28 Aurynger 12-3

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898- RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
261340	none	none	Data on Wireless receiving valve.W	
260751	11/16	To B&A	Reqt shipt of receiving set from Wash to Nat'l Elec S ig Co. W	
260752	11/16	To S&A	Reqt shipt of receiving sets from Wash to Phila.W To Natl Elec Sup Co- reqst advise if finished with appr. 1/29	
		1920 Natl.Elec.Sup Co.-No record of receiving short wave radio recvr. 2/10		
722	11/14	To S&A	Trans sets. Re modifications of specns. WR	
260823	11/17	To Sperry Co	Will inform Western Elec Co have no objections to their furnishing audion bulbs to Sperry Co for testing receivers. W To Western Elec Co--11/17	
260753	11/17	To S&A	Reqt shipt of 23 audion boxes from Wash to Phila.W T o Phila--Gives action.11/17	
261447	11/17	To WYOMING DELA NEW YORK	Bizzer radio set and short wave receiver for. Directs communicate with NY in order to expedite delivery of apparatus. W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
257803	10/31	To Bu Standards	Report of audion bulbs used in British Service. Fwds for comment. W To Wash--Ditto.10/31 Bu Standards 11/23
258419	11/3	F Lowenstein	Self cooled spark gaps-fwds vandykes.W
258652	11/3	F. Lowenstein	Self cooled spark gaps; fwds vandykes.W
258864	11/2	F Lowenstein	Self cooled spark gaps-fwds plans.W
258702	11/6	To Firms To Marconi Co--Gives name plates.12/31	500 cycle panel sets. Will standardize this type of flame proof hand sending key. Fwds Vandyke of. W Marconi Co 12-18
31414	11-1 1	Wash	Copy of letter to Natl Elec Sup Co. waiving certain points on short wave receivers. W 629
259225	11/5	Atl Flt	Recommends a semi-annual allowance of audion bulbs, based on MICHIGAN's request.R&W To MICHIGAN via Force Comdr--Disappvs reqn.11/13
259686	11/9	To Western Elec Co	Radio telephone head set built into a sound proof helmet for use in airplanes. Reqt fwd unit to Wash for test. Co 11-27
259714	11/8	Boston To S&A--Reqt shipt of radio set from Bost to Wash for repairs.11/12	Reqt authority to ship receiving generator for repairs.W
259725	11/7	Washington To Western Elec Co--Assigns type number.11/12	Weston Elec Co telephone headbands-fwds prints-suggests modifications to.W Western ElecCo 11/16

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CARD 104

N.S.E. Form 134.

RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
259895	11/9	Communications	Relative to Dubilier valve detector submitted by R. G. Davies.W
	Wash 1-3		To Wash--Fwds detector with instrns re test.11/17
	To R.J.Davies--Submits report of test.1/11		
259468	11/7	Washington	Test of GE eliotrons-test delayed will complete about January 15th.
259716	11/9	Manhattan Elec Sup Co	Forwards plans.W
256101	11/7	Marconi Co	Description instructions for short wave receiver; fwds.W
260007	11/9	MISSOURI 6	States fibre spark gap gaskets furnished for unsatisfactory; fwds sample; recommends be made of mica or other suitable material.W
			To NY--Fwds copy of above letter for action.11/13
			NY 11/19
			To--Submits report from NY re cause of difficulties.11/24
260276	11/12	Communications	Audion detector mboxes; recommends future design be changed so that 2 bulbs will always be mounted on control box.W
			To--Disappvs unnecessary inc in stock.11/19
260287	11/12	F. Lowenstein	Hand key; fwds prints.W
			To NY--Assigns type number.11/16
			NY 12-1
			NY 12-8
			NY - 1-22 - W
260344	11/10	Elec Importing Co	Mineral outfit-designed for use radio apparatus-forwards sample.W
			To Wash--Fwds box of, for testing.11/14
			Wash 1-10
			To--Submits recommendation from Wash.1/17

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[OVER.]

RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
256755	10/23	F. Lowenstein	Self cooled spark gaps; fwds vandykes.W
256780	10/25	F. Lowenstein	Quenched spark gap and condenser rack; relative to distance of silver surface above seat of spark gap plates.W To—Directs take up with NY matter of tests.11/1 To NY—11/2 NY 11/12
255588	10/24	To K&C Co	Fwds Vandyke showing Flame proof key for submarines which will be specified for panel sets. W To Firms—Ditto. 10/25
256280	10/25	To Bost	Reqt six Vandykes of latest revision of drawing Flame proof hand key. W Bost fwds drawing 11/3
256665	10/25	To Capt Smith	Comments on detector system submitted by Dr. G. B. Corrie. W
256673	10/24	To Nav Intell	To S&A—Reqt shipt of transmitting keys from NY to Wash for Test Station.1/3 Reqt radio material be obtained from British Navy. Reqt one small and one large breaker key.W To Wash—12/29 To NY—Instrns re shipt of app.12/29 Nav Intell-reports shipment of radio material obtained from the British Navy to NY marked for S.E. Nav Intell-fwds sample.12/26
256883	10/24	Bost	Reqt authority to modify type SE 137 relay keys for use with 10 kw sets.W

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N.S.E. Form 134.

RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
256867	10/26	To Wash	Amateur receiver. Fwds sample from Adams-Morgan Co, and reqts comments re suitability for school and college work. W
To	Adams Morgan Co--Submits report		Washn--reports on inspection-recommends Adams-Morgan Co be invited to bid on apparatus.11/7.W
on	transformer.11/19		Adams-Morgan Co 11-30
257338	10/25	Wash	Fwds plans of low power undamped driver for receiver and wave meter calibration.W
257450	10/23	F. Lowenstein	Fwds vandykes of self-cooled spark gaps W
~~257010 see card 215~~			
257564	10/24	Lowenstein, F	Self-cooled spark gaps; fwds 48 prints W
257448	10/26	F. Lowenstein	Self-cooled spark gap; fwds vandyke .W
257454	10/26	F. Lowenstein	Ditto
256822	10/30	To S&A	Reqt shipt of receiver from Chasn to Wash for dispo. W
257726	10/30	F. Lowenstein	Condenser connector and rotary spark gap lower plug; fwds print and recommends Bureau adopt, in connection with 2 kw wave changer W
			To--11/22
256824	10/31	To S&A	Lowenstein 11-28
			Reqt shipt of receiver from Chasn to Wash. W

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RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
255449	10/17	Bost	Tikker detector; request authority to ship to Wash Yd.W
255705	10/18	F. Lowenstein	Fwds vandykes.W
255612	10/19	To General Radio C o To Conn T&T Co To Atl Flt--Directs have PENNA make thoro test of apparatus.11/17 To S&A--Reqt shipt of Gen Radio Co Aux radio set from Wash to PENNA.11/17	Reqt samples of radio receivers for seaplanes to be tested at Wash. W Conn T&T Co 10/22 General Radio Co fwds photographs and quotes price 10/22 To Conn T&T C o--Tue or Wed next week satis for test of apparatus.10/27
255962	10/20	F. Lowenstein	Self-cooled spark gap; fwds vandykes.W
256111	9/29 10/2 10/17	British War Mission Harvard Radio School Bost	Carborundum crystals; request information re.W To A.W.M anson--Comments on.10/25
256275	9/21	W N Dickerson	Reports on invention of amplifier in connection with I P receiver and method of obtaining oscillations on low wave lengths. To WARRINGTON--10/26

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
256439	10/23	Marconi Co	Request formal approval of relay and hand keys for 5 kw set, submitted at NY Yd for test.W To,NY—(T)Directs notify company acceptable.10/26
256440	10/23	Phila	Copy of letter toMarconi Co, suggesting reason for difficulty in manufacturing rotary spark gap rotor.W
256287	10/23	To Bost	1/2 KW 500 cycle flame proof keys. Reqt Vandykes of drawing. W Bost fwds print 10/26
256347	10/23	To N. Baldwin T Pensacola (T) have wired Baldwin authorizing representative of GE Co to purchase telephones 10/31	GE Co representative will visit company re purchase Baldwin phones. Bu has no objection to sealing. W To Pensa—(T)Directs notify no objection.10/30
256640	10/24	Boston	hand key for 1/2 and 1/4 sets reqt authority to mfg sample-no standard design for.10/24.W
256509	10/22	Bost	Auxiliary hand key for 10 kw sets; fwds prints.W To—Appvs.10/31
256507	10/24	F. Lowenstein	Reports forwarding drawing of inner copper flange for quenched spark and condenser rack.W

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[OVER.]

1917

RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
254410	10/13	To Marconi Co	Fwds Vandykes of drawings showing 10 KW rotary spark gap. W
254578	10/13	To Wash	Directs manuf 20 add'l long wave receivers similar to type SE-95. W
254857	10/15	F. Lowenstein	Fwds set of vandykes of instruction for 2 kw radio sets.W
254870	10/15 To--12/11	Manhattan Elec Sup Co	Buzzer instruction set; asks if additional quantity to be required, in order to keep Department making intact.W Atl Flt gives list of ships recommended 10/26 To NY--11/9 Co 12-4
254879	10/12	Wash	Sample short wave receiver submitted by the Sperry Co; reports on·W
254900	10/15	F. Lowenstein	Quenched spark gap and condenser frame; submits schedule of proposed deliveries on orders from other manufacturers·W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
254779	10/15	M Is T	YORKTOWN; request authority to install a Vernier rotary spark gap	492-6
199698	10/8	?	Progress report on spark gaps designed by Barstow -Pratt	876
254970	10/5	M Is M Is no record of Pearl Harbor requisition 109; no gap shipped 1-12	Lowenstein quenched spark gaps; reports on disposition of in connection with Bureau's letter 244905-508-6.W To--Reqt further information.10/29 M Is 11-20 To--12/6	
255047	10/5 10/16	Atl Flt, BS Force Navgn	Request be furnished with signalling instruction sets.W To--Gives action taken.10/19 To S&A--Reqt shipt of Buzzer Instrn sets from Wash to Battle Ship Force one.10/19 Atl Flt 11/12	
255048	10/13	F. Lowenstein	Self-cooled spark gap; fwds vandykes.W Lowenstein confirms schedule of deliveries 10/13 To--Ask when will make delivery of all of apparatus.11/24 F. Lowenstein--submits schedule of delivery.11/26.W	
255253	10/16	F. Lowenstein	Self-cooled quenched spark gaps; fwds prints.W	
To--12/1		Fwd S&A--12/3	Fwd S&A--12/1	
255378	10/16	Frank B. Perry & Sons	New type radio blinker signalsets; fwds sample.W F.B.Perry & Sons 10/23 To--10/30 Co 11/12 Co 11/14	
To Grt Lakes--11/17 To Signal Corps--Fwds letter from company for reply.11/19 Co (2 letters) 11/24				
255395	10/17	F. Lowenstein	Self-cooled spark gap; fwds vandykes.W	

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[OVER.]

RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
253278	10/8	To Phila	Reqt Vandykes of revision of "Rotary Spark Gap" be fwded to Bu. W Phila fwds prints 10/16
253280	10/8	To Bost	Relay key for use with 1/2 and 1 KW transmitters. Directs develop. W Bost-Flameproof relay key - fwds print.W To Bost--Appvs action taken.3/6
253893	10/8	De Forest Co	Sockets and audion plugs; fwds samples different from those which they have been supplying; request definite information as to which arrangement to be followed .W
253948	10/8	Submarine Base (Personal)	Recommends experiments of high speed reception of signals be taken up at once.W
253965	10/8	F. Lowenstein	Self-cooled spark gaps; fwds prints.W To--Reqt Vandykes of corrected drawing.10/13
254163	10/8	Wash	Fwds prints of relay ke y.W

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N.S.E. Form 134.

RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
254240	10/9	Radio Test Shop	Contract 851 for crystal detectors, placed with Wireless Spec Co; recommends be amended to call for 2500 detectors, in lieu of 500.W To S&A--Reqt contr be amended to call for 2500 detectors instead of 500.10/13
254238	10/10	Wash	Method of making connections with primary to tickler coupling coil on short wave receiver; fwds prints.W
254408	10/12	F. Lowenstein	Spark condenser gap and condenser frame to go on wave changers of their manufacture; request authority to mark, also request type number for 1 kw quenched gap.W To--Assigns type numbers to quenched gap.10/17
254459	10/12	F. Lowenstein	Self-cooled spark gaps; fwds vandykes.W
254441	10/9	F. Lowenstein	Spark gap and condenser mounting; fwds prints.W
254287	10/12	To Wash	Design of new receiver transfer panel for TBDS. Lists requirements to be considered in designing switch panel. W
254400	10/12	To Western Elec Co	Reqn for 10 audion frequency amplifiers. Lists specifications for. W

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RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.	
252121	9/29	E. J. Simon	1 kw self-cooled quenched spark gaps; request be furnished with brown negatives.W	
252147	9/24	Radio Test Shop	E.J.Simon 1 kw panel radio transmitter; submits report of test.W ~~To Wash—Reqt four add'l copies of report.10/4~~ Wash fwds blueprint copies of test, Simon 1 kw set 10/10	
252266	9/27	F. Lowenstein	2 kw quenched spark gaps; fwds vandykes.W ~~To—Apprvs drawing. 10/9~~	
252505	10/2	S&A	Correspondence re shipment of radio receivers from Wash to NY.W Fwd S&A—10/5	
252698	10/2	F. Lowenstein	Self-cooled spark gaps; fwds vandykes.W	
252766	10/4	De Forest Co Complaint	Sockets and audion bases for audion patrol boxes; fwds print; fwds type of moulded socket and protests against being held responsible on account of Western Elec Co's plug not fitting their sockets.W	
252541	10/3	To NY	Design of new 1 KW quenched gap. Reqt Vandykes. W NY fwds vandykes 10/16	

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
252790	10/4	To S&A	Reqt shipt of Buzzer blinker radio sets from Wash ~~To Marine Barracks, Phila.~~ W
252834	10/4	To Fed Co	Fwds copy of radio specns, covering requirements for receiving apparatus. W
253202	10/3	NY	Recommends that on future purchases of ~~radiators~~ radio sets similar to 2 kw Marconi commercial type that silver spark surface quenched gap unit be specified.W
253347	10/6	E. J. Simon	Reports on impracticability of using Navy type 1 kw quenched gap with his 1 kw panel radio transmitters andrequest authority to use one of his design.W To—Submits order of standardization of.11/12
253214	10/6	To S&A	Reqt shipt of receivers from Wash to Phila. W
253667	10/5	F Lowenstein	Selt cooled spark gaps - fwds plans W

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1914

RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
250804	9/13	M Is	States De Forest 5,000 hour audion bulbs supplied west coast unsatisfactory.W Fwd Wash—9/26 Wash states the 5,000 hour De Forest bulbs unsatis; are of the old type 10/13	36 mag mag.
251061	8/8	Manhattan Elec Supply Co	Coles transmitter; states have taken over rights of.W	
251052	9/25	To S&A	Reqt shipt of trans set from NY to Norf. W	
251384	9/25	Wash	Buzzer instruction set; fwds·W To—Comments on.10/16 To Manhattan Elec Sup Co—Assigns type numbers.10/18	
251394	9/22	Bost	Standard upper and lower contacts; fwds vandykes·W	
28736	9/24	Wash	Submits report on poor workmanship on Marconi radio receivers being furnished under this contract. W&S	629
251002	9/26	To Wash	Reqt Vandykes of latest revision of short wave receiver. W Wash fwds prints 10/10	

N.S.E. Form 134.

RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
229336	SEE CARD 85		To Electro Importing Co—Submits report of test of apparatus.9/27
251304	9/27	To M.Is.	Reqt information of disposition of Lowenstein quenched spark gap formerly assigned for SARATOGA.W M Is 10/20
251623	9/26	Phila	Rotary spark gap mfgd by the Marconi Wireless Telegraph Co.fwds comments on inspection and test of.W To 10/11 Phila fwds drawings 10/24
251698	9/26	NY	Rec that on all future orders for spark gaps equipped with special insulating bushings that certain spares be called for.W To—Appvs rec.10/17
251716	9/25	Key West	2 K W transmitting sets to be shipped to NY-gives list of spares - W To NY—Directs repair apparatus and turn into store.9/29
251728	9/26	Dr L. W. Austin	General Electric Co's photographic recorder of radio signals - fwds report on W To GE Co—Fwds copy of above report.10/2 GE Co copy of Austin's report not attached 10/6 To GE Co—Fwds copy of report.
252323	10/2	To Wash	Reqt Vandykes of latest revision of Buzzer instruction sets be fwded. W Wash fwds blueprint of buzzer instruction set 10/10

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
249103	9/12	Marconi Co	Short wave receiver - fwds photo and prints.W
249209	9/12 9/14	De Forest Co Communications	Oscillion radio telegraph transmitter, specially designed for shipboard use; request cooperation in making test.W Fwd Nav Com--9/17
249149	9/15 To Bost--11/12 Bost 11-29 To Phila--12/6 Phila 12-7	To Bost NY Phila	Test of standard 2 and 5 K.W. auxiliary hand key. Instrns re tests of. W Phila reports key not received 9/30 NY 10/10 To--Ask when delivery may be expeted.10/11 Bost 10/25 Phila 10/30
249888	9/18	Bost	Radio apparatus developed by Cutting & Washington Co; fwds prints and description of a 2 kw impact type radio transmitter.W
250448	9/19	Great Lakes	Reports on inspection of detecting device developed by Dr. E. M. Terry, of University of Wistonsin.W To via Comdt--Directs co-operate with Dr. Terry. 9/29

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RECEIVING AND SENDING SETS: RADIO. 898

Number.	Date.	From or To—	Subject.
250467	9/20	Wireless Spec Co	Special long wave receiver; reports development work nearly completed.W To—9/26
250481	9/21	F. Lowenstein	Fwds partial stock list of tracings issued of the holder only, not including spark gap units proper.W
250545	9/21	De Forest Co	Long wave receivers; request be furnished contract.W To S&A—9/25
250659	9/21	To M.Is.	Reqt information re disposition of 2 K.W. 500 cycle Telefunken radio set, ex SARATOGA. W M Is reports on disposition 9/29
250727	9/22	F. Lowenstein	Fwds tracingsof outer copper flange, for correction.D To—Fwds altered tracings.9/28
250618	9/22	To F. Lowenstein	Fwds Vandukes of 10 K.W. 500 cycle, rotary spark gap. W
640	9/22	Fwd S&A	Recommenation of award for wave meters. WR
250800	9/24	To S&A	Reqt shipt of audion box from Norf to Wahs. W

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
247772	9/7	To S&A	R eqt shipt of receivers from Wash to NY. W
248 021	9/5	Marconi Co	Taper gauges for spark gap motor shafts; states those called for in Bureau's drawings over size.W
	Phila-Fwds prints.9/26.W		To Phila--Reqt fwd drawings to Bu. 9/12
			To--9/12
			Co 9/15
			To--9/17
247988	9/8	To F. Lowenstein	Fwds blueprints with notes added by Bu to make same clear. Reqt add same to original tracings.W
246156	9/6	F. Lowenstein	Fwds miscellaneous drawings W
			To--Reqt add'l copies.9/11
			To--Fwds drawing to be used in correction of prints. 9/14
			Co fwds vandykes 9/20
248564	9/10	Marconi Co	5 kw quenched gap mounting; fwds prints; request approval.W
			To--R eqt plans showing general assembly of wave changer.9/25
248553	9/6	Bost	Recommends Clapp Eastman Co's improved buzzer be included in list of radio apparatus; fwds catalogue.W
			To--Reqt fwd sample to W ash Yard for further test.9/21
			Bost 9/28

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
248857	9/11	Phila	10 kw, 500 cycle, rotary spark gap; fwds prints.W
249006	9/11	Radio Test Shop	GE Co type G Pliotion - submits report on test of.W To GE Co—Fwds copy of report of test.9/15
249007	9/11	Radio Test Shop	NES Co long wave receivers furnished under contract 28735. Reports on test of and recommends changes.W To S&A—Submits report and rec contr be amended to call for delivery 30 days later.9/29
249067	9-13	Auringer, JJ	Further data on his audions.W. To Wash—Fwds copy of above letter.9/21 RB-11/24
249058	9-13	Manhattan Supply Co	Radio buzzers; contractors for wavemeters ask that their instruments be accepted. W To—Gives action on.9/21
249009	9/11	Washn Yard	Short wave receivers - fwds prints.W Speryy Co 12-10 To Sperry Co—Fwds Vandykes with comment.12/8
249090	9/8 9/13	W.V.Kenndy Navigation	Offers receiving set for sale.W To—Reqt make type, etc.9/17

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RECEIVING AND SENDING SETS.

Number	Date	From or To	Subject
			To NY--Reqt report on key.11/17 M-Is- Bost fwds print 11-29 To Bost--Re modifications to drawing.10/19 To S&A--Reqts shipt of relay key from Bost to NY. 10/19 Bost fwds prints 10/7
246508	8/29	F. Lowenstein	Auxiliary hand key for radio sets; request authority to use A.S.M.E. machine screws.W To Bost--Instrns re revising drawings.9/5 To--Gives action.9/5 F. Lowenstein request new type number for contracts 9/7 Bost fwds prints 9/18 Bost 11/12 To--9/21 To Bost--All screws should be specified as A.S.M.E. STANDARD with few exceptions. 10/4 Bost fwds prints 10/12 To NY--Gives action taken.10/19
246156	8/29	To S&A	Reqt shipt of receiver from Wash to NY. W
246433	8/29	To M.Is. (Cross)	Job order on BRUTUS AND NERO. Disappvs install of charging panel for audion E batteries. W RB 9/15 To M.Is.--9/18
246746	?	F. Lowenstien	Fwds raw material list for Lowenstien self-cooled gap.W
246764	8-30	Manhattan Elec Supply Co	5 kw hand radio keys submitted for test in NY; reqt appvl.W Co request approval of their 5 kw hand radio key 10/11 To-- NY will inform of changes.11/2
246871	8/31	To Manhattan Elec Sup Co	Auth submission of transmitter to Wash for test. W Manhattan Sup Co 9-12 Co 9/18 To W ash--9/21 To--9/28 Co 11/23 CARD 105 Co fwds specns covering Premier radio transmitter 10/26 Fwd Wash--10/31 Washn Yd-fwds report of test on Cole buzzer radio transmitter submitted by the Manhattan Elec Sup Co.
247066	9/1	To Wm. Russell	Reqt submit sample detector to Wash Yard for test. W

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Number.	Date.	From or To—	Subject.
2471 05	8/31	F. Lowenstein	Lowenstein cooled gap; fwds drawings.W
247198 M Is 11-22	8/27	M Is	Submits estimate for remodeling audiphone amplifiers into ultra audions.W To—Appvs ests.9/5 To M.Is.—Reqt further information re amplifier ex-HUNTINGTON. 9/21
247327	8/31	Radio Test Shop	New model silicon antimony detector stand; reports on test of.W To Wireless Improve Co—Fwds copy of report of test.9/5 Wireless Improvement Co request detector stand be returned 9/12 To Wash—9/15 Wash-staves detector turned over to Jno Firth 9/27 9/14
247318	9/4	Wireless Spec Co T	Asks if original drawing A1150 and 1179, 2 kw spark gaps, are correct.W To—(T) Revised drawings being fwded.9/6
247730	9/6	Copely Mfg Co	Portable microphone detector and microphone detector; request report on trial of.W Co 12-7 To—Will prepare reqn for purchase of instrument.12/6
247790	9/6	S&A	Copy of letter toWash Yd, requesting report as to status of shipments ~~to~~ of radio receivers to NY Yd.W
247793	9/6	G E Co	Request comment and criticisms covering static coupled receiver sent to Wash Yd for test.W GE Co comments on report 10/5 To—10/8

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
239149	SEE CARD 89		To Conn Tel & Elec Co—Same as circular letter.8/16 Sperry Co 8/16 De Forest Co 8/20 Connecticut T&E Co 8/21 To S perry Co—8/21 Western Elec Co 8/21 Sperry Co 8/23
244311	8/16	NY	1 kw radio transmitter, Navy type; fwds corrected prints.W
244438	8/17	F. Lowenstein	Spark gaps; fwds prints W To—Reqt fwd Vandykes as listed.9/6 Co fwds prints 9/8
244486	8/17	NY	Fwds copy of letter from W. G. Morgan; relative to design of small type receiver.W To W.G.Morgan—Comments on.8/25 Morgan 9/5 To W.V/Morgan—9/20
244553	8/17	De Forest Co	Special 6" bulb furnsihed Dr. Austin; request formal contract for,covering work.W To—Comments on bulb.8/25
244607	8/18	NY	Fwds test of a Northrup-Ajax discharge gap submitted by the Pyroelectric Instrument Co.W Pens— Sub recommendations W 9;20
244810	8/18	F Lowenstein	Spark gaps - fwds prints W To—Fwds Vandykes of drawings listed.8/27 F. Lowenstein 8/29 To—Comments on.8/31 To—9/13 To—Fwds blueprints as listed.9/15

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
244625	8/20	To S&A 3	Reqt shipt of trans sets from NY to Yards for chasers and Merchant vessels. W
		radio trans sets.12/29	~~To Yards--Gives action taken, and assigns~~
		Wireless Improvement Co 1-9	apparatus. 8/20
		To Wireless Improve Co--Directs furnish only necessary drawings for install.1/21	~~To Yards--8/22~~
		Wireless Imp Co-Fwds instrn books. W 3-11	~~Phila request prints 8/31~~
			To Wireless Improve Co--Reqt Vandykes of
244942	8-20	Sperry Co	Fwds section of 200 watt auxilary transmitter.W
			To Wash--Ask if drawing is satis.8/31
			~~Radio Test Shop 9/7~~
			~~To--Submits report.9/26~~
245318	8/11	De Forest Co	Fwds memorandum bill covering special key submitted as model, long wave receivers, requisition 75.W
245610	8/25	To S&A	Reqt shipt of wave receivers from Wash to Bost for stock. W
245935	none	F. Lowenstein	Fwds backed-up copy and vandykes,details of material and manufacture of Lowenstein self-cooled, air gaps, 1 and 2 kw types.W
			Lowenstein fwds corrections 8/24
246081	8/27	NY	Transmitting key submitted by the Manhattan Elec Sup Co; reports on test of; fwds photos.W
			~~To--Lists changes considered necessary.11/2~~
246265	8/28	F. Lowenstein	Non-synchronous spark gaps, 10 kw; request copy of drawing.W

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RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
242614	8/7	Sperry Co	Layout of auxiliary radio transmitters; fwds sketch.W To--Comments on sketch.8/11
242715	8-4	N.Baldwin	small sized radio receiver; reqt report on test.W To--Gives report of test.8/14 N Baldwin not yet received 9/14
242956	8/8	Bost CANCELLED	Tickler coils for IP 76 receiver; fwds plan.W
243249	8/10	F. Lowenstein	2 kw and 1 kw spark gaps; fwds prints.W
243302	8/9	Western Elec Co	Audion frequency amplifier for use in radio compass, to be developed by them, proposed by Gunner W. A. Eaton.W Fwd Wash--8/25 RB 9/11 To--9/26
243440	8/11	De Forest Co	Copy of letter to Wash Yd fwding sample key in connection with requisition 75.W
243312	8/11	To Wash	Fwds radiocite detector manufd by Electro Importing Co, for test. W

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Number.	Date.	From or To—	Subject.
243668	8/13	NY	Request yard be authorized to develop 2 kw self-cooled quenched gap.W To—8/22
242380	8/13	To S&A 3	Reqt shipt of receivers from Wash to M.Is. W Pug Sd. W To Pug Sd—8/13 To M.Is.—8/13 To S&A —(2) Amendment of shipt reqt. 8/20 To S&A—Reqt cancel shipt reqtes of 8/20. 1/18
243160	8/14	To S&A	Reqt shipt of long wave receiver from Wash to MAUMEE. W T o S&A—Reqt shipt of receiver and detector from Wash to KANAWHA. 8/14
243698	8/14	To Manhattan Elec S up Co	Combination relay and hand key of F. Lowenstein appvd by Bu as a relay key. Comments on. W
244010	8/15	Natl Elec Signalling Co	Asks if head telephones submitted by John Firth acceptable with half kw motor boat sets.W To—Gives infor reqted.8/21
244207	8/16	F. Lowenstein	Quenched spark gaps, drawing F1205;states length of dilecto side pieces will have to be changed.W

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RECEIVING AND SENDING SETS.

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Number.	Date.	From or To—	Subject.
239857	7/21	Sperry Co	Short range receiving request complete set of drawings.W To—Fwds Vandykes.7/25
240076	7/20	Bost	Navy long wave receiver, type SE 95 A; fwds prints.W
240160	7/23	NY 905-909	Reports on study of radiation and oscillating receivers and recommends further experiments, in connection with using for detecting receiving stations and locating by direction finder.W
240724	7/25	Manhattan Elec Sup Co	Fwds sample of #80 hand keys.W To—Returns key appvd.7/31 Co 8/3 Co 8/17
241161	7/28	F. Lowenstein	Request authority to change the number of units in assembled quenched spark gap from 16 to 15 on certain contracts.W To—Gives action.8/1
241556	7/24 7/31	Bost NY	Relative to manufacture of spare parts for hand keys.W Fwd B ost—8/3 RB 9/8 To Bost—Appvs est.9/18
241303	7/31	To S&A	Reqt shipt of detector from ROE to Wash for dispo. W 6

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Number.	Date.	From or To—	Subject.
242064	8/3	National Elec Signalling Co	Reports difficulty in securing delivery of Brownlie telephones for radio sets and request be advised other types that have been approved.W
242010	8/3	To Wash	Fwds drawing, Resistance in audion control box, for comment. W
242117	7/6	Everyday Engineering Co	Fwds article on the design of radio receivers, for correction, and request authority to publish.W
242117	8/4	To Nav Com	Comments on Article entitled "The Design of Radio Receivers. "W
242471	8/1	Case Research Laboratory	Acknowledges receipt of bulbs for use in conjunction with Sperry Co.W Co states is returning bulb 8/18

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Number.	Date.	From or To—	Subject.	
237982	7/11	NY Elec Soc	T.W.Case in need of audion bulbs; request De Forest Co be authorized to deliver.W To—Wash instructed to furnish.7/17 To Wash—Instrns.7/17 NY 7/18	
234378	7/10	To Wash	Fwds specns for use in connection with preparing reqn for iron masts for Coast Guard Patrol antenna. W To Nat'l Elec Supply Co—Ditto. 7/10	
238093	7/12	To John Hays Hammond,	Jr. Fwds specns covering radio receivers.	W
238388	7/13	M Is R	Request authority to assign ultra audion, submarine type, to VULCAN and PETREL.W To—(T) Disappvs.7/16	
238446	6/18	Phila	Confirms telephone conversation.W	
238683	7/13 7/14	W. A. Hyde Communication Supt	Writes relative to device to substitute for a single head receiver invented by J. A. Denis.W To Naval Laboratory—7/21 RB 7/24 To—7/25	
238480	7/13	DeForest Co	Circuit breaker for audion control boxes—Fwds samples of modified parts W To—Appvs ssmples.7/21	

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Number.	Date.	From or To—	Subject.
239009	7/16	Wash	Western Elec Co's drawing of audion bulbs has been checked for dimensions and recommends be approved.Y To Western Elec Co—Returns tracing of vacuum tube appvd. 7/31
238729	7/17	To S&A	Reqt shipt of receivers from Wash to Phila. W
239258	7/17	Great Lakes Supt	Reports that design of audion bulbs furnished could be improved by having top of filament secured to an additional filament support.W Fwd Wash—7/20 RB7-24
239296	7/17	Phila	Gauges for use in manufacturing spare gap motor shaft; states master gauges now in possession of Robins & Meyers, will be available July 23rd.W To—Directs expedite delivery of.7/24
239149	7/18	To Conn Tel & Elec Co—Test of radio trans appvd.8/15 To Pensa—Auth test.8/15 To Firms To Crocker Wheeler Co—8/4 To Firms—Reqt reply to circular letter. 8/4 Marconi Co 8/7 E.J.Simon 8/6 To Western Elec Co—8/9	Reqt appvl in advance of a plan to permit such firms as Bu may decide upon to manuf trans sets regardless of which type is decided upon. W E.J.Simon relative to royalty for aeroplane radio sets 7/25 To E.J.Simon—8/2 CARD 9
239755	7/19	War Dept	Fwds copy of report made on the Tyree detector and amplifier.W

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
236090	6/29	To Phila	Record of rotary spare gaps manufd at Phila. Reqt number of. W Phila submits number of rotary spark gaps manufactured by Machinery Division during the past two years 7/24
236091	6/29	To GE Co	Directs supply Wash Yard with bulbs for test in connection with vacuum type power tubes. W GE Co will ship 2 plitrons to Wash Yd for test 7/3 GE Co states are forwarding pliotrons for test to radio test station 7/28
236092	6/29	To De Forest Co	Ditto. W Co states bulbs were delivered personally to the Radio Test Shop 7/18
236098	6/29	To Wash	Comparative test of transmitter vacuum types. Have reqted shipt of bulbes from several companies, and directs conduct tests of. W
236375	6/25	Pug Sd	Reports trouble with Potentiometer material; recommends mounting be changed. W Fwd Wash—7/27 Wash 7/30 To De Forest Co—Directs follow latest design in all future sets. 8/14 To—De Forest Co—Submits report as above, and reqts take action to remedy. 7/10 De Forest Co 7/12
236864	7-2	JOUETT	Reqt auth to retain Brande's head telephone W Fwd Wash—7/7 RB 9/19 Fwd Wash—9/20
236954	7/3	Wash	Short wave radio receivers; fwds prints. W To—7/27

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Number.	Date.	From or To—	Subject.	
237021	7/5	NY	Reports re-assignment of receivers to Submarine Chasers and Scout Patrols W	
234752	SEE CARD 87 Marconi Co 7/30		To H.V. Roome To E.J.Simon--Submits report of test of various audion bulbs. 7/6 **To Marconi Co--7/18** **E. J.Simon fwds copy of Mr. Moorhead's comment 7/21**	
237404	6-29	Wash.	Simultaneous sending and receiving system. Dr. Alexanderson's type. Reports on conclusions reached and fwds copies of report, showing detailed of test.	875
237471	7-9	To Atl Fleet	Directs every facility be afforde Expert Radio Aid Israel, in connection with simultaneous sending and receiving.	875
237690	7/9 **To--Tests almost completed.8/21** **Radio Test Shop submits report and recommendation 9/7** **To--Submits detailed report.9/26**	G E Co	**Reports have developed a receivingset will meet Bureau's specifications, as regards performance and same is ready for test.W** **ToWash--Directs arrange for test.7/19** **To--Directs fwd to Wash for test.7/19** **GE Co request that test and return of set be expedited 7/31** **GE Co request action 8/16**	
237650	7/10	To Chief Signal Officer of Army	Reqt carry on tests of "Tyee" detector and amplifier at Naval Radio Laboratory. W	
237839	7-10	Norf	Two kw self-cooled quenched spark gap; fwds prints.W	
237850	7-7	Dist Com Supt	Reports on regarding the Hall Sound Relay and application to radio telegraphy and to control of torpedoes; invented by Dr. Ray Hall.	791

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RECEIVING & SENDING SETS.

Number.	Date.	From or To	Subject.
		To Wireless Spec App Co--10/6 To Firms--10/6 To--Calls attention to error made in dimensions of gauges.10/6	
233493	6/14	T o Marconi Co--Fwds Vandyke shunt motor for rotary spark gaps. 10/6 To K&C Co--10/6 To Yards Marconi Co states Diehl Co unable to proceed until gauges are received 7/11 Phila asks to whom material should be invoiced when shipped 7/13 Fwd S&A--7/26 Phila Robins & Meyers request another set of gauges 8/2 To S&A--Reqt shipt of guages for spark gaps from Phila to Robbins & Meyers Elec Co. 8/11 To Phila--Ask dates gauges were shipt to companies.8/13 Phila 8/20	Manuf and inspection of 2 and 5 K.W. rotary spark gaps. Are requesting gauges be shipted to yards for use in inspecting taper of shafts of all motors for rotary spark gaps. W To Firms--Will fwds two sets of guages when completed. Ask if any difficulty in carrying out standarization. 6/14 To S&A--Shipt reqt of guages from Phila to Yards. 6/14 To S&A--Shipt requests for guages.6/15 F. Lowenstein request gauge 6/15 Marconi Co request gauges 6/19 Marconi Co fwds copy of letter from Diehl requesting gauge 6/21 See Card-131 To Marconi Co--6/25 Kilbourne & Clark Co 6/29
234229	6/18	To Phila To Phila--Manuf of gaps and sets apvd.7/3	K&C Co fwds copy of their reply of June 29 7/6 Manuf of radio rotary spark gaps. Reqt estimates covering manuf of 50. W Phila gives procedure in order to produce good tones of low frequency 6/26 Phila submits estimates 6/28
234384	6-16	Atl Flt	Fwds report number 2 on radio arcdrills and rec that all battleships be supplied with ultra audion boxes and bulbs.and arc receivers.W
234484	6/20	To S&A	Reqt shipt of one ti ker detector from Norf to Wash for disposition. W
234752	6-2	Dr. L. W. Austin To De Forest Co--Submits report of test.6/30	Fwds report of test on various audion bulbs.W To Wireless Spec App Co--Submits reports on tests of bulbs. 8/30 SEE CARD 88
234889	6/20	NY Fwd S&A--10/13	Quenched spark gaps; reports difficulty in obtaining blower motors for; recommends contrs be advised to allow Elec Inductries Co difference in price on blowers.W To--Fwds copy of Bu 1st endorsement. 6/23 Fwd S&A--6/23 Fwd S&A--9/10 S&A 9/24

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Number.	Date.	From or To—	Subject.	
234867	6-21	To G. E. Co.	Sample transmitter arrived Wash Yard. Can test Monday or other day next week.	903
235157	6/22	G E Co	Visual receiving device; states have constructed several models and gives advantages of.W To—Will test at Wash.7/18 GE Co states instrument will be ready for test sometime first of Aug 7/24 To—7/30	
235240	6-23	Gen Vehicle Co. VOID	States complete set of station tools for Gnome engines made up; quotes price; states in lots of 10 price will be considerably reduced	736
235391	none	Bost.	Re design antenna switch " send and receive ". fwds prints showing one developed.	900
235468	6-23	GE Co	Low power pilotron oscillator transmitting set completed; will be shipped to Wash for test.W GE Co request report 10/9 To Wash—Fwds above letter.10/12	
235913	6/27	Wash	Fwds prints of short wave radio receivers.W	
235983	6/26 6/27	De Forest Co S&A	Request address of the Central Manufacturing Co, in connection with obtaining head phones equal to the Baldwin type .W Fwd S&A—7/10	
236109	6/29	Western Elec Co	Fwds tracings of vacuum tube.W To Wash—Fwds drawing and directs check.	7/9
236089	6/29	To Western Elec Co	Directs supply Wash Yard certain Vacuum type power tubes for test. W	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
231217	5-29	Sperry Co	Wave receiver; reports on progress and rec for motor generator.W To—Delivery instrns.5/31	
231371	5-29	Y&D	Quotes on test of Cutting & Washington impack transmitters.W	
231726	6-1	Bost	Fwds print of auxilary hand key for 2 and 5 kw Sets.W	
231793	6/3	Richard Pfund	Quotes endorsement on proposals on reqn 1795, relative to type of apparatus would bid on.W	
231723	6-1	Bost	Fwds print of flame proof hand key for submarine radio transmitter developed at Bost Yd. for 1-2-5 kw set	907
231724	6-1	Bost	ditto for 5 kw sets	907
231903	6/4	Wash	Fwds ~~copies~~ reqt from Bost Yd for ultra audion bulbs.W Fwd Bost—6/8 RB 6/18 Fwd S&A—6/20	
231976	6/4	E. J. Simon	Request report on detector set submitted by Moorhead Laboratories be forwarded to him, as he is a government representative.W	

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Number.	Date.	From or To—	Subject.
232071	6/4	Wash	Fwds print for increasing range of Wireless Specialty and Marconi receivers; fwds print of primary and secondary loading coils, etc.W To—Auth manuf of apparatus.8/4
232113	6/5	J. H. Bunnell & Co	States manufacture wireless keys and have order from Cutting & Washington; request drawings covering.W To—Fwds prints with comment.6/13
232041	6/5	To Firms	Reqn shortly to be issued for 800 receivers. Fwds Vandyke covering, also copy of reqn. W Wireless Development Co T states vandykes not received.6/7 To Marconi Co—Same as letter 6/5. 6/8 Foote Pierson & Co reqt blank proposals 6/14 Fwd S&A—6/19
232043	6/5	To De Forest Co to ship this week 7/18	Reqt quotation on manufr of two audion bulbs for special experimental work. W To—Reqt reply.7/16 Co are manfging additional bulbs; expect
232330	6/1	NY	Reports cancellation of shipment order from Norf Yd for quenched spark gaps.W Fwd S&A—6/13
232378	6-5	Nat'l Elec Supply Co	Copy of letter to radio laboratory fwding two modified samples of head bands in connection with test of Century Double head radio receiver.W To NY—Submits report of test.10/8
233548	6/8	Berel's School of Telegraphy	Detector; asks if Mr. Berel could be present during test.W Fwd Wash—6/15 Wash fwds report on test of Berel fixed detector 8/6
233695	6/13	Western Elec Co	Fwds 6 small vacuum tubes for test.W To—Will be tested at Wash.6/21

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RECEIVING AND SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
229131	5/18	NY	Fwds list of assignments of quenched gaps.W
		Radio Test Shop submits report 9/7	To--No advantages in stand.9/20
	To--7/10	To--Submits report of test of radiocite.7/18	
	To Wash--Instrns.6/13	Co request report of test 7/6	Co submits quotation 8/3
229336	5-19	Electro Importing Co	Fwds samples of their Crystal radiocite.W
	To--Will hold test of.5/28		To--Will test at Wash.5/24
	To Wash--Instrns.5/28		To Wash--Fwds for test.5/24
	NY reports on test of crystal radiocite 6/5		Co quotes price for their newbuzzer 5/25
			Electro Importing Co 6/22
229456	5/17	Bost	Fwds drawings of radio relay key.W
229542	5-19	Phila	Rotary spark gap for 10 kw sets; states prints cannot be started before June 15.W
229555	5/19	Wash	Fwds drawings of audion bulbs receptacles detector bulb adapted, etc.W
229654	5/22	To Wash	Fwds booklet of calibration curve sheets for De Forest Long wave receivers. W
229686	5/22	To Foote, Pierson & Co	Acknowledges quotations for radio receiving sets, Navy type. Will advise later number will require. W
229766	5/22	Commander Cleland Davis, Retd	Request authority for himself and Mr E H Lyon to test a detector at radio station, NY.W
	NY reports on test of apparatus presented by Commander C. Davis and E.H.Lyon 6/8		To NY--Gives action.5/24
			To--5/24

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RECEIVING AND SENDING SETS. 898

~~229815----5/22----NY~~

Number.	Date.	From or To—	Subject.
229815	5/22	NY	Reports on test of hardened copper spark gap plates for quenched spark gaps; reports on test.W
229795	5/22	Nav Consulting Bd	Calls attention to rotary spark gap developed by Dr E. R. Northrup.W To Dr. Northrup--Reqt NY Yard be allowed to hold test. 5/29
30 229055	5/23	NY	Relative to test and data on ~~co n~~ detector invented by Milton Brehl and Louis Funke.W To--Comments on.5/28 NY states inventors have been directed to forward sample for test 6/16
230404	5/25	Wireless Improvement Co	Small, short wave receiver submitted by John Firth; states have made changes suggested.W Fwd Wash--6/5
Fwd S&A--6/21 230595	5/18 5/26 De Forest Co for phones. 6/8 De Forest Co asks name of manuf of phone superior to Baldwin type 6/8 To J. Firth--Acknowledges.6/12	Nathaniel Baldwin S&A	Relative to controversy over furnishing head telephones to De Forest Radio Co, through his agent, John Firth.W Fwd S&A-- S&A copy of letter to De Forest Co stating Bureau cannot procure telephones for them 6/5 John Firth states have had no reqt from
230839 To	5/28 F. Lowenstein--Appvs key.8/4	NY	Reports on test of relay key W To--Appvs use of key.6/2 NY corrects report 6/7 To NY--Reqt further information.6/20 NY reports on test and recommends approval 6/25
231197	5/28	Van Blerck Motor Co VOID	Detailed comments on trouble with Van Blerck engines at Forts Yd; reports on visit of writer with expert to that yard and of putting of engines in working condition.D
To--Submits report of test.8/20			
231205	5/30 Pyrolectric Instrument Co states Mr Edgerton will report at testing laboratory to assist in reassembling apparatus 7/21 To NY--7/24 NY reports on test of 8/15	E. F. Northrup	Discharge gap; request test of.W To--Comments on.6/2 To--Hill will visit.6/7 E.F. Northrup submits further report.7/15 To--Directs ship to NY for test.7/19 To NY--Instrms.7/19 To NY--8/20

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
226449	5/3	NY	5 KW sets - Order # 2 lists vessels issued to W
226876	5/8	To De Forest Co	Drawing for standard audion control box appvd with modifications. W
227083	5/8	To S&A	Reqt copies of contracts based on reqns as listed. W RB 5-21
227060	5/9	To S&A	Reqt shipt of ultraudions from Wash to different Yards. W To Pug Sd--Fwds copy of shipt reqt.6/23 Pug Sd (T) asks if material for stock 7/6 To Pug Sd--(T)Gives infor reqted.7/10
227520	5/9	De Forest Co	Audion control panel; fwds print.W To--Assigns type number with comment.5/12
227702	5/9	Wireless Improvement Co	Request that copy of requisition for 800 head telephones be expedited.W Fwd S&A--5/14 RB 5-17 To--5/18
227716	5/9 5/10	Edward G. Mahin Dept VOID	Metallographist at Exp Sta; asks if teaching, etc, required.K
227716	5/9	Western Elec Co	Audion bulbs; expect to ship 50 per week.W

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Number.	Date.	From or To—	Subject.
227913	5/2	Seattle	Calls attention to Tyree radio detector and amplifier shipped to Bureau Standards by the Smith Cannery Machines Co.W
228113	5/12	L.W.Austin	Wireless Spec Co's Kolster receiver; fwds report on.W
228134	5/12	Comdt 5th Nav Dist VOID	Asks if can furnish radio expert for duty in that district.K
228135	5/10	Wash	Operation of radio receivers for use of ultra audion; recommends estimate be prepared in accordance with scheme enclosed.W To--Reqt further plans.5/25
228327	5/8	Dr. L. W. Austin	Report on V circuit oscillating audion.W Fwd Wash--6/5
228711	5/14	De Forest Co	Combination audion, ultra audion and amplifier instruments; contracts 113 and 114; request date of delivery be extended.W
228646	5/12	Nathaniel Baldwin VOID	Accounting bulletin ashore #16; revises; fwds 6 copies.K
228646	5/12	Nathaniel Baldwin	Head telephone sets; fwds sample of smaller and lighter and request be tested.W To--Wash Yard will test.5/22
228500	5/16	To S&A	Reqt shipt of quenched gaps from Norf to NY for test. W

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
SE 179	4/20	Fwd S&A	Rec award to Marconi for radio sets. WR	
224005	4-19	NY	Selfpcooled quenched spark gap; fwds prints.W	
224242	4-20	NY	Fwds vandykes of inductance of 5 kw inductance coil.W To--Instrns. 4/25	
223933	4/20	To Wire Spec Ap Co T	Detector on reqn 711 should be in accord with drawing RW 50 A 133 A. W Wire Spec Co. fwds copy of proposal.4/21	
224311	4/21	Manhattan Elec Sup Co	Request reply totheir letter of Apr 10, requesting report on their removable contact point telegraph key.W	876
224349	4/23	To Wireless Improve Co	Bids for head telephone sets will not be re-opened. W	
224350	4/23	To Wash	Fwds drawings showing audion control box being manuf by the De Forest Co. Reqt comment and rec covering. W Wash.Test Shop, comments.4/30	
224353	4/23	To Wireless Spec Ap Co	Ask if intend to submit audions for test. W	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
224633	4/23	Cutting & Washington	Confirmation of understanding with Amer R&R Corp, relative to using Cutting & Washington's gap instead of their rotary gap with the sets manufactured ~~by Navy~~ for Navy Dept.W	
225144	4/26	Wash	Long waive receivers - fwds plans and estimates for manufacturing 40 W To--Drawing appvd.5/5 Wash radio receivers; fwds prints; not received.7/10	
225402	4/28	Wireless Spec Co	Audion bulbs; quotes prices on; request report of test.W	
225658	4/30	National Elec Sup Co	Century Telephone Construction Co's head telephone; submits samples for test.W To--Comments on changes made. 5/12	
225867	5/1 Moorhead Laboratories are shipping one bulb for test under instructions from F.F.Auringer 5/24	John J. Auringer	Detecting condensers.W To Wash--Directs test on receipt of sample.5/8 To--5/8 Auringer writer further 5/10 To--Upon receipt of sample, test will be held.5/14	
225882	5/2	To NY	Reqt ests covering twenty 5 K.W. quenched spark gaps, blower cooled, of latest New York Design, as to earliest date of delivery. W NY submits estimate 5/6 NY fwds prints 5/12	
332 226323	5/2	NY	Relative to testing apparatus furnished by M. F. Siebert.W To--Instrns.5/9	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
222281	4/12	To S&A	Reqt shipt of receiver and Federal Arc receiver from SAN DIEGO to M.Is. W	
222330	4/12	To Wireless Improve Co	Test of 110 volt oscillator may be made at any time. Will test uni-control receiver at Wash. W Co 4/21	
222437	4/13 To--5/8	To GE Co	Ask when sample receiving audion bulbs of various voltages and types will be fwded for test. W GE Co gives advances shown on test of their new tube. 5/3	
222447	4/13	To Wireless Spec Ap Co	Bu has made reqn thru Wash for 500 double crystal detectors as per price quoted, $35. W Co have received proposal from SO for crystal renewals; request further instructions 4/20	
222525	4-12	Phila	Ultra audion detector; improved form of circuit for use with; fwds print and description.W Fwd Wash--4/21 RB 8/15 To Wash--Reqt report of test.7/20 To Phila--8/21	
222588	4-11	Nat Elec Sup Co	Quotes price for short wave receivers.W.	
222757	4/14	To NY T	Directs report number two K.W. trans sets now at NY. W NY (T) 3 sets on hand 4/16	
222877	4/14	Western Elec Co	Quotes price for audion bulbs type D.W To--Reqn has been made for 1000. 4/18 Co reports forwarding to Wash sample of audion bulb 4/19 To--Gives results of tests.5/8	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
222738	?	Harry V. Roome	Oscilaudions; request permission to make tests of W	
	Roome states no test made since order issued closing station 5/2		To--Ask name of manuf to whom supplying bulbs for Govt use. 4/27	
	Fwd Communi--5/15RB 5-18			
23775	4-12	Phila	Rotary Spark gaps; fwds rpint.	629
223182	4/16	E. J. Simon	Moorhead relays request test report W	
			To--Not completed. 4/21	
223469	4/17	Washington	Comparrison on oscillating receiver circuits using inductive and composite coupling W	
223663	4/18	Richard Pfund	Has on hand all material for 2 spark gaps similar to those installed at Arlington. W	
			Fwd NY--5/21 RB 8/22	
223327	7/25	Wash	Reports on the V circuit oscillating audion. W	
	To Aero Sta--9/19			
223492	4/19	To S&A	To S&A--Audion adapters for ship and shore radio stations. Req't one audion adapter from Wash be furnished to each of stations listed. Gives ships and stations equipped with audions	SEE CARd 103
	To Atl Flt--Instrms. 8/15			
	Fwd S&A--8/15			
	Cruiser Force, Atl Flt 8/18		To--Re additional to be furnished 4/23	
	To San Domingo--8/22		NY relative to making out stub requisitions for adapter for Santo Domingo 8/8	
	To SEATTLE--8/22 S&A 9/10			
223856	4/18	NY	Pensaco 9/10 Quenched spark gaps - recommends Richard Pfund be placed on list for and fwds data secured through inspection W	
			To Firms-- Thickness of silver for quenched spark gap. Specns will be modified so silver must be at least 55 mils thick. 4/27	
223985	4/20	Cutting & Wash. T	Sperry refused to quote price on Sperry gap W	

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RECEIVING & SENDING SETS. 1917

Number.	Date.	From or To—	Subject.
218969	2-15	Daly, TJM	Has new receiving device which enables to recept of signals without use of aerial wire.W. To--Acknowledges. 3/23
219426	3-22	NY	Self cooled gaps; were not found satis; recommends issue of quenched gaps on Lowenstein sets for future requests.W To--Gives action on. 3/28 NY corrects letter of March 22nd 4/5
219424	3-23 Amer R&R Corp gives additional cost for using type G gap 4/7 Fwd S&A--4/12 RB 5-11	NY	Quenched spark gap; manufactured by the American R&R Co. Fwds report on with photos.W To-American R&R Corp--Gives conditions of award of contract. 4/4 To--4/4
219822	3-26	DeForest Co	Audion control boxes; change to be included in new type bid on reqn 362. W
220205	3-28	NY	Spark gap; 1/2 kw, quenched; submitted by EJ Simon; report on and fwds photos.W. To--Concurs.4/7
6 220614	3-22	M.Is	5 kw quenched spark gap;plan.W.
220635	3-28	Roome, HD	Reports shipment Mch 23 of Oscilludion for test at Laboratory.W. To Wash--Directs test.4/23 To--Test auth.4/23

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
220884	4/5	To John Firth	Returns crystal detector stand left for inspection. Not applicable for needs of radio service. Comments on. W	
Bost 156	4/5	To Bost	100 relay keys. Reqt add'l information.	WR
221651	4-7	EG Gage	Quenched spark gaps; fwds plan; can supply in other lengths; Garwood type.W.	
221590	4-6	Wireless Spec Co	Quotes price on detector stand.W.	
221755	4-7 To--Detailed comments.5/10	Mignon Wireless Corp	Mignon receiver; operating without aerial or grounds; fwds printed matter. W To--Comments on.4/21 Co have disc core receivers ready for test 4/28	
222001	4-6	Washn	Fwds ear caps for Wireless Spec and Baldwin type head phones; vandykes. W	
221543	4/9	To S&A	Reqt shipt of tikker detector from Aero Sta to Wash for disposition. W	
222314	4-11	NY	Request authority to take steps to replenish sotck of radio head telephones.W To--Reqn has been prepared for.4/16	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.
217240	3/8	To Bost	Returns Reqn #461, for keys to radio sets for corrections as listed. WRB 3-26
217241	3/8	To Wash	Reqts 14 sets of Vandykes of radio drawings as listed. Washn fwds vandykes 3-12
217242	3/8	To Wash	Reqt copy of b/p RW 26AA 121A, showing resistance unit for use with absorbing circuit type of arc relay key. W
217280	3-8	NY	Pfund quenched spark gap; quotes letter re error in overall thicknesses of.W
217535	3/10	To NY	Ask whether receiver No 117, ex Chasn Radio Station is at NY. W NY 3/22
217671	3-10	Marconi Co	5 kw self cooled quenched spark gap; reqt complete report; understands test will be completed Mch 13.W Fwd NY-- 3/13 RB 3-21
	To--Comments on defects. 3/22		
217764	3-9	Norf	Quenched gap; water cooled; mica gaskets for; request instructions re substituting paper, fish, for item called for on standard stock catalog.W.
	To NY--Reqt reply to letter 3/22. 5/3		
	NY recommendations 6/6		
	To NY--Reqt reply. 6/14		Fwd NY--Reqt rec re carrying in stock of mica and fish paper for spark gap gaskets.3/22 To NY--Reqt reply.5/3

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Number.	Date.	From or To—	Subject.	
218073	3-12	Marconi Co	Request report on operation of relay keys furnished under contract 21507, 1915.W	
	To--Gives infor reqted.4/4		To ALWIN & TALLAHASSEE--Reqt complete report as above. 3/16 AYLWIN 3/20 Sub Flo, Div 4 3/22	
Reqt 280	3/13	Fwd S&A	Rec receiving set ex Bu Standards Laboratory, be shipt to New Orl. WR	
218494	3/16	Wash	Audion detector; fwds prints for checking and assignment of file numbers.W To--Comments on.4/2 Washn fwds prints 4/11	
218531	3/16	Phila	500 cycle rotary spark gaps, non synchronous; comparison of various types; fwds report.W	
	To--Ask when report may be expected. 11/27 Phila--motor type non cynchronous rotary spark gap-fwds report on.12/7		Phila reports on Wireless specialty non synchronous rotary spark gap; recommends against use of 10/14	CARD 110
218612	3/10	Amer School of Corres	Cohen receiving set; request diagrams of connections for.W To--Cannot furnish. 3/21	
218792	3/20	To Phila	Reqt Vandyke and white print of drawing RL 32F 107A, non-synchronous spark gap. W Phila fwds plan 3/30	
218895	3-19	NY	New type radio receiver patented by F.Siebert; fwds description of with particular attention to coupling of primary circuit.W.	
	To F.Siebert--Comments on.6/2		Fwd Wash--For comment.4/4 RB submits report on 5/29	
219009	3-10	Birmingham Wireless Assoc	Request recommendation on most suitable type head phone.W. To--Gives information. 3/23	

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RECEIVING & SENDING SETS. 1917

Number.	Date.	From or To—	Subject.	
215772	2-23	Clark, GH	Examination of Telefunken audion left at Bureau by John Firth shows now as good as American Product; fwds sketch.W	
215887	2-19	Washn	Special audion bulbs submitted by DeForest Reports on test of.W To De Forest Co--Gives report of test with comment. 3/8	
213677	2-21	TO Washn TO John Firth	Inspection and test of sample short wave receiver submitted by John Firth. W	793-1
215814	2/24	To John Firth	Returns audion with comments.W	
216095	2/27	To Wash	Operation of radio receivers for use with ultraudion. Instrns re preparing plans and ests re improving. W	
		To--Fwds Vandyke of tone tester.3/31		
216417	2-28	Genl Radio Co	Asks if Bureau can give any additional data on requirements of tone testers on whch Lowenstein has requested prices.W.	
		To--Strictly in accord with drawing being fwded by Wash.3/8	To Wash--Directs furnish company copy of drawing of radio tone tester.3/8	
		Co reports nonreceipt of print 3/14		
216829	3-3	Marconi Co	Audion bulbs; submits 2 new types for test.W To--Acknowledges receipt of for test.3/9	
216830	3-3	Simon, EJ	Sample bulbs of Morehead Laboratory for test.W. To--Acknowledges receipt of.3/8	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
215331		CARD 78	P. Rawls will arrange to bring detector to Washington personally, for test, when convenient to Bureau 3/5 H.W.Garner asks if can make tests now (date?) To Warner--Will test at Bu Standards.6/4 H.W.Garner 9/7 To H.W. Garner--9/11	
216903	3/7	To NY	Record of Lowenstein 5 K.W. quenched spark gaps purchased under contr 804. Asks disposition of last one of three ordered retained at Yard. One shipt to TEXAS and one to KANSAS. W NY lists vessels and yards to which spark delivered under Lowenstein's contract 804 have been issued 3/16	
217091	3/7 Norf fwds photographs 3/27	To Norf	5 K.W. self-cooled 500 cycle plain spark gap. Reqt two copies of RE3A106A, and photographs RE32J106. Reqt prelim report giving present status of. W To--Reqt report be fwded immediately. 3/16 Norf fwds plan with recom for changes 3-17 Norf fwds preliminary report 5 kw self-cooled quenched spark gap 3/23	
216630	3-3	TO M.Is T	Request overall dimensions new self cooled 5 kw quenched gap;	876
217235	3/8	To Norf	Gives new method of design of high speed sending relay for radio transmitters. W	
217236	3/8	To Wash	Reqt ests for manuf of 45 Navy Type short wave receiving sets, and wavemeters. W Wash submits estimate 3/22 To Wash--Appvs. 3/26	
217237	3/7	To Bost	Reqt 10 sets of Vandykes of drawings of key contacts as listed. W Bost fwds vandykes, 3/17 and 3/19	

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RECEIVING & SENDING SETS 898

Number.	Date.	From or To—	Subject.
213419	2/3	To John Firth T	Directs fwd immediatly print detail dimensions spark protective device. W Dirth fwds sample 2/3
213868	2/7	To T.H.Phillips, Jr.	Reqts communicate with NY and arrange for demonstration of apparatus for the selective control of wireless waves. W To NY--Reqt complete report after demonstration. 2/7 NY submits result of interview 2/15
214242	2-8	Washn	Triple type detectors; only 58 in stock; M.Is requests 54; recommends amount be cut down. W Fwd M.Is.--2/15RB 3-26 Fwd S&A--3/28
214278	2-8 Marconi Co quotes price 2/20 Marconi Co corrects price 2/28 To--Reqt explanation of differences in prices. 2/26	Marconi Co	Long wave receiver submitted as sample schedule 9213 and subsequently covered by contract; unable to make changes desired and request cancellation of order for.W To--Receiver in accord with RE 13A 112B with modif satis. 2/12
214243	2-8	Washn	Submits dated and probable number of Century type buzzers shipped NY. W Fwd NY--2/14 RB 3-13
213985	2/10	To NY VOID	Radio apparatus for installation on Danish West Indies. Assigns 1/2 K.W. radio set to. Reqt comment as to certain alterations to motor. W

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Number.	Date.	From or To—	Subject.	
214292	2/10	To M.Is.	Reqt ests for design of one 5 K.W. arc radio transmitter. W M Is submits estimate 2/28 To--Appr s est.3/12	
214437	2-10 To Wash--Fwds encl. 2/27	Marconi Co	Valve detecters of improved type; now manufacturing; will submit sample. W To--Will testsbulbs when received. 2/17 Fwd Wash--Directs make extensive test. 2/17 Co will have samples ready for test short time 2/20 To--Will hold test of samples. 2/27	
214411	2-10	NY	Head telephones; radio; shortage in stock; request be replenished.W To--Deliveries expected within next 3 weeks. 2/15	
214464	2/12	To Wireless Spec Co	Reqt cost of 100 Baldwin Radio tele head sets now in stock for immediate delivery. W John Firth (T) quotes price 12-13 John Firth have a hundred on hand for French government that can make immediate shipment of 2/13 To J.Firth--(T) No. 2/13	
214623	2-12 To--Gives results of tests. 3/24	John Firth	Fwds 3 sets Baldwin phones containing mica diaphraigm for test.W. To--Will hold test of. 2/17 Fwd Wash--Directs hold test and submit report. 2/17 RB 3-23	
	To P.C.Rawls--Will inform when tests can be held.3/12			
3	To P.C.Rawls--(T)Cannot in near future.3/2			
215341	2-5 PC Rawles asks for op to demon (T) 3-1	Genl Laboratories Co	New detector for radio frequency ~~cas~~ oscillations. W To--Will be glad to make tests 2-21 2-21 TO Bu Standards directs test 2-21	TO Washn CARD 79
215835	2-20	NY	Fwds book of instructions for Lowenstein quenched spark gap as furnished cont 804. W	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
211354	1/12	To NY	Ask what new 1/2 K.W. and 2 K.W. radio transmitting sets have been delivered and are now on hand at NY. W NY reports on status of assignments 1/18
211664	1-16	Phila	5 kw 500 cycle nonsynchronous spark gap. Fwds photos. W
211665	1-16	Phila	5 kw 60 cycle, ditto.
211770	1/17	To Phila	Rotary gaps made by Wiresless Spec Co. Reqts further report and lists certain data requd. W Phila will forward report about March 6th 2/8 Phila will forward report about Mar 13th 3/7
211821	1-16	NY	Quenched spark gap; fwds report of test to determine variation gap length and power, temperature, etc.
212274	1/23	To S&A	Reqt shipt of four oscillion bulbs from NY to PENNA. W
212536	1-25 ~~To--Material returned by exp.3/2~~	Wireless Spec App Co	2 boz audion receiving set; submitted for test was received from Boston short detector and phone. W ~~Fwd Wash--For comment. 1/29~~ ~~Wash have requested company submit description of apparatus which they desire returned 2/8~~ ~~Fwd Wash--2/10 RB 3-1~~

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RECEIVING AND SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
212572	1-25	Was n	Circuit breaker for audion detector filament; fwds drawings and estimate for manufacturing.W To--Appvs work. 2/5 Wash fwds drawings 2/20	
212621	1/26 To M.Is.--4/14	To NY	Test of absorbing circuit type of arc relay key. Reqt data and comment on. ~~1/26~~ W NY comments on M Is test 2/6 To M.Is.--Submits NY comments. 2/26 M Is report on variation of antenna current 3/14 Fwd Wash--4/3 RB 4-18	
26127	1/26	Wireless Spec Co	Reports on results with phones, new type B; shows up better thanthe Baldwin	629
212251	1-20	M.Is	Difficulties in using IP 76 receivers with Audions without tikkler coils, submits list of vessels required; estimate for manufacturing.W Fwd Wash--Directs tests be made. 2/12 RB 3-30 To Wash--Ask when reply will be received.3/22 Wash test will be completed March 27th 3/26 To--Submits report.5/24	
204321		CARD 72	Bost standard key contacts; fwds prints of contacts, in accordance with suggestions of Mr. Hill; request approval to prevent delay on outstanding orders 1/26 To Bost--Appvs. 2/13 Bost fwds vandykes 3/1	
212990	1-30	DeForest Co	Oscillian transmitter; request test of.W. To--Reqt data showing construction details.2/7 Co fwds photographs 3/13	
212982	1-30	Bu Standards	Recommends DeForrest audion bulb under test be returned; is exhausted.W	

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RECEIVING AND SENDING SETS.

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Number.	Date.	From or To—	Subject.	
209745	12-22	Phila	Spark gap; rotary and nonsynchronous Fwds plan. W	
209748	12-20	Washn	Jove detector stand; JH Brunnell & Co. W. To J.H.Bunnell Co--Gives report of test. 1/9 To--Directs return stands to company. 1/9	
209767	12-20	Washn	Silicon crystals submitted by R. Fitch, Bureau Standards. W To--Instrns. 1/4	
209788	12/27	To Wash	Lists apparatus which Bu of Standard will turn into Yard. W	
209941	12-22	Washn	Radio receivers for 5 kw sets; second order; asks if same head gears should be supplied NY. W To--Lists items disappvd. 1/2	
27123	12-29	NY	Low power radio transmitting sets; Sperry Co; reports on test of; submits recommendations for modifications.	629
		1917		
210449	1/3 To--If will submit drawings, Bu will pass on same. 2/2 Pfund states time too short to submit bids on reqns 554 and 679 2/4	Richard Pfund	Requisitions 554 and 679, for 5 kw quenched spark gaps; request certain information relative to bids.W To--Gives information reqted. 1/8 Pfund request exact design desired in spark gaps 1/19	
210430	1/4	To De Forest Co.	Reqt co-operation in keeping number of types of bulbs in stock as small as possible. W Co states holders ~~forwarded Dec 7th~~ for bulbs will hold either large or small 1/5	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
210503	?	Clark, GH	Experiments for making use of break key for listening in whule sending to determine if receiving operator is getting message.W
209562	1/5	To Ships (8) Pug Sd Pug Sd gives number of tikkers 1/23 SARATOGA no tikker detectors 1/10 JUPITER gives number of tikker 1/29 RB from PUEBLO none on board 1/5 BUFFALO no tikker detector 2/5 PERRY 1/11 PITTSBURG 1/15 ELCANO 2-18	Reqt serial number of tikker detector. WS PREBLE RB 1-19
209563	1/5	To NY	Disposition of radio receivers. Instrns in connection with. W
210754	1-4	Wireless Spec Co	Relay key with manual attached; enters protest against award to other than their firm on Bost reqn 325.WR Fwd Bost--1/10 RB 1-18
211009	1-9	Washn	Long wave receivers; submits report on sample submitted under schedule 74; De-Brest; Marconi and Nat Elec Sup Co. W Fwd S&A--With rec. 1/13
211089	1-2	M.Is	Audions for submarines; recommends No 4 be assigned to H-2 in lieu of H-3; and assignment be made for F-2-3 and H-1.W To--Gives action.1/16
211103	1-9	Phila	Wireless Spec Co. rotary spark gap; fwds photos, and report of test.W

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RECEIVING AND SENDIN SETS. 1916

Number.	Date.	From or To—	Subject.	
208618	12-9	M.Is	Request further instructions re disposition of DeForest audion and parts for; shipped under shipment order Feb 28. W To--Fwds copy of shipt order of Feb 16th. 12/16	
208642	12-7	M.Is	Single stage ultra audion detectors; request authority to assign converted type to MARS; NERO; BRUTUS; IROQUOIS. W To---Gives action on. 12/16	
208929	12-15	Ports	High frequency buzzers; Ericsson type; Portland; request. Request speans. of satis type for use shore stations and ships. W. Fwd Wash--Directs furnish infor direct. 12/19 RB 1-4 Fwd Ports--1/5 RB 1-11	
209038	12-18	Wash Dist Supt	Fwds sketch of connection for ultra audion receiver used at communication office; has 2 to 5 times audibility as the IP76 receivers used. W. Fwd-Wash--For comment and rec. 12/20	
209127	12/19 M Is gives name plate data and nos. of remodeled ultra audions issued to destroyers 1/24	To M.Is.	HULL LAWRENCE PREBLE PERRY STEWART TRUXTON and WHIPPLE. Reqt name plate data on remodelled ultraudions, and serial number of shipt to above boats. W To--Acknowledges letter 1/6 with comment. 1/15	
209159	12/19 Co can supply arrgt for receiving same if certain apparatus can be obtained from Western Elec Co 1/6	To Atlantic Com Co	High speed transmitting key and afrgt for redeiving high speed signals. Ask if can supply, or give name of manufr who can. W	
209653	12-19	Pac FLT SATURN	Reports on inspection radio installation; Kilbourne & Clark receiver sets are too complicated for general use.	391-6

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
209017	12/20	To S&A 4	Reqt shipt of one 3-stage audion amplifier from 4 different yards to Wash for remodelling and disposition. W
	To Pug Sd--Yard now equipped with 2 audion detectors which should be enough to receive signals. Ill		To---Ditto. 3 shipt reqts. 12/21 RB 12-2
			To--Ditto 4 ships. 12/22
			Fwd Marine Corps--1/3
			Pug Sd recommends retention of for Cordova 1/5
209220	12/20	To M.Is.	Acknowledges receipt of report on radio frequency of different coils, and calls atten to fact that report is numbered as an F sheet instead of A sheet. W
			M.Is fwds correctly copy of plan 1-5
209282	12-19	NY	Quenched spark gap; competitive ratings of; fwds revised report.W
209334	12/21	To T. B. Miller	Bu is interested in a small electrolytic detector for purpose of detecting continuous wave signals without use of apparatus such as audion. Would be pleased to assist in any manner. W
			To--Ask when reply may be expected.3/9
209339	12/21	To Sperry Co	Acknowledges receipt of letter re delivery of low power radio sets. W
209465	12/22	To Wash	Reqt est for model receiver for 20,000 meter radio receiver of this range. W
209545	12/26	To S&A	Reqt shipt of one Marconi receiving set from ILLINOIS to Wash. W
209691	12/26	To De Forest Co T	Reqt report status delivery 3 short range audion transmitters for ships, reqn 312. W
			Co (T) 3 low power transmitting sets delivered Nov 3rd, Washington Yd.W 12/27

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
205596	11/15	To S&A	Reqt shipt of certain radio apparatus from Norf to Wash for disposition. W	
205704	11-14	Washn	Anode replacements; fwds print.W	
206604	11-16	Darien	Audion bulbs; received in bad condition; fwds shipping tags; states improperly packed.W Fwd S&A--12/1 RB 1-10 To--Instrns have been issued covering.	1/11
207049	11-29	NY	Quenched spark gaps; made of copper; fwds plan; request 10 be delivered NY for test.W To S.R.Dawson--Reqt quotation on 24 sparking surface plates. 1/5 To--Gives action bn. 1/5 S. R. Dawson quotes prices 1/23 To Dawson--On completion of experiments will advise. 2/3	
207192	12/5	To Chasn	Reqt serial number of combined audion ultra udion detector filter type assigned to radio laboratory. W Chasn gives number 12/11	
207316	12/5	To M.Is.	Reqt serial numbers of short wave receivers installed on MILWAUKEE ST. LOUIS and SARATOGA. W M Is 12/14, Pug Sd 12/28--gives numbers.W	
207660	12-6	Phila	Rotary non;syn spark gaps; fwds print (2-letters). W To--Appvs with some changes. 12/11	
207925	12-6	Phila	Phila fwds vandykes 1-2 ditto W To--Appvs. 12/11	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
207688	12-7	John Firth	Baldwin phone; troubles experienced with due to bubble in mica diaphraigm; have supplied Baldwin with special mica and request test of phone fitted with.W To--Will be glad to make test of if furnished with sample. 12/26
181889	SEE CARD 63		To S&A--Reqt shipt of quenched spark gap and 3 sets treated fish paper gaskets from NY to Norf. 12/8 To NY--Instrns. 12/8 To Norf--Directs overhaul gap and submit report to Bu. 12/8 To NY--Reqt reply to Bu letter of 12-8. 1/12 NY quenched spark gap with fish paper gaskets shipped to Norf 1/13
208098	12/11	M Is	Tikker detectors; detailed report of assignment of.W
208225	12/11	To S&A	Reqt shipt of one receiver transfer panel from Wash to PENNA. W To--Ditto for CONNECTICUT. 12/11 To--Ditto for MICHIGAN. 12/11 To--Ditto for SO CAROLINA. 12/11 To--Ditto for NEW YORK DELAWARE ARKANSAS. FLORIDA TEXAS WYOMING NO CAROLINA MONTANA UTAH OKLAHOMA NEVADA BIRMINGHAM OLYMPIA COLUMBIA. 12/12 B3 12-26 To--Ditto for WEST VIRGINIA SO DAKOTA SARATOGA PITTSBURGH COLORADO MARYLAND ST LOUIS MILWAUKEE SAN DIEGO WASHINGTON VESTAL CHASN SAN FRANCISCO BALTIMORE NEBRASKA BROOKLYN. 12/13
208226	12/13	To S&A	Reqt shipt of audion amplifier from ~~NY~~ ~~to~~ Fire Island to Wash. W

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
204504	11/4	To GE Co	Fwds copy of radio transmitters blue print specns. W
204790	11-4	NY	Spark gaps; gives proposed distribution of those called for on reqns 679 and 554. W To—Gives distribution of. 11/14 NY asks action taken on requisition 554 12/7 NY asks actionon requisition 679 12/7 Fwd S&A--12/14
204984	10-24	Clark, Geo H	Rrc radio transmitter(Hysteresis) key developed by Alexander, of the GE Co.Reports on.W
205009	11-8	Norf	Refusal of Washn Yard to ship more than 12 radio buzzers. Fwd S&A--12/11
205213	11-3	Washn	Washn refuses to fill request for buzzers head sets cords, on account of quantities already shipped.W Fwd S&A--Shipt rec. 11/11
205214	11-7 11-10	Clark, GH Washn	Deve.opment of new type radio receiver by enlisted personnel; recommends Gunner Eaton be allowed to take up patent. To Wash--Apprs reqt. 12/20
205027	11/10	To S&A	Reqt shipt of 6 audion generator bulbs from Wash to M.Is. W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
191591		SEE CARD 68	To Mellon--Apparatus at Wash. Can make repairs if desired. Test will probably be held about Nov. 20. 11/11	
	Mellon asks where receiver is to be sent for test 1/9		C. E. Mellon request receiver be returned by express 11/28	
	Fwd Wash-- 1/12 RB 1-27		To Mellon--Have made arrgts to ship by express. 12/5	
	To Mellon--Comments on tests. 1/29		Fwd Wash--Instrns. 12/5 RB 12-12	
205358	11/13	To S&A	Reqt shipt of radio receivers from Phila to Wash for disposition. W	
205402	11/13	To Panama Canal	Fwds copy of specns for 1 2 5 and 10 KW radio transmitters. W	
205454	11-9	At Flt	Buzzer instruction sets; fwds print and description of.W.	
			To Wash--Directs prepare plans and est.	11/24
205459	11- 11	DeForest Co	Oxide filament tubes; revised bid giving prices, terms of payments, and copy of injunction against Marconi Co.W	
			To--Have appvd reqn for 925 tubes.	11/21
			Co ack and thanks Bu for continuing this type of apparatus on proprietary basis	11/25
205398	11/14	To S&A	Reqt shipt of certain receivers from NY to Wash for disposition. W	
			NY reports 12/7	
205535	11/14	To Phila	Ask present locatation of Fessenden radio receiving set Type G Serial #15, last report loaned to CUNNINGHAM. W	
			Phila Fessenden receiver type G #19, in Machinery Division	11/23
205391	11/14	To S&A	Reqt shipt of radio transmitting sets from NY to various ships.	918

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
203063	10/20	To M.Is.	Ask what ships receivers #W-41, Ab #W-42 Ab #W-50 and #W-55 were installed on. W M.Is gives assignments 10-31
203299	10/17	Fed Tel Co	New type of relay key for use of arc sets, called hysteresix key.W To--Will test key at Arlington. 11/8 Fed Co. quotes 11-13 To--Comments on. 1/4
203492	10/25	To Marconi	Ask if will submit audion detector and oscillator bulbs for test. W
203634	10-26	NY	Fish paper gaskets for quenched spark gaps; proposed specns covering.W To--Appvs drawings with recommendation.10/28 NY fwds vandyke showing gaskets 12-20
203675	10-19	Marconi Co T	Request curves received reduction for incorporation in new receiver.W
203708	10-22	Butler, RM	Asks if can buy IP76 receiver.W To--Not often sold to public. 11/2
203790	10 25	Was n	Misc receiver drawings; fwds.W
203955	10-23	DeForest Co	Receptacle and plug for Navy audion bulbs; fwds print.W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
203832	10-28	Austin, Dr LW	Special detector bulb; fwds report on.W	
203833	10-28	Austin, Dr LW	Oscillating audion; measurement of radio signals with; fwds report.	
203835	10-28	Austin, Dr LW	Reports on use of nitrogen for filling audion bulbs.W	
203989	10/30	To NY	Ratings for quenched spark gap. Appvs general method of determining the value by quality as well as by price. Offers suggestions. WR	
	NY revision will be completed by Dec 9th 12/6		Ask when corrected drawing will be received. Holding reqn. 11/28	
204091	10/31	To Gen. Elec. Co.	Reqt status of development of magnectic control key for use with radio telegraphic systems. W	
204094	10/31	To Wash	Fwds print of DeForest Co showing dimensions and structure of audion bulbs and receptacles. Directs prepare print showing tip only of bulb. W	
	To--Instrns. 12/9		Bost fwds prints and sample 12-18	
204321	11-1	Bost	Standard key contacts; fwds drawing. W	
	To--Will use 3 sizes as listed. Directs draw up new drawings.11/27		To--Drawing disappvd. 11/4 Bost print showing size recommended 11-14	CARD 77
204448	11-2	Washn	Receiver plans; fwds W	Bost fwdsplans 12/6

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
NY Reqn 554	10/10	To NY	List modifi reqted in reqn for 12 quenched spark gaps with spares, for stock.	
201953	10/11	To Benj Liebowitz	Temperature of incoming and outgoing water of a Poulsen arc; fwds data of test made at radio station, Bost	876
202060	10/12	To De Forest Radio To--Comments on proposed changes. 10/19 Co data not yet received 1 0/19 Bost fwds prints with estimates 12/12 To Wash--Est appvd, work auth. 12/14	Gives changes contemplated in award recently made to, in the audion control boxes. Reqt est inc cost.W To Wash--Reqt plans and est for audion adaptors. 10/12 Co states changes desired will entail long delay and heavy expense; suggests another plan 10/13 To--Comments on requirements. 10/17	
202211	10/13	To S&A To Key West--Reqt plans and est for install of. 10/17	Reqt shipt of one 5 K.W. radio transmitting set to Key West. W To--Reqt shipt of one 2 K.W. trans set to NY. 10/17	
202458	10/14	Marconi Co R To--(T) Proposed change specns embodied new specns to be issued shortly. 10/19	Radio receivers; specifications for; states in order to meet specifications covering variable condenser, either a very large condenser or a large number of 4r index taps required; request instructions.W To (T) request wire reply 10/19 To--Specns have been revised. 10/18	
202569	10/14	Dr. L. W. Austin	Roome Oscilaudions; reports on test of, comparison with De Forest audion bulbs.W	
202682	4/21	NY	Copy of radio to WYOMING, relative to ratio Hudson filament and Western Elec bulbs.W	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
202600	10/17	To DeForest	Reqt est on manuf of one experimental audion bulb. W De F Co reports mailing to Bu Standards 10/20 To—Thanks for prompt action. 10/24 To—Reqt another audion bulb. 10/30 DeForest reqt futh er data re arrgt filament 10-31 To—Gives data reqted. 11/2
202587	10/17	To Key West	Have reqt audion amplifier shipt to Wash for remodelling. W To S&A—Reqt shipt of one audion amplifier from Key West to Wash. 10/17
202013	10/16	To Commandants and CO	Disposition of old radio head tele sets. Directs foward to Wash for repair and reissue. W Key West -- 2/18.W To Key W est -2/27 American Patroll Detachment-CO Raleigh, reports on radio set 11;1 To S&A Reqts. shipt. of telephones from Wash. to RALEIGH. 12/3
203038	10/19	Wireless Spec App Co	Rotating spark gap; states will submit sample if any prospect for orders. W To—Will conduct test at Phila. 10/23 Fwd Phila—Copy of above letter. 10/23 RB 10/31 Wireless Co. reqt Phila test 11-18 Fwd Phila—11/21 To—Test will be expedited. 11/21
202838	10/20	To Wash	Reqt drawing and est for manuf of 20 long wave receivers. W
202839	10/20	To Wash	Ditto for 36 short wave receivers. W
203061	10/20	To NY	Gives assignment of Navy type receivers, short wave. Ask what ships were installed on. W NY gives assignments 10-30 To—Ask what ship receiver No 2 installed on, or where located. 11/2 NY assigns AA receiver No 2 WILKES 11-15

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
197697	8/25	To Phila	Radio telegraph detector protective relay wiring diagram; desires alteration of drawing and revised prints issued to Bureauand the other yards.W Phila fwds revised prints 9/5
198408	8-25	M.Is	Audion and ultra audion, combined detectors; gives assignemnt of those on station and request authority to assign 4 in stock to Radio Laboratory, Eureka, SOUTH DAKOTA.W To--Appvs assignments.9/15
198566	9/6	Marconi Co	Asks what is considered an efficient radio receiver coil; also copy of Dept's classification of radio apparatus.W To--Wash Yd has been instr to send prints. 10/10 To Wash--Reqt to fwd prints of tests recently made on the constants of rec.coils. 10/10
198876	8-21 9-9	Portland Radio Sta Supt	Quenched spark gap; scheme for operating; fwds plan W To Supt via Bost--Comments on. 10/16
199085	9-9	Washn	Crystal detectors; and phones for radio receivers recommends changes instructions as to what is to be shipped with new and repaired sets.W To--Gives instructions.9/28
198954	9-14 ~~9-15xxxxDittxx~~	To S&A. (10)	Reqt shipment loading coils from Wash to Yards. W To S&A-- Ditto. (12) 9/15 To S&A--Ditto. (2) 9/16 To S&A--Ditto.(26) 9/19 To S&A--Ditto. (8) 9/22

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RECEIVING AND SENDING SET. 898

Number.	Date.	From or To—	Subject.
199840	9-19	Austin, Dr. LW	New oscillating audion circuit; prelim report.W
199071	9-22	To NY.	Gives assignment of quenched spark gaps under contract 804 NY. W NY assignment of 10/6
200293	9-23	Norf	5 kw self cooled quenched spark gap; fwds plan.W
200513	9-26	NY	Quenched spark gap, fish paper gaskets for; fwds print describing method of installing. W
200563	9-28	Pug Sd T	Standard two KW transmitting set; request plans.E
201190	10-5	Asixtic Flt T	Reqt 200 ultra audion bulbs. W To S&A--Reqt shipmt ultraidion bulbs to Cavite.10/6
201495	9/29	M Is	Location of tikker detectors.W To--Reqt information of assignment of tikkers to complete Bu record. 10/28
201316	10/6	To M.IS.	Remodelling of audion amplifiers. Reqt infor as to when this work will be complted.W M:Is estimate for remodeling 10-16 To--Auth conversion of. 10/27
		M Is (T) request authority to assign audion to STANDARD AERO and OREGON 8/24 To--(T)Disappvs.8/24 M Is 10/3	
201414	10/7	To S&A	Reqt shipmt of radio apparatus from Phila to Wash.W Philga receivers ex ALABAMA shipped NY 10-28
		Fwd S&A--11/2	

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.
		To--Will hold test. 2/20	
195009	7-29	To H.V.Roome. 11/22	Super-sensitive oscillaudion; offers to test apparatus at Bu Standards. W Roome reports shipment of 12 oscilaudion bulbs for test 8/3 Roome entire lot can be used 8-15
		Roome comments on report of test To--Bu will co-operate in any tests. 1/5 Roome reports reasons for delay in sending sample oscilaudions 2/6	To--Gives result of test. 10/18
		Fwd Bu Stand--2/20 RB 3-23	
195120	7-31	To Phila.	Radio telegraph; caps; non-synchronous; reqt copy of drawings. W Phila fwds plans 8/11
195414	7/27 8/2	F. Lowenstein NY	Lowenstein quenched spark gaps; request that requirements of 1000 volt per gap be waived in gaps to be furnished under contracts 804 and 26028; gives reasons; NY disapproves. W To NY--Instructions. 8/7
		To Plecher--Will return trans by express. 1/25	
176539		CARD 59	Andrew Plecher; states apparatus sent was a transmitter and not a receiver; claims Fessenden is a thief 8/3
		Fwd Wash--Ask if apparatus on hand at Wash. 1/11 Wash telephone transmitter turned over to shipping section for shipment to Plecher; new model not ~~to~~ been received 1/15	To Plecher--Refers to Patent Office. 9/23 Plecher will submit a correct and true model 10/19 To Plecher--Will make test of. 10/30 Plecher request return of model 1/6
195819	8/7	John Firth	Request return of combined composition receiving set, wave meter and decremeter submitted under schedule 9213; request be returned over to Bureau of Standards. W To Wash--Directs be turned over to Bu Standards. 8/14
195865	7/18 8/8	Phila S&A	Rotary non-synchronous spark gaps; gives list of those being manufactured and requests stock number for. W S&A request action 9-12 Fwd S&A--10/14

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RECEIVING AND SENDING SETS: RADIO. 898

Number.	Date.	From or To—	Subject.
195915	8/4	Washington	Reports on test of the Mignon radio receiver, submitted by the Electron Mfg Co.W To -Mignon Wireless Corp. - quotes report -8-23
196276	8-12	To NY-M.Is-Phila.	Asks disposition of Fessenden heterodyne receivers. NY shipped Newport with SALEM set 8-17 To Canal Zone--request report on receiver 8/22 RB from M Is--located at yard; reports on 8/30 Darien 8-31
196544	8-15	To Wash.	Directs yard prepare design of container for "B" batteries of audions. W Washn submits estimatee 9-19 To--Gives directions for manuf and dely of.10/12
196834	8-16	NY	Marconi duplicate break relay keys; unsatis; test abandoned.W
197096	8-9	NY	Spark gap units; recommends silver surface in liey of copper of all units for. W Fwd S&A 8/26 RB 9/23 Fwd S&A--Rec be no resilvered.9/26
197251	7-17	Olongapo	Spark gap plates; repairs to; plan.W
197340	8/21	John Firth	Request revised specifications for sending sets; asks also for copies of blueprints.W

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RECEIVING AND SENDING SETS: 1916

Number.	Date.	From or To—	Subject.
191476	6-22	To S&A.	Reqt shipment ultraudion detectors and bulbs from Wash to M.Is. W Fwd Wash--11/20 RB 12-7 Mellon reqt cabinet be sent to him 11-17 SEE CARD 73 Mellin reqt appt 11-7 To--Gives report of test. 10/30 Simpler, states Mellen can remedy 11-4
191591	6-21	Simpler, L.M.	Radio receiving apparatus which permits cutting out all except message to be received; request investigation.W To Simpler--Test Oct 12th (T) Co makes appt 12th 10-9 10/11 Fwd Wash--Will test Oct 12, 10/11 To--Offers to test at Wash. 7/29 RB 10/28
191799	6-26	To NY	Hand keys for relay keys - send prints to Boston and Bureau.W. NY fwds corrected drawings 7/24 To NY--Appvs redrawing sheets.7/13 NY fwds prints 7/6
191808	6-24	To De Forest	Clark on leave - suggest appt. Wednesday W
192319	6-30	NY	4 Federal Co radio receiving sets under purchase contract 350 ordered shipped Washn; already issued.W Fwd S&A--Rec shipment be made. 8/8 RB 8/25 Fwd S&A--Noted. 8/31
192240	?	Fitch, RO	Belini crystals for wireless detectors; request orders for.W To-- Offers to make test of at Wash. 7/13
192482	7-3	NY	Lowenstein 10 kw radio transmitter delivered contract 24700; fwds description, list of spares,etc. W
192398	7-3	To NY.	Reqt plans of main operating keys for use with 30 K.W arc radio ssets; asks assignment of same to date. W NY operating keys, arc set; fwds plans 7/20

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
192623	6-24	NY NM	Request wiring diagram for radio receiving and sending sets.W for instruction purposes. W
	To--Reqn	will be made for. 10/16	Fwd Washn re control panel 8-21 RB 9/1
193853	7/17	De Forest Co	Quotes price and requests Bureau purchase an oscillon transmitter panel and cabinet now at laboratory, Washington Yard.W
	Co 9/7		Fwd Wash- For comment and rec 7/20 RB 7/28
	To S&A--(2) Reqt shipment gen set to Norf Pug Sd and anode holder to Guantanamo. 8/9		To Wash--Bu has prepared reqn for oscillion.8/9
	To-- 8/11	De Forest will make control panels 8-14	To--9/5
193852	7/17	De Forest Co	Quotes price of adapters for the 5000 hour ultra audions; all ultra audions will now be manufactured incompany's own glass department.W
			To--Comments on: Bu will prepare reqn for 100 adapters for use with present audion control boxes. 7/25
193863	7/17	Dr. L. W. Austin	Adjustment of audion circuits; reports on.W
194239	6/20	Asiatic Flt	Receivers assigned to DALE, ELCANO, BAINBRIDGE, GALVESTON and HELENA; one for store.W
194312	7/14	M Is	Batteries for three stage amplifiers; asks when shipment may be expected.W
			To S&A--Reqt shipment of frm Wash. 7/31
194298	7-22	To Norf.	Radio telegraph; reqt yard prepare and forward to Bu complete set of specfns for reactance regulators. W
			Norf understands ground covered by conference of yard's radio aide with Bu's force 7/27 8/1
194637	7/26	Dr. L. W. Austin	Reports on buzzers submitted by Col. Firth.W
			To John Firth--Returns sample, satis.8/9

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[OVER.]

RECEIVING AND SENDING SETS. 1916

Number.	Date.	From or To—	Subject.	
188143	5/18	To New Orleans	Radio stock; asks whether steps are being taken to carry stock as reqtd by 169880-876; asks if stock of audion bulbs is adequate	876
188508	5-17	Washn	Reports on test of Hallberg relay.W Fwd Norf-- 5/26 RB 6/6 To--Directs modification in design and manufacture of. 5/26 Fwd Norf-- 6/20 RB 6/26	
188479	5/20	To Sub Sig Co	Suggests use on audion in connection with test of sub signal receiving sets; reqt apparatus be ready by June 19th	711-3
188838	5-24	Mignon Wireless Corp	request test of radio signalling receiving cabinet that wil receive damped and undamped waves.W To--willing to make test at Wash Yd 5/27 Co cabinet completed; reqt shipping specns 7-2 To--Ship to Wash Yd. 7/13	
188999	5-22	Phila	States IP portable receiver 218 reported lost on Phila survey 103-40 is probably on board CAESAR; removed without authority by CAESAR operator.W To CAESAR--reqt serial numbers of ~~sets~~ receivers on board 5/31. CAESAR gives number 6-6	
189232	5-25	Dubilier, W.	Request test new form small range radio transmitter.W. over	
188385	5/27	To Comandants and COs	Audion bulbs; when filaments burned out, effort should be made to reunite ends; record to be kept of each bulb through Wash Yd; bulbs should be promptly disposed of when they become unserviceable.W To Wash--Fwds copy above; reqt record system for audion bulbs issued. 6/8	

M Is reports on test of 25 repaired audion bulbs 7/18
To M.Is--Comments on 8/4
To UTAH--2/12

N.S.E. Form 134.

RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
189232	5/27	To William Dubilier	Willing to test small range radio transmitter at Wash Yd after first testing at NY; sample buzzer should be shipped to Wash, for test. W
189233	5/27	To NY	Directs test of William Dubilier's small-range radio transmitter. W NY reports on test 6-23
190075	6-5	Washington	Test of portable receivers; received under schedu. es 9213; report by GH Clark. W To S&A--Rec as to award. 6/8
190342	6-8	Navgn	Request audion bulbs and batteries for observatory. W Fwd S&A--Reqt appratus be furnished. 6/10
190971	6-16	To Wash.	Reqt information as to present condition of certain radio receiving sets. W Washn 6-27
191286	6-12	Austin, Dr. LW	Permissible wave lengths with spark sending set; reports on. W
191302	6-13	At Flt	Comparative test of Western Elec and Hudson filament bulbs. W To--Asks type of detector used in tests. 7/6 At Flt silican antimony detector used during test 7-8 To Western Elec Co--Gives results of tests. 7/19

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RECEIVING AND SENDING SETS: 1916

Number.	Date.	From or To—	Subject.
185905	5-2	To Wireless Spec Co.	Offers to test set of mica transmitting units at Radio, on the 5-K.W. spark set. W Frith handled by him personally 5-4 At Torp no added apparatus 5-8
186798	5-3 Bost print 6-20	Bost To Bost--6/28	Bost revised plan key contacts 8-30 Auxiliary hand radio keys for 2 and 5 sets; fwds prints.DW To--Waiting drawings from NY. 5/8 To NY--Asks if standard realy key has been designed at NY. 5/8 To Bost--5/23 NY fwds white prints 5-16 To Bost--Appvs with additions. 6/6
		To--Reqt single key contact be designed. 5/25 To NY--Fwds copy above. 5/25 Bost fwds schedules 6-2 Bost fwds vdymes 6-13	BELOW
186394	5-3	To Dutting & Washington.	Reqt data on design and manuf of radio transmitting set embodying the Chaufee arc principle; Bu will be pleased to designate a representative to witness ites operation and test. W
186954	4-26	M.Is	I-P-76 receivers; request list of serial numbers and location of all sets now on Pac Coast. To--Submits list. 5/22
187095	5-4	Manhattan Elec Sup Co	Arc radio receivers; amateur type; fwds catalog and request specns covering requirements.W
187248	5-5	Lavender, Lt RA	Reports on test of direction finder on BIRMINGHAM. W
187301	5-9	Marconi Co	Will submit sample spark gap for test to NY. W To--Reqt sample be completed and submiited for test. 7/28
196798		ABOVE	Bost key contacts; thread per inch not common standard 7/13 To Bost--Appvs RB 26A-106-A as standard.7/19 Bost fwds vandyke 7/31 To Bost 8/25
Bost standard key and prints 7/15		contacts; fwds vandykes	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
187376	5-4	At Flt	Comparative test Hudson filament and Western audion bulbs; favors Hudson.W
187653	5-12	To Western Elec Co.	Notifies of shipment of long wave radio rec set to CO from Wash for experimental work. W To S&A--Reqt for shipment. 5/12
187909	5-13	Washn	Submits estimate for manufacturing 25 receiving switch panels for radio receiving table.W
188284	5-16	Clark, GH	States receivers returned to Washn Yd for repairs generally have vital part of apparatus removed making them scrap material only; request instructions prohibiting any change in or removal of any part of.W
188296	5-18	At Flt	Fwds table showing number of bulbs used by various BS, and source of current supply.W
188139	5-18	To Wash.	"1916 May" order for 50 short range radio receivers; reqt estimates for manuf. W To Wash-- Ditto for 20 long range radio receivers. W Washn estimated held up waiting results of experiments 8-23 To--Comments on. 11/11

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.
185165	4-17	Washn	Ultra audion bulbs; recommends changes in specns.W.
185444	4-17	At Flt	Belini Tosi direction finder: correct to within 3 to 5 degrees on BIRMINGHAM; if other vessels to be fitted recommended wooden mast and hemp rigging. W Fwd Dept ia Rad Ser--Comments on.5/6 RB 5/24--C&R does not consider practicable to use only wood masts and hemp rigging. Fwd Dept--5/2
178193	4-22	SEE CARD #60	To Atl Flt-NY--Radio direction finder; F.A.Kolster of Dept Commerce will report to yard in connection with installation on WYOMING; expenditures authorized in advance of estimates. W To S&A--Reqt shipment Kolster meter from to NY for. 4/22 Fwd Sol--Reqt contract be made/ 4/22 To Atl Flt--Directs transfer of radio direction finder be transferred to another ship for test. 5/6 Fwd Dept--Noted. 5/23
		To Dept Interior--(Secsig) Reqt patent of Kolster be given precedence ahead of routing applications. 5/9 To Atl Flt--Reqt arrangements be made for quarters for Lowell.5/16 To S&A--Reqt shipment Kolster meter from Wash to FLORIDA. 5/16	
COPY OF AGREEMENT		FILED 11/14.	
185905	4-20	At TorpmFlt	Radio direction finder; reports on use of; not accurate if shore stations shift wave lengths. W To Via Atl Flt--Comments on; continue experiments on. 5/2 ~~Firth~~ To Via Atl Flt--Suggests certain experiments be made; have reqtd shipment of audion for use in test. 5/22
		To S&A--Reqt shipment.5/23	
	4-26	To NY.	NY NSA 1194; tubular quenched spark gap; reqt Marconi Co be encouraged to submit sample gap for test. W-R To Marconi Co--Sample sample must be tested before award can be made. W-R
186288	4-29	NY	Naty type radio receivers; requestoperating instructions.W Fwd Wash--Directs NY be furnished.5/3

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RECEIVING AND SENDING SETS.898

Number.	Date.	From or To—	Subject.
186326	4-29	Clark, GH	Chauffee arc transmitter; report on. W
186418	4-17	Newport Radio	Fwds unsatisfactory audion bulbs (Nor rece)
186348	4-25	M.Is	Spark gap; mica rings; reqt specns covering.W Fwd NY--For above information. 5/5 RB 5/18 To NY 8/25
186518	5-1	DeForest Co	New type ultra audion receiver; change will permit secrecy.W To--Comments on; offers to test apparatus at Wash Yd. 5/15 To Wash--Re test of. 5/17
186498	4-29	Clark, GH	Recommends that sample No 6 head telephone be returned to Wireless Imp Co W
186251	5-1	To Manhattan Elec Sup Co Clapp-Eastham Co. Wireless Spec Co.	Asks cheapest small compact radio telegraph receiver, amateur type, carried in stock W Wireless Spec Co quotes prices and time of delivery 5/2 Clapp Eastham 5-8
186607	4/30	G. H. Clark	Direction finder; gives description of newform developed by the Belliñi-Tosi Co in France.W
186669	5/2	Stromberg, Carlson Co	Reqt report on test of radio head set.W To--Bu will furnish copy test.5/6 To M.Is--Reqt copy test. 5/6 RB submits copy of report in triplicate 5/20 To--Quotes report of test. 6/7

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RECEIVING AND SENDING SETS: 1916

Number.	Date.	From or To—	Subject.
182934	3-22	Prindle, Wright & Small	Sending and receiving device that insures secrecy. W. Fwd Rad Ser--Comments on. 4/3
182617	3-27	To Atl Flt.	Hand carts for portable radio set; Bu has received several reqts for; reqt comment and rec re including in standard portable field set equipment. W Atl Flt recommendations 4/10
183163	3-28	Washn	Recommends manufacturing detector stands at Washn ; fwds sketches.W To--Appvs estimat for; submit reqn for detector stands. 4/1
183449	3-30	Norf	High speed automatic radio transmitter; fwds print and estimate for manufacturing.W
183579	4-5	To Bost-Norf.	Direction finding radio apparatus for BIRMINGHAM & PENNSYLVANIA; reqt plans and estimates for installation. W
183935	4/5	Elec School, N.Y.	Reqt pamphlets on ultra audions.W To Via Comdt--Fwds. 4/8 RB 4/13
184038	4/6	Dist Supt, Bost	Asks if Ports, Portland, North Truro, Bost andNewport should not be furnished with audion amplifier.W To-- Audion appratus will not be furnished Portsmouth and Portland. 4/14

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898 RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.	
			(Cross)	
183898	4-7	To NY. (R)	Asks date completion test 5 K.W. radio sets for SAMPSON ROWAN DAVIS ALLEN. W NY (r) Not until Aug 1st 4-8	
184429	3-6	Commander Wells	Belini Tosi direction finder; request description of. W	
184133	4/11	To Marconi Co	Bu has recommended award to contract under schedule 9245 to Marconi Co for direction finding apparatus; reqt copy of description of apparatus together with prints	876
184642	4/13	De Forest C o	Writes further relative to the Tungsten filament bulbs; states will fill order on requisition 479 with Hudson filament. W	
184488	4/13	To Radio	Directs audion amplifier now at station and no longer required be turned in at Wash for remodeling	841
184704	4-17	To GE Co. Western Elec Co.	Gives outline of conclusions arrived as to use of radio telephone from operation of apparatus installed in the Fleet. W	
185002	4-13	AUSTIN, Dr. LW	Reports on test of Western Elec Co detector bulbs. W	
185129	4-18	Wireless Spec App Co	Detecor renewals for; suggests changes in requirements of contract 405. W.	

Wireless Co. commence delivery next 30 days 4-29 ments on. 4/25
To Wash--Fwds sample for use in inspection on deliveries. 4/27

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.
181452	3-13	To Pug Sd.	Gives assignment of audion ultraudion detectors. W To N.Is--Fwds copy above. 3/13 To S&A--Reqt shipment detector from Pug Sd to Tatoosh. 3/13 To S&A--Reqt shipment of detector from M.Is to Cape Blanco. 3/13
181686	3-10	DeForest Co	Will fill order under reqn 497 with lamps containing Hudson filament; are forwarding tungsten filament audion tubes to Laboratory for test and request permission to supply this type on future orders. W Fwd Wash 3/20 RB 3/22 DeForest Co delay in securing wire 3-21 To--Comments on. 3/29 DeForest no reduction in price 3-30
		DeForest make allowance $50 4-15 To--Will rec acceptance of bulbs when satis agreement can be reached as to price. 4/4 To--Have rec acceptnace of tungsten filament bulbs. 4/13 To S&A--Auth acceptnace of bulbs. 4/18	
181907	2-27	Olongapo	Submits estimate and request authority to manufacture spark gaps for repairing quenched spark gaps. Fwd NY for recommendation 3/20 RB 3/30 To--Auth manuf of; furnish NY with sample plate and furnish Bu with description. 4/7 To N.Y. fwds. Cavite method 8-28
		NY reports	on 11-3 Norf type
181889	3-18	To NY.	Reqt comparison be made between various spark gaps on reqn 1194 and those of M.Is Norf and NY type; have reqtd shipment of spark gaps from M.Is and Norf to NY. 3/18 W To Norf-M.Is--Fwds copy above. 3/18 SEE CARD 74 To S&A--Reqt shipment spark gap from M.Is to NY. 3/18 M.Is fwds M.Is test; shpd NY10-16 To S&A--Ditto from Norf. 3/18 NY status of mfg 3-31 To NY-- Asks if other assignment necessary. 4/6
		NY gives assignments 4/13 To NY--Reqt report on Norf self cooled quenched gap 8/3 NY reports non receipt of Marconi and M Is gaps for test; NY gap loaned OKLA 8/9 Fwd M.Is-- 8/12 RB 9/5 S&A request action 9/1 Fwd NY 9/9 NY--Reqt test of Norf gap be made soon possible. 9/9	
182167	3-13	Austin, Dr	Reports on test of Western Elec Co radio detector bulb; of lon er life than DeForest Audion. W To Wester Elec Co--Quotes report of test. 4/17

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RECEIVING AND SENDING SETS 898

Number.	Date.	From or To—	Subject.	
182182	3-11	M.Is	Conversion of 3 stage audion sets into single step detector; submits print showing proposed method; request authority to change installation in TBDS.W Fwd Wash--For comment and rec. 3/22 Bost fwds G.H.Clarke comments and prints 4/5 Fwd M.Is-- 4/10 RB 5/8 To--Asks auth for turning in apparatus.4/17	
M.Is 4-22 Fwd Wash-- 5/9 RB 5/23 M.Is submits data on 5-6 To M.Is--Auth changes in. 8/15				
182105	3/20	To Wash via S&A	Reqt shipment to Cavite of Hudson filament bulbs for use in connection with radio audion receiving apparatus	876
182527	3-22	Washn	Reports number of receivers manufactu ed during 1915. W.	
182622	3-20	NY	Recommends Bureau assign necessary detectors and telephones and receivers forall new installations.W To--Sets issed in future will be equipped with tele head setn and detector. 3/27 To Wash--Reqt sets be equipped when issued by yard. 3/27	
182710	3-24	DeForest Co	Special audion amplifier detectors; states recent approval changed frol 5000 to 1000 hours; gives reason for.	
182778	3-18	M.Is	Audion bulbs; states 50% of recent shipment have reversed grid and wing colored sleeves.W Fwd Wash-- For comment and report. 3/28	
182887	3-7	Marconi ~~Carnegie~~ Co	Special form of mercury interrupter sending set supplied with Pierce sets; request report; Yards forwards.W. To--Reqt detail of information desired.3/29 Marconi Co gives reasons for 3-31 To--Gives data on. 4/3	

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RECEIVING AND SENDING SETS.

1916

Number.	Date.	From or To—	Subject.
180277	1/21 2/28	Cavite S&A	Standard radio receiving sets, type IP76; stock exhausted; asks if to be furnished with additional. W Fwd S&A--Bu will make shipment. 3/4
180261	2-28	To NY.	Expedite completion of Mark VI radio wave changers and loading coils now under manuf. W To-- Letter should read "Mark VII" in lieu of Mark VI wave changers. 3/4
180262	2-28	To Wash.	Prepare reqn for 25 radio audion-ultraudion detectors similar to those purchased under contract #184. W
180392	1-20	Bur au Steandard	Relative to direction finder developed. W
180398	2-21	M.Is	Ultra audion bulbs; submits specns recommended for. W Fwd Wash-- For comment and rec. 3/7
5 180821	2-29	Great Lakes	Wireless relay and recorder submitted by Dr: Hall; reqt authority to test. To--Tests authorized. 3/6
180685	2/26 Fwd S&A-- 4/6 RB 4/29 To M.Is-- Gives assignment of receivers. 4/5 M.Is gives distribution of receivers	M Is	Receiver No. 21, originally assigned MAUMEE, is assigned Yerba Buena; No. 25, originally assigned Radio Laboratory, assigned MAUMEE. W To--Asks when rec'd and under what auth. 3/7 4-13 M.Is reqt copy letter be sent with material invoice 3-23
180649	2/29 Bost monthly report 5-12 Fwd Rad Ser-- 5/17 RB 5/20 To Bost--5/23	Dist Supt Bost	Report of test on Bellini-Tolsi direction finder conducted in connection with Cape Cod Station. W To Bost--Comments on. 3/15 Bost submits re ort 4-8 Fwd Dept Via Rad Ser-- 4/14 RB 4/20

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
180643	3/3	Emil J. Simon	Reqn 1194 for quenched spark gaps; relative to submission of sample set.W Fwd NY-- 3/7 RB 3/13 To--Will be necessary to submit samples.	3/7
180889	2-24	Washn	Radio receivers for first lot of 12 kw sets.W	
180892 VOID	3-2	Arlington	Request increase in money allotment.W	
180869	2-26	Stotz, Gunner C.C.	Fwds description of design arc relay Recommends adoption for all 15 and 30 kw stations; also reimbursement for patents.W Fwd Dept--Rec be auth to patent invention.	4/10
181330	3-10	DeForest Co	Quotes price $1000 for 6" bulb transmitter complete with ultra audion receiver. W To--Rect information in connection with proposed umdamped wave transmitter for submarines. 3/14 DeForest answers 3-29	
181329	3-10	DeForest Co	Quotes price $1000 for DCQ quenched spark transmitter submitted for test.W Fwd Wash--For comment and rec. 3/17 RB 4/18 To-Bu will repair transmitter. 5/9 To Wash--Retrun to CO after test. 5/9	
181408	3-11	Great Lakes	Dr R.E. Hall's wireless relay; fwds result of test and sketches. W	
181491	3-4	At Fleet Personal	Recommends Kolster direction finder be sent to WYOMING for test.W	
183342	3/20	San Juan	Fwds schedule of communication with TENNESSEE and reports trouble with ultra audion bulbs	835

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
178846	2-10	Clark, GH	Reports on audion bulbs turned in by New Orleans.W
179227	1-10	Cavite	Radio receiving sets; IP-III; reports stock exhausted. W Fwd S&A--Have reqtd shipment for stock.3/13 To Asiatic Flt--Have reqtd shipment of.3/13 To S&A--Reqt for shipment. 3/13
179240	2-16	To Atl Sub Flo. Pac Tor Flo.	SUBS; have reqtd shipment of radio audion receiving apparatus for; reqt report on after thorough trial. W To S&A--Reqt for shipment. 2/16
179339	2-16	DeForest Co	1500 Hydson filament bulbs; cannot proceed with order until delivery is completed on reqn 445.W.
179340	2-16	DeForest Co	Cont 184; 200 bulbs; claims payment for 187. W Fwd Wash Via S&A--Rec payment in full.2/21
179317	2/9	Pac Flt	Fwds suggestions ofGunner W.N.Fanning, for using different tones instead of dots and dashes for sending code messages; typewriter and duplicater, operations of shore stations 876
179472	2-18	To NY.	1-K.W. radio transmitter; fwds description of for use in connection with test of apparatus upon delivery. W
179639	2-10	M.Is	Fwds letter from B.M. Burgland quoting price and guarantying ability to refil unserviceable audionbulbs. W To--Submits requisition for. 2/25 M Is contract awarded F. B. Herrguth; will submit report when bulbs are returned, etc. 6/9

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RECEIVING And SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
179566	2/19	To BIRMINGHAM	Bellini-Tosi direction finding apparatus; asks disposition of	138-6
179638	2-11 To M.Is.--Receivers check with Bu record with exceptions. 10/4 To-- 6/7 To-- asks disposition 8/22 RB10/31 M.Is will submit later 8-31 M.Is fwds list 9-21 M Is 10/12	M.Is	I-P-76 receivers in store; recommends distribution to TORP Destroyers. W M.Is (T) request action 3-25 To--(T)Issue authorized. 3/25 To TRUXTON Via M.Is-- Auth turn one rec into store. 4/20 M.Is additional data 5-4	
179743	2-16 2-19	Ports S&A	Marconi receiver turned in by TENN; asks disposition.W Fwd S&A--Have retad shipment to Wash. 2/26 To S&A-- Reqt for shipment. 2/26	
179546	2/19	To Atl Flt	Fwds copy Notice to Mariners in which announcement is made of opening of Naval Radio Direction Finder Station at Cape Cod; Reqt Nav ships avail themselves of this station and report be made as to value of	802
179899	2-23	NY	Transmitter inductance coil; values of inductance; fwds report. W	
180196	2-11	M.Is	Request authority to manufacture special type detector for use on TBDS; submits plan W To-- Appvs. 3/1	
180176	2-25	Washington	1917 radio receivers; portable and special type; estimate for manufacturing. W To--Asks when est may be received.8/12/16 RB design in experimental stage; est in about 1 mo. 8/18	
180293	2/23 2/28	National E lec Sig Co NY	Receiver panels; relative to suitable material for.W To--3/7	

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RECEIVING AND SENDING SETS: 898

Number.	Date.	From or To—	Subject.
177732	1-26	DeForest Co	Reqt authority to test single bulb Oscillion telephone and telegraph transmitter at Washn laboratory in lieu of on a vessel. W Fwd Wash-- 2/7 To--Offers to test at Wash? 2/7 DeForest Co reports shipment 2-8
177717	12-6	Austin, DR	Reports on life test of audion bulbs. W
177849	2-1	NY	List of receiving sets shipped Washn W Fwd Wash-- 2/3 RB 2/8
		SEE CARD #65	At Flt installed on FLORIDA for test 5-9
178193	1/28 2/3 3/4	Dept Commerce Supt Radio Dept	Reports development of radio direction finder and states are prepared to demonstrate to Navy Department.W Fwd Dept-- Noted. 2/7 Interior 5-16 Dept Commerce Bu Standards will demonstrate 2-7 Fwd Rad Ser-- 2/12 To Dept--Re securing F.A.Kolster services.3/11 RB 4/21
		FA Kolster personal 3-20 To Dept-Commerce--Reqt loan of services of F.A.Kolster for experimental work in this connection.3/11 Kolster offers for $15,000 3-20 To Dept--Reqt enter contract for patent $15,000. 4/10	
178184	2-4	To S&A.	Reqt shipment automatic transmitting apparatus from Norf to Wash. W
178402	1-29	Pac Flt	Submits recommendations for connections for ultra audions.W
178393	1-30	AtnFlt	Radio direction finder; asks if one developed byBureau of Standards is satisfactory. W
178432	1-28	Robertson, CA	Offers to submit new wireless relay and recorder for test; invention of Dr RE Hall:W To--Will be tested at Arlington. 2/8 Robertson, reports result of test at Great Lakes 2-29
		To--Noted results test. 3/4	
178474	2-8	To Phila.	Radio direction finders; directs work be expedited. W Replies 2-15

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RECEIVING & SENDING SETS

Number.	Date.	From or To—	Subject.	
		(SEE BELOW)		
176597	1-18	Bunnell, J.H. Co	Fwds sample of new radio key with description. W	
Bunnell	fwds samp Jobe detector	To-1/31	Fwd NY--For comment and rec. 1/21 RB copy test 2/17	
stand	1-24	Fwd Wash--Fwds.1/31	To--Orders to test at NY, 1/21	
184	1/20	Washn	Ultra audions; reports rejection of 1st 13;	
			reqt instructions relative to testing of remainder	629
176597	2-19	See above.	To J.H.Bunnell; gives results of tests; unsuitable for naval use. W	
177158	1-25	Pfund, Richard	Quenched spark gap; reqt orders for.W	
	1-25	To S&A.	NSA Wash reqn 445 for 1500 Hudson filament bulbs for audion ultraudion detector; reqt change in specfns for. W-R	
177238	1-16	Buchholz, S	Rotary quenched spark gap; operatedby compressed air.W	
			To--Reqt description of. 2/21	
			Buchholz further 2/29	
			To--No desired for naval use. 3/3	
177236	1-19	Horner, W.H.	Fwds description of Multi-Audi-Fone used in connection with receiving both damped and un-damped waves.W	
177488	1-27	DeForest Co	Confirms understanding that one bulb in 100 to be picked for test in connection with reqn 445.W	
			Fwd S&A--2/1	
177642	1/31	Darien R	Last shipment 36 ultra audion bulbs, De-Forest, unsatis; reqt shipment 36 more.W	
			To--Return bulbs to Wash. 2/1	
			To S&A--Reqt shipment bulbs to Darien.2/1	
			Darien only 9 good bulbs in last shipt 2-10	
			Fwd Wash--For comment. 2/25	

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.	
	To PITTSBURGH--Ask if receiver Ba #W-92 is on board. 5/28			
174420	12-21	To S&A.	Reqt shipment of long range type of radio receviers to ships. WUSS PITTS-List of appw from S.Diego.	7/25/17 transferred
	S&A status of delivery of receiver to USS SAN DIEGO 4/21		T o--Directs trace shipt of receiver to M.Is. for SAN DIEGO. 4/12/17	
	Fwd SAN DIEGO--4/25 RB 5-14			
174548	12/20	Atl Flt	Reqt authority to transfer receiving sets ARKANSAS to NEW YORK, NEW YORK to TEXAS, TEXAS to ARKANSAS.W	
			To-- Transfer authoirzed. 12/24	
			To NEW YORK--Asks number and range of. 1/12	
			NEW YORK telefunken not recd 1-25	
174421	12-21	To Atl Flt.	Apparatus for receiving umdamped radio oscillations; instructions issued to issue to ships; gives alowance of untraudion bulbs. W	
174616	12/22	Wash	Recommends manufacture of loading coils for receivers at yard.W	
			To--Appvs est for. 1/12	
174604	12-23	To M.Is.	Reqt estimates for manuf of two 1/2 K.W. radio transmitters. W	
174607	12-23	To NY.	Authorizes yard to supply Federal Tel Co drawings of 20-KW. arc radio transmitters upon request; Bu has made reqn for. W	
174419	12-24	To S&A. SEE BELOW	Reqt shipment tikker radio detector to SCORPION. W RB 2/14--re fr ALBANY to STEWART.	
	To CAESAR Via S&A - Transfer detector to LEBANON. 1/6 RB 2/25		Reqt shipment to Olongapo. 12/27	
	TexMxIxx- Fwd S&A--2/15		/Fwd S&A--1/6 S&A fwds corres 2-15	
	RB 2/4--one ordered trfd from GLACIER		to JUSTIN, on hand M Is. RB (WASHINGTON) 2/25	
174915	12/27	C. A. Robertson	Wireless relay and recorder invented by R. E. Hall; states will make demonstration in New York within ten days.W	
			To--Offers to assist in. 12/30	
174419		SEE ABOVE.	Fwd S&A. 3/1 RB 5/16	
	To GLACIER--Asks disposition of tikker detectors. 3/4		To S&A--Reqt shipment motor tikker detector from Phila to Wash. 3/1	
	CINCINNATI none on board 2-7		S&A WASHN MAYRANT 3-2	
	GLACIER 3-13 CINCINNATI no record 4-7		Fwd S&A-- 3/4 To CINCINNATI--3/14	

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RECEIVING AND SENDING SETS: 898

Number.	Date.	From or To—	Subject.
175008	12-28	At Flt	Copy of circular letter to vessels of fleet giving allowance of ultra audion bulbs and instructions for use.W
175077	12-28	At Flt	Ultra audions; suggests that they be fitted with one knob for turning on and off bulb.W Fwd Wash-- For comment and rec. 1/4 Washn agrees with Bu suggestion 1-6 Fwd Atl Flt--I/ to RB 1/24
175081	12-20	Parker, JT	States ordinary Trunstol light responds to radio signals and can be used for receiving.W Fwd Wash-- 1/3 RB 1/8
			1916
175050	12/30/15	T Bost	North Truro; direction finder; directs further tests with a view to ascertaining accuracy for determining direction of passing ships 802
	12-31	To Asst Secy.	NSA Bu Regn 160-1916; for 5 20-K.W. radio sets; submists data on: Federal Tel Co. W-R
175344	?	Eason	Makes comparison between Navy(Cohen) primary and secondary coils, Wireless Specn I-P-76 receiver as used at Arlington.W.
176091	1-12	Solicitor	Form of proposed agreement with Dr. Cohen to purchase drawings of radio receiving apparatus.MW To--Fwds agreement.5/7
176419	1-10	M.Is	Audion bulbs; disposition of unserviceable; request authority to repair on Pacific Coast. W To--Cost appears excessive. 1/20
	To Plecher--Further.7/29		
176539	1-15	Plecher, A.	Plecher re patent number 9-16 telephone head-set, stated has model ready for test.W To--Apparatus not suitable.7/13 To--Asks number of patent. 1/25 Plecker offers to send transmitter 4-18 Washn reports on plecher 5-17

Plecher has fwded sample to Wash Y d 5/20
To--Offers to test. 4/25
To Wash--Transmitter will be fwd to yard for test. 4/25
Plecher states did not conduct proper test 6/20

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RECEIVING AND SENDING SETS. 1915

Number.	Date.	From or To—	Subject.	
173032	11-17	War Dept	~~Audion detector and amphili amplifier; asks advantages of.W~~ ~~To--(Secsfg)Gives advantages. 12/8~~	
173310	12-4	Clark, G.H.	Reports inspection of audion ultra audion cont 184.W	
173315	12-7	DeForest Co Qu	Quotes price and gives description of motor generator set for audions.W To--Comments on. 12/13	
173354	12-8	To Western Elec Co.	Gives results of test of head telephone set for radio receiving as compared with Bladwin telephone in service. W	
173411	12-9	To S&A.	Reqt shipment radio receiving set from NY to Wash. W	
173556	11-29	Pac Flt	M.Is type of quenched spark gap; reports on.W	
173557	11-29	Pac Flt	Audion bulb filaments; reports on successful repairs of those bruned out in service.W Fwd Wash-- 12/13 RB 12/16	
171363	11-16	TO Bost	Asks assignment of two 2 kw radio transmitting sets under cont 221	876
173751	12-13	To S&A.	Reqt shipment audion ultraudion decector with storage battery from Wash to ships.W To S&A reqt shipments from Wash to Radio Stations 12/15 TO S&A reqt shipment of appratus for BUSHNELL NEVADA. OKLAHOMA. NICHOLSON: WADSWORTH: CUSHING:ERICSSON: WINSLOW: MELVILLE: TUCKER To S&A--Reqt shipment to radio laboratories.12/17	
		To Ships--Notifies of assignment and shipment. 12/22 To S&A--Reqt for shipment to NEW YORK & COLORADO. 12/27 Washn reqt instructions, re shipt to Boston 1-14 Fwd S&A -1/18 RB 2/8 Fwd S&A - 2/10		

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
172438	12/13	NY	Reports in detail on difference silver and copper gaps; COLUMBIA	167-6
173625	12/10	Bost	Cape Cod Radio Sta; Bellini-Tosi direction finder; reports on	8 02
173887	12-8 12-11	NY Washn	Reqt 90 radio head gears for stock.W Fwd S&A -Rec be supplied by Wash. 12/17	
173910	11-26	Radio Laboratory	Reports on comparative test of Western Elec and Baldwin head telephone set.W	
173898	12/15	To Ports via S&A	Reqt shipment of radio receiving set, ex PADUCAH to Wash Yd, to be held for further disposition by Bu.W	
174254 M.Is ( ) 174326	12/18 replies 12/15	Headquarters, Marine Corps To M.Is-(T)Asks apparatus available 12/29 Atl Flt (P ersonal)	Reqt radio receiver and transmitting condenser for Nicaraugua.W To S&A--Reqt shipment 1/4/16 To NY-M.Is--(R) Aks if available. 12/20 NY (R) 12/23 M.Is recom receiver exUnalga 12-30 Direction finder; comments on.W	
174332	12-20	To Atl Flt.	Sample vacuum tube bulbs for use wirh radio ulthaudions; Western Elec Co will ship to WYOMING bulbs for trial. W	
174416	12-21	To Wash.	Reqt estimates for manufacture of radio receivers to be known as 1917 type. W	
174417	12-21	To Bost.	Report on radio direction finder; reqt copy of be mailed to Fleets. W Bost have mailed copies to 12-27	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
171705	11/19	To Phila	Director indicators for ships; auth experimental work with Bellini-Tosl receiver to provide means by which an enemy's approximate bearing can be ascertained.W
171944	11-19	To S&A.	Specfs for radio receiving apparatus; fwds for printing. W. RB 12/9 Fwd S&A-- Returns proof.12/11
171943	11-20	To NY.	Auth use of radio laboratory receiver by Western Electric Co in connection with tests of audion bulbs. W To--Will supply yard with audion-ultaudion detector for same purpose. 12/1 To Western Co--Instructions issued for use.12/1
172025	11/20	Phila	Rotary non-synchronous spark gap.W
172034	11-23	To NY.	Audibility meter; originally intended for SALEM; asks disposition of. W NY reports shipment Phila 11-30
172101	11-23	To Deforest RT&T Co.	Instruction pamphlets for use in connection with 100 audion ultraudion detectors; reqt delivery be expedited. W
172189	11-18	At Flt	Reqt investigation of of report that European countries using direction finder correct to within one degree. W To Atl Flt--12/20 To--Comments on 11/27
172150	11-24	Firth, John	Reports taking over agency for Baldwin head telephones.W To-- Ack receipt of. 11/26

At Flt recommends radio direction finder be installed on flag ship, BS squadron 12/7
WYO (R) will answer by letter 12-15
To Atl Flt (D) 12/14 At Flt recommends sending to Phila for improvement 12-15

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898 RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.	
172258	11-26	To Deforest WT& T Co.	Re acceptance tests of new conbination audion ultradion detectors in producing oscillations; asks if tickler coilsaare to be supplied with sets. W	
172476	11-29	To Western Elec Co.	State sample head telephone set recently tested at Bu Standards equals appvd type; ear pieces should be made larger. W	
172575	11-29	Washn	Long wave length receivers; ginal test completed Nov 24; work on drawings being expedited. W	
172607	11-30	DeForest Co	Audion and ultra audions; have changed connections for tickler; fwds revised instructions for use.W	
			To Wash--Fwds copy above. 12/1 RB 12/4	
DeForest print mailed;connectors to laboratory 12-3			To--Procedure satis. 12/1	
To Wash--Fwds above 12/6 RB 12/9				
To Wash Via S&A--Appvs manuf coils. 12/10			Washn reqt mfg Litz coils for 12-3	
172621	11/27	Bost	Cape Cod; estimate for permanent installation of Bellini-Tosi direction finder	802
172754	12-2	To NY.	Bellini-Tosie direction finder apparatus; reqt information as to present conditions of. W	
			NY reports 12-8	
To Atl Flt--Have reqtd shipment to BIRMINGHAM for experiments. 12/13			To S&A--Reqt shipment direction finder from NY to BIRMINGHAM. 12/11	
172755	12-2	To Pac Flt.	Audtion amplifier and storage batteries; asks assignment of. W	
			Pac Flt reports on 12-27	
			Fwd W.VIRGINIA--1/15 RB 1/28	
172860	12-3	To Wash.	Radio receivers; instructions re repairs to.W	
172864	12-3	To Deforest RT & T Co.,	Combined audtion-altraudion detectors; reqt oscillations be furnished with. W	
DeForest re supplying tickler coils 12-7 DeForest replies 12-4				
			To--Reqt winding of coils. 12/6	
To--(T) Officers to manuf coils at Wash yd. 12-9			DeForest; protests against amount charged 2-4	
			FWD Dept via S&A 3/7	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
170144	11-1	Lowenstein, F.	Rest not yet successful; additional tests Thursday.W
170172	11-2	Washn	Belleni-Tosi direction finder; special report on; fwds 2 copies with photos.W
170202	11-3	Clark, GH	Reports on operation of new type arc control key devised by Dr. L. Cohen.
170406	11-4	Lowenstein, F. T	Test of receiving set; reports on.W
170471	11-6	To S&A.	Reqt shipment relay keys from Wash to NY.W
170729	10-8	Nat Elec Sig Co	Revolving electrode realy key; have received from Washn; reqt comments on.W To--Report of test will be fwd at an early date.11/11
170779	11-6	Western Elec Co	Fwds head receivers for test by Bureau.W
170759	10-30	Holcombe, E.	Reqt loan of a receiving set.W Too--Unable to furnish.11/11
170942	11-10	Washn	Fwds special report on 20 watt audions.W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
171201	11-8	M. Is	Reqt supply of I-P-76, 1912 receivers for use on torpedo boats.W To--Will supply when available. 11/16 RB 3/21
171157	8-2	Clark, GH	Recommen s changes in design of combined detector and amplifier in future contracts.W
171158	~~8~~2 8-2	Clark, G.H.	Reports on test of Ultra audion returned from Chasn. W
171354	11-16	To Wash.	Radio long wave length receiver; reqt first lot of 10 be expedited. W
171293	11/3	Atl Flt	Standard wiring for receivers; fwds plans for ships fitted with two receivers. (Plans not received.)W To--Reqt plans refd to· 11/20 At Fleet fwds plans 11-29 To Wash--Submit est for manuf 24 standard rec switch panels· 12/7
	At Flt will forward another copy 11-26		
171545	10/26	Wash	Cohen receiver; fwds plans. (Not received.)W
171399	11/2	R. H. Hough	Compilation, curves, etc., in connection with his transmitter for secrecysending .W (For previous correspondence see 635-1) To--Comments on· 11/15 Hough fwds diagram 11-26 To--Under to experiment with·11/30
	Hough Further. 12/12 To Hough--1/19 Hough further 1-20		
171474	11-17	To S&A.	Reqt shipment radio receiver set from Phila to Wash for stock. W
171597	11-19	To S&A.	Reqt Wash Yd be designated supply yard for "EVERYREADY" dry batteries for audion apparatus. R S&A circular letter designating 12-4 S&A confliction in instruns relative to supply yard for dry batteries 1-17 To--M.Is designated 1/21

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RECEIVING AND SENDING SETS: 1915

Number.	Date.	From or To—	Subject.
166864	9/27	DeForest Co.	Recommends that life of 175 hours be considered minimum for ultra-audion bulbs.W To--Comments on. 10/5
167174	9/25	De Forest Co	Audion detectors; quotes price for ammeters; asks type of battery to be bid on; etc.W To--Instructions 10/5
167198	9/26	G. H. Clark	Submits estimate for repairing Bellini-Tosi direction finder.W To Wash--Appvs est for. 10/4
167021	9-30	To NY.	Asks disposition of radio receivers delivered under contract 350. W NY 3 sets in store for WYO, NY and San Juan 10-4 To S&A--Reqt for shipment. 10/5
167312	10-2	Fowler & Co	Wireless telegraph detectors.W Fwd Dept-- For rec. 10/9
167455	9-23	Wireless Spec App	New form silicon detector; fwds.W
167767	9-24	Aero	Fwds report from Naval Attache London stating that Zeppelins are guided by means of radio from 2 widely separated stations in Germany. DAW Fwd Aero--Comments on. 10/13 RB 11-12 Fwd Aero--11/15
167845	10-8	DeForest Co R	Reqt return of sketch submarine detector.W To-- Returns. 10/9
168173	10-13	To Wash.	Auth increase of wave length range for short wave radio receivers from 5,000 to 6,200 meters. W

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RECEICING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
168762	10-8	S&A	Fwds bill L. Siebold for duty and clearnace fees receiver shipped from Amsterdam.	
168685	10/18	To WORDEN via Chasn	Two radio receiving sets on board loaned by Chasn Yd; directs vessel turn onein at Chasn for shipment to Washn Yd	487-6
168639	7/26/14	Hooper, Lt. S. E.	Reports on Cooper-Hewitt receiver	882-3
168572	10/6	Crenshaw	Caimito; fwds report on crack in brass arc chamber transmitting set	851
168829	10/20	M Is	Reqt shipment of ultra audion bulbs to replace those sent Cordova	809
169322	10/22	Atl Flt	Copy of fleet circular relative to using ultra audion receivers for receiving from arc stations; fwds print showing connections.W	
169575	10-25	Clark, G.H.	Reports on test of combined detector submittrf by Wireless Spec.Co.W	
	To Wireless Spec Co--Have prepared reqn for sample submitted.		To Wireless Co--Test satis; reqt quotation on sets. 11/2	
			Wireless Co. quotes price $30.11-3	
169797	10/27	NY	Specns 16r1 for head gear for radio receivers; asks if any change desired.W	
	10/29	S&A	Fwd S&A--Will prepare reqn for. 11/3	
			To S&A-- Reqt for shipment. 11/3	
170151	10-27	M.Is	S&A Washn Yard distributing point for 11-13	
			Ultra audions; reqt stock of receiver condensers for use with.W	
			To--Have reqtd shipment of. 11/4	
			To S&A--Reqt for shipment. 11/4	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.
163563	8-16	Nat Elec Sig Co	New form relay keys; reqt results of test and return of apparatus. W To--Tests now being conducted.10/9 To Wash-- Fwds copy above. 10.9 Washn reports return of 11-4
164147	8-21	Washn	Ultra audion condensers for use as bridging condenser; submits estimate for mfg; Washm type recently tested shows only suitable one. W TO -- appvd 8-26
164122	8-21	Washn	Variable condenser for use with audion; reports on samples submitted by Various Mfgrs; Washn Yard only suitable one.W
164121	8-20	Washn	Reports return of a radio receiver for Nat Elec Sig Co. Was for test.W
164618	8-11	DeForest Co T	States combined 125 volt filter and filament on audion will work out on Navy light circuits
164996	9-2	DeForest Co	Audion; sample instruments ready for shipment 9-3. W
165091	8-30	M.Is	Reqt shipment of Ericsson buzzer from NY for use with receiving apparatus.W To--Have reqt'd shipment.9/7 To S&A--Reqt for shipment.9/7
165042	9-4	To Wash.	Reqt estimates for manuf of 50 frames for air condensers for use with ultraudion receiving apparatus. W

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
165645	9-11 9-11	Sirbeck, E. Chief Elecn FULTON	Submits sketch of connections in receiging set for receiving arc signals; reqt permission to publish for benefit of amateurs. Fwd Dept--Comments on. 9/16
165724	9-13	M.Is	Reqt shipment of audion bulbs for stock.W To--(T) Shipmnet made Sept. 9th.9/14
165921	9-13	Clark, GH	Reports on life test bulbs. W
166317	6/8	Clark, G.H.	Reports on test of head telephone sets submitted under Schedule 6709. W
#10	9-23	To Pug Sd.	Radio receiving set; survey #10; reqt further information on. W-Y
166661	9/12 9/20	Davis,H.E.C.,Maj.,USMC Atl.Flt.	States interned German vessel at Guam was able to determine direction of radio signals, also nationality of senders; unable to report whether direction finder used.W To Rad Ser--Comments on. 9/27
166697	9/24	DeForest Co.	Submits price for no-voltage motor generator for use with audion set. W
166676	9/23	Wireless Spec.Ap.Co.	Fwds new form of detector for test. W To--Will make test of. 9/25

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RECEIVING AND SENDING SETS: 1915

Number.	Date.	From or To—	Subject.	
162188	7-31	To S&A.	Reqt shipment of audibility box from Wash to Bost for radio labratory. W	
162093	7/30	To Ships-Yds	Ultra-audion; have requested shipment of from Wash	876
162415	8/2	De Forest Co	Have shipped samples RJ5,audion detectors.W	
162311	8-3	To Yards.	Wave changers and audion apparatus for spark radio transmitters; comments on re supplying. W	
~~162433~~	~~8-3~~	~~To NY-Pug Sd-Mxis.~~		
162433	8-3	To S&A.	Reqt shipment of 20 watt generators audion sets for radio laboratories from Wash to NY-M.Is-Pug Sd- Bu Standards. W To--Reqt shipment be cancelled· 11/18	
162445	8/2	Norf	Development of a quenched spark gap used in hydrogen; recommends be not attempted at that yard.W To--Will not be undertaken at Yd.8/6	
162490	8/3	Wash	Reqt authority to manf.coils for Bu Standards and Naval Radio laboratory.W To-- Appvs.8/6	
162507	8/4	Crenshaw R	Caimito; Western Elec receiver many times better than Austin's; Co reqt authority to leave set	851
162546	8/3	Bost	Recommendations for changes in design of combined detector and amplifier.W	
163862	8/17	De Forest Co	Ultra audion; desirable to substitute ship's circuit for storage battery.W	

CANCEL THIS ENTRY: ENTERED ON OTHER SIDE OF CARD

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Number.	Date.	From or To—	Subject.
162681	7/12	Bu. Standards	Reports on test of telephones.W
162678	6/18	Bu Standards	Reports on results of test of the quenched arc, arc, and quenched spark; test carried on between Wash Yd and U.S.S. LEBANON.W (Cross to Wash Yd Radio)
163009	8-9	To E.H.Armstrong.	"Feed back" circuit for radio receiver amplifying apparatus; asks what method of procedure should be followed in order to procure use of this circuit for Naval Use.W Replies will call 8-16 To - re appointment 8-18
163343	8-12	Washn	Estimate for manufacture variable condensers for audion and ultra audion app.W
163368	8-9	Baldwin, N.	Telephone head sets; made arrg with John Firth as selling Agent; will deal thru hime of direct with Bu. W To - present arrg. satisfactory 8-14
163554	8-13	Phila	Radio direction finder; experiments with; fwds report on.W.
163862	8/17	De Forest Co	Ultra audion; desirable to substitute ship's circuit for storage battery.W To 8/20
163861	8/16	De Forest Co	Relative to changing IP76 and other tuners to operate with arc audion without bridging condenser.W Fwd NY--To Co 8/20 RB 9/11
163563	8-18	To Washn. & NESCO/	Return of radio ralayW NES Co reqt action 10-5

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RECEIVING AND SENDING SETS: 1915

Number.	Date.	From or To—	Subject.
160415	7-13	To Ainsworth, C.D.	Reqt data on electric wave detector which is claimed to be superior in some respects to the audion detector. W Ainsworth still an experiment 7-16
~~165~~xx			
160650	7-15	To NY.	Low resistance loading coils for use with continuous oscillation radio transmitters; reqt be investigated. W NY recommends 5 issued to NY and remain ng be issued to laboratory no charge 7-22 To--Instructions. 8/3
160651	7-15	To M.Is.	Reqt estimates for manuf of six arc type radio transmitter 15-K.W. complete. W
160795	7-16	Marine Corps	Reqt literature on audion receivers.W TO -- fwds 8-25
161017	7-17	Washn	DeForrest quenched arc transmitter; reports on test of; recommends purchase as experiment.W
161018	7-17	Washn	Reports test of DeForrest filter for use with audion type detector. W
161035	7-16	Washn	~~Recem~~- Reports shipment of one type AA Cohen receiver to M.Is. W
161119	7-20	DeForest Co.	R.J.V detector; delivered to Mr. Clark; fitted with inferior battery; recommends Navy adopt better type. W Fwd Wash--Submit report on tests of.7/22 To--Bu will test other type of battery referrd to. 7/22 Co--will express another 7/23 Fwd Wash-- 7/28 To--Reqt price of 50 audion detectors.7/28

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
161426	7-22	VESTAL	Ultra audion receiver; reqt print showing manner of connecting. W TO -- fwds 8-25	
161501	7/24	Richard Pfund	Quenched spark gap with metal spacing washers; calls attention to; fwds sketch. W To--Will give consideration. 7/27	
161508	7/24	SAN FRANCISCO	Reqt blue print of ultra audion receiver. W TO -- fwds 8-25	
161633	7/12	Bu. Standards	Reports on test of National Elec Signal Co's. receiver. W (Copy)	
161778	7-28	To S&A.	Reqt shipment of Coehn receiving sets from Wash to yards for ships. W Wash 7/31	
161986	7-28	To NY. (R)	Shipment reqtd to Bost radio apparatus now on MAYRANT. W	876
162002	7-28	To Wash.	Rebuilding of 3-step radio amplifiers; report practicability of making. W	
162092	7/29	De Forrest Radio Co	States are shipping to G. H. Clark one 20 watt oscillator; reqt investigation. W Fwd Wash-- 8/3 To--Comments on. 8/3	
162114	7/27	G. H. Clark	Recommendations relative to change of 12 volt ultra audion detector stands to 6 volt type. W To Wash--authorized 8/13	
162166	7/26	Kilbourne & Clark Co	Radio telegraph transmitter; have developed new style; reqt test. W To--Will arrange for test of. 8/3 To Pug Sd-- Re test of. 8/3	
162367	7/29	G. H. Clark	Reports on test of De Forest audion, type RJ5, storage battery. W	

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RECEIVING & SENDING SETS 1915

Number.	Date.	From or To—	Subject.	
157139	6-7	Phila	Reqt new type audion detector for use expert radio aide. W To--Will isue when rec'd under present contract/ 6/15	
157117	6-7	Phila	Relative to expert radio aides instructing radio men on board ship on the uses of new audion detectors and receivers.W To--Ack receipt of. 6/16 To Ships & Yards--Instructions for operators may be had by Expert Radio Aids at Yds.6/25	
157360	6-10	NY	Marconi receivers; fwds sample of wire proposed for coupling bands; believe will be satis. W To--Satisfactory to Bu. 6/29	
263	6-10	NY	Telephone head sets; reqt copy of test on sample submitted with bid	629
157442	6-9	Key West	Average life of bulbs, ultra audion, received less than 96 hours	817
157388	6-12	TO Yards & Pac Coast Radio Supts	Equipment for medium powered radio stations for simultaneous sending and receiving	876
158085	6-15	Bost	Reqt authority to give A.G.Carlson report on test of his detector. W To-- Appvs. 6/19	
158237	6-16 To-- 6/22	NY	Duplicate receiver relay keys; received with Marconi sets cont 21507; will not be required with original sets; recommends be issued to Yard radio set, and some ship for observation.W To-WYOMING--Reqtreport on operation.6/22	
158588	6-17	Firth, John	Personal letter to Austin; Danish Govn finds I-P-76 receivers better than Cohen; reqt return of sample head phone.W	

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Number.	Date.	From or To—	Subject.	
158985	6-26	To Fritz Lowenstein.	Transmitter for use in connection with an ordinary ship antenna for distances not over ten miles; reqt data on. W Lowenstein 7-2 Fwd NY-- Take up with Lowenstein. 7/6 RB To--NY will take up. 7/6	7/22
159435	6-26 7-1	At Flt Dept	Radio direction finder; stratigical problem emphasizes need of securing. W Fwd Dept--Comments on. 7/3 To Phila--Reqt Yd conduct experiments on. 7/6	
159466	6-27 Supt Radio 629	Hazelton, G.	Secrecy sender. To--Reqt detailed information on. 7/13	
159584	7-2	Nat Elec Sig Co	Reqt results of test of new receiving outfit with single variable tuner. W To--Comments on tests of. 7/17 Nat E S Co. comments 8-30 To-- Ack receipt of. 8/31	
159867	7-6	Rawls, P.C.	Rest test of high frequency oscillator detector. W To--Will arrange for test of. 7/12	
159790	7/7	To Bost	CAPE COD; report of progress ofwork on radio direction finding apparatus; reqt outline and status of	802
160092	7-9	To Wash.	Asks probable date of delivery of second lot of Cohen radio receivers under manuf at Yd. W	
160503	7-13	De Forest Co	Submits prints of wiring diagrams audion detectors, and amplifiers. W To--Ack receipt of. 7/16	
160328	7-13	To Firms. To Manhattan gives data information re cases 8-14	Reqt estimates for supplying small variable condensers for use in connection with radio ultraudions. W To Wash--Ditto. 7/13 Clapp Eastham 7-17 Musdock, W.H. Co 7-15, Electro Imp Co 7-16 Manhattan Elec Sup Co 7/22 Bost estimate 7/29 Wash submits estimate for manufactuning variable condenser 8/6 T	

Manhattan Elec Sup quotes prices 8/18

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Number.	Date.	From or To—	Subject.
153010	4-22	To Wash.	Manufacture of Cohen radio receivers; asks status of manuf on long and short range. Washn cannot make for 10,000 4-26
153463	4-22 4-27	Baldwin, Nat. S&A	30 more sets will be ready in few days; can arrange to supply 20 additional.W Fwd S&A-- 4/29
153793	4-30	Wireless Spec App Co.	Offers 50 to 100 minature receiving sets for $50- $89.50 each.W To--Will not purchase at present. 5/5
154073	5-4	DeForest Co.	Ultra audion detectors used used with one step amplifiers; copies of instructions.W To--Comments on instructions for.5/25
154248	5-10	To Yards-Ships.	Ultraudion; fwds report on prepared by Naval Laboratory, Bu Standards. W ORION reqt copy 8/2 TO ORION 8-25 Newport certain pages of circular missing 7/13
155490	5/19	Richard Pfund	Reqt orders for his spark gaps.W
155614	5/14	De Forrest T&T Co	Audion amplifiers and ultra audion receivers; states have developed system whereby can do away with B batteries and substitute for them any 110 volt source.W To--Will make test of at Wash Yd if desired. 6/5
155793	5-24	Wireless Spec Co.	50 detectors type I-P-155; mfgd and ready for delivery; asks orders.W To--Contemplate purchase near future.5/26

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
155982	5-26	M. Is T	Unable to purchase ultra audion bulbs for less than $5.00; reqt be shipped from Eastern Yard.W	
	To S&A-- Reqt for shipment. 5/27		To--(R) Will be shipped from Wsh. 5/27	
155941	5-26	To Chas.	Radio detector stands; reqt be investiagted with a view to developing a standard detector stand for adoption by Naval Service.W	
156040	5-25	Washn 29	28 type A Navy receivers; reqt approval of additional estimate for adding extra coil to pick up circuit.W	
			To--Appvs. 6/4	
155990	5-21	Supt Radio	Location of vessels by radio; recommends Development of reliable form of direction finder. W	
			Fwd Dept-- 6/2 (See 148933-898).	
153731	4-30	To Yards.	Ultra audion; fwds instructions for using.	876
156279	5-27	Clark, G.H.	Cohen receiver; M. Is reports unfavorable on failure to eliminate interference; recommends At Flt and other yards make reports on.W	
			Fwd Atl Flt-- 6/3	
156499	6-2	DeForest Co	Quotes price of $745 for combined audion and untra audion detector.W	
			To--Do not desire to purchase. 7/21	
156606	6-3	Taylor, F.J.	Reqt investigation of an attachmen for transmitting and receiving sets to insure secrecy. W	
	To--Take up with NY re test of: 6/25 Taylor 6-25 To--6/30		Fwd NY-- Fwds copy reply. 6/25 RB 8/13	
156906	6-5	At Flt	Navy type receiver type A; supplemental report on.W	

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RECEIVING AND SENDING SETS. 1915

Number.	Date.	From or To—	Subject.
150476	3-15 3-23	Rousen, Ensign, H.H. Navgn	Fwds print of a new radio rig for receiving. W for cutting out interference.W
150654	3-20	Clark, G.H.	New type sending key for arc control; designed by Fed Tel Co for ships use.W.
150650	3-19	Clark, G.H.	Reports on test of Coehn type A short wave receiver. W
150635	3-25	Clark, G.H.	Ultra audion and amplifier, Radio T&T Co. recommends changes and improvements. W.
150701	3-1 3-19	CONNECTICUT At Fit	Navy Radio receiver type A; reports on test of. W To-- Ack receipt of· 5/29
150744	3-10	E.Cote	Receiver operating without antennae or grounded wires; sketches. W To-- Reqt plans or description of· 3/29
150829	3-26	NY	Prelim test of Nat. Elec.Sig. Co. variable receivers.W
150885	3-29	Lee DeForest T	~~2 kw arc type shipped Friday; can arrange~~ test with Clark on Wednesday.W To--(T) Clark will be ready Wed. 3/29
150877	3-27	Pfund, R.	Spark gap; reqltive to apparatus bid on reqn 225.W

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
150945	3-20	At Flt	Navy Receiver type A; reports on rest.W To--Ack receipt of. 5/29
150927	3-29	DeForest	Relative to test of 2 step combined with one step for ultra audion.W
151182	3-27	Pac Flt	Reports receipt of Coehn radio receiver.W
152 003	4/8	NY 1534-809	Radio transmitters, new type National Electric Signalling Co; fwds transmitter of; recommends new fixtures be given no weight in considering awards on schedule 8028.W
152107	4-5	M.Is	Bureau type of radio receiver; fwds reports from operator at San Diego; favorable.W
152261	3-17 4-13	Recruiting Station, Des Moines Supt Radio	Rawls radio detactor and condenser; reports on. W. To--Returns with comment. 6/2
152287	4-14	To NY.	Remodeling of Garwood radio transmitting sets; reqt recommendations on. W NY recommendations 4-26 NY re practicability of repairing 5-12
152845	4-19	Phila	Reports on experimental work with Ultra audion detector and receiver. W
152905	4-21	To S&A.	Reqt shipment 20 Baldwin head telephone sets to NY. 4/21

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RECEIVING AND SENDING SETS. 1915

Number.	Date.	From or To—	Subject.
148933	2-24	At Flt	Quotes from Log of Glasgow showing that British Squadron was able to tell direction of German Fleet at Faulkland Islands; thru radio messages; reqt direction finder for At Flt.W Orig thru Dept. 3/10 Fwd Dept--Comments on. 3/12 RB 4/24--conducting expers. To--Re radio direction finders. 4/6 Fwd Dept-- Noted, 4/27
149014	3-6	NY	Audion apparatus; states 35 Hudson bulbs shipped Guantanamo in lieu of M.Is as originally repotted; also reports on issues to TENNESSEE.W
149024	3-5	Phila	Reqt instructions relative to repairing I-P-111 receiving set. W. To--Prepare recm for repairs. 3/8
149116	3-8	Clark, G.H. T	Washington Yard design arc relay key; Fuller recommends certain changes in.W. Orig Fwd Wash-- Re changes in. 3/11 Washn changes involve no ad expense 3-18
149313	3-10	Washn	Cohen receivers; states cost exceeded original estimate of $750. Submits estimate for mfg next 24 sets.W
149505	3-12	Hancom T	Reqt b/p of Cohen receiver, wave changers, etc.W To Wash-- Reqt prints be furnished. 3/13 Washn prints being revised 3-17 To M.Is--Will be mailed from Wash. 3/26
149495	3-11	Wireless Imp Co.	Reqt their name be placed on list for furnishing 5 kw wuenched spark gaps.W Fwd NY-- For comment. 3/12 To-- 3/12 To S&A-- Reqt name be placed on list.3/12 rb 316

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898 RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
149683	3-15	To M.Is.	Development of hydrogen cooled quenched spark gap; reqt yard take up question of.W	
149713	3-15	To NY.	Marconi radio receivers; improved spare parts for; reqt tests made of steel band which changes the coupling in receivers·W	
149821	3-16	To S&A.	Reqt for shipment of bakelite dielectro from NY to M.Is. W	
150013	3-15 3-17	Crowley, G.M. Supt Radio	New type detector.W To-- No need of apparatus. 3/24	
149429	3-18	To Norf.	Authorizes yard to manuf spark gaps· W	903
150340	3-3 3-15	RHODE ISLAND: At Flt	Directions finders; fwds wiring diagram proposed; re ommends installation. W	
150335	3-17 3-22	Recruiting Sta., Des Moines; Supt Radio	P.C. Rawls; reports on radio detecting dondenser; overcomes vibration.W	
150435	3-22	Washn	Recommends that order for 50 sets type A Cohen radio received be issued at this time in order to make use of special tools.W Fwd Wash Via S&A-- Comments on· 3/29	
150398	3-19	Phila 6000-357	Experimental work; ultra audion detector and receiver. Suggestions.W	

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RECEIVING AND SENDING SETS. 1915

Number.	Date.	From or To—	Subject.	
146633	2-6	Washn	Cohen receiver; status of mfg; improvements, in design suggested,etc. Fwds efficiency curve showing results with solid and Litz-Endraft wire. W. To--Appvs modi suggested. 2/18	
146838	2-4	NY 809-30	Fwds elementary wiring diagram of power circuits for quenched spark transmitters.W To--Rect print as suggested be fwd to various yards for comment. 4/13	
147081	2-9	NY 809-32	Estimate for adapters for detectors; fwds sketches.W	
147565	2-13	Baldwin, N.	Order completed with exception of one set; Asks re future orders; also for return of any instruments which have proven defective. W To--States sets satisfactory. 2/25	
146486	2-17	To Richard Pfund.	New type of spark gap supplied Arlington station;state no prospect of purchase of extra gaps in near future. W Pfund asks if test satis 2-15 Fwd Rad Ser-- For comment. 3/26 RB 4/2--very commendatory. To--State test satis. 4/3	
148118	2-12	At Flt	Navy Receiver type A; reports on.W Fwd Wash-- Comments on 3/13	
148149	2-24	NY	Audion amplifiers; submits report showing issues of material delivered on cont 336.W To--Asks if certain shipments have been made. 3/1	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
148580	3-2	Phila	Reports on experimental work with ultra-audion detectors and receiver for same. W Fwd S&A-- Re shipment of· 3/4
148581	3-2	Phila	Cohen receiver; reports non receipt of.W Fwd Wash-- 3/4 To--Will ship latter part of Mch. 3/12
148575	3-2	DeForest Co	one and two step emplifier; reports shipment to Washn. W
148758	3-3	Nat Elec Sig Co.	Submits new form of relay key for use with spark gap sets.W To--Will be test in near future· 3/9
148771	3-3	National Elec Sig Co.	Additional data relative to sample single variable receiving set under test NY Yd.W. To--Will gives feulsts of test when rec'd·3/9 To Wash-- Re test of· 3/10 RB 3/31 Washn report receipt from NY -3-27
148847	3-3	NY	Reports receipt of single vaaiable receiver from National Elec Sig Co. Recommends complete test of at Washn Yd.W To--Have reqtd shipment of to Wash· 3/9 To S&A-- Reqt for shipment· 3/9
148922	3-5	DeForest T&T Co·	States sample ultra audion is made of peak wood as suggested by Mr Clark; asks probable requirements. W To-- Comments on. 3/9 Co comments 3-13 Co recom 2 stepm3-12
148923	3-5	De Forest Co.	Will print instructions for use of ultra audions as soon as order is received from navy for instruments.W

RECEIVING AND SENDING SETS. 1915

Number.	Date.	From or To—	Subject.	
143673	1-4	VERMONT	Lowenstein relay key; defects in mfg.W Fwd NY-- For comment 1/7 To-- Ack receipt of 1/7 Fwd CO-- 1/20	
143894	1-5 1-7	Clark, G.H. Washn	Ultra Audion detector cabinets; suggestions for wiring of.W To DeForest RT&T Co--Fwds copy report; reqt quotations on. 1/9	
DeForest will proceed 1-12				
143856	12/18	PATUXENT	Refuses to accept telephone head set of Baldwin type; asks for Wireless Specialty	336-6
143969	1-8	To NY	Have reqtd shipment of receivers from NY to Olongapo W To Olongapo-- Ditto. 1/8 To S&A-- Reqt for shipment. 1/8	
144125	1-9	DeForest Co.	Undamped wave transmitting sets; 1 and 2 kw sizes; gives description of.W Fwd Wash -- Gives Bu's reply. 1/21 To--Req. set be delivered Wash Yd for test. 1/21	
Wash 1/23--returns DeForest Co's letter of 1/9. DeForest will ship to Washn 1-28				
144276	12-8	DeForest Co	Oscilating audion; reqt Bu return one copy of instructions for operating.W Co reqt action 1-19 To-- Returns. 1/23 Co returns 1-29	
144287	1-11	At Flt	New type radio receiving set; have transferred from NEW YORK to WYOMING for test.W	
144561	1-15	Wireless App Co.	Fwds corres with Boston quoting prices for crystals and metals for detectors. W. Fwd Bost-- 1/21 To--Matter taken up with Bost. 1/21	
Fwd Bost-- 2/5				
144929	1-19	To NY.	Have reqtd shipment of 1-P-76 receiver to from Chas. W To S&A-- Reqt shipment. 1/19	

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Number.	Date.	From or To—	Subject.	
145212	12-16	Cavite	Reports disposition made of receiving sets and number in store.W Fwd S&A-- Noted. 1/23	
145220	1-22	To Pac Flt.	Have rectd shipment from Wash to the SAN DIEGO of Cohen receiving set; rect report on when conclusive results can be drawn. W To M.Is-- Ditto for radio station. 1/22 To Phila-- Ditto. 1/22 Fwd Wash--Notifies of rect for shipment. 1/22 To S&A-- Rect for shipment. 1/22 M.Is 3-4 To M.Is--Was shipped 2/26. 3/12	
145529	1-25	Cohen, L.	Wireless receiver; fwds print and submits bill covering patent rights. W. Fwd S&A-- For settlement. 2/1	
145639	1-27	Dept 8246-205	Copy of agreement with Dr.L. Cohen for purchase of drawings and patent rights for his receiver. W.	
145847	1-29	Cohen, L.	Fwds sketch showing application of apparatus covering his patent for transmitting and receiving apparatus; completes drawings required by agreement. W.	
145979	1-14 1-23	Wireless Spec App Co. Bost	Crystals for use in overhauling radio receiving sets; Wireless Co refuses to quote.W Fwd Mass-- 2/5	
146218	2-3	To NY	Have rectd shipment of 20 head telephone sets to yard from Wash. W to S&A-- Rect for shipment. 2/3	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
140027	11-18	Phila	Reqt authority to do experimental work on receiver and detector circuits for ultra-audion. W To--Authority granted with instruction. 11/21 Fwd Wash--Appvs shipment of. 12/11 To--Have reqd shipment of. 12/11 To S&A--Reqt shipment Wash to Phila. 12/11	
140296	11-23	To Wash.	Instructions re receiving sets under manufacture. W Fwd Wash--Appvs changes in designs. 12/23	
140365	11-23	Sweet, Lt Comdr T	Ultra audion delivered are not wired according to Bureau prints. W To M.Is-- (W) Instructions. 11/24	
140650	11-19 11-27	Carlson, A.G. Dept	New radio detector. W. To Bost--Instructions. 12/5 To Carlson-- Will test at Bost. 12/5 To Bost--Instructions. 1/11	
	Chadbourne reports on 1-7			
140800	11/30	NY	Radio motor generators for 10 and 5 kw sets; submits estimates for manufacture, including racks, transformers, switches, insulators	882-3
141198	12-1	Baldwin, Nat.	Can now mfg 30 telephone sets per month; unable to secure supply for stock due to large number of orders. W To-- Ack receipt. 12/7	
141689	12-9	DeForrest Radio T&T Co.	Ultra audion; wiring diagrams of wave oscillator; fwds print. W	
141727	12-5	Lowenstein, F.	Transmitter condenser developed by Signal Corps; reqt Navy procure permission to use W	

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RECEIVING AND SENDING SETS: 898

Number.	Date.	From or To—	Subject.
141873	12-12	Washn	Cohen receiving set; ~~sub~~ states Litzendraht wire is required for primary loading coils; will increase cost $25. per set. W To--Appvs modi proposed. 12/14
141818	12-11	To Yards & Ships. CL	Disposition of unservicable audition amplifier bulbs; all bulbs unfit for use to be shipped to Wash Yd. W To SARATOGA & VESTAL--,Ditto.12/15 To Phila--Fwds copies of corres. 12/18 Asiatic Flet reqt copy f letter10-27 3-26
141985	12-12	Stromberg, Carolson Tel Co	Radio head sets; fwds description of, cuts,etc.W
142059	12-15	Clark, G.H.	Bellini-Tosi direction finder; prelim report on; instrument to be used at Cape Cod. W. Fwd Bost-- 12/16 RB 12/3
141996	12-10	Beardsley, C.T.	Audion amplifiers; reqt data on.W. To--Not available. 12/18 Beardsly reqt action 12-19 To-- 12/24
142546	12-19	Lenz, C.A.	Fwds sample of crystal rectifier for radio receiving sets.W. To--Samples will be tested. 12/24 Lenz fwds samples 3-5 To-- Ack receipt of sample. 3/12
142827	12-11 12-22	Walsh, Hon. A.B. Dept	Fwds letter from C.A. Malloy requesting Dept investigate a detector. W. To--(Secy's sig)Comments. 12/29
142723	12-22	To Wash.	Asks if certain apparatus have passed acceptance tests. To 12 30 Fwd Wash--Take matter up with contr's. 1/2
	Fwd Wash--Fwds bill of DeForest Co-- 1/16		
143035	12-26	To NY	Spare spark gaps for fleet during cruise to California; reqt issue of. W NY lists those available 1-5

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RECEIVING & SENDING SETS:

Number.	Date.	From or To—	Subject.
135352	9-30	To Comdt's & CO's.	Fwds copy of report of G.H.Clark concerning Audion type radio rec apparatus for their information. W SAN FRAN reqt copy 12-17 To San Fran-- Fwds. 12/23
135949	10-2	Erisccon Mfg.Co	High frequency buzzer; asks what type required by Navy Dept.W To-- Gives information. 11/14
Bu #105	106	Fwd Dept.	NSA Bu #105/1915 for 200 telephone head set for radio, complete, at $11 each. competition waived in favor Wireless Specialty Apparatus Co. W-R
136697	10-13	M.Is	Reqt authority to issue receiving set and detector to YORKTOWN AND WEST VIRGINIA.W To S&A-- Reqt shipment from NY to W Va. 10/14 To--Instructions. 10/14 Fwd S&A-- 10/21
136687	10-12	To Wash.	Notifies of inspection of audion material to be held at yard.
137263	10-15	Plecher, A.	Reqt investiation of new telephone head receiver. W To--Pleased to test any device care to submit. 10/21
137378	10-15	Tuska, C.L.	Asks if Bu can supply piece of silicon arsenic for making test with Audion amplifier.W To-- Not available. 10/21
139668	11-13	NY	States stock of Baldwin head telephone receivers exhausted; require 40 for immediate delivery. W To--Have reqtd shipment of 6 from Wash.11/23 To S&A-- Reqt shipment. 11/23 To--Have reqtd shipment of telephones from Wash. 12/12 Fwd S&A--5/11 Fwd S&A-- Disappvs reqn 1496 for. 12/12 To S&A-- Reqt shipment. 12/12 Fwd S&A--4/29

NY renew reqt for head tel set 3-19
Fwd Dept--Req reqn for be inc. 3/25
RB 3/29--Dept has no record of reqn.
NY gives reasons for reqn for Pickard receiver 12-18
Fwd S&A-- Rec reqn call for 80 instead of 30. 3/30 RB 4/9
Fwd Dept-- 4/10 RB 4/21--authorizes increase from 100 sets to 110.

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898 RECEIVING & SENDING SETS:

Number.	Date.	From or To—	Subject.
898			
137694	10-27	To Yards, Ships; M.Is.	Ultraudion detector; notifies of shipment and gives instructions for use. To S&A-- Reqt shippment. 10/27 To Honolulu--Instructions for experimental work with receiving from Tuck. 11/3 M.Is copy of letter re secrecy 11-6
	BIRMINGHAM eeqt copy1-12 To BIR-- Fwds. 1/16		
138485	10-27	Baldwin, Nat.	Will have new shop equipped first of year; can supply 30 sets in 30 days. W To-- Acknowledges. 11/3
138406	10-31	To DeForest R.T.& T Co	Ultraudion apparatus purchased under NSA Bu reqn 344, contract 313; no "full wiring diagrams" ere supplied; reqt be fwd to Wash Yd. W Deforest will bring wiring diagrams 11-16
138498	10-26	Plecher, A.	Telephone receiver; fwds drawing and patent description. W To-- Comments. 11/10
138690 VOID	11-4	Exp.Sta TEST	
139364	9/30 11/10	Cavite S&A	Fwds copy of store invoice covering 16 audion amplifiers; asks for what use intended. W Fwd S&A--Should be issued to Radio Station, Cavite. 11/17
139346	11/2	Atl Torp Flo	Reqt telegraph senders and keys for TBDS. W To Via C-in-C--Additions to allowance. 11/13 To S&A--Reqt purchase of 100 Morse Telegraph sounders. 11/13
139519	11-13	Austin, Dr.L.W.	Improved oscillating audion receiving apparatus. W To Yards & Ships--Quotes report. 12/5

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RECEIVING & SENDING SETS. 1914

Number.	Date.	From or To—	Subject.
133775	9-4	Firth, John	offers 12 sets of Dr. Cohen's new type receiving sets at $295. W
133807	9-4	Wireless Spec App Co/	Offers 50 sets, I-P-76, series 1912 $272 each; series 1914 $390. W future orders 33-1/3% higher. W TO -- will purchase 1912 type 9-8
134039	9-9	To Radio T&T Co.	Audion detector - make early shpt under Reqs. 344 to Washn. Yd. Radio T&T Co status of shipments 9-10
134545	9-12	NY RB from NY 10/26	Radio receivers in store; reqt authority to repair. D To-- Appvd. Bu ~~will~~ has submitted reqn NSA 82 for purchase of material. rb 10 7 Fwd NY-- 10/8 NY replies 10-13 To- 10/16
134600	7-21	Asiatic Flt	Copy of circular letter with directions for care of Audion emplifiers bulbs. W
134740	9-17	To NY (R)	Quote inform Hill pfund gap after three days use showed white silver surfaces but later turned dark due to fibre insulation; test of gap at Arlington means little.
134995	9-22	To NY	Bu has submitted reqn (#82) for 15-1-P-76 radio recivers to be delivered at NY; instruction re shipment to vessels. W To CO CUMMINGS-- Shipment reqt from NY of radio receiver. 9/22 To S&A-- Shipping instructions req. 9/22 To M.Is--Auth installation. 1/25

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RECEIVING & SENDING SET. 898

Number.	Date.	From or To—	Subject.
135077	9-22	Austin, Dr. L.W.	Reports on new type telephone head set submitted by Wireless Spec App. Co.W To Wireless Co.-- Reports results of test.9/23 Wireless To 9-24
135310	9/25	Radio T & T Co	Fwds samples of labels used on cartons containg bulbs .W To-- Appvs. 9/26
135288	9/25	Radio T & TCo	De Forrest Ultra Audion detectors and receiving apparatus; fwds copies of directions for operating.W To-- Ack receipt of. 9/26
135265	9-25	To Radio T&T Co.	Req expedite delivery of material called for on NSA Bu reqn #344-1914. W Co replies 9-28
135267	9-25	To NY	Bu has reqt shipment of radio material from NY to Boston. To S&A-- Instructions.9/25 To NY-- Shipment to Phila. To S&A--9/25 To Phila-- Instructions. 9/25 To Bost-- Instructions. 9/25 To Bd I&S-- 10/1__Lists apparatus available for use during trial trip.
135459	9-26	Radio T&T Co	Ultra udion; fwds print of wiring diagram; confidential.W
135709	9-16	Arizona Venture Corp	Fwds specimen of ore for use on radio detectors.W To-- Comments. 10/2 Dr Austin; reports 10-1
135757	10-1	Pfund, Richard	Spark gaps; gives data on to show advantages of his type; unable to bid on complete sets; reqt orders for gaps in order to keep his factory going. W. To-- Comments. 10/10

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RECEIVING & SENDING SETS. 1914

Number.	Date.	From or To—	Subject.	
131191	7/30	To Chas	B-1; sub sig sending and receiving sets; asks where sets removed were transferred	464-7
131503	7-28	Clark, G.H.	Reports on test of head telephones submitted by Wireless Imp Co. W.	
131504	8-3	Clark, G.H.	Compilation of data on various uses of Audion. W.	
131522	8/4	To S&A	Radio receivers; request shipment from Washn to NY, for stock, 20 Wireless Spe. app. telephone head sets and 10 Baldwin sets. W	
131555	7-20	MARYLAND	Spark gap - "Boston" type Wireless Spec. Co. - adverse report on - heats	280-6
131690	8/6	To Radio T.& T.Co.	Audion material, recns. 87, 344, and 32; asks when may count on delivery of. W	
131691	8/6	To Western Eled.Co.	Wheatstone telegraph transmitters and tape perforators; request descriptive matter and price lists of. W Western Co. matter handed to Lt. Wright; price depends on quantity 8-31	
131753	8-6	NY	Standard relay key contact; fwds. tracing; in connection with Schedule 6811. W To---returns tracing appd. 8/8	
131869	8/8	To Ericsson Mfg Co.	Ack. receipt of bills for high frequency buzzer; instrument now under test. W Co quotes 8-10 To-- 9/21	

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RECEIVING & SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
131923	8-8	Radio Tel & Tel Co	Status of delivery of ampliphones.W	
132119	8-5	NEW JERSEY	Rotary tikker detector; reqt instructions for using.W Fwd NY instructions.8/13.rb 8 13 Ret---8/18rb 9 16	
132124 VOID	8-7 8-11	CO NY	Reqt small second hand ~~lathe~~ feed pump; Yard has one in store.Y	
132125	8-10	NY	Quenched spark gap plates; reqt authority to purchase samples of different makes W To---Bu.will approve reqn for sufficient number of gap# units.8/15.	
132177	8-5	NY	Loading coils with pick off arms for radio transmitters; reqt $300 be allowed to complete details of design.W To---appd.8/15.	
132527	8-17	CO	K-2 reports Wireless Imp. sending set N.G.	421-6
132849	8-21	WALKE	Telefunken receiving set unreliable	471-6
133596	8-19 9-2	Baldwin, N. S&A	Unable to furnish bond for 100 sets; reqt be allowed to furnish in lots of 20 of contract be placed thru Wireless Imp.Co. W Fwd S&A-- Comments. 9/4	
133638	9-2	To Wireless Specialty Apparatus Co.	Bu states it would be embarressed to return the sample key as reqt in your proposal before execution of the contract. Sample will be included in the ten required if it meets with your approval. Co agrees; reqt in future samp be ret 9-4 mFwd S&A 9-8	

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RECEIVING AND SENDING SETS. 1914

Number.	Date.	From or To—	Subject.
128891	6-24	Clark, G.H.	Reports on test of hand and relay keys submitted under schedule 6709. W
128915	7-1	Arlington 351	Baldwin head receivers; reqt 3 pairs for Station; states superior to Wireless Spec. and French type during recent test Eiffel tower, were used in Paris. W To---& S&A,request shipment,Washn to Arlington.7/3.
129025	6-26	CONNECTICUT	Audion amplifier; have transferred to MINNESOTA to make test.W
129246	7-7	Radio T&T Co.	DeForest tele receivers; fwds print showing resonance curve. W To---Ack.7/9
129391	6-30	At Flt	Audion amplifiers; reports transfers from CONN TO MINN; FLORIDA TO NY ; tikker detector NEW JERSEY TO WASHN. W
129630	7-10	Nat Elec Sig Co	Invites attention to new relay key. W To---desire more details.7/22 To---request complete details.7/14. Co.7/15.have small relay for 2 to 10-kw set not yet patented:will supply one for test.W
129726	7-10	Radio Tel & Tel Co	Emplifiers; instructions for use of; fwds amended copies.W
129768	7-8	Wireless Spec.Co.	Fwds Pickard comments re new telephone head set. W
129768	7-9	Wireless Spec Co	Fwds head telephone for test; invites attention to copper clamping of diaphraign on ear pieces.W To---returns set for rewinding to 1000 ohms. 7/21.

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
129843	7/14	To N.Baldwin	Offers to manufacture his sets at Portsmouth yard under royalty basis; also offers employment to supervise such manufacture.W
130248	7-3	MINNESOTA	Audion amplifier; exp test; W To S&A.request shipment of from ship to NY for repairs.--Fwd CO via NY.7/21. rb 9 10 Fwd CO-- For information. 9/11 rb 10 1
130473	7-21	Wireless Spec Co.	Special relay key; fwds drawings showing mounting on Bakelight base.W
To--Bu when can	has submitted pegn for; asks be delivered 7/29	Co 45 days 7-30	To---Bu has no use for such.7/24. Co quotes price on relay key not mounted on base 7-28
130456	7/21	TO YARDS.	Radio detectors - proprietary; purchases for whole service made at NY yard; fwds copies of correspondence.W
130550	6-23 7-21	Cavite S&A	Reports stock of radio receivers sets exhausted.W To S&A.request shipment of material from NY to Cavite.7/24. Ret S&A.desirable to keep a few receivers in stock at Cavite.7/24
130820	7-24	Ericsson Mfg.Co.	Offers to supply high frequency buzzer at $10. KW To - submit sample 7-28
130878	7-20	Baldwin, Nat	Replies to proposal of Govn to mfg head sets under royalty: refuses permanent employment offers to give service for $10 per day and expenses for a month's demonstration of his manner of manufacturing.W To Dept--Encs copies of letter from Baldwin re manf of radio telephone set. 8/26 rb 9 3
131304	7-28 7-31	Winn, H.L. Supt Radio	Reqt information as to purchase of I-P-76 receiving set from Govn. W To H.L.Winn.None for sale.8/3

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RECEIVING AND SENDING SETS. 1914

Number.	Date.	From or To—	Subject.
127380	6/13	NY	Reports number and type of radio detectors on hand.W
127380	6/13	To NY R	Reqst information as to number and type radio detectors on hand and due under contract and also due under existing stock requests.W
127538	6/11	NY 855-110	Installation of an experimental set on Fire Island Lightvessel for testing out fog signals for Lighthouse Board. Revised est.W Fwd NY --rec 6/16 rb 6 25 To---appd.6/26.
127922	6/19	Louis Cohen	Submits report on his high frequency alternator, wit h sketches.W
127930	6/20	NY	Reports on generator short circuit sending system as applied to Marconi transmitters 5-kw; gives advantages of.W To NY and Marconi Co—generator short circuit sending system appd 6/22
127904	6/20	To Radio T & T Co	Makes statement in their bulletin C-14 that they are prepared to supply oscillating audions of higher power than the standard form. Asks to quote prices and other particulars on ultraudion bulbs.W
No.#	6/20	To HELENA via Asiatic Flt	Ship's survey 61 of June 15th; worn out detectors should be surveyed for repairs as n avy yard can build up new one around remains of old detector cheaper than one can be purchased at present high cost, owing patent situation.WY

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RECEIVING AND SENDING SETS 898

Number.	Date.	From or To—	Subject.
128070	6/22	NY 855-114	Telephone receiver cord for radio use; reports on test of. Submits samples.W NY 6/24. Western Elec.Co.inquire if samples are satisfactory.W To---spcfns appd.6/29. To Western Elec.Co.satisfactory.6/26. To NY.Fwds copy.6/26.
128225	6/12 6/24	NY 855-705-260 S&A 27-224	Telephone receiver cords for radio head sets; recommends changes in specifications for.W Ret S&A.red spcfns be amended.6/25
128084	6/23	To William Dubilier To---Ack.7/17.	Result of test of his radio transmitter.W Dubilier Elec Co. additional data on 6-27 To---fwds copy recn and spcfns for four sets; asks if satisfactory.7/10. Dubilier quotes prices 7-13
128333	6/25	Radio T&T Co.	Oscillating audion; quotes price for complete set and gives pacacity.W Co.6/26.corrects quotation.W
128441	6/26	Wireless Spe.App.Co. Fwd NY-- 11/21 To M.Is--Have reqt shipmnt.12/8 To S&A--Reqt shipment. 12/8	Detectors and wrenches for; quotes prices.W To Dept.comments.7/2. To NY gives prices quoted by Co.7/2 NY re discontinuance ofmfg 7-7 M.Is reqt be forwarded 11-13 Austin
128499	6-27	Wireless Imp Co.	Reqt report on combined rihandg and relay key. W To---gives quotations from report.7/3.
128769	6-25	Mitchell, Hon J.J. To---and NY.Submit to NY for test.7/22	Reqt Bu investigate S.F. Bickford, Bishop multiphone. W To---No record of using instrument.7/1. To---comment.7/11. Fwds further data 7-18
128812	6-27	Wireless Spec. App Co	Mineral detectors; fwds reqt for proposal from NY to furnish pure silicon; impossible to do so; reqt information on head telephone set sent for test.W. To---returns proposal.7/1.

RECEIVING AND SENDING SETS. 1914

Number.	Date.	From or To—	Subject.
125813	5/26	Arlington 271	Audion amplifier; reports on test of.W
126137	5/26	N.Baldwin	Receiving sets; steps taken to prevent corrosion of washers; requests return for repairs of any defective sets. Also requests Bureau expedite payment on 12 sets shipped to Mare Island.W Fwd S&A—reqt payment be arranged for 6/1 rb 615
126185	5/30	Richard Pfund	Spark gap; further data on.W
126189	6/1	To Naval Academy	Authorizes acceptance of offer of Radio T & T Co of loan of audion amplifier for instructional purposes during midshipmen's cruise.W
	8/18	TO ILLINOIS. cancel letter of 17th	To ILLINOIS.directs audion amplifier be delivered to N.Acad.8/17 TO MISSOURI del.N.Acad.8/18.
126214	6/2	To S&A (2 letters)	Radio tikker detectors; request shipment; Gives list of vessels and radio stations.W
	6/3	To Yds.	To be shipped from NY and Mare Is.W ditto
No #	6/2	To Pug.Sd.	Regn.171 disapproved, for radio receiving sets; Bureau about to begin mfr of a new type.W-R rb 618
126353	6/3	To Wireless Spec Co	Detector tester; asks if have one available for early delivery, also price and whether it embodies all the improvements over previous models as suggested by Dr. Austin.W Co.6/10.est.$50 to make changes.W

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RECEIVING AND SENDING SETS.,898

Number.	Date.	From or To—	Subject.
126707	6/6	Radio Telephone & T Co.	Ultraldion detector; quotes price and gives description,etc.W To---reqn prepared for certain.6/9. To—6/12
126994	6/2	Colon Fwd NY. 7/10. rb 7 23	Audion amplifier; reports on test of; favorable.W To—To S&A--shipment reqstd from NY to Colon of three dry cells for same 6/11 Crenshaw re supplying batteries 6-27
12704 0	6/10	To NY	Reqsts information as to whom and what quantities the double Audion bulbs purchased on Bu.N.S.A. req. 184/1914 from the Radio T&T Co have been shipped.W NY 6/13.gives distribution.W
	6/20	To Flts and Ships, Yds, Nav Acad and Colon	Directs take great care to prevent bulbs from falling into hands of persons not in the Naval service 6/20
ARK transf to FLORIDA 7-6			
127159	6/11	Arlington	Spark gap mfrd by Richard Pfund - reports on. Gap not fitted. Recommends have special 5-kw gaps designed for necessary voltage on shipboard use.W Fwd Dept--requesting authority to place proprietary reqn 6/13 To R.Pfund asks as to price,etc.6/17.
R.Pfund ack order 7-7			
			Pfund 6/20. bid $360 did not include cooling app; will increase price $115.W
127169	6/11	Radio T.& T.Co.	Fwds Bulletins on the audion detector, audion amplifier, and receiving apparatus.W To--ack 6/12
127149	6/11	To S&A	Reqst NY be instructed to keep small supply of dry cells in stock for audion amplifiers which the Bureau has in service.W rb 7 8 Ret---7/8
127146	6/12	To NY	Re purchase and distribution of audion amplifiers, etc.W Norf reqt copy 8-11 To Norf.fwds copy of letter of June 12th. 8/14. Norf returns 8-21 War Dept fwds receipt for bulbs 12-15 Fwd S&A-- 12/28 To--Reqt stock of bulbs not less than 100 be kept on hand. 4/23

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
123919	5-1	Wireless Spec App Co.	Quotes report from Tropical Radio Tel Co. on their receivers and tuners; favorable.W	
123961	4-17	Fed Tel Co.	Reports shipment of telephones and cord for use with Tikker.W	
123974	5-2	M.Is T	Reports receipt of 2 phones from Baldwin; no shipping papers for other 10 sets.W	
124415	5/8	To Radio T&T Co.	Ultra audion; request descriptive matter and quotations.W	
124418	5/8	To Norf.	Receiving sets; asks if the two 1-P-76 turned in by the NEW HAMPSHIRE. Also asks if one is in Reserve Acct removed from STRINGHAM.W Norf. 5/12.	
124769	5-6 5-12	Radio Tel & Tel Co Dept	DeForest Audion detector;W To--Secy's Sig--5/14	
124839	5/14	To S&A	Shipment requested from NY Yd to Wash Yd for the Wash Radio Station, two type 1-P-111-L radio receivers purchased from the Wireless Spec App Co under con 19920.W Fwd S&A 6/15	
124873	5/14	To Nath.Baldwin	Criticizes method of attachmentof the armature to the mica diaphragm on radio telephone head sets; encloses copy schedule 6709, class 51, 100 telephone head sets.W	

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RECEIVING AND SENDING SETS 898

Number.	Date.	From or To—	Subject.	
No. #	5/14	To Radio Tel & Tel Co	S. E. Recn 87, audion amplifiers and double bulbs: price high, what type to be supplied?	
124896	5/14	Wireless Spe.App.Co.	Stroboscopes: calls attention to demonstration of. Also recommends using the small entry form on a 1-P-111 receiving set; quotes price.W	
124985	5/15	Radio T&T Co.	Audion amplifier plugs; reduces quotation to $2.50. W To--5/16	
125013	5/15	Lewis Cohen	Fwds drawings covering his wireless receiver and submits bill in duplicate for 50 sets.W	
125455	5/21	Richard Pfund	Fwds prints and quotes price on his new improved type of spark gap.W TO -- reqt further inform 5-28	
125443	5/21	Radio T&T Co.	Ultraudion: quotes price; fwds prints and specifications covering.W	
125552	5/22	Arlington	Spark gap mfrd by Richard Pfund: reports on test. Recommends Dept purchase.W	
125774	5/25	Wireless Spe.App.Co.	Fwds two new detector stands with silicon and perikon.W TO -- will be tested 5-28	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
121888	4-8	Dept Commerce	Memo result of conference concerning best type of transmitting and sending set.W	
122249	4-7	Baldwin, N.	Telephone head sets; will be able to ship 14 of the 30 sets by Apr 22; telegram garbled; reqt confirmation by letter.W To---desired 12 sets be shipped to M.Is.to arrive by 25th inst.4/13.	
122658	5-16	Radio Tel & Tel Co	Audion emplifier and detector; have forwarded to Bu Standard for exhibit American Physical Society; DeForest will call at Bu. W	
122758	4-13	Baldwin, N.	States if 12 sets required for immediate shipment are required in addition to order for 30 cannot make shipment by time required.W	
122729	4/18 4/20	To NY,Colon,CALIFORNIA. S&A. TO YARDS	Radio receivers: request shipment from NY to Boston,Norf,Charleston,Key West, Pug.Sd, M.Is.,Colon, San Juan, Guantanamo,CALIFORNIA.W Chasn issued one receiver 4-8 To Chas.two receivers shipped by mistake; request be shipped to Pensacola.4/27. Fwd S&A.reqst shipment to Pensacola.4/27.	
123127	4/17	The Ericsson Mfg Co.	Calls attention to their buzzer.W To--desires sample and quotations 4/23	BELOW
123201	4/23	Pug Sd T	PACIFIC FLEET : have authorized purchase 10-kw Federal Radio set vice JUPITER, now at M. Is; sending to C-in-C; will obtain 30-kw set for San Diego	494
123127		SEE ABOVE	To Ericsson Mfg.Co.Ack. Asks if may expect shipment of sample buzzer for test Laboratory, Bu.Standards.4/30.	

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
123322	4/24	Radio T.& T.Co.	Quotes price for furnishing amplifiers and bulbs and gives time of delivery.W
123377	4/25	To NY T	Fwds immediate wiring diagram 1914 type 1-P-76 receiver.W
123588	4-15	Wireless Spec.Co.	I-P-6; receiving sets; have delivered 13 instead of 12; reqt contract be increased; states new tuners delivered with receivers do not infirnge sustained Fessenden patent claim. W
123613	4-20	Baldwin, Nat	Reports unavoidable delay thru failure to receive magnet wire and cords.W
123677	4-9	FLORIDA	De Forrest Audion emplifier; reports on test; states doubles transmitting range of any station when working with station equipped with same instrument. W
123126	4/28	TO FLEETS; Canal Zone, Supt.Radio; Key West, M.Is, Arlington	Preliminary instructions for use of audion amplifier for elimination of static disturbances.W
123799	4/30	To NY	Radio receiving sets, type 1-P-76; gives Bu's record of those in store at New York; Asks if receivers were shipped to ARMEN, Illinois, Burrows and Macdonough; also yardss record of those in store.W
Ex	NY 5/14 lists.W	To NY 5/15	NY gives list 5-5 NY further 5-8 To---asks to whom receivers were issued; gives Bu's record.5/8

NY 5/19 letter of 11/11/13 re shipment of sets to Kodiak,Cordova and Pt Loma inadvertently filed by GSK.W

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RECEIVING & SENDING SETS. 1914

Number.	Date.	From or To—	Subject.	
118805	2-14	Pfund, R.	Reports sending new type spark gap to Arlington for trial;reqt orders.W	
19832	2/28	NY	Reports final inspedtion of 5 kw radio sets Wireless Spec. App. Co. Very sat.	629
119146	2-13	Cohen, L.	Receiving set; reports Sir R. Lodge has filed interference claim; may delay award cont for 2 or 3 years.W	
119234	3/6	To Radio T&T Co.	Returns bill for material furnished under N.S.A.Bu reqn.184; requests be fwd to GSK NY yard. 3/6 W	
119280	3-6	Cohen, L.	Transmitting and receiving set; quotes price for drawings covering.W	
		(See below)	To Dept.request auth.to submit reqn for purchase of plans.3/11.	
	To Dept--Reqt auth to submit reqn for purchase of plans Dr.Cohen's invention at cost of $7,500.00/ 12/19		To WashYd--detail draftsman for preliminary work on mfg of sets.4/23	
	Fwd Dept--Re contract.1/19		To Dept --signed copies orcont 5/14	
119730	3-3	Federal Tel Co	Reqt return of or payment for motor tikker now at Radio, Va. W	
19920	3/7	NY	~~Asks if sample new type receiving set submitted to Bu.is staisfactory.W~~	629
119899	3-13	Wireless Imp Co	2 kw transmitter broken antennae inductance; offers to replace free of cost.W	
			To---.NY and S&A.request shipment to NY for repairs and return.3/20.	
119280	see above.		Fwd Dept--Submits comments of Dr/Cohen re wording of contract. 1/23	

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RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.
120035	3-14	Dept Commerce(Navgn)	Have issued ruling that Marconi magnetic detectors are for efficient as receivers for distances over 100 miles and as required by law on Merchant Marine. Marconi Co have protested against decision; reqt Navy opinion also results of any tests made.W To---comments.4/1.
120383	3-19	NY 705-239-1	Galena crystals for radio receivers; fwds samples; submits proposed specns; recommends pruchase of 100 pounds; lists firms that can supply.W. Fwd Dept.rec purchase; also of other materials.3/23 RB 4 15 appd ~~Fwd~~ To Wireless Spec App Co--Complains of high prices charged for crystal detectors 4/23
		Fwd NY submit plans and est for construction of detector stands.5/4. rb 5 15	
121146	3-30	Radio Tel & Tel Co	Audion amplifier, have developed bulb using tantalum filament which will last over 480 hours; reqt order.W To---Will accept.3/31. Co have taken up question of ext time due to furnishing inductor generators 4-1
121159	3-30	Wireless Spec. App Co	Reqt telegraphic order for 22 receiving sets at $390 per set in order to make delivery before infringement notice; can be served on company. W Fwd Dept.rec purchase.4/4 RB 4 7 appd (T)to---appd.4/6. To NY fwds copy of telegram.4/6. Co reqt group tuners be ordered 4-8 To---not desired to purchase any group tuners.4/9.
		Fwd S&A.Bu reqn.288 submitted for 12 receivers.4/9 RB 4 28	
121552	4/4	To NY	Multiple segment mercury interrupters; Asks if report directed in Eg.#127,708 of May 28T 1906, was actually made.W NY report never made 4-7
121729	4-7	M.Is T	Require 12; prefer Baldwins. W Baldwin 4/8 (T) can ship 14 sets by Apr.22d. W To N.Baldwin.Order for 30 sets mailed; asks how many sets can be del.M.Is.25th inst.4/7. (T)to M.Is.asks minimum number required before sailing of BUFFALO. 4/7 (T)to M.Is.shipment arranged.4/8

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
116752	2-3	Radio Tel & Tel Co	Reports delivery of 10 amplifiers to NY Yd. W To---Ack.2/4	
116640	1-29	NY	I-P-76,1-12 receivng set; reqt instructions re supplying detectors for. W To---requests submit reqn for detector renewals sufficient for six months for repair work.2/3	
116895	2/5	To Washn.	Radio receiver developed by Dr.Louis Cohen; request estimates for manufacture of.W NB 3 2	
117017	2/4	J.H.Clark	Gives brief report on Telefunken, N.E.S., Marconi, and Lowenstein quench spark gaps; suggests that services of Mr.Lowenstein be obtained to develop spark gapand transformer. States Lowenstein's tubular gap on the BIRMINGHAM gives excellent satisfaction.W	
117167	2-6	NEW JERSEY	Telephone head sets; recommends spare discs be furnished with.W To---request further information re placing on allowance list.2/10. NJ Gives ~~reqens~~reqsons for reqt 2-18	
117168	2-6	NEW JERSEY	Head set; telephone cords furnished with not satis.W To---asks where obtained.2/10. NJ gives history 2-12	
117064	? 1/26	Cohen, L.	Fwds description of his secrecy sending apparatus.W To---comments; Bureau will make test of plan.2/9.	

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
No #	2/11	To NY	Cerusite detector renewals; desired not be purchased from Marconi Co. Request estimates for six month's supply.W-R
118012	2-12	Radio Tel & Tel Co	Amplifiers; additional instructions re use of. W
118044	2-17	Radio Tel & Tel Co	Reports 3 amplifiers tested at NY and proven satis; reqt one be installed at Arlington.W To S&A. Request shipment from Arlington to Company of amplifier.2/19 Fwd Arlington via Washn.2/19 Reqt reply 2-27 To---shipped to NY Feb.25th. 3/2
No #	2/19	To Cavite and Cavite	Cavite survey #18; Whenever any part of a DETECTOR remains it should be rebuilt or repaired and held for issue.W&Y
118167	2-16	Baldwin, Nat.	Have 15 sets nearly completed; can deliver within 30 days; 15 more sets 45 days; submits new type shell.W To NEW JERSEY/ submit reqn for necessary telephone discs.2/21 To---will submit reqn for 30.3/6
118605	2-18	Clark, G.H.	Reqt Lowenstein break key be shipped to Washn Yard for test purposes.W
118753	2-21	NY 405-855-10	Audion Amplifiers; gives reasons for delay in inspection.W

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RECEIVING AND SENDING SETS. 1913

Number.	Date.	From or To—	Subject.	
113633	12/27	To Federal Telegraph Co.	Tikker detectors; request price for 28 motor-driven.W	
19920	12/22	Wireless Spec. App.Co.	Minature receiving set, returned by NY Dec. 27, therefore contract must be dated Monday Dec. 29, in lieu of Dec. 1st.	629
113878	12/31	To NY.	Detectors; bids under reqn.126; order placed thru.error. Asks if have sufficient stock for next four months.W NY gives number 1-23	
		1914		
114001	12-29	WYOMING	Reqt authority to to transfer Bellini-Tosi received to NY Yd. Understand no further test desired.W To---via NY.appl.1/5.	
114410	1/8	To Washn	Cohen receiver; issue of drawings prepared at yard, to Dr.L.Cohen, authorized; original drawings should be retained.W	
114841	1-11	Clark, G.H.	Heterodyne receiver; fwds sketch showing buzzer type developed by J.E. Schell, chief Elecn; recommends be ordered to Washn to perfect.W Fwd Supt.Radio.1/14. RB 116	
114919	1-13	Wireless Spec. App Co	Triple amplifones; furnished last July for Naval Observatory; reqt payment. W To---request information re deliveries made on Bu.reqn.89.1/15 To---comment.2/6	

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1914

Number.	Date.	From or To—	Subject.	
No #	1/16	To NY	Necessary to carry in stock spare DETECTOR renewals, carborundum and cerusite, for detectors supplied by Marconi Co.W&R	
115517	1/21	To Chas.& S&A.	Light-vessel #53; request shipment of receiving set NY to Chas.for.	678
115647	1-14 1-21	NY Washn	Experiments Fire Island light ship; portable radio set for; Washn has not received shipping instructions.W Ret.NY.1/4 kw set was carried to NY by Subinspr.Clark.2/4	
115134	1/26	To Dept.	Telephone head sets; gives list of bidders on schedule 6120. Bu has recommended to S&A that all bids on class 142 be rejected.W Requests auth.to submit recn for 30 sets in favor of Nathaniel Baldwin.W Dept authorizes 28233-1013 2-3 To N.Baldwin.request price of telephones.2/4	
116199	1-24	Federal Tel Co	Quotes price for motor tikkers.W	
116192	1-22	Sweet, G.W.	High frequency impedence telephone receiver; reqt data on.W To M.Is.value at 500 cycles twice the D.C. value.1/30.	
116476	1/31	To Radio T&T Co.	Audion amplifiers; request copy of printed instructions which will accpmpany each set ordered.W Radio Co fwds proof; ready 2-7 2-4 To---Ack.2/6	
116609	2/2	To S&A CL	Radio material; request shipment from NY to Washn, Key West, Mare Island, Pac.Fleet, North Head, WYOMING; FLORIDA; CONNECTICUT.W To Key West,Colon,Arlington,WYOMING, FLORIDA,CONN,Pac.Flt.M.Is.instructions for experimental use.2/6	

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RECEIVING AND SENDING SETS: 1913

Number.	Date.	From or To—	Subject.	
111517	11-26	Wireless Spec. App Co	Reqt. report of test on minature type set.W To---Bu has no such report.12/1.	
111389	11/27	C.O.	CASSIN: reports Garwood set worthless.reqt Wireless Spec. Set.	443--6
111526	11/29	To Radio Telephone Co.	Audion amplifier; test at Naval Radio laboratory; favorable results attained. Bureau desires quotations.W	
111704	11-25	Dept Commerce	Approves expenditure for installation Experimental radio set on Fire Island Light vessel for test.W Fwd NY.12/3 RB 1 6	
112033	12-4	NY	Reports on test of 3 phase transmitter submitted by Wireless Imp Co. W	
112139	12-9	Radio Tel Co	Audion detectors; quotes price $45. in lots single $50. W	10
112179	12-3	Radio Tel Co	Fwds prints showing elevation of De Forrets Audion amplifier. W To---request further information.12/9. Co futher inform 12-12 To---Recn being prepared for; request diagram.12/16 Co fwds print 12-18	
75	12/9	NY	Bellini-Tosi apparatus;asks what test desired.	629

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Number.	Date.	From or To—	Subject.	
112363	12/10	To S&A	1-P-76 receiving set; request shipment of one from Bu Standards to Wireless Specialty Co. for repairs, and return. W	
112665	12/13	To M.Is. & S&A	Detector tester and amplifone, reqt shipment from Wash to M.Is.	818
112623	12/15	To Bost. & S&A	CAPE COD: Stone receiver; request shipment to Washn yard, for Arlington Sta.	802
19921	12/16	To Brook	Radio transmitting sets, ordered Wireless Imp. Co. Directs ascertain place of mfr, as Company has not replied to Bu's letter.	629
113074	12-17	NY	Reports receipt radio head sets from N. Baldwin reqn 107; asks what tests to be made. W To---directs issue of six to vessels of AT. FLEET. 12/23 NY names vessels sets assigned to for test 12-29 NY lists vessels issued to 1-16	
113529	12/26	To S&A	Bellini - Tosi radio direction finder; request shipment from NY to Washn of two sets, purchased from Marconi Co., Cont. 75. W	
113704	12-26	Wireless Spec App Co	Reqt return of minature receiving set shipped to NY Laboratory. W	
113034	1/218	To NY	Reqt issue and shipment to Wash. for laboratory of 6 sets detector renewals.	916

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[OVER.]

RECEIVING AND SENDING SETS. 1913

Number.	Date.	From or To—	Subject.
109998	11/11	To Pug.Sd.	Three receiving sets will be supplied from NY. Bureau desires all sets turned in at yard be repaired, if possible, and held for reissue.W
110622	11-15	NY	Estimate for installing radio set on Fire Island Light Vessel in connection with testing of fog signals. W To Dept.request appr of Dept of Commerce be obtained.11/18
No #	11/17	Fwd S&A	New York reqn.321, for headgears, for receiving sets; rec.spcfns be amended.R
110664	11/18	To Ports. & S&A.	PADUCAH: survey #1; receiving set turned in from; request shipment from Ports to New York yard.W
110723	11/18	To NY R	Services Meneratti cannot be spared to continue NO. DAKOTA tests. If advisable test between ship and Fire Island, observer should be detailed from yard force.W
110734	11-18	NY 865-69	Head telephone receiving set; asks if any special make has been decided upon.W To---states what have been approved.11/21.
110940	11-21	Hallenbeck, Chas	Reqt. report on.W. To---not suitable for naval use.11/24
110941	De Forest, L. T 11-19	Have expressed	Audion amplifier to Washn and reqt. be sent to Bu Standards for test.W

N.S.E. Form 134.

RECEIVING AND SENDING SET. 898

Number.	Date.	From or To—	Subject.	
111080	11-18	Baldwin, N.	Offers to sell English patent on receiving set for $500.W To---suggests sell to some English company.11/25	
111085	11-17 11-10	CONNECTICUT At Flt	Fessenden transmitting key for 5 kw set; unsuitable and recommends no more be issued. W Fwd Phila.11/25 RB 12 16 Ret CO via At.Flt.for further comment. RB 2 5	12/16
111287	11/22	NY 935-855-24	Reports on test of 3-phase radio transmitter submitted byWireless Improvement Co.W	
110862	11/20	Supt.Radio	Recommends changes in reports required from Naval Elecs.	742
111264	11/24	NYth	CASSIN: Garwood receiving set, suvey on condemns, reqt instructions re issuing replace set.	443--6
111244	11/22	Port Royal	Reports on condition of radio rec. set.	848
111223	11/25	To NY	ONTARIO.radio receiving set, turned in from NY station, desired be transferred to	524--6
111438	11-21 11-26	Hallenbeck, Chasn Dept	Reqt result of test of . W	

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RECEIVING AND SENDING SETS. 1913

Number.	Date.	From or To—	Subject.	
108336	9-11 9-17	Peters, A.F., Chief Elecns Asiatic Fleet	Perikon detectors; reports increase in sensitiveness and value as detector by scraping with piece of iron; reqt. Bu opinion as to reasons for this. W TO HELENA. via Asiatic Fleet. Idea not new.10/31.	
108531	10-21	NY	Detectors and receiving sets; submits list of those purchased during past fiscal year. W	
107739	10/11	To NY & S&A	Detector tester, reqt shipment, NY to Wash.	916
108817	10-27	At.Flt R	Reports receipt of Audibility boxes; satis.W To--asks present assignment of 5 audibility meters 10/21 AT Flt reports on 11-11	
108860	10-27	Austin, Dr.L.W.	Reports on efficiency tests. W To At.Com Co.fwds copy of portions of report of test.12/22.	
109213	10-31	Wireless Imp Co.	Rest test of 3 phase radio transmitter set.W To---Willint to test at NY yard.11/1 Fwd NY.11/1	
109320	10/22	Nathaniel Baldwin	Will construct non-magnetic metallic parts of German silver. Offers to sell patent.W To---request information re patent.11/4	
109248	10-31	TO NY	Asks status of delivery of tickers reqn. 55; NY (R) have passed inspection 11-1	

N.S.E. Form 134.

RECEIVING AND SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
108938	11/4 VOID	To Dept via Supt.Radio VOID	Quarters for operators at radio station	
5890	10/31	To NY	Radio receiving sets, request information as to the number of sets under, the issue of which has already been authorized, to whom will be issued, and authority for.	706
109578	11/6	NY	Recd auth. to expend $300 additional for developing break key ystem improved BS installation.	876
133	11/5	To S&A	Receivers, Bu. recommends substitution of one 1-P-76 1914 type and one 1912 type in lieu of those contracted for, Wireless Spe.Ap.Co.	629
109650	11/7	TO SHIPS;AT FLEET:S&A	Radio ticker detector; shipment requested from NY yard, with spare parts and instructions, sheets.W CYCLOPS detector not recd 1-5	
5890	11/3	NY	Gives list of unfilled orders for receiving sets	706
109928	11/10	Dr.L.W.Austin	Detector tester, Wireless Specialty App.Co. Recommends certain changes in.W To Wireless Spe.App.Co.Asks if can make changes withoutaddtl cost or extension of time.11/10	

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RECEIVING & SENDING SHIPS. 1913

Number.	Date.	From or To—	Subject.
105438	7-31	Fanning, W.N. Ch.Elecn	Galena detectors; reqt. be given credit for discovery of use of; also recommends polished silicon buttons for tikkers. W
105962	9-17	DELAWARE:	States cords furnished with radio head sets defective. W Fwd NY.for rec.10/20. RB 10 28
106059	9-13	Baldwin, N.	Reqt. orders for additional receivers.W
106799	9-26	At.Flt	Audibility boxes for use receiving work; reqt. be supplied to WYOMING: FLORIDA: CONNECTICUT: KANSAS. W (R)to---Will be sent by Wireless Specialty Co.10/23 (R)to At Flt.five boxes shipped. 10/24 To S&A.advising 10/24
106950	10-2	Wireless Spec.Co.	Receiving sets 1-P-111; have 9 sets on hand and quotes price $10. each. W To---cannot place reqn for.10/3
107249	10-6	Cohen, L.	Electro static wireless receiving set; unable to transfer limited patent right due to interference suit of patent; grants Bureau authority to manufacture as many as required p pending result of suit.W Fwd Solicitor.for comment.10/9 RB 10 14
75	9/24	Marconi Co.	Bellini-Tosi direction finders, sets have been ready for delivery, awaiting instruc. 629

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N.S.E. Form 134.

RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
107293	10/6	To Dept.	Request authority to purchase "Detector Testers" and "Audibility Boxes" from Wireless Specialty App.Co.W 4B 10 11 appd	
75	10/7	Marconi Co	Bellini Tosi, gives reasons for non delivery 629	
107649	10/11	To Wireless Spe.App.Co.	Request price for 3 detector testers and 20 audibility boxes.W Company quotes price 10-14 To - will place order for 2 in lieu 3 each on account of inc. price 10-15	
107860	10-13	NY 733-52	Quenched spark gaps; est. for mfg. W NY submits estimates 10-27 To---will not take action at present.10/30.	
107762	10 13	To Bost	Bost. Reqn 243 for detector stand type 1-P-76 request explanation as to why necessary to purchase- CAPE COD STATION.	802
107926	10-15	To N.Y.	Detectors and receiving sets - directs report on number abd type in store 10-15	
108041	10/16	Wireless Specialty Co.	Detector testers and debility meter; gives estimate of apparent high cost and also approximate delivery.W	
106494	9/26	To Norf.	VERMONT: re shipment of receiving set	456--6

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
103432	8-11	Thew, G.E.	Gives descreption of his secrecy receiving set. W To---Suggests furnish Bu with drawings.	8/13
103537	8/13	To NY	Desired one 1912 imp. type 1-P-76 receiving set be assembled for issue with 2-kw transmitting sets purchased from Wireless Imp. Co. on NY reqn. 1742 W	
103777	8-6	Wireless Spec. App. Co	Fwds tips for use on receiving head sets. W To---samples not received. Fwds samples 8-23 To---comment.	8/22 8/25
103855	8-17	At. Flt 915	Belleni-Tosi director: cannot be used on BS with cage mast. W	
103868	8-13	Federal Tel Co.	Fwds copy of orders to F. Pearce Co. for diss. W	
103965	8-15	Dept Commerce	Recommends using North Hook Beacon in lieu of Ambrose Light Vessel for testing out fog signals. W Ref. ept. via Supt. 9-13	
No #	8/22	Memo to accompany NY reqn. 339	Receiving sets: recommends that compptition be waived; gives reasons. W	

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N.S.E. Form 134.

RECEIVING & SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
104306	8-25	Austin, Dr.	Wireless Specialty Co. amplifones; reports on and recommends test on ship. W To Wireless Spe.App.Co.quotes report on test.8/26. Wireless Spec.Co. quotes price 8-26	
104732	8-25	Baldwin, Nat.	Quotes price on receiving set; can furnish 2 a week.W To--will submit reqn for 6 sets 10/1 To-M.Is. and NY- reqt be given opportunity to bid 10/1	
104776	8-30	To NY	Reqt/estimates for manufacture of quenched spark gaps. W	
104840	9/3	To NY	NY NSA req. 339 for radio receiving sets cancelled.W&R	
104922	7/26	C.O.	ALBANY: Fessenden receiving set, reqt instructions how to use in order to prevent interference 108--6	
105048	9-4	NY 855-41	Estimate for establishing radio disnal at North Beacon, Sandy Hook for experimental work with Dept. Commerce.W To N.Y. Bu. will ship 1/4 set for tests 9-13 (R)to---reqst est.for fog signal.11/13	
105195	9-8	To N.Y.	Asks if can supply from stock 15 to 20 head sets for use during a testW. NY gives number in stock.9-10	
105355	9-9	Marconi Co	Direction finders; have been passed thru Custom House;fwds report on trial of made on Northland.W To--Reqt copy of letter of 8/29- 9/11	Fwds 9-11
105383	9-5 9-10	Commerce Dept	Recommends use of Fire Island light vessel for testing out direction finders.W Ref. Dept. via Supt. 9-13	

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RECEIVING AND SEND:SETS. 1913

Number.	Date.	From or To—	Subject.	
100437	6-27	Clark,GH	Ticker shipped by express yesterday.W	
100341	6-26	TO Pearce, F. & Co.	Rotary ticker; asks when may be recd. W. Pearce shipped Dr. Austin. 6-27	
100465	6-27	Marconi Co p	Bellini-Tosi apparatus; names what will be included in at price quoted.W To---reqn submitted for two sets.7/2. Marconi Co.7/3 have telegraphed to London for two sets.W	
100624	6-25 6-30	Dept Commerce Dept 12479-640 Rot Dept.7/11. NY est.7-31	Re joint experiments between Navy and Light House Board with direction finder to test out value as fog signal.W To NY.Fwds copy of corres.reqst est.7/3. Fwd Supt Radio.reqn submitted for two sets Belini-Tosi direction finding apparatus for experiments.7/3. EB 7-11	OVER
100828	7-3	At.Com.Co.	Telefunken compass; gives description of,etc.W To---comments as to high price.7/9. At.Com.Co. replies to criticisms.7-9 To---Reqn submitted for one installation.7/15	
101052	7-2	McClatchie, S.	Invites attention to pneumatic quenched spark gap. W To---Bu willing to test; request for details.7/10.	
101092	7-3	Baldwin, N.	Fwds screws omitted from receiving sets and offers to replace those furnished by more effective sets.W To---will be advised when tested.7/10.	OVER
101157	7-7	NY 855-705-79	Galena crystals for detector; price excessive; reqt. authrotity to manufacture at yard after patent situation is looked up.W	

N.S.E. Form 134.

RECEIVING & SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
101092	7/10	# SEE OTHER SIDE	Telephones for radio set. To At.Fleet.directs test of those purchased from Nathl Baldwin.7/10. To S&A.Request shipment from Washn Yd to WYOMING. 7/10. To N.Baldwin.Test proved satisfactory.Reqst price in lots.8/19	
101598	7-9	NY 855-705	Receiving sets type i-P-76; asks proper quantity to keep in stock.W To NY 7/17 Dept. 8/28 directs req.be withdrawn so as to permit competition by public press advertisement.	
101520	7/15	To NY	Detector renewals; request description of material which is issued as renewal for various types.W	
101549	7/15	To Washn.	Manufacture of experimental radio receiving set and electrostatic telephone; Directs submit necessary requisitions for material and estimates.W	
102325	7-25	NY 855-35	Fwds description of material which has been issued for detector renewals.W	
102378	7-24	CONNECTICUT	Reqt. autority to turn on oil detector	169-5
102747	7-14	Hallenbeck, Chas	Fwds his receiving set; invites attention to compactness. W To---Will test.8/2.	
100621	8/	SEE OTHER SIDE	To Dept.rec approval of project.8/4. To NY instructions.8/14.	

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[OVER.]

RECEIVING AND SENDING SETS: RADIO 1913

Number.	Date.	From or To—	Subject.	
98597	6-2	Marconi W.T.Co.	States Bellini Tosi direction finder is protected in US by 3 patents; and fwds letter from Mr. Bellini relative to recent tests by Italian Govn. W	
98571	5/27	M.Is.	Pacific Coast, reqt improved receiving sets.	895
98661	5/27	C.O. MONAGHAN	Reqt that receiving sets in store for destroyers building be issued.	298--6
98767	6-4	Wireless Spec.App.Co	Gelena chrystals; understand order for Colon and suggests that new type perikon elec. detector be sent station.W	
98955	6-6	Marconi Co	Quotes price ot Bellini Tosi direction finder.W To---Request description; comments.6/12. Marconi not too high 6-16	
99076	6-9	Wireless Spec.App.Co.	Fwds bill for perikon elec. detector delivered to G.H.Clark.W	
99360	6-6	Wireless Spec.App.Co	Perikon elec. detectors; fwds samples for Bureau approval.W. To---returns detector.6/26.	
99389	5-29 6-13(?)	Commerce, Dept Dept 12479-640	Reqt. Navy cooperate with Light House Service for testing out direction finder for use as fog signal.W. Ret Dept comments; Bu desires to co-operate.6/14. Dept copy of letter to. 6-18	
99395	6-9	At.Flt	Bellini Tosi direction finder; reports on prelim test.W	

N.S.E. Form 134.

RECEIVING AND SEND SETS: 898

Number.	Date.	From or To—	Subject.	
99309	6/13	To Yds, etc.	Instructions for tuning radio receiving set 905	
99899	6-19	Marconi Co	Quotes price of Marconi-Bellini-Tosi apparatus. W To---comments as to price etc. 6/23. To Dept. Fwds several papers with comments. 6/23. R.B. approves mfr. by Govt. 7/15	
100116	6-23	NY T	Bellini Tosi apparatus; original cost $1106. Estimate to manufacture $350. W	
100163	6-13 6-30	Marconi Co NY 855-708-69	Fwds sample of "Dilecto" for use on panels of in lieu of rubber; believes to be non-warping. W To NY. use of satisfactory. 6/24. To Marconi Co. use of satisfactory. 6/24. To Marconi Co. asks from whom can be purchased. 7/3. Marconi Co. Continental Fibre Co 7-7 To CO. & NY. directs send samples to NY. 7/15	
100005	6/21	To NY	Bellini-Tosi direction finding device. Request estimated cost for construction. W	
99985	6/18	C.O. JARVIS	GARWOOD radio receiver, unsatisfactory, reqt be replaced with I-P-76	250--6
100195	6-24	Marconi Co	Bellini-Tosi app: Stenog: error putting $ in lieu of £; fwds printed matter. W To---Ack. Asks to which type price quoted applies. 6/26.	
100228	6-18	At. Flt.	Bellini-Tosi apparatus is not responding to waves of incoming signals; Seibt wave metr can be used on sending signals only. W Fwd Dept. too expensive for purpose used. 7/3	

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RECEIVING & SENDING SETS: Radio. 1913

Number.	Date.	From or To—	Subject.	
96180	4/28 4/30	D.McWhorter Norf.	Radio recording device for recarding calls, etc. Fwds print of one developed.W TO Norf directs submit estimates. 5-2 Norf sub. estimates 6-17 To Norf.est appd.6/20.	
97222	5-14	Austin, Dr.L.W.	Reports on experimental receiving set designed by Dr. L. Cohen. W.	
97184	5/13	To NY	Receiving sets; request number and type issued in each six months' period since Jan.1, 1910.W	
97385	5-14	Bu Light Houses	Reqt. information re Bellini & Tosi direction finders in connection with fitting light stations with Fog Signals. W To---gives information.5/17. To At.Fleet. Request report WYOMING.5/17.	
97354	5/15	To E-1,via Sub.Flo. &S&A	Perikon-Electra radio detector, reqt shipment from N.Y. to Newport for test on E-1.	401--6
97463	5/17	To Marconi W.T.Co.	Bellini-Tosi apparatus; request information as to ability to supply.W Reply 5/19. Will be in position to supply in a short time.W To---Ack.5/20.	
97599	5-17	Gage, Edw.G.	Quenched spark gaps; open frame construction; fwds prints.W	
97580	5-12 5-14	Freschl, A. Supt.Radio	Device for reporting electrical waves.W	

N.S.E. Form 134.

RECEIVING & SENDING SETS: RADIO. 898

Number.	Date.	From or To—	Subject.
97661	5/17	NY GSK	Gives lists of receiving sets issued since January, 1910. W
97719	5-20	Clark, G.H.	Recommends purchase of Galenia chrystals for use in detectors; Signal Corps of Army recently purchased large quantity. W
97738	5-19	A. Fresch	Fwds description of his new recording receiving set. W. To---Bu willing to test.5/21.
97871	5-20	Cohen, Dr. L.	Reqt. Department's aid in expedting granting of patent for receiver. W To---will give aid.5/23. To Sec of Interior.5/26. Interior 11:AM set for conference 5-29
98121	5-17	Gage, E.G.	Fwds design of quenched spark gap receiver.W To---Ack receipt; comments.5/27.
98158	5-21	Baldwin, N.	Gives reasons for delay in making delivery and reqt. Bureau try out head band fwded.W To---re fitting headband.6/7.
98492	5/28	Wireless Spe.App.Co.	Advises against purchasing Galena crystalls in bulk for radio receiving set. States should be fitted by experienced engineer.W To---request copy of reqn 5419. 5/31. Wireless Co. fwds enclosures.6-3 To---Ack.6/4.

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RECEIVING & SENDING SETS. radio 1913

Number.	Date.	From or To—	Subject.	
91814	2-27	At.Flt	Lowenstein receiving set; fwds additional report from WYOMING.W To Lowenstein.Fwds copy.3/10. Fwd NY.3/10. EB S-10	
91905	2-24	N.Baldwin	Qotes price for receiving set. W To---Fwds spcfns; requirements.3/14. TO -- requirements. 3-27	
92024	3-6	Plecher, A.	Had received notive Bu. is using his Siren rotating spark gap at Arlington; asks who installed same. W To---3/10.	
92066	3-8	At.Communication Co.	Meissner spark gap; fwds copy of letter to NY re test of.W.	
92660	3-12 3-17	NY S&A	Reports only 4 type 1-P-76 receiv.sets on hand. W. Ret S&A.Rec six months' supply be purchased for stock at NY yard.3/18.	
93194	3/23	At. Flt.	Reqt auth. to transfer BELLINI TOSI direction finder from BAILEY to Flag Ship for further test.	903
93291	3/25	To Cavite via Asiatic Flt. To NY and S&A.	1-P-76 receivers; request shipment of four NY to Cavite for Asiatic Fleet.W	
No #	4/29	To S&A	Bu.recn.345; bids for radio transmitting and receiving sets. $10,000. R	

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N.S.E. Form 134.

RECEIVING & SENDING SETS. RADIO. 898 1912

Number.	Date.	From or To—	Subject.
93393	3/21	Nathaniel Baldwin	Relative to further tests on his receiving sets. Fwds check for $4. covering cost of special cords.W For reply see 91205-898
93630	3/28	NY	Relative to shipping of 1-P-76 receivers to Cavite.W
93870	4-1	Marconi Co	Cerusite detector: asks if report has been received from SALEM. W. To---Report not received.4/2.
94491	4/9	To Washn. & S&A.	Radio receiver: request shipment of one 1-P-76 to Wireless Specialty App.Co.~~W~~ RB 4-14 Fwd S&A desired that receiving set be shipped to Co.4/16.
95051	4-15	Wireless Spec.App.Co	Reqt. Bu eau purchase special I-P-176 detectors satisfactorily tested on SALEM ~~and~~ at Chasn.W To NY Purchase 10 and send one to Jupiter 4-19 NY.4/24.states recn.forwarded.W
95071	4-11	Marconi Co	Fwds Cerusite detector for examination. W
95133	4/16	Wireless Improvement Co.	Transmitting panel sets 2-kw: states have surplus stock and quotes price covering same. Also fwds specifications.W Fwd.Dept.4/18 RB 4-24 Fwd NY- test 5/1 RB 7-12
95327	4-19	TO SALEM & S&A	Heterodyne receiving set; ship to Bu. Standards.W S&A 4/22.instructions will be followed.W Fwd GSK Wash. 4/23 RB 5-1 Fwd S&A 5-2
317	4/23	Wireless Spec.App.Co.	Amplifones, re change in delivery, states seven already sent to New York.

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RECEIVING & SENDING SETS. Wireless. 1912

Number.	Date.	From or To—	Subject.	
85203	12/16	To Wireless Spe.App.Co.	Receiver cords for double head receivers; Requests sample and description. (Bid on NY reqn.682).W Fwds sample of head receiver cord.12/18.	
85636	12/19	At. Flt.	Radio installation, recommends changes in, make and break keys, spreaders for side aerials, changing variable speed motor generators, receivers capable of receiving wave lengths of 6000 meters.	493
85835	12/24	To Washn.	Manufacture of radio receiving set, experimental type. (Dr.L.Cohen inventor.) Expenses chargeable to EofV. W	
86450	12-27	Baldwin, N.	Receivers; fwds by mail and quotes price for same. W. To---Reqn prepared for.1/4. 1913	
86880	9-6 1-4	Cavite NY	Perikon detectors; Chalcopyrite cups for; no longer used;reqt. instructions re filling Cavite's reqt.for.W Fwd S&A- with recommendations 1/9	
87390	1/13	To Key West & ARKANSAS	Silicon-Arsenic detector, delivred to G.H. Clark by WIRELESS SPEC. App.Co. Requests be invoiced to ARKANSAS instead of KEY West.	121--6
90688	1/26	C.O.	WANNING: Wireless Spec. Co's receiving set, fwds diagram showing additional double throw switch to secondary circuit.operates satis.	203--6

N.S.E. Form 134.

RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.	
88153	1-14	Baldwin, N.	Ack. purchase of receiving set submitted and asks if Bureau can use any more.W. To---data re test of telephones; asks price.2/13.	re
89239	1-31	Marconi W.T.Co.	Invites attention to a new radio detector patented by T.H.Lyon made of Cerusite crystal. W To---Bu desires to test one on SALEM: asks price.2/7.	
89272	2-1	H-C Co	Radio/telephone head ; fwds sample of modified set.W. To---Ack: will be tested.2/5. To---Returns receivers, comments.3/10.	
89771	2-8	Marconi Co	Cerusite detector; quotes price and will send one to SALEM as requested.W.	
89795	2-1	At.Flt	Report on Lowenstein radio sending set installed on WYOMING for test. W Fwd NY.2/10. RB 2-19	
89936	2-6	G.H.Clark	Recommends stations be supplied with cheap receiving sets for ~~line~~ listening in purposes.W	
89895	2/10	To Washn & S&A	Request shipment of six audibility boxes, delivered under NSA reqn Bu.219, to yards and stations specified.W Phila reports receipt after SALEM left.2-18 To-Phila. &S&A shipment 2/25	
90104	2-12	Austin, L.W.	Reports on Baldwin I-P-76 receiver and H-C head receiver.W.	
90221	2-13	Marconi Co	Cerusite; reports delivery to SALEM for test.W	

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RECEIVING & SENDING SETS. 1912

Number.	Date.	From or To—	Subject.	
✓ 81019	10/25	To NY T	Heterodyne receiver; directs have SubInspr Hill examine at Bush Terminal Satufday.W	
81661	11/2	Wireless Spec. Co.	Personal letter re new type of 1-p-76 minature type, canal zone set, lyden jars, micrometers, adjusting detector.	876
✓ 81887	11-2	Cohen, L.	Reqt. Bureau undertake development of receiver on new principal; which practically eliminates interference.W. To---Bu desires interview·11/8.	
82287	11/9	Telefunken Co.	TBDS will install 2 new detectors and stand, free of charge on, equipped with their instruments.	496
✓ 82623	11-9	Howard, A.	Re his improved detector. W. To---Bu solicits full description.11/15. Howard reports further.11-19	
82615	11/14	To C.OL	SYLPH: requests detector be returned to Bu. of standards.	423--6
✓ 82984	11-12	M.Is 1336	Receiving set made up by E. Reber.W. To---test approved·11/20.	

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RECEIVING AND SENDING SETS, 898

Number.	Date.	From or To—	Subject.	
83526	11/25	C.O.	STERETT: FESSENDEN receiving set unreliable reqt Wireless Spec. Co's set.	411--6
84012	12-2	Wireless Spec.Co	Reports 1913 type I-P-76 receiving set ready for test. W. To---Reqst set be fwd for test at Arlington.12/3.	
83998	12-2	NY 855-705	Will send long distance signals Dec.4th with Lowenstein transmitter delivered under contract 17471; reqt. Bureau Standards listen in.W. To---Gives result of test.12/7.	
84198	12-4	Wireless Spec. App.Co	New type 1-P-76 receiving set; quotes price on; will forward one to Washington Yard for test this week. W.	
84420	11-29	State Dept	Fwds report from Consul General Paris on Bellini-Tosi direction finder.W.	
84708	12/10	To S&A	NEW ORLEANS, reqt shipment ,Wash to N.O, of a Federal Telegraph Co. radio receiving set for use in connection with tests.	821
85290	12-16	Cohen, Louis	Fwds patent specns and diagram covering his new. W To---Willing to purchase data for construction of receiver for demonstration purposes.12/20.	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
76129	8/19	Wireless Specialty Co.	1,000 meter receiving sets. Requests duplicate prints of aerials for use in connection with test of. Invites attention to error in rate of capacity of aerial at New York yard.W To--directs communicate with N.Y. 8/20	
76705	8/?	Andrew Plecher	States system has gone beyond experimental stage, and requests opportunity to build two stations, Miami and Colon.W To--Information not sufficient to judge 8/27	
77052	8/29	Wireless Spe.App.Co.	Miniature I.P. 111 receiving sets. States have ten sets ready for delivery, and quotes price.W To---Will place requisition.9/3.	
77333	9/4	E.G.Siggers	Andrew Plechers receiving set and method of grounding; fwds drawing and explains advantages of.W TO -- not in position to take action 9-7	
77384	7/31	Nathaniel Baldwin	Writes further relative to his receiving sets.W	
77981	9/13	To Wash	Frequency buzzers for radio station, fwds regn covering, mfrd by ~~Signal~~ L.M.Ericsson Telephone Co. W	

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RECEIVING AND SENDING SETS: 898 1912

Number.	Date.	From or To—	Subject.	
78446	9-17	Holtzer Cabot Co	Fwds sample of radio head receiver.W. To--Will be tested 9/20 To-- reports 10/5 Will submit larger samp.10-7 To Clapp) Eastham - reqs. return 10/9 To-Holtzer-Cabot, returns 10/19	
78581	9-21	Spec. Wireless App.Co	Reqt. authority to examine all I-P-76 receivers on ships of fleet during moblization.W TO -- No general overhaul desired.9-24 TO At Flt reqt. facilities for rep.to inspect sets.9-24 To-permission granted 9/25	
78626	9-21	Telefunken Co	Double head telephone receiver for radio work; reqt. test of one manufactured by Weston Elec. Co. W TO --Fwd 2 sets for test.9-24 Telefunken fwds sample 9-26	
78718	9-24	TO NY	Prepare reqn. for 8 sets 1-P-76 rec.sets.9-24W	
80191	10/14	To C.O.	SALEM: 1-P-76 receiving set, turned into store on survey #2, in good condition.	384--6
80465	10-12	Baldwin, N.	States receivers on which Bureau made adverse report worked fine; states probably Bu. made an error in testing.W. To--Quotes price at which will purchase	10/19
80587	10-16	Wireless Spec.Co	Purchase of perikon detectors; fwds statement and list of business transacted between Dept and Company covering detector invented by Picard. W. To-- lists 10/23	
80492	10/8	Wireless Spec.app.Co.	Reqt instructions for Improved I-P-76 receiving sets. W Company forwards booklets.10-27 To---Ack.10/24.	
80779	10/22	Exp.Sta	Bellini-Tosi, direction finder, wave length used during test, 600 meters.	903

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RECEIVING & SENDING SETS. 1912

Number.	Date.	From or To—	Subject.
74690	7/31	NY 855-705-659	States F.Lowenstein's transmitter, schedule 4250, ready for test August 2d. Recommends signals be taken by Bureau Standards.W To---No signals were detected at Bu.of Standards.8/3.
74377	7/27	To NY,Washn,S&A	Telefunken radio station tester; request shipment, Washn to NY.W
75000	8/5	Colon via Key West T VOID	Have found necessary to order radio set being purchased in Panama, to Camp Elliott for inspection and test.W
74982	8/2	CLapp-Eastham Co.	Notes approval of their 1-kw transmitter for small vessels and submarine boats. Refuse to definitely commit themselves as to adaptability for wireless telephones.W
75059	8/5	Wireless Spec.App.Co.	Detector crystals: objectsto furnishing for instalation by Navy electricians; rec. be inserted by company. W To---Will see that regns call for detector cups instead of for crystals alone.8/12
75058	8/5	Wireless Spec.App.Co.	Special receiving set for receiving at 10,000 meters: reqt to be furnished with minimum antenna capacity. W To---Fwds prints.8/16.
75141	8/5	NY	States stock of 1P-76 receiving sets reduced to 11; requests instrns. rel to renewal of. W

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RECEIVING SETS: 898

Number.	Date.	From or To—	Subject.	
75114	8/5	Wireless Spec.App.Co.	Rec.sets, 1P-76; states have 15 sets in stock. W	
75191	7/30	Baldwin, Nathaniel	Fwds two receiving sets for test; gives description and instructions for use of. W To---Ack.receipt; will be tested.8/7. To---set tested and returned.8/16.	
74895	8/3	To N.Acad. & S&A	Quenched gap; Recst shipment from Washn yd to Naval Academy.W	
75455	8/7	Expr.Sta. 1198	Fwds.STRINGHAM'S rept.on radio tests for week ending July 27th covering Bellini-Tosi direction finder.W	903
75658	8/13	Wireless Spe.App.Co.	Aeroplane receiving and sending sets; asks if Bureau contemplates ordering a quantity.W To---Not contemplated to place any orders at present time.8/16.	
75649	8/10	Andrew Plecher	Relative to use of earth antennea with his receiving and sending sets.W	
75670	8/11	Andrew Plecher	States has ordered a diagrammatic sketch with complete station with his resonant system, sent to Bureau. Claims to be pioneer. Objects to establishment of German and English stations when Americans hold pioneer patents on all important improvements.W To-- 8/19	
75789	8/14	Wireless Spe.App.Co.	Fwds Seabury detector for test at wireless laboratory.W	

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RECEIVING & SENDING SETS. 1912

Number.	Date.	From or To—	Subject.	
69248	5-20	Radio Laboratory	Reports on test of Clapp Eastham transmitter. W To Clapp-Eastham Co. Gives report of test. 5/28.	
70112	5-31	Clapp Eastham Co	1-kw transmitting set;reqt. explanation of certain poi nts in connection with test report.W (T)to---Will make addtl prel.test 3d.6/1.	
71084	6/5	Colon	Reports on new type detector received from Wireless Spec. Co.	808
71293	6/9	CO	CAESAR: Relative to status of perikon detectors on board	146-6
71437	6-13	CO	NASHVILLE: reqt. new receiving set.	306-5
72025	6/25	To NY	Bellini-Tosi apparatus; upon completion of antenna and fittings, directs prepare for shipment to Expr.Sta.for test by STRINGHAM and BAILEY.W	
72428	6-28	NY 936-855-70	Reports on test of transformer and 10 kw enclosed spark gap furnished by Wireless Emp.Co. for Key West. W	
72199	6/24	Penaa.	Reports on receiver in use and suggests Wireless Spec.Receiver be sent to replace Mass.Wireless Co.	827
72915	6-28	NY 936-855-21	Test Bellini-Tose direction finder; reqt. be prepared for shipment and test of STRINGHAM or BAILEY. W To---reqst nec.scrap wire be shipped to Expr.Sta.7/9. To Res.Torp.Group.advising of rect to ship wire.7/9.	

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RECEIVING & SENDING SETS. 898

Number.	Date.	From or To—	Subject.
74126	7/20	G.H.Clark	Reports on comparative test of Clapp Eastham and Telefunken 1-kw transmitters.W ToClapp-Eastham Co. report of test 7/30
62650		SEE CARD 18	WARRINGTON. 7/23 Asks when may expect.W NY 7/31 GSK Shipped by express to Norf today. To NY.WARRINGTON.Request shipmt of 1-P-76 rec.set.when available to Norf.7/27. TO WARRINGTON. Shipped 7/31st. 8/3.
74405	7/26	Wireless Spe.App.Co.	Have new type receiving set 1-P-111-S; quotes price.W
74401	7/26	Wireless Spe.App.Co.	Type 1-P-175 silicon arsenic detector with micrometer adjustment. Has special advantages for use in tropical zone; quotes price. Also aeroplane receiving set.W
74437	7/26	NY 936-855-73	Tests in connection with radio sets under schedule 4250. Recommends that Bureau Standards be communcated with in regard to same Monday, 7/29, at 3 P.M.W
74412	7/26	Expr.Sta. 248 Test No.211 VOID	Report on test of May-Nelson potary pump.D
74530	7/29	Wireless Spe.App.Co.	Protests against submission of requisitions calling for material for use with detectors.W To---comments.8/2. Carry several hundred jars in stock.8/6.
74596	7/30	Wireless Spe.App.Co.	States are making up 1-P-76 receiving set capable of receiving waves up to 10,000 meters.W

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Number.	Date.	From or To—	Subject.	
63995	3/19	NY	McCALL: Fessenden receiver from in in store 269--5	
64387	3-22	GEORGIA	Reports satisfactory operation relay key. Wireless Spec. Co. W To Wireless Imp.Co.Recn.293 changed to call for only relay key: separate recn.will be made for ship.3/29. To---instruns.3/29.	BELOW
64551	3-15	Griffith,D.D.	Asks if Bureau are using Slaby-arco sets. W. To---Gives reasons for discontinuing use of.3/26. To---fwds sketches.4/9. 3/29 reqst addtl information.W	
64651	3-19	NY 855-705-603	Belini-Tossi direction finder; contract 603; estimates and arr. for testing.W To---Directs proceed with test.3/28.	
64977	3/18 3/29	Plecher, Andrew Dept.	Alleges infringement on receivers.W Ret Asst Secy.gives data.4/1.	
64387		SEE ABOVE (OVER)	To Wireless ImP.Co.Quotes report from GEORGIA. 3/30. Wireless Imp.Co. state recn. not recd. 6-25 To Co.and C.O. directs CO submit recn.6/26. GEORGIA recn. sub cover relay key No.2.7-8	OVER
65570	4-5	Lowenstein, F.	5 kw transmitters; fwds copiews test results.W To---will be considered in award of cont. under schedule 4250.4/11.	
65573	4-5	NY	Re method of taking up wireless receiving sets turned in by MICHIGAN & LOUISIANA.W	
65689	4-2	Baldwin, N.	Wil submit special telephone receiver and reqt. sample of one now used by Navy Dept as guide. W To---Cannot fur.sample.4/9.	

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Number.	Date.	From or To—	Subject.
66002	4-6	MISSOURI	Fwds expenditure invoice for, turned in at Phila.W Ret.---Direct's invoice to Phila.radio sta. 4/11.
66156	4-9	At.Torp.Fleet	States STERETT is only vessel whos has elec. detector; reports transfer set from WARRINGTON to MISSISSIPPI. W
66406	4-12	NORTH DAKOTA	Special report on magnetic detector Marconi type made on Board. W
66544	4-16	NY 855-66	Turned in by MICHIGAN & DELAWARE; have been repared;reqt.instructions re issuing.W
66803	4-18	Key West	Reports receipt Telefunken receiving set from LOUISIANA Apr.15th. W
67049	4-19	Norf 2292-1855	Reports make rec.sets and detectors on board.W
67068	4-24	Lowenstein, F.	Reqt. order for 5 kw transmitter tested at NY Yd. W Fwd-NY.directs test.4/26. RB 5-1 To---NY to test.4/26.
67435	4-26	Mobley, G.P.	Fwds photo and description of his pat. break key. W To---Will test at Bu Standards if one is furnished.5/1.
64387		SEE OTHER SIDE	To Wireless Imp.Co. GEORGIA is awaiting certified bills from Co.7/10.

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.	
61746	2-8	Baldwin, N.	Has patent receiver set to use in place of ordinary telephonereceiver.W. To---If desires test, requests fwd full description of.2/23.	
61818	2-21	NY	Reqt. instuctions re sending approved type W-S Co. receivers to Key West in view of the fact that 2 have already been furnished.W. To---Directs hold in store Imp.Type 1-E-76 receiver ref.to in 40879-898,6/10/11. 2/26.	
61858	2/13	C.O.	TRIPPE: Telefunken receiving set not desired: Wireless Specialty receiver installed and working satisfactory.Have transferred to BURROWS.	448--6
62060	2/24	Bost	Wireless Spec. receivers received from NY urgently needed at station, reqt permission to stub out	843
62024	2/20	C.O	MISSISSIPPI: reqt head receivers for:	291--6
No #	3/1	To Norf.	Silicon detector, item 2, Norf.reqn.670; Bu.has rec.item be canceled. Requests reqn.be submitted for Pyron detector.W	No.#
62650	2-27	Norf 1260-1855	TBDS; reports those on board W To---,WARRINGTON,S&A.Reqst shipment of Fessenden rec.set,Norf.to Phila.for MISSISSIPPI. 3/6.	CARD 20
62512	3/1	CARD 20 Phila	MISSISSIPPI: induction coil for; have one in store and recommends furnishing in lieu of purchasing new	291--6
62783	3-4	Jones, R.E.	Reqt. that Navy Head Bend wireless receiver be sold to him. W To---Bu obtains from Wireless Improvement Co.3/6.	

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RECEIVING & SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
62950	3-5	Baldwin, N.	Fwds drawings of his telephone receiver for wireless work.W To---Receiver too large. Watch-case type desired. Suggests make up pair and fwd to Bu.3/7.	
62926	3/2	C.O.	FLORIDA: reqt I-P-76 tuner in place of Fessenden receiver now on board.	205--6
63234	3-9	Wireless Spec.App.Co	Reqt. Bureau submit requisition covering relay keys sent to GEORGIA and Mr.Todd.W (T)to Colon. Asks whereabouts of relay key.3/15. To GEORGIA. Request report of test.--To NY.Reqst copy of cont.#203.3/15. To---Bu.reqn.#293 made to cover.3/26.	
63524	3-12	NY 855-705-595	Reports receipt of Belini Tosi direction finder; reqt. instructions re testing.W	
63497	3/13	To Torp.Flo.,At.Flt.	Request names of TBDS whose radio receivers are furnished with electrolytic detectors only. Will approve substitution of leyden jar condenser,PRESTON, after July 1st, if recommended.W	
63537	1/12	Futuila	Reports receipt of receiver, etc. Asks for what purpose intended, climate bad on instruments stored.	846
63804	3-18	Colon W	Wireless Specialty relay key is in righthand compartment apparatus lockers, Washn Yd. From Clark.) W	
63932	3-15	NY 855-62	Rotary spark gap rec.set: prints and est. for manufacturing ten (10). W To Washn. fwds prints: reqst est.for construction of this type.3/20. Washn.3/29 gives estimate.W To Washn.Yd.directs proceed with mfr.4/1.	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
59274	1/22	To STRINGHAM, DOLPHIN, and N.ACADEMY.	Forwards copy of directions for operating the transformer and cuenched spark gap of wireless set.W	
59269	1/22	To C.O.	DOLPHINE: fessenden receiving outfit, directs transfer to Washington Sta.	189--6
59711	1/27	To NY	Transformers and cuenched spark gaps delivered under NSA Bu reqn.188.directs acceptance; Directs install one set on ROE; ship as follows: one set each to MARS, HECTOR and VULCAN four to Cavite for Asiatic Fleet. Fwds copies of Directions for Operating.W	
59744	1/26	C.O.	Dolphin: reports transfer of FESSENDEN receiving set to NY	189--6
60071	1/29	C.O.	PAULDING: reqt Marconi receiving set be replaced by 1-P-76 receiver	337--6
60136	2/1	To NY	Requests whereabouts of variable condenser for receiver of 1-K.W. Telefunken set, Bu.reqn.82, which was to be shipped to Naval Wireless Laboratory, Bu.Standards, for test.W	
60127	2/1	To At.Flt	PORTABLE SET: Pocket receivers being purchased for use during target practice: instructions to use, and requests special report on results obtained.	897

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Number.	Date.	From or To—	Subject.	
60417	2/5	Wireless Spec.App.Co	Fwds invoice for one 1-P-76 receiving set shipped to wireless laboratory. W. TO---Regn.255 submitted for payment. Receiver has been placed on NEW HAMPSHIRE. 2/10.	
60573	2-5	NY 91-33	States variable condenser for 1 kw Telefunken receiver shipped Washn Yd.W Fwd Washn.Requests be delivered to Bu. of Standards.2/7. RB 2-17	
60523	2/6	Key West	COLON: quotes wireless from COLON: states HANNIBAL's TELEFUNKEN detector insufficient reqt transfer of receiving set in possession of sub-inspector, re-inspecting BALLOA SITE.	808
61316	2/15	To Washn.	Bu.regn.188 for pyron detectors; have been tested at Bu.of Standards. Two are in use in experimental portable sets; and directs invoice two to STRINGHAM and BAILEY.W	
61409	21-6	Clark, Geo.H.	Fwds report on tune shifter.W. Fwd Washn.Reqst estimate of time and cost for mfr.2/17. RB 3-16 Fwd Washn. Directs mfr.3/16.RB 3-21	
61206	2/14	NY (To)	McCALL: & detectors, asks for data on those on board	269-6
61438	2/16	NY	McCALL: has on board one perikon detector and imp. type 1-P-76 receiver	269--6
61486	2/17	To Norf.	Request report of types of wireless receivers and detectors in use on board destroyers now at yard.W	
61542	2-14	NY 926-250	Fwds prints of directions for using transformer with quenched spark set. W. To---Reqst rec concerning the arc operation described on sheet 12.2/20. Arc operation used by Lowenstein; since discontinued for spark operation.NY 3-2	

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RECEIVING & SENDING SETS. 1912

Number.	Date.	From or To—	Subject.	
✓ 57439	12/21	Pug.Sd 269	Reqt. authority to carry one 1-P-76 set in stock. W To---appd.1/3.	
✓ 57536	12/27 1/2	NY S&A	Reports Telefunken set from LOUISIANA received in damaged condition.W.	
✓ 57537	12/27	NY	Reports Specialty receivers 231, inspected; unsatisfactory; received from MICHIGAN. W To Key West. Repairs necessary before shipment.1/3. To---Reqst information re shipment of receivers to Key West.3/30.	
57686	1/4	To C.O.	FLORIDA: test of Wireless Specialty App.Co's detector Type 1-P-172 was satisfactory, but price is unreasonable.	205--6
✓ 57829	1/2	Plecher, A.	That will ~~send~~ receive only from special transmitter; states patent is now pending; asks if Navy will undertake test free of cost.W To---Willing to test; solicits drawings.1/10.	
✓ 58094	1/8	NY 936-855-45	Reports on test of plate condenser submitted by Wireless Spec.Co. W To Wireless Spe.App.Co.Fwds extracts; reqst price on condensers.1/13. To NY approves form of condenser.1/13.	
✓ 58076	1/9	To NY T	Requests number type one p.76 wireless receivers under contract not assigned.W	
✓ 58173	1/10	NY T	9 type 1-P-76 receivers under contract unassigned.W. To M.Is. & S&A. Shipment of five requested, NY to M.Is.-- (T)to---Directs submit reqn. for 15 type 1-P-76 receivers.1/10.	

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Number.	Date.	From or To—	Subject.	
58334	1/11	To Expr.Station	Aeroplane sending set used in wireless experiments. Forwards bill from National Electrical Supply Co., and asks if all itmes have been received. Directs return To Co. of motor-gen.and wire ammeter borrowed.W BAILEY: returns bill all items recd.1/17 Fwd S&A. in conn.with Bu.recn.243. 2/2.	
58740	1/16	NY PO T	Wireless specialties receivers; gives price and asks if satisfactory. W (T)to---Bid of Wireless Specialty App.Co. satisfactory.1/18.	
58689	1/16	To/Colon	& PORTO BELLO: Perikon detectors; recn made for two; requests report after trial.	808
58988	1/15	Plecher, A.	Rect. aid in getting his invention for wireless receiver,etc. before Congress.W To---Bu.will examine prints if furnished.1/19.	
59065	1/17	Plecher, A.	Asks that Bureau build antennae and furnish address of manufacurers who will manufacture his apparatus. To---Gives names of firms mfg W.T.apparatus.1/22.	
59085	1/19	Exp. Sta	TESTS: fwds report from Bailey on result of Wireless Specialty I.P.S.C.receiver	903
59185	1/19	Wireless Spec.Co	Comments on report of test of plate condensers.W To---Noted.1/23.	
59230	1/19	Wireless Spec.Co	Fwds photos of type 1-P-76, 1912 series, Set.W To---ack.1/23.	

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
55781	12/8	NYp	Reports on inspection and test of quench spark gap and transformers delivered under Bu reqn.188. Recommends no further installation of quench spark gaps delivered under this reqn. until report has been obtained from BAILEY, STRINGHAM and DOLPHIN.W Fwd C.O. DOLPHIN, STRINGHAM and BAILEY; Reports desired 12/12. RB 12-19 To Fits, Yds, Ships, & Lt.House Inspector-Fwds copies of NY Print showing	OVER.
55609	12/9	To NY	Rotary spark gap, suitable for 2-k.w. 60-cycle set; rect plans and estimates for a simple construction be submitted. W	
55698	12/6	NY	Test of Clapp-Eastham sets, reasons for delay in	876
55783	12/9	NY	Apparatus, cont.12874; states these quench spark gap outfits best results cannot be obtained with turbo-generatos, etc	876
56072	12/14	To NY	Reqn.202, 7 receivers latest type 1-P-76 to be delivered to NY for WISCONSIN, ILLINOIS, PENN, TENN, KEARSARGE, KENTUCKY, and Arlington Station; directs receiver for Arlington be shipped to Washn Yd. after inspection and test. W	
56323	12/16	To S&A & Washn	Fessenden sending inductances; rect shipment from NY Yd to Washn for wireless laboratory.W BLRB 1-8 Ret S&A.Reqst one U-55 turn inductance be shipped in place of the 40-turn.1/10.	

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Number.	Date.	From or To—	Subject.	
56513	12/19	To NY	Marconi valve tuner; ordered shipped from Washn to NY for return to Marconi Co. W	
		To S&A	Reqt shipment order for. W	
53064		See cards 13 and 14	At.Flt,MAINE.12/22.	
No #	12/23	To Washn NPO	Bu.Reqn.#202; wireless receivers; rec. acceptance of bid of Wireless Spec.Co. R	
57006	12/21	Andrew Pleacher	States has patented a receiver which cannot be influenced except by transmitter built for same. Reqsts test.W To---Reqsts further information.12/29.	
57046	12/27	To W.D.Terrell (T) VOID	Directs ship to Annapolis duplicate Edison battery outfit	
55781		From Other Side.	proper method for connecting secondaries of transformers of Telefunken w.t.sets.12/28. To Pug.Sd.Fwds prints showing method for connecting secondaries of transformers.12/29.	
		1912		
57280	12/29	To C.O.	DELAWARE: reqn 90, reqt further information rel Item 24, for crystals for perikon detector. Directs submit requisition for crystals	182--6

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RECEIVING AND SENDING SETS.

Number.	Date.	From or To—	Subject.	
54324	11/5 11/23	CHESTER At.Fleet	Wireless receivers; states none packed or awaiting shipment.W	
54186	11/19	Clark, G.H.	Invites attention to special syncronous rotating spark gap, recommends Chasn. Make 5 for use at Southern Stations. W Fwd Chasn-Directswork; reqn for motors will be appd.12/6.RB 4-4 To Chas.hold up matter till Mr.Clark returns.4/6.	
54428	11/21	Phila. 2034	Reqst Vandykes of impedence coils.W To-Fwds.prints, vandyke later.12/1.	
54409	11/24	To S&A	Exp. spark gap: reqt shipment from NY Yd to Chasn.	
54522	11/24	C.O.	ROE: reports receipt of a PICKARD receiving set and requests instructions re disposition of FESSENDEN set	381--6
54674	11/28	To Washn	Relay key; directs mf of one similar to that installed in Yd. W	
54760	11/28	To Chasn	Shipment of exp. quenched spark gap from NY Yd. for use of G.H.Clark authorized; Clark will report and adjust Yd station in about two weeks. W	
54759	11/28	To Washn	Telefunken 1-kw quenched spark gap set ordered shipped from NY YD. for test at Bu. of Standards; reqt be fwd to. W	

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Number.	Date.	From or To—	Subject.
54859	11/29	Clapp-Eastham Co.	Notes report on quenched spark gap ~~receiving set~~, and replies to criticisms.W To--Will make further test of 1-k.w. transmitting app. with later type appliances.12/4.
54892	11/29	To NY	Directs test of two 5-k.w. induction coils and a 10-K.W. quenched spark gap from Wireless Spec.App.Co. W in connection with supplying set for Key West. W To Wireless Spec.App.Co-If desire test of quenched gap and transformer, deliver to NY Yd.12/1.
54937	11/29	Washn	Reports delivery of pyron detectors on reqn. 185 on the 28th inst.W
55017	12/2	To NY	Reqn.251, NSA Ports.; directs one spark gap, Telefunken dielectric type, be furnished. W NY 12/18.Not in store: if purchase desired, reqst print and spcfns.W To--Gives inf.12/27.
54964	12/2	To NY	NSA Bu.Reqn.188; directs expedite inspection and test of quenched spark gap and transformers. W
55333	12/5	Clapp-Eastham Co.	Quotes price on quench spark gap transmitter recently tested at New York.W To--Noted.12/11.
55348	12/5	NY 736-855-41	Reqsts sets to be delivered by Wireless Specialty for test be not delivered until 1st prox.W
53064		From Card #13. See card 15	To Key West-States shipment directed Card 15 to, receivers from MICH. & LOUISIANA.12/7. To Phila, MO.12/8. To At.Flt-GA., MONT., R.I., MICH., OHIO, IDAHO, MO., N.CAR., LA., DEL., MISS., MAINE.12/8. BLRB12-272 RHODE ISLAND 12/12. Gives number. OHIO 12/12. IDAHO 12/14. MONTANA 12/14. BLRB From Atl.Flt.12/16 GEORGIA 12/14 MISSISSIPPI 12/15. NO.CAROLINA 12/17. BLRB Atl.Flt. 12/20

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RECEIVING & SENDING SETS:

Number.	Date.	From or To—	Subject.	
50392	10/6	Telefunken W.T.Co	Asks if telephones and cord &c. sent to Washn Yd. for test, under contract 101 are satisfactory. W. Fwd Washn Yd. for comment and rec. 10/7. RB 10-12 To---States satisfactory. Asks if can furnish horizontal type receiver. 10/31	
41702		SEE CARD 9	To NY Asks if Wireless Specialty App. Co receiver has been shipped to Norf; If not, directs shipment. 10/10. RB 11-16	
50866	10/11	Telefunken W.T.Co	Quotes price on sending and receiving sets complete; 1, 1-1/2 and 2 kw. W Fwd NY. Directs insp. Asks if any can be used for ship use. 10/14. RB 10-19 Urges acceptance. 10/13.	
50897	10/7	Standard Wirelss Equip	Reqt. authority to sumit their receiver to one of the Pacific Stations for comparative test. W Fwd M.Is. Directs arrgt with writer to ship set to yard for test at yd. 10/14. RB 12-6	
51177	10/12 10/14	NY S&A	5 sets for M.Is. just passed inspection; will ship by express Oct. 13. N Ret S&A. Noted. 10/24.	
51845	10/13 10/22	Norf At.Flt	Reqt. information re disposition of set turned in by KANSAS. W Fwd S&A. Reqst shipmt of received to Washn yd. 11/4. RB 11-22	
51982	10/26	To NY	KEARSARGE: Wireless transmitter; requests that prints be forwarded to Phila Yd.	257-6
52082	10/26	NY 855-705-466	Reports inspection of 1 and 2 kw sets, Telefunken and recommends purchase. W To Dept. Reqst auth. to submit reqn. for Telefunken sets for TBDS. 10/28. RB 11-1 a'ppd Fwd At.Torp.Flt. 11/3. RB 11-7	

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Number.	Date.	From or To—	Subject.	
✓ 52357	10/30	Clapp & Eastham Co	Fwds phtos of 2 kw quenched spark gap transmitting; also asks if report on t h those submitted to NY for test, has been received. W Fwd NY.report required.11/4. BB 11-21 To---Will advise as soon as test results are received.11/20. To-Prel.report.12/1.	
51894	10/31	To S&A	Shoemaker relay key; reqst shipment from NY yard to Jupiter.	816
52455	11/1	To NY	TEST: COHERERS, asks if there is a set in stock	903
✓ 52794	11/2	Wireless Spec.Co	Pickard receivers; fwds bill.W.	
✓ 52832	11/6	Telefunken Co	Notes approval of horizontal type receiver and pyrites detectors; will submit improved design of latter.W . To--Ack.11/9.	
✓ 53064	11/5	At.Flt 1593	Receivers; fwds report on distribution of. W To Norf--Shipt reqtd from N.HAMP, to CAESAR.12/7. To NY--Directs repairs to turned in by MICH & DELAWARE.12/7. To S&A-Reqt shipt orders for above.12/7.	See Card #14.
53821	11/17	To Norf. T	Directs deliver wireless receive to ROE with invoices. W	
53959	11/17	NY 936-855-35	Reports test of Clapp Eastham 1 kw transmitters. To Clapp-Eastham Co-Quotes from report and makes suggestions for bringing set up to requirements.11/27.	
53875	11/18	To Washn.	Pyron detectors; fwds copy reqn 188, Bu. Directs advise Bu.when received.W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
48847	9/14	NEW HAMPSHIRE	Reports turning into store wireless receiver received from OHIO for special work.W To - instructions re invoicing 9/19 Reports. 9/29	
48907	9/8	Telefunken	Detectors; reqt. order.W. To - asks if will furnish quenched spark gaps and transformers for 2 & 5 K.W. sets already purchased 9/26	
48792	9/14	NY	Spark gap developed by F.J.Simon; present for test by Nat. Elec. Sig. Co. Reports on test. To Norf. instructions re invoicing 9/20	901
48752	9/16	To C.O.	MISSISSIPPI: approves turning in of defective Stone receiving set, directs invoice price be corrected.	291--6
48982	9/14	Norf	Asks that disposition to be made of wireless receiver turned in by NEW HAMPSHIRE. W	
49032	9/20	TO M.Is.S&A,SAN FRANCISCO TENNESSEE:	Directs shipement of Wireless Spec. receivingsets from NY to CINCINNATI: SAN FRANCISCO: TENNESSEE: SITKA. W	
49080	9/20	Telefunken Co	Cont.101 Reports shipment of condensers & detectors to Wash. by express and fwds prints describing same	629
49248	None	No letter	Fwds nstructions for operating relay key, with prints.W.	

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RECEIVING & SENDING SETS: 898

Number.	Date.	From or To—	Subject.	
49407	9/20	Standard Wireless Equip.Co.	Reqt. test of receiver.W To--States not prepared to test at present.9/30. Fwd M.Is.--Reqt inspection, if considered desirable.9/30. RB 12-5	
49430	9/25	TO Chasn; Norf; Key West Pensacola, & S&A	Relative to shipment of inductances for use of G.H. Clark during inspection visit.	
49511	9/22 9/25	Boston Assoc.Factory Mutual Fire Insur.Co. Dept VOID.	Reqt. information re use of Peck valves.D.	678
49456	9/13	TO S&A	Reqt. shipment of receivers to Guam and TENNESSEE. W.	
49696	8/21	NEW ORLEANS:	Submits additional commendatory report on spark gap desgined by Chief Elecn. E. Sirbeck. W	
49685	9/28	TO NY	Listening in key; reqt. prints.W.	
49892	9/13 9/29	Nav.Attache, Paris S&A 10692	Bellini-Tosi direction finder apparatus; reqn.75; asks if free entry is possible.W	
50309	10/2	NY 926-188	Fwds prints of listening in key for. W	
50205	10/4	TO S&A & Washn	Ship, 1-P-76 to Washn for use in Laboratory.W	
50353	10/5	Wireless App.Co	Fwds copy of letter from their engineer to NY stating that type I-P-76 receiver rejected on contract 500 is all right and reqt test by Dr.Austin. W Fwd NY.for comment.10/7. RB 10-18 To---Quotes comments from NY Yd.10/16.	

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RECEIVING & SENDING SETS:

Number.	Date.	From or To—	Subject.	
46010	8/11	TO Wireless Spec.Co	Type 1-P-76; directs as many be delivered as possible on contract 500 during next 2 weeks. W	
46701	8/14	Telefunken Co	Fwds detector furnished with resonance relay.W To---Adckowledges receipt.8/21.	
46848	8/21	Nav.Intel 11268	Belini-Tosi direction finder not adopted by Italian Govn. W	
47030	8/23	VERMONT	Reports receipt of Wireless Specialty Co receiver; will retain old type until after target practice. W	
46995	8/23	To S&A	LOUISIANA: reqt shipment of Telefunken receiver from Wash. Yd to vessel	268--6
47038	8/17	Ports	EAGLE: reports type receiver now on board, submits estimate for repairs, recommends new one.	195--6
47170	8/24	TOLOUISIANA	Type 1-P-76 receiver; reports are shipping Telefunken type.W	
47258	8/26	At.Flt	Additional receivers for target practice not received by certain ships.W To S&A.Reqst shipmt two receivers.8/26. ((T)to CONN. 2 receivers will be shipt Monday.8/26	
47299	8/26	Warren Steam Pump Co VOID	Suggests arrangements for furnishing prints VOID	698
47469	8/28	Wireless Spec.Co	Personal letter re new form binding post on detectors and delay in furnishing 1-P-76 receivers; states have sent relay key to GEORGIA at own risk. W To---Reqst one be shipped direct to ship.8/30. To GEORGIA.Desires test be made.8/30. TO -- key test at washn/ would be pleased.9/19	

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RECEIVING & SENDING SETS 898

Number.	Date.	From or To—	Subject.	
47530	8/29	NY	ATLANTIC FLEET: receivers for target practice, reports distribution	493
47615	8/31	Wireless Spec.Ap.Co	Reports fwding relay key to GEORGIA; gives information concerning.W Fwd NY. Reqst rec.regarding test.9/1. To---Test will be made at NY. 9/1. RB9-8	
No #	9/1	To SO. DAKOTA.	Recn SO. Transposing switch cannot be supplied without further information as to purpose to be used. W	
48090	9/2	M.Is T	Asks if any I-P-76 receiving sets enroute; only three Telefunken recd/ W Ref. NY - asks if were shipped BUF. 9/9 RB9-12 TO M.Is Distribute at discretion.9/13 Fwd NY New reqt. made for 5, for M.Is.9/13 RB9-21 TO M.Is (T)None enroute.9/13	
48362	9/11	NY	Those for M Is. held in accordance with Bureau letter May 5th; none used; one for BUFFALO not shipped.W.	
48554	9/13	Tennessee	EAGLE: directs transfer ofWireless spec. Co. receiver.	195--6
48700	9/15	TO At.Flt NY	Wireless receivers; re distribution among fleet. W To - instructions for distribution 9/15	
48723	9/12	NY	Cont.12899: Telefunken Co. Reports on disposition of detectors & receivers rec'd under.	629
48807	9/15	SOUTH CAROLINA	Reportson test of Marconi magnetic detectors.W	

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RECEIVING & SENDING SETS.

Number.	Date.	From or To—	Subject.	
43000	7/7	Wireless Spec. Co	Quotes on detectors made of iron pyretes. W	
43168	7/10	TO NY	Transmitter inductances for; reqt. vandyke.W	
43279	7/10	L.de Forrest	APPARATUS: quotes price on 2 kw quenched spark set for delivery M.Is.	876
43426	7/16	New Orleans	Fwds photograph and description of Mercury Vapor noiseless spark gap, originated by E. Sirbeck, Chief Elecn. W To --- Thru asslatic.Flt. Not of sufficient value to warrant patenting.7/14.	
43591	7/13	Telefunken W.T.Co	States application on iron pyrites protectors has been allowed; form has not yet taken place.W.	
44000	7/16	LAMSON	Reports receipt of Wireless Spec. receiver on regn. 47; VIRGINIA not yet transferred receiver; reqt. order be cancelled.W. To---Receiver may be retained; directs transfer of Marconi receiver to VIRGINIA. 7/29.	
44009	7/17	SOUTH CAROLINA:	Reports no Wireless Spec., old type on board.W.	
44029	7/18	NY 926-145	Fwds vandykes of transmitter inductance.W	
46010	8/11	To Wireless Spe.App.Co.	Cont.500; Type 1-P-76 wireless receiving sets. Requests as many as practicable be delivered within next two weeks. W	

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Number.	Date.	From or To—	Subject.	
43970	7/19	To NY	Cont.15232: quenched Wireless appa. directs inspection	629
44265	7/24	To Firms	APPARATUS: reqt quotations on quenched spark gap sets	876
44469	7/25	Nav.Intel	Bellini:Tosi direction finder: fwds copy of report from Naval Attache, Paris.W To NY Fwds copy Bu reqn.75 for set to be delivered at yd. 8/2.	
44973	7/31	TO NY	Reqt. report as to assignment of type I-P-76 sets. W	
44248	8/2	MY 1194	All 1-P-76 receiveing sets contract 378 have been received and issued; states on contract 500, 24 assigned by Bureau.W	
45309	8/3	To C.O.	NEBRASKA: perikon crystals for receivers: prefers to furnish one or two at a time owing to deterioration	308--6
45019	7/27	Stringham & Bailey	TESTS: reports on DUPLEX Key	903
45141	7/11	Telefunken Co	Cont.12899: reqt return of detectors replaced by new ones	629
45906	8/10	At.Flt	AT.Flt: reqt all ships not supplied, be furnished with extra receiving set for autumn target practice	493

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RECEIVING AND SENDING SETS

Number.	Date.	From or To—	Subject.	
41862	6/21	VIRGINIA	States Wireless Spec.Apparatus Co.'s receiver was received; old type packed as directed. W. To -- Directs old type be del.to the PAULDING. 6/30.	
41702	6/21 7/7	To At.Flt, Pac Flt, COs S&A,Norf, NY. M.Isp	Instructions for transfer and for shipment of W.T. receivers--certain vessels. W MARYLAND; none on board.W. Report of MINNESOTA. 7/15. MAINE - reports receipt of wireless receiver.8/2. NORTH CAROLINA reports receipt; old one ready for transfer.W. 9/1 WEST VIRGINIA report rect. 8/30 COLORADO reports receipt. 8/31 LOUISIANA: Reports.9/22 NRE HAMPSHIRE 9/25 NY YD.11/16.	CARD 13
41884	6/22	Garwood Elec. Co	APPARATUS: quenched spark apparatus: cont. 14811, reqt auth. to make certain changes	876
41857	6/21	Chas.	JUPITER INLET: telefunken receiver: reqt plans for wiring, installing and instructions for operating	816
42040	6/22	PRESTON	Reports Marconi receiving set transferred to the GEORGIA. W	
42108	6/23	PERKINS	Reports rel to transfer of wireless receiver from PERKINS to MISSOURI. W	
42120	6/24	NY	States Wireless Specialty received will be delivered to OHIO; magnetic detector not installed. W	

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Number.	Date.	From or To—	Subject.
42078	6/24	To NY	Directs that sufficient number of coils be furnished to give wave length of 1000 meters on colliers or TBDS, and remaining coils be to retained at Yard (Refers to Contract 12874). W
42310	6/27	TO Washn	Directs Sub-Inspector Clark submit rough diagram of receiver arrangement for shore stations. W
42457	6/26	PAULDING	Gives type of wireless tel. receivers equipped with. W To -- Directs Marconi set be del. to the NEBRASKA after old type set has been recd from VIRGINIA. 6/30.
No #	6/30	TO MISSISSIPPI	Reqn. 347 for 12 minerals perikon and 6 minerals pyron. Item changed to "One set."
No #	6/30	TO OCTOPUS	REQN. 4 for portable W.T. set. Comparative tests now in progress to determine satisfactory type for submarines. 6/30.
42860	7/5	Telefunken W.T. Co	Quotes price for Iron Pyrites detectors. W To -- Reqsts number of patent. 7/11.
42617	7/1	TO KANSAS & SOUTH CAROLINA	Directs transfer of TELEFUNKEN Spec. receiver from South Carolina to Kansas. W KANSAS reports receipt. W9/30
42620	7/1	TO Wireless Spec.Co. & Telefunken Co.	Reqt. quotations on 25 and 100 wireless detectors. (iron pyrites) W

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RECEIVING AND SENDING SETS:

Number.	Date.	From or To—	Subject.
39789	5/27	TO Brook (NY Yd)	Asks if wireless receivers, imp. type in stock. W
39856	5/27	Marconi W.T.Co	Quenched spark sets; quotes letter pointing out disadvantages from use.W To -- Comments.6/5.
Reqn 127	5/26	Ref to NY	re supplying Wireless Specialty Receivers to Smith,etc. R.B. Set for Smith has not been shipped Of the three older type 1-P-76 on Reqn 309 - one was delivered to Terry, one to Key West. Remaining set under inspn. Reqtd by MONTGOMERY. Receivers for Drayton & Perkins have been issued.
40135	6/2 6/14	To Reserve Torp.Div,Chas. and 33 vessels. To Stations.	Forwards "Instructions for 1-P-76 Set."L To Stas., Chas. & M.Is-Fwds copies,12/22. To Ships & Fleets-Fwds copies.12/27.
40328	6/2	Clapp &Eastham Co	Will ship quenched spark receivers to NY June 6th for test.N. To -- NY to test. 6/6.
40602	6/7	TO Dept	Bellini-Tosi wireless direction finder; Reqt. Naval Attache make inquiries concerning its adoption abroad. W
40619	6/7	Marconi W.T.Co	Quenched spark sets; comments on results obtained from, etc. W To -- Acknowledgment.6/13.

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REC. & Send. sets 898

Number.	Date.	From or To—	Subject.	
✓ 40879	6/10	To VA:GA:NEB:Phila,Key West,S&A. To S&A To Narr.Bay, NY	W.T.Receivers; Shipment of, cont.378. do. Reqst shipmt to SMITH. do. Reqst shipmt from NY. To NY. Directs issue of W.Spec.receiver to NY W.T.Sta., and old type be shipped to SUPPLY. 6/12. To S&A.Reqst shipment to SUPPLY. 6/12. To PRESTON,LAMSON,GEORGIA,VIRGINIA. Instructions fortransfer of receivers.6/20. To VIRGINIA. Earlier type receiver may be retained on board during battle practice.7/29.	
40984	To C.O.	6/12	SMITH: orders shipment of one type 1-P-76 from NY Yd.	402--6
40985	6/12	To C.O.	SUPPLY: have ordered shipment of type 1-P-76 from NY	422--6
41103	6/7	Pug. Sd	TATOOSH: estimate for mfg air cooled spark gap and antennaw reaction coil	838
40135	6/15	To Stations.	Forwards "Instructions for 1-P-76 Set."	
41273	6/8	NY	APPARATUS: fwds print showing transmitter inductance, type H with rack for, etc	876
✓ 41596	6/13	NY 925-855-7	W.T. call shifting appliance for receivers; fwds print and estimate for manf. W RET -- Mfr and test auth. 6/20. RB 6-20	
41469	6/16	NY	KEY WEST: recommends auth. of quenched spark gap set for, similar to that auth. for Fire Island	817

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RECEIVING & SENDING SETS:

Number.	Date.	From or To—	Subject.	
37730	5/2	Nat.Elec.Sig.Co	Break keys for; regn. 290; reqt. to be informed voltage to be used. W To -- 110,voltage required.5/4.	
No #	5/5	To S&A	Amplifones,cont.317; cancellation not desired; 2 found satisfactory,and will be shipped to BUFFALO. L	
38033	5/5	To NY and LOUISIANA KANSAS: NEW HAMPSHIRE	Inspection and adjustment of Wireless apparatus by Subinspr Clark on LA,Kan,and New Hampshire; directs work be facilitated in any way possible. L **RB 5-9 reporting vessels not at NY.**	
38033	5/	TO NY, KANSAS: LOUISIANA NEW HAMPSHIRE:	Sub;inspector G.H. Clark will adjust measurement of various wave lengths.W	
38180	5/6	NY 855-705-220	Receiving; submits plans for using with turbo generating W.T. set.W Ret -- Directs assembling and shipment for MARS,HECTOR,VULCAN,YOSEMITE and N. Acad.6/7.**RB 6-14**	
38168	5/1	To Weather Bureau Towson, Md.	Reqt. piece of carborundum for detector.W To -- Bu has none.5/11.	
38029	5/5	To S&A, Buffalo & Wash.	UNALASKA: relative to shipment of amplifones	845
38313	5/9	S&A	UNALASKA: M.Is. reporting receipt of detector shipment to: via BUFFALO	845
38353	4/25	Clark, Geo.H.	Reports on test of Wireless Specialty Co detector, pyrite crystal with flexible contact. W	
38336	5/10	To Buffalo	Unalaska: states receivers and amplifones are to be distributed at C.O. discretion	845

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Number.	Date.	From or To—	Subject.	
√ No #	5/11	To S&A	Wireless Specialty App.Co.submits bill. $350, for two amplifones, cont.317,NSA reqn.167. Bu.rec payment. W	
√ 38315	5/10	TO S&A	Request for shipment orders for W.T.apparatus from New York Yard to various points.W W.T.Stations.Advises of shipment reqst. Instructions will be fwd early date.5/18.	
√ 39128	5/17	Ericcson Mfg.Co	Reqt. to be allowed to bid on. W To --Spcfns 16-T-5 fwd.5/24.	
√ 39260	5/20	Nat.Elec.Sig.Co	Quotes price on quenched gap sending.W Fwd NY. for comment and rec.5/25.RB 5-31	
√ 39458	5/22	Clapp-Eastham Co.	States will ship one k.W. type C quenched spark set to New York Yd. for test; quotes price. W Fwd NY. Directs test, if set is submitted, and report made.5/25.RB 5-31 Fwd NY.Further instrns re test.6/5. RB 6-9	
39525	5/24	To Bostonb& S&A	MISSOURI: reqt shipment of WIRELESS SPECIALty Co' receiver, new improved type, from NY to Boston	292-6
√ No #	5/26	To NY	SMITH: Reqn.127: Asks if reqn has been filled. Asks if receivers were issued to DRAYTON & PERKINS. W	
√ 39803	5/27	NY T	6 receivers, imp. type available for shipment.W.	

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RECEIVING AND SENDING SETS.

FILE No.		From or To— (Dated)	Subject.	
36900	4/22	United W.T. Co	Break device for; reqt. Mr.Martin witness demonstration. W. Fwd NY for comment.5/3.R.B.Mr.Martin to witness. 5/9 To --. Mr.Martin will be directed to Witness.5/10.	
36928	4/18	Wireless Spec. App.	Amplifones; states unsatisfactory delivery has been replaced by set sent to Bureau Standards. W	
No #	4/21	To NY	SMITH; ship's reqn.127. Directs that older type receivers be furnished smaller vessels and improved type to battleships,etc. W	
37217	4/25	Clapp Eastham Co	Invites attention to new type quenched spark gap transmitting set.W To -- Suggests test at Washn Yd.4/28. To --.Would like test made at NY. 5/19.	
37258	4/25	At.Flt 20839	Fwds report on duplex break for use with, invented by Elecns. Hudson and Linville of the PANTHER: States operation is practically perfect.W To PANTHER. Comments.6/28.	
37252	4/26	NY	KEY WEST & COLON; recommends no action be taken towards duplicating quenched spar gaps in connection with bid of Nat. Elec. Sig. Co.	817
37411	4/29	TO NY	Fwds copy of reqn. 309 covering 3 W.T. receivers delivered by Wireless Spec. App. Co. W	
37648	5/2	TO S&A & NY	Directs ampliphones be turned in at NY and returned to Wireless Spec. App. CO. Unsatisfactory.	

RECEIVING AND SENDING SETS:

FILE No.		From or To— (Dated)	Subject.	
35602	4/6	Austin, L.W	Reports on test of old and new types 1-P-76 receivers furnished by Wireless Specialty Co. W	
35614 p	4/7	TO S&A	Receiving sets on NY reqn. 1059; contract with Wireless Spec. Apparatus Co. Reqt. to be amended to cover additional cost of $25. per instrument. W RB 4-17 Fwd S&A.Rec date of delivery of new type be made May 31st. 4/27. RB 5-11 Fwd NY P.O. 5/11.	
35850	4/6 4/7	Wireless Spec.App.Co NY	Receiving set on contract 378; states will be ready to ship within week.W	
36178	4/14	TO NY	Reqt. test of wireless call shifter by clock work so operators can be connected with three receivers at tthe same time. W	
36427	4/14	SOUTH CAROLINA	Reports non-receipt of Marconi magnetic detector; unable to make test during Battle practice.W	
36521	4/18	Wireless Spec.App.Co	Recommends perikon renewals for receiving sets be not purchased in large quantity, as they deteriorate. W To -- Acknowlegment.4/21.	
36561	4/19	TO NY	Directs plan be submitted for effective use of wireless telegraph receivers furnished by National Elec.Sig. Co. for use with Turbo Gen. Y	
36391	4/17	To NY	FIRE ISLAND: directs reqn be submitted for dynamo spark gaps.	812
36555	4/19	To NY?Norf. & S&A	APPARATUS: directs shipment of transmitting sets on cont.12874 to Norf. for installation on MARS? HECTOR: VULCAN: INGALS.	876

RECEIVING & SENDING SETS.

FILE No.		From or To— (Dated)	Subject.	
34018	3/17	United W.T. Co	Reqt. representative witness demonstration of brake device (transmitter). W Fwd NY. Bu.directs insp.and report on.3/18. R.B.3/24	
34352	3/22	TO At.Flt.	Directs test of Marconi magnetic detector on SOUTH CAROLINA. W To Norf.fwd copy NSA regn.246 for 4; directs be turned over to At.Fleet.3/23.	
34696	3/23	Wireless Spec. App. Co.	Quotes price on listening-in keys. W	
34748	3/27	TO NY Yd	Fwds copy of requisition No.274, covering listening-in keys, etc., to be delivered at that Yd. W	
34869	3/27	NY 855-31	Break; rel to the inspection of United Wireless Telegraph Co's.	
35078	3/28	New Orleans W.T.Sta.	Tuner and receiver: reqt specns. covering, in connection with preparing specns. for new. W To S&A ,NY,Fwd New Or. Request shipment 4/1. R.B.4/8	
35459	4/5	NY GSK 10522	Reports disposition of type 1-P 76 W.T. receivers; have none to ship to New Orleans.W To -- Wireless Spe.App.Co.to fur.1-P-76.4/8.Fwd N.Or.4/8	R.B.4/13
35385	4/3	Bost	NEW JERSEY: no receiving set in store: reqt one be supplied.	313--6

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RECEIVING & SENDING SETS.

FILE No.		From or To— (Dated)	Subject.	
31594	2/14	TO Wireless Spec. App.Co	Amplifones; states none satisfactory; directs no more be shipped until they have been fairly tested. W	
32087	2/20	Wireless Spec.App.Co	Quotes price on battery boxes with 10 cells for receiving and sending sets. W	
32253	2/23	TO M.Is. - S&A - NY Yd.	Shipment of wireless receivers from NY to M.Is. for wireless stations, North Head, Table Bluff, Unalaska, Kodiac, St. Paul. W To M.Is., NY.S&A; shipment reqst.NY to M.Is. 5/5. TO S&A reqt. ship. 5 Wireless Spec.receivers. 9/13 to M.Is.	
32630	2/28	Marconi W.T.Co	Magnetic detector; quotes price on.W To - reqs. quotation 3/4	
32653	2/27	NY Yd 926-115	Quenched spark gap type K-8; no drawing; 828. W	
32669	3/1	TO NY Yd. & S&A	Directs shipment of 2 wireless receiving sets; to Bu. Standards under contract 13899. W B.L.toS&A R.B.3/8. Fwd S&A. Final del.of receivers to be made at Wash.Yd. 3/8.	
32703	2/28	C.O.	N.CAROLINA: reqt ampliphone	320--6
33112	3/6	Marconi W.T.Co	Magnetic detector; Can deliver 4 in 7 days. $99. each.W.	
32640	3/4	Garwood Elec. Co	Sched. 706; invites attention to fact that they are pioneer mfgrs of quench spark sys.	706

NB—0120

FILE No.		From or To— (Dated)	Subject.	
30342	1/30	C.O.	DELAWARE: reqt perikon detector be mailed today: ship sails tomarrow	182--6
30451	1/31	C.O.	DELAWARE: reports receiving perikon detector and wireless receiving set:	182--6
30515	1/28	NY	DELAWARE: reports perikon detector shipped	182--6
30683	2/1	NY	CASTINE: reports no mercury turbine interrupter in store for wireless	150--6
30797	2/3	To Telefunken	APPARATUS: cont.12899: states detectors furnished with receiving sets are defective and will have to be replaced; slso handles on rheostats be replaced on all sets delivered	876
30909	2/4	Telefunken Co	Resonance relay; quotes letter from home office relative to microphones being intentionally supplied with an excess of carbon and reasons therefor. W	
30963	2/6	To Washn	DELAWARE: Perikon detector; directs be invoiced to ship. Reqn.214 submitted to replace.	182--6
31011	2/7	TO NY Yd	Quenched spark gaps; reqt. dup. prints of type A-20. W	
31326	2/10	Wireless Specialty	New listening-in key with special telephone cords for wirless, sent to Labora tory for test; quotes price. W To -- Reqst price 2/18.	
31437	2/11	Telefunken	Cont.12899; have made arrgt to replace detectors and fuses: and correct handles on rheostats	876
No #	1/9	To C.O.MONTANA	Reqn.5 for carborundum for wireless specialty detectors; Dector renewals should be named as such on reqn. and purchase from Wireless Specialty Apparatus requested.	

RECEIVING & SENDING SETS.

FILE No.		From or To— (Dated)	Subject.	
28392	11/25	C.O.	NEW ORLEANS STA. spark gap: reqt permission to change in accordance with sketch submitted	314--6
28456	12/29	NY 6751	Interrupter; Required on Cavite Shipment Request 494, are obsolete; requests instrns. re supplying. Ref. C&R. No future purchases. 1/9.	
28808	1/10	Lowenstein, F	TRANSFORMERS: quote prices on: gaps for quenched spark operations	904
29069	1/13	To C.O.	IOWA: receiving set: survey on board:	244--6
28733	1-13	To NY	Telephone Receivers, Sched 3218, to be tested at yard.	706
29085	1/13	Nat. E.Sig.Co.	SMITH & ROE: quenched spark gap: price on	402--6
29283	1/14	C.O.	S.CAROLINA: reqts detector for	407--6
29285	1/14	C.O.	MASS: new receiving set for	281--6
29417	1/17	NY	TRANSFORMERS: quenched spark gaps &: reqn 188, asks for what vessels	904
29629	1/16 1/20	Wireless Specialty S&A	NPO Contract 317 for amplifones; states did not agree to supply any improvements made within a year free of charge. Ret S&A. No record in files; withdraws recommendation 1/23.	
29648	1/21	TO Wireless Spec. App. Co.	Amplifones; reqn. 167; directs three be delivered to Bu. Standards for test.	
29704	1/21	Norf.	CASTINE: no mercury interrupter for on hand	150--6
29768	1/21	NY 285-2-285	Reports test of Ducretet induction coil.	
29863	1/24	Wireless Specialty	Reports shipment to Wash. of portable rec. set repaired. To -- Ack. receipt 1/30.	

Number.	Date.	From or To—	Subject.
655088	12/22	Communications.	Copy of letter to Bureau Standards giving names of Navy representatives who are in conferende on radio standardization W

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
648o78	11/1	Bureau Standards Labr.	Report on standardization of transmitted wave lengths W. To Norf- Reqsts corrective adjustments be made 11/7
651875	12/1	Bu Standards Labr.	Report of transmitter wave lenghts W
652166	11/21	Pug Snd	Rqsts instructions be modified so that quarterly inspection of station can be made at discretion of comdt W To Pug Snd- comments 12/21
652176	12/1	Dept	Copy of letter to 14th District giving change in regulations covering status of district radio matl offices W

REGULATIONS 1922

Number.	Date.	From or To—	Subject.	
643958	12/7	Dept	Rel to change in wave range TD set instld 736-33 at Boston W	
653777	12/14	Dept	Fwds changes & additions to general radio calls W	
654149	7/11	Communications	Fwds statistical report in conn with radio reports. W.	
654281	12/19	Dept	Copy of letter to 9th Dist. directing radio stations listed be closed and placed on inoperative basis. W. 9th Dist 12/21 T. Stations placed out of commission W To 9 Dist- reqsts inform 1/5/23	

REGULATIONS 1922

Number.	Date.	From or To—	Subject.	
645531	10/11	PCCS	Recommends assignment of 10,500 meters normal working wave, San Francisco super primary. W.	
646089	10/19	Dept	Changes wave length for San Francisco.	W.
646133	10/9	Operations	Cayey-proposed change in transmitting eave. W.	
646130	10/19	Dept	San Francisco assigns wave length.	W.
647330	10/27	PCCS	Copy. Will submit inform rel to controller and other particulars Siberia Station W Pacf Coast Supt- Copy- 10/28	W.

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REGULATIONS 1922

Number.	Date.	From or To—	Subject.	
554804	FWD FROM CARD 30		Norf 10/25 Copy action 5 District W Fwds 5th Dist cc O-I-C Research Lab- bu Standards 11/1 To Comdt Yards- -Washn-Chasn-Key West-N O- NY- Norf - 15th Dist- Bu Standards- Guantaname 12/9- reqstswave length measurement schedules of bu let listed be advanced as listed for dec check e 12/9 San Juan 12/29 W To San Juan- Fwds cc let of dec. 29/22 1/18/23	
647100	10/25	Dept	Submits comments of 4th Dist rel to closing of various radio stations W	913
647249	10/27	COMMUNICATIONS	K E Cayey Normal transmitter wave will be transferred to 8785 meters W	

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Number.	Date.	From or To—	Subject.
643354	9/28	Dept	Copy of letter to 6th Dist. fwding recommendations for new compliments of District communications activities. W.
643355	9/28	Dept	Copy of letter to 7th Dist. fwding recommendations for new compliments of District Communications activities. W
643360	9/28	Dept	Copy of letter to 8th Dist. fwding recommendations for new compliments of District Communication activities. W.
643625	9/27	Dept	Copy of letter to 1st Dist fwdg recommendations for compliments of Dist Communications activities W
643775	9/30	H. J. Ziegemeier	Copy of memo to Chief of Naval Operations regarding closing of radio stations. W H. J. Ziegemeier- Gives further inform regarding closing of radio stations. 10/5 W. Memo for Chief of Oper-ns-Radio Stations listed closing of recommended 10/5

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Number.	Date.	From or To—	Subject.
644089	10/3	Dept	Copy of letter to 8 and 9th Dist. changing normal transmitting wave at New Orln station to Great Lakes. W.
644283	10/4	Dept	Copy of letter to Guantanamo fwding recommendations covering compliments for radio activities, Guantanamo Dist. W.
644282	10/4	Dept	Copy of letter to 16th Dist. fwding recommendations cov compliments for radio activites 16th Dist. W.
644363	10/5	Dept	Copy of leeter to 13th Dist. fwding recommendations cov compliments for radio communication activities for 13th Dist. W.
644540	10/5	Dept	Copy of letter to 9th Dist. fwding recommendations cov compliments for radio communications activities for 13th Dist. W.

Number.	Date.	From or To—	Subject.	
627840	from card 39		Fwds Navign- Recreation allowances for R mote control and Receiving Stations W 9/11 a Cavite- (T) Carnot charge "Pay Miscl" item against engineering appropriation. Request instructions. 9/19 W. N.Y.-$200 additional required. 9/22. W To Cavite- (T) Allotment authd 9/20 To NY- Auths allotment 9/29 Newport Torpedo Sta 10/19 Reqst copy of letter of June 24th W To Inspr Ordn- in-charge- Newport- Fwds cc of multiple let of 6/24 W 10/27 To Washn- maintenance allotment cc Anacostia- 12/21 To Comdts- Districts- Stations- Supt. Annapolis- rel preparation of rcns for Radio shore stations for mats or services properly chargeable to annual maintenance, NY- or special project allotments cc S&A W B 12/19	
641594	7/10	Pacf Fleet	Radio telegraph- discussion of procedure instructions W	742-1
642570	9/22	Dept	Subm copy of standard procedure adopted rel to Government radio broadcasting. W	902

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Number.	Date.	From or To—	Subject.
642971	9/27	16th Dist. (T)	Request instructions covering allowance list for quarters for Asiatic Communication Supt. W. To Cavite (T) No Comdt may furnish at discretion with funds available 9/27
643142	9/25	Dept	Copy of letter to Districts rel to failure of certain stations to answer calls W
643302	9 27	Dept	Copy of letter to 4th Dist. submitting recommendations for new compliments of District Communication activities. W.
643353	9/28	Dept	Copy of letter to 5th Dist. fwding recommendations for new compliments of District Communications activities. W.

REGULATIONS 1922

Number.	Date.	From or To—	Subject.
632496	7/13	Dept	Copy of letter to State Dept. stating no comments are to be made on internatl apportionment of wave lengths. W
633370	7/18	Dept	Comments on status of closing of various radio stations W Fwds Operns via Navign Dir Commns 8/12
633901	7/17	New Orln.	Subm report of expenditures against maintenance allotment, radio stations in 8th Dist. W.
636229	8/2 8/4	Atl. Battleship Force Atl. Dleet 882-1	Nomenclature of Navy waves and calibration of condensers on receivers and trasnmitters-recommendations W. Fwds Washn 8/9 RB 9/2 W Fwds Atlantic Fleet 9/11
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Number.	Date.	From or To—	Subject.
639510	8/18	Pacf .Fleet circular	Lists general radio calls assigned. W.
		494	
640100	8/31	Communication	Request comments in conn with limiting use of Pom report. W. To Nav Communications- Limiting use of Radio telegraph 10/14 W
640173	8/31	Atl.Batlshp Force	Copy letter to Communications submitting recommendation rel to standard instructions to be issued covering communications to obviate delays. W.

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[OVER.]

Number.	Date.	From or To—	Subject.
616578	From card 37		To Chasn- Wave length adjustment- Gives Instrns 6/23 W Chasn- Request Bureau Standard check wave length 6/30 W. To Chasn- Wave Length adjustment 7/21 To Chasn- gives Instrns cc O-I-C Bu Standards- Washn Dir commns 8/19 Chasn.- Request Bur Stand check wave length 8/25 W. To Comdt Charleston- Rqsts test 9/8 W cc Nav Communications. To Chasn- Rel tests of meters cc Bu Standard- Dir commns 9/16
627840	6/24	To Fleets-Yards-Stations Bases 604-23	Annual expenditure allotments for maintenance and operation of SHORE Stations of the Naval Communication Service W Great Lakes- Request copy. 6/26 W Norfolk 6/30 T Norfolk transmitter out of commission W To Great Lakes- F ds letter 6/30 W To Norf- F ds copies of letter 7/7 W
	card 41		Mare Isl- Request increase allotment $750. 8/2 W To MI— increase authd 8/16 NY- Recommendations with correspondence cov recreation allowances for Guantanamo. 9/6 W
631155	7/3	Pearl Harbor (T) 852	Request annual maintenance allotment for stations in 14th Dist. be authorized. Ask if Pearl Harbor requisition approved. W. To Comdt Pearl Harbor- t Total auth maintenance allot shore radio stations 14Nav Dists $102,400. 7/8 W

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Number.	Date.	From or To—	Subject.
621978	7/10	Cavite (T)	No information recd regarding allotments for radio stations. W. To Co dt Cavite- T Maintenance letter fwd 24 June. Cavite 95,000 Olongapo 1000 Vladivostok 6000 Shanghai 400 Peking 7000 W
560706	7/FWD	FROM CARDO 30 Corpn of Amer	To Radio Corpn of Amer-Asks for comment 7/12 W Radio Corpn of America- 7/13. W. Radio Corpn- Will not distribute further inform. 7/19 W

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[OVER.]

Number.	Date.	From or To—	Subject.	
616904	4/8	To O-I-C Bu Standards	Wave Length Check of Radio Comm Atlantic Coast Radio Stations- Data should be incorporated in Monthly report on check W	876
618108	2/23 4/11	Atl·Air Sqd. Atl·Fleet	Guarding of wave lengths by units of fleet- recommendations cov routing of dispatches. W.	
619054	4/17	N.Y.	Employment of laborers at radio station in West Indies- recommendations cov. 4/17 W. To New York- Expenditure not exceeding $300 expected annually 4/22 W N.Y.- Recommends reconsider 5/2 W Fwds Ids & Docks 5/13 RB 5/17 W. Fwds NY 5/19 RB 5/25 W	
620080	4/21	Communications	Recommends radio stations listed on Great Lakes be calibrated on 600 as well as 800 meters. W. To 9 Dist- Gives instrns cc Dir Commns 5/1	
621625	5/2	Dept	Circular - cooperation of officers in conn with radio material matters- instrns cov. W.	

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Number.	Date.	From or To—	Subject.	
622932	5/9	Communications	General policies rel to assignment of normal transmitting wave lengths to shore radio stations. W.	
627269	6/7	Chasn.	Request cov transfer of maintenance funds from Savannah station to North Island compass stations. W.	
627416	6/9	Nav Intelligence	Quotes Canadian law rel to amateur receiving outfits and fee which must be paid. W	881
628391	6/14	D.N.C.	Operating plan for shore station fiscal year 1924 W	

Number.	Date.	From or To—	Subject.	
613903	3/10	PCCS	Recommends Transpacific super primary stations be operated with one single transmitted wave length at each station.	W.
614136	3/15	Bur·Memo. 600-1	Gives personnel of technical advisory committee for radio division. W.	
615133	3/6 3/22	MI Communications	Request single wave length operating for both local and high power Mare Island stations and San Diego Sta. be set at 7900 and 9800 respectively. W. Fwds MI via Dir Commns- Pacific Coast Comm Supt cc C-I-C Pacific- Asiatic Fleets Comsts 11-12-14-16 Dists- 3/30 RB 5/29 W	
615175	3/22	Atl. Destry	Copy of letter to Destry sqdrn. giving instrns rel to radio abstracts and tolls, destrys going out of commission. W,	

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Number.	Date.	From or To—	Subject.	
516578	4/1	Bur Stands.Labr.	Subm report on standardization of transmitted wave lengths. W.	
	see card ~~40~~ 37		Communications- Request reduce difference in wave lengths Washington Key West & Sayville. 4/3 c W.	
			Communications 6/19 W	
602184	FROM CARD 36		Pug.Sd /Fwds recommendations cov revision of maintenance allotment for various stations. 3/27 W.	
			Mare Is/) Recommendtions cov annual maintenance allotments, Tutuila. 3/31. W.	
			15th Dist- Fwds allotment request from various stations. 3/10 W.	
			Boston- Fwds yearly expenditure report in detail. 4/6 KW.	
			New Orln- Fwds recommendtions. 4/4 W.	
			Pearl Harbor- Fwds estimates. 3/22 W.	
			Chasn- Recommendations cov revisions. 4/5 W	
			To 14 Dist- transfer of existing pigeon station authd 4/13	
			Phila- Recommendations cov revision. W. 4/12	
			Naval Academy- Subm recommendations.4/13 W	
			MI- Fwds recommendations. 4/12 W.	
			MI- Recommendations cov revision.5/3 W	
			N.Y.- Subm estimates cov yearly maintenance allotment various stations under cognizance of N.Y. 6/2 W. (16 letters)	
			N.Y.- Ambrose channel radio piloting cable should include estimate cov. 6/2 W.	
			N.Y. 6/3- Subm estimates. W.	
			N.Y.- Report on transfer of funds.6/5 W	
			To NY-- rel allotment 6/17	
			To NY- allotment made 7/14	
			15 Dist Reqst increased maintenance W 10/9	

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[OVER.]

Number.	Date.	From or To—	Subject.	
610410	2/17	Communications	Calls attn to discrepancies in wave length assigned to Cayey. W.	
610409	2/16	Communications	Request normal transmitter wave at Guantanamo be changed from 2750 meters to 1870 meters W	
610409	2;25	To Guantanamo	Change in normal transmitting wave-due to interference with Arlington.W	
569586	FROM CARD 32		Ordn. 2/28 W. To Ord-reqt Chasn furnish one ~~xxxxxxxx~~ rifle and automatic pistol for Savannah radio station-2;28 RB 3/3 W. Communications- Copy action to PSCS 4/29 W.	

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Number.	Date.	From or To—	Subject.	
611103	2;28	To 5th Dis	Operation and upkeep of shore radio stations- suggestions/W	
602184	FROM	CARD 34	Pug.Sd.- Ask what quarterly calibrations stations are to be charges. 2/23 W. To Pug Snd- Gives Inform rel work 3/11 12th Dist- Recommended annual allotments for stations in 12th Dist. 3/7 W. Washn- Fwds correspondence and recommendations as to allotment for maintenance for fiscal year 1923- 3/14 W. 11th Dist. 3/10 Fwds recommendations. W. Norf- Fwds annual maintenance allotment for light vessels shore radio compass stations in 5th Dist. Fiscal year 1923. 3/18 W. 9th Dist- Subm estimates. 3/21 W. MI-Recommendations coy allowance for Guam. and Merizo stations. 3/29 W	
TO CARD 37				
612149	2/24 3/2	CO ARETHUSA Communications	Rel to improper use of 800 meter wave length by vessel. W.	
613136	3/8 3/9	Dept Commerce Communications	Fwds copy of letter from I. Vermilgya complaining of interference caused by operator on board OHIO on 360 meters. W. Communications 3/22. W.	

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4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
606962	1/27	Norf.	Request radio and radio compass stations listed be furn with copy of U.S.Naval regulations. Fwd Navign 2/4 RB 2/13 W To Navign- 2/16 To 3 Dist- Reqst inform rel publication 2/16 Fwd 5 Dist via Norf 2/16 3d Dist. 2/28 W
607486	1/20	15th Dist.	Request copy of monthly radio report, dated 6/1/21 W. To SO 15 Dist via Comdt- rel modification of list-report 2/15 15th Dist 2/28 W.
607722	2/1	Bur Stand Lbar-	Report on standardization of transmitted wave length. W To Key West- Reqst action be taken reduce percentage 2/10 To NI- Gives Instrns 2/10 Key West- 3/1 W
607806	2/1	Communications	Copy of telegram to PCCS directing change normal transmitting wave of Cavite. W.
607805	1/16 2/2	PCCS Communication	Fwds letter from Pug Sd. rel to normal receiving waves for stations in 13th Dist. W. Fwd Pug Snd 2/11 RB 3/13/22 stating nec to provide new receiver and amplifier. W. To Pug Snd- expenditure authd cc Dir Comm 3/15 To Dir Comm- Gives Action taken cc Pug Snd 3/15

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Number.	Date.	From or To—	Subject.
608181	2/3	Communications	Gives changes to be made in transmitting waves Eagle Harbor, Manistique, Chicago, and Detroit. W. Fwd 9 Dist 2/9 GRR 3/27 W To Dir Commns - Gives Inform 3/31
608481	2/1	13th Dist. 876	Recommends monthly radio report be marked " For Naval Use only" instead of "Confidential". W. To 13th Dis-instrns re use of Monthly Radio and Sound Report-2;21-W
608535	2/7	Chasn. (T)	Folly Island compass station maintenance exhausted - request auth to transfer Tybee Island allotment. W. To Chasn (T) Auth allotment 2/9 Chasn- Maintenance allotment for Tybee Island transferred to Folly Isl. 2/10 W
609128	2/7 2/8	Marine Corps Communications Recommend	Request auth to make withdrawals and reductions in Marine Corp enlisted strength at radio stations listed. W. Fwd Comm-comments-2;24-W

4—3331

[OVER.]

Number.	Date.	From or To—	Subject.
593978	11/1	Bur Stand Labr.	Subm report on standardization and transmitted wave lenghts. W.
595377	11/10	Boston 602	Recommends allotments be auth for material issued from NSA only, cov maintenance preservation of material operations of stations. W Boston- Rqst reply letter 11/9- 12/5 W. To Boston Disapprvd 1/6/22
590143	FROM CARD 33		12th Dist- Copy action to MI- 11/21 W 12th Dist- Copy action to MI 12/14 W
598314	11/30	Bur Stand. Labr.	Report on November check on standardization of transmitted wave lengths W.

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Number.	Date.	From or To—	Subject.	
599058	11/28 12/5	PCCS Communications	Recommends spark working wave of 1430 meters for Ketchikan W. Fwd Pug Snd 12/15 RB 2/13 W	
599149	11/30 CANCELLED VOID error	Pacf. Fleet	Modifications of type TC radio telephones-f fwds copy of recommendations. W.	
599154	11/28 11/30	Destry Sqd. Pacf. Fleet To Comdts yards- To C-I-C Atl-Pacific- Asiatic Fleets Comdr European Waters- Spec Svc Squad- Description of Radio instln is to be submitted cc 12/16 Pacf. Fleet- Circular 12/22 W	Ask if description of radio instln will be required on 1/1/22 W.	
579074	8/4	Communications	Fwds copy of schedule of radio activities of Navy Dept submitted Bureau Efficiency. CW	600-2
600569	12/15	Norf.	Request decision as to whether expenses incurred for special delivery stamps should be borne by stations annual maintenance allowance or Secretary of Navy Appropriation. KW To Norf- Gives info cc Dir of Comm 1/5	
602184	1/6/22	To Yards- Stations listed	Revision of annual maintenance allotments for Shore Radio stations- Reqst Recommendations be submitted W Ports- Subm estimates ? W Key West- Fwds reports 2/3 W Pug. S	

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Number.	Date.	From or To—	Subject.
566674		SEE CARD 31	Fwd Dir communications - Elimination and Priority list of Stations W 9/24
587679	9/26	Communication circular	Notification of chnges in normal transmitting waves. W.
590143	10/13	Dept Communications- Commandant of Dist should be responsible person for deterioration of communications within his Dist. 11/8 W.	Copy of letter to 1st Dist giving prodedure rel to jurisdiction of radio activities. W.
591164	10/17	Ship Board	To Comdts- Naval Districts- Yards- Stations- Giv Gives instrns rel jurisdiction of radio activities under the cog of Eng outside of yards 11/3 W
			Fwds report from Radio operator on board SS EMPIRE STATE criticising Navy arc, schedules and operators. W

CARD 34

M-Copy action to 12th Dist. 11/23 W

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Number.	Date.	From or To—	Subject.
591988	?	R. Urian	Rqst copy of radio laws; also papers and pamphlets needed by amateurs. W.
	CANCELLED		CANCELLED.
591538		SEE CARD 32	To Tropical Radio Tel Co me inform may be obtained by Boston office rel to the circuits and equipment employed by Navy for selective reception from investigation cc NO Boston W 10/26 United Fruit Co. 10/31 W To U Fruit Co- BostonRegst return of pamphlet 11/9 Tropical Radio Tele.Co. 11/10 W To-- Gives Action 11/15 Tropical Radio Tele Co. Returns copies of bulletin. 12/9 W
593321	10/29	Communications	In conn with request for 17145 meter wave at Sayville. W. Fwds Comdt NY 11/1 W cc Dir Nav Com. N.Y. 11/4 W N.Y. Arc transmitter tubed to wave length of 17145 12/7 W.
	To Dir Comms instrms rel machine set cc NY 12/15		
593264	10/27	NPL T	Request Bureau of standards check wave W

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
570649	6/11	MI 600-4	Recommendations cov method of accounting for material under cognizance of Y&D shipt to Transpacific High power stations. W.R. Fwd Y&D 6-22
569586	6-18	To Comdts Bureaus Dists. etc.	Gives annual expenditure allotments for maintenance, preservation and material operation of shore stations of Naval Commun service. Reqst reduction in expend as much as possible without impairing efficiency of service. W
	Asiat Flt-9/29-	(T) Vladivostok allotment insufficient. W.	Phila 6/24 W. To Comdt Guam copy S&A and M.I. 6/27 To Phila 6-28 To Norf 6-28 copy S&A Chasn- Rqst addtl copies. 6/27 W. To Chasn. fwds 7/5 Norf-7.5-W To Norf 7/8 Ports-7.20-W Chasn 2/2/22. W
	To C-I-C (T) Allotment granted 9/22 Fwd Ordn 2/9/22 RB 2/25 W		
CARD 36			
571574	6/17 6/22 Fwd Pug Snd via Pacific Coast Comm 12/17	Pug. Sd. Communications	Subm recommendations rel to wave lengths for stations in Dist. W. Fwd PCCS 7/5 RB 12/5 W PCCS- 7/28 W. Fwd Dir Communications 12/9 RB 12/13 W
575403	7/19	To Secty	Radio telegraph- duplication of radio work by other government depts and failure to comply with Inter Departmental agreements W 600-2
578779	8/6 To Pug Snd-	To Commandants 905	Directs radui transmitters on vessels for over haul at yards be not retuned by Yard Force unless Ship's radio off. asquiesces in retuning. 8/6 W. Pug. Sd.-Rqst instrns rel to calibration of compass on vessels prior to departure from Yard. 10/5 W 919 To Pug Snd- Gives inform 10/21 Pug. Sd.-Copy action to Pacf. Fleet- 11/17 W. Pug. Sd.-Recommendations rel to calibration of compass on destroyers. 11/17 W. 919

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Number.	Date.	From or To—	Subject.	
579732	8/5	Boston	Fwds quarterly expenditure reports on various stations. KW.	
581538	8/15 8/18	8th Dist Communications	Fwds letter from Tropical Radio Co. requesting change of time or wave length at N.A.T. W. Fwd JO 8/22 New rln. 9/14 W. To NO- Rqst inform 10/14 To Tropical Radio Tel Co- Fwds copies of correspondence 10/14 To Tropical Radio Tel Co- Gives Action taken- cc Dir comm- NO 10/1 Tropical Radio T/Co-Rqst dscrpn with phot Tropical Radio Tele. Co. 10/3 W. 10/17	
581390	8-24	To Comdt Washington	Test of Jno Firth apparatus. Authority for test W	
581801	8-24	To J J McSwain	In conn with inquiry rel restrictions on amateur radio stations. Fwds copy of radio manual. W Hon J.J.McSwain Rqst 18 addtl copies of radio manual. 9/10 CW. To -- Gives inform rel manual 9/13	
583541	8/25	MI	Recommends practice of furnishing blankets for barracks and dormitories be continued. W To MI Gives instrns cc Pacific Coast 9/7 W	
583941	9/1	Bur Stand abr.	August report on transmitted wave length W.	
585732	9/16	D.N.C.	re-arrangement of transmitting waves. W.	
586474	9/19	N.Y.	Recommends allotment for light vessels be pooled W	678

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Number.	Date.	From or To—	Subject.
13908-273	3/30/21	Nav. Commu. Eng	Policy regarding Wave Length.
13639-297	4/5/21	Eng	Radio Telegraph-Tunes for shore stations of Naval Communication Service on Great Lakes.
13639-197	3/9/21	Comdt Radio Telegraph Eng	Tunes for shore radio stations on the Pacific Coast and in the Pacific.
13845-197	3/8/21	Atl. Cst: Supt	Radio Telegraph - New Wave Length assignments for shore Radio Stations of the Naval Communication Service.
13845-197-W	3/5/21	Eng Off Phila	Radio Telegraph- Wave Length assignment.
13845-197	3/18/21	1st N.D. Eng	Arrangement for shift of Wave Lengths made in 1st Naval District.
13629-197-W	3/21/21	Eng Commu	Radio Telegraph - Tunes for shore radio Stations of the U.S.N. Communication Service- Comment on:
13639-197	3/16/21	12th N.D. Eng	Radio Telegraph- Telegraph- Tunes for Shore Radio stations of the U.S.Naval Communication Service- Comment on.
13845-595	5/6	Eng General	Radio Telegraph- Date for change to new wave lengths.

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Number.	Date.	From or To—	Subject.
562929	5/7	Manilla Copy	stations in Manilla division ready to change to new wave lengths. W.
561196	5-24	To Comdts IM's Nav Acad Air Stations Dists Bureaus Radio Stations PCS DCS	Maintenance allotments for shore radio stations W PCS. Chasn- (T) Rqst authority to transfer funds from stations under-expended to those overexpended. 6/6- W. 602 To Chasn auth transfer 6-7 Norf- Report of expenditures. 6/13 W Phila- Subm estimates. 6/13 W Chasn. 6/14 W To Norf- consolidaton of maintenance allts for stations of 5th Dist- 6/17
565895	5/17	MI.	Recommendations cov establishment of allowance list of small arms and ammunition. for radio station. W fwd Ordn 5-28 Ordn- Copy action to MI 6/3 W
566674	5/27	Communications	Elimination of priority list of Naval radio stations- subm. W.
33	To Puget Sd 6-24 Communications- 6/27 W To Comdt NO 7/30 DNC-Rqst return of papers.9/17 W		Fwd Commun 6-14 RB 6/23 W To Nav Commun- status of Cape May and Mobile 6/22
567885	6/4	Communications 905	In conn ith length of working waves for shore stations. W. fwd PCS M.I. 6/11 RB 7/8 fwd M.I. 7/11
567968	6/3	N.Y.	Subm recommendations cov addtl laborers ar radio station in West Indies. KW. 635-3 To Sec 6/13 Dept- Authorizes 6/30 W To Marine Corps 7/21 copy NY & S&A
568641	6/8	PCCS Copy	Request authority to change San Pedro spark working wave from 2750 to 1430 W

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Number.	Date.	From or To—	Subject.
550899	3-12	To Sec via Commun	Interdepartmental Bd on radio- recs for new Bd revise findings of 1904 W
552374	3/4 3/19	Balboa Communications	Combination of offices of Dist Supt and Dist radio material officer -suggestions and recommendations cov. W.
	Balboa- Fwds 4/7 W.	prints of Corundu flats.	Fwd Navign via Comm 4/2 RB 4/18 W. Fwd 15 Dist via Communications 4/19 RB 5/11 W
553332	3/23	1st Dist.	Copy of letter to Dept rel to jurisd ction of radio activities under cognizance of Bureau Engineering outside of Navy Yards, with recommend ations. W.
	Dept-Fwds 1st Dist.	recommendations from 3/28 W	
554225	3/26	Cdr. Hooper	Subm report of inspection of radio stations listed in the South. W. To Navign Subm recomdns 4/5
554246	3/28	Norf	Request copy of regulations, latest issue, be furn. W. Fwd Dir commns cc IM Norf 4/21
554268	3/24 3/28	9th Dist. Communications	Request wave lengths be assigned to 5 KW arc set being installed at Cleveland. W. Cross To 9 Dist Gives instrn cc Comm - 9 Dist 3/31
554804	3/31	Bur Stand Labr.	Report on standarization of tramsmitted wave lengths. W.
	To Darien Tel- 6/28 To Comdts Chasn-Norf-NO- Key West- To Guantanamo- 15 Dist- Gives inform cc O-I-C Research Lab- Dir comm- NY 10/18/22 RB 10/27 W		-Comdt's- Im's Yards listed- Transmitted wave lengths standardization of W 4/12 W To Norf Te 1 6/28 To Key West Tel 6-28 To Chasn Tel 6-28
CD 43			
553332	4/14	Fwd Boston	Jurisdiction of Radio activities under cog of Eng outside of Yards W RB 4/26, with recommendations. W. Fwd Dept--Recommendations covering the status of the Dist. Radio Material Officer. 4/29

[OVER.]

REGULATIONS 1921

Number.	Date.	From or To—	Subject.
559152	3/7	Cavite	Acknolwedges receipt of copy of tunes for shore radio stations on Great Lakes, Alaska and Pacf. Coast. W.
560251	4;25	Boston Boston-Subm recommendations cov readjustments. 5/24 W	Submits recommendations covering yearly expenditures allotment for radio stations listed. W To Boston Gives Inform 4/29 To Boston 5-1
560706	5/3	To G E Co Liberty Elec. Corpn-Will keep any information furnished, confidential 5/10 W. CD 39 Radio Corpn of America-5/11 W American R/R/Corpn 5/14 W Wireless Spec. Appr. Co Will cooperate with Bureau 5/15 W. Inspr Brook/n 5/17 W Fed. Tele. Co. 5/17 W. To Lowenstein Co 5-24 To Dub Cond Co. 5-24 Dubilier Cond. Co. 5/26 W GE Co. 6/20 W	Reqst cooperation to maintain strict secrecy in matter of development and design of radio and sound material. Reqst prevent foreign Inspns officers from acquiring inform W To Western Elec Co- rel secrecy in conn above 5/4 To Westinghouse Co 5-4 To Fed Co 5-4 To Radio Corpn 5-5 To Wireless Spec Co 5-4 To Inspprs 5-5 To Firms 5-5 Westinghouse E/M Co. 5/5 W. To Inspr GE 5-6
13845-197	3/26/21	Eng. Dr. Commu	Radio Telegraph- New Wave Length Assignments for shore radio stations of the Naval Communication Service.
13419-197	3/26/21	Eng General	Radio Telegraph- Tunes for Naval Vessels.
13629-197	3/26/21	Eng-- Comdt. 14th ND	(5th Eng) Radio Telegraph - Tunes for shore stations of the Nav. Commu. Serv
13629/197	3/26/21	Eng. Comdt. P.H.	Radio Telegraph- Tunes for Shore Radio Stations of the Naval Communication Service- Comments on.

REGULATIONS: 1921

Number.	Date.	From or To—	Subject.
543894	1;31	Bu Standards Lab	Submits report of January check of transmitting wave lengths of sound. W
543690	1/25	Pug Sd.	Request authority to expend maintenance allotment for Swift Shore Bank light vessel for maintenance on all 4 stations during present fiscal year. W.
545337	2/7 2/8	Chasn. Communications Copy	Recommendations covering change in primary working wave for Norf.Sta. W.
516753	9/3	Mare Island	Radio stations in 12th Dist- Subm list of 895 apparatus recommended for recreational equipt. W
546428	2/5 2/14	Pug.Sd. Communications 833	Bulletin published by Dist. Communications Supt. 13th Dist- report on steps taken to reduce cost of. W. fwd Commun 2-23
546632	1/28	Navigation	Copy of letter to Asiatic Fleet in conn with uniform system of instrn in radio telegraph of Fleet. W
547838	2-23	To Comdt 12th Dist via	Puget Sd Bureau manual of instructions- Asks if any objections using extracts from booklets in conn revision of Burmanual as regards radio ma erial activities WRB 3/26 W RB 4/8 W.

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REGULATIONS 1921

Number.	Date.	From or To—	Subject.
548384	3-2	To IM's Comdts	Measurement of wave lengths- W RB 3/18 W
537695	FROM CARD 28 MI- Recommendations for 14th Dst. 4/14 W. Cavite 3/25 W. Phila- Subm recommendations. 5/2 W Boston- Subm recommendations with estimates. 5/7 W To Great Lakes- 5-12 N.Y.- Subm estimates. W. 5/17 N.Y. 5/17- Recommendations cov revision of annual maintenance allotment for various stations. W. 19 letters on. Washn-Recommendations cov revision of annual maintenance allowances. 5/25 (8 letters) W. S&A- 6/9 W Fwd Comdt 9th Dist 6/16		11th Dist. Recommendations cov revision of allotments. 2/19 W. New Orln- Recommendations cov revision of annual maintenance allotments for various stations within dist. 2/24 (11 letters) W. New Orln- 2/24 W 9th Dist. 3/15 Recommendations for radio work fiscal year 1922 ~~int~~ chargeable to annual maintenance allotment. W. Nav.Academy- Subm recommendations. 3/15 W 9th Dist. 3/16- Subm estimated: W. MI- Request addtl allotment of $1200 subm estimates for revision. 3/17 W. MI- Subm recommendations cov revision at Guam. 3/24 W Norf- submits extimates. 4/5 W. Ne.Sd.-Subm estimates for stations in 13th Dist. 4/1 W. To 9 Dist 4/12
550097	2/11 2/21	Coco Solo 15th Dist.	Rqst appropriation be made cov services of cook for each radio station in Dist. W. To Dept Reqst action taken 3/24 RB 4/11 W To 15 Dist- re Pay of cooks at Stations 3/26 Fwd 15 Dist 4/14 RB 5/17 W.
550932	3/11	Communications	Copy of letter to acf.Fleet giving change in assignment of way to train and mine force. W

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REGULATIONS 1920

Number.	Date.	From or To—	Subject.
458693	from 24		To Boston- copies of reports have been fwded station- 9/1 Boston- Reports were recd. 9/4 W. To Boston 12/15
499155	from card 27		To 15th Dist- rel expenditures 9/24 cc MC Cavite Copy- Request correct yard to which maintenance account, Russian Island Station should be charged. 9/29 W. To S&A 10/1 Cmdsn. 11/17 R N.Y.- Recommendations 1/8 W. To N.Y. 1-17-21 S&A - Copy of action to Pug.Sd. 1/29 W. Pug. Sound. 1/28 W. Norf- 4/30 W. fwd S&A 5-5-21 ,RB 5/14 W. fwd Norf 5-19
524674	10/20 10/21	Inspr. New Lond. General Inspector	Request copy of Naval regulations and copy of general orders. KD.
492625	(from card 26)		Research Lab; report on test; 10-29; W To Comdts 1M's fwds 11/5

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REGULATIONS

Number.	Date.	From or To—	Subject.
528499	11/9	ACCS	Comments on inspection report for first quarter. W.
528738	11/11	Communications	Recommends all radio material work outside of yard come under cognizance of commandant of Dist. & District Radio material Officer, be ordered to report direct to commandant. W. Fwd Operations 12-1
528776	11/3	9th Dist.	Request balance of all maintenance allotments be combined effective 1/1/21. W. To Comdt 9th Dist 11-15
528844	11/11	ACCS	Report on inspection of activities of 5th Dist. W.
530886	11/23	N.Y.	Ask if small arc ammunition furn stations is properly charged against yearly maintenance allowance. WR To N.Y. 12/1
535967	12/20	Communications	Fwds extracts from proposed communication instrn rel to wave length. W. Communications 2/14 W.
CANCELLED) see Confidential File 13908- 197-			
537695	1/3/21	To Comdts IM's Annp.	Request recs covering maintenance allotments for shore radio stations W
5 year	Chasn- Outline of work, fiscal 1922, light vessel 84 2/9 W		Ports- Subm itemized estimate maintenance of Ports radio Sta. fiscal year 1922. 1/22 W
TOCARD	Chasn- ditto vessel 53 2/9		Rev Nest- Fwds copies of revision of annual maintenance allowance for various stations. 2/4 W
29	Chasn ditto vessel #1 2/9		Chasn- Subm outline of expenditures fiscal year 1922. 2/8 W
	Chasn ditto vessel #94 2/9		Chasn. 2/8 W.Cha
	Chasn ditto vessel #34 2/9		Chasn 2/8 W
	Chasn ditto-Port Royal sta. 2/9		Chasn 2/8 W
	Chasn. Outline of expenditures. 2/14 W		Chasn 2/8 W
	12th Dist- Recommendation cov revision of allotments in 12th Dist 2/19 W		

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REGULATIONS 1920

Number.	Date.	From or To—	Subject.	
426257	FROM CARD 24		Fwd S.O.N.Y. asks info rel authorization covering shipmtn 5/18 Copy back. 5/21. W. RB 6/8 W. N.Y.- Quarterly report of expenditures. 4/20 K Key West- Quarterly report of expenditure. K4/9 Pug.Sd.- Fwds photos of shore radio sta. 2/19 W	
497105	5/26	Pug.Sd. 833	Subm recommendations covering revision of annual maintenance allowance.	W.
481501	FROM CARD 25		N.Y.- Request addtl allotments listed be made, covering maintenance of telegraph lines between radio and control stations in 3d Dist. 6/4 W. Fwd Y&D 6-7 copy P.Harbor To Comm- reqst continue handlelines trf to com of SE. 6-9 To Y&D- 6/7- RB, in conn with cognizance of radio material activities in conjunction with communications service of Pacf. Air Detachment 7/3 W fwd Y&F 7/7 copy Hawaii RB 7/20 W. Fwd Yds & Docks 8-4 RB 8/6 W fwd Pearl Harbor 8-9 RB 9/22 W	

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REGULATIONS 1920

Number.	Date.	From or To—	Subject.
499155	6/25	To Comdts IM's Comdts CO's Dists Com Bureau SO's Accounting Officers	Expresses appreciation for supervision maintained of the stations(allowances during year. W
28	Chasn. 7/1 W		Phila 6/29 W
	To Phila via Norf. instructions 7/10 copy S&A		To Comdt Boston. reqst make corrections of copies of letter 7/2 copy S&A DCS Boston Bur Lighthouses.
	To Chasn fwds 7/13		To N.O. reqst corrections 7/2 copies ditto
	To I M'S Comdts CO's 9/14		To Comdt M.I. ditto 7/2
	Coco Solo- Ask if 15 Dist. is to be designated as maintenance Yd.9/13 W.		Boston 7/1 W.
			To Phila fwds 7/6
			Norf 7/6 W
	Phila- Recommends Penna. Coast of Lake Erie be included in their maintenance allotment.9/20W		To Boston auth removal 7/7 copy Y&D DCS Newport
			To Comdt Phila via Norf. Fenwick Is Shoals.
502614	6/11	Pac Fleet	rel reduction of allotmens 7/8 copy S&A
	8/19	12th Dist	Sub recs covering use of leased wire between San Pedro and San Diego giving reasons wy and
	6/23	M.I.	and nec for rec annual allotment for Los Angles station be increased covering 716
506644	7/21	Nav. Communications	Ask what is best wave length on Destroyers sparc sets. W.
			To Direc Comm 7/27
~~507384~~	~~7/24~~	~~Mx~~	~~Ex fx xxxx

REGULATIONS

Number.	Date.	From or To—	Subject.
487195	2/18 4/7	Guam M Is 813	Cannot submit recommendations for annual maintenance allowance until improvements are completed - W
464313	FROM CARD 25 Boston- Subm readjustment for annual maintenance allowance stations in 1st ist. 4/28 W Ports - estimate of revision -4/29 Bost - No date- submits application for revision of allowance-W Cavite-Recommendations cov allowance for Los Banos 4/2 W Cavite- Recommendations cov allowance for Cavite High Power Sta 4/2 W NY - recommendations covering revision of annual maintenance allowance various stations - 5/6-W MI- Rqst annual maintenance, Los Angeles Station be increased. 5/4 W To M.Island- rel increase mainten allowance for YERBA BUENA 5/24 copy PCCS DNC PCCS-Copy- Civil Service Com. will hold examination for telegraph operators, 6/12. 6/4 W Boston- Ask if will authorize readjustment of maintenance allowance to allow under expenditure at certain stations to compensate over expenditure at other stations. 6/7 W. To Boston (T) authority granted 6-9 Washington- Subm recommendations covering maintenance allowance, Anacostia Labr. 6/2 W. To Tutuila via MI- rel work authr 6/30 copy COM PCCS ASIA FLEET AG PHILA P.H. Y&D Phila- Estimates expenditures, 4th Dist stations 7/3 W	15th Dist- Subm revision of annual maintenance allowance, La Palma. 4/6 W 15th Dist- Subm revision of annual maintenance allowance, Colon. 4/6 W 15th Dist- Subm revision of annual maintenance allowance, Balboa. 4/6 W 15th Dist- Subm revision of annual maintenance allowance, Cape Malo. 4/6 W New Orln- Subm revised estimate, annual maintenance allowance, Galveston Radio Sta. 4/14 W New Orln- Subm revised estimate, annual maintenance allowance, Grand Isle Comp Sta. 4/14 W New Orln- Subm revised estimate, annual maintenance allowance, Port Arthur Sta. 4/14 W. New Orln- Subm revised estimate, annual maintenance allowance, Mobile Radio Sta. 4/14 W. New Orln- Subm revised estimate, annual maintenance allowance, New Orln Radio Sta. 4/14 W New Orln- Subm revised estimate, annual maintenance allowance, Pass a Loutre Radio sta 4/14 New Orln-Subm revised estimate annual maintenance allowance, Key West radioSta. 4/15 W. New Orln- Subm revised estimate, annual maintenance allowance, Tamp Radio Sta. 4/15 W. New Orln- ditto for Point Isabel 4/14 W New Orln- ditto for Burrwood comp sta 4/14 W New Orln- ditto for Heald Bank Light vessel #81 - X 678-81 4/14 W. New Orln- ditto Light House Tender Magnolia. X678-72 4/14 W. New Orln- ditto - Light vessel #102 4/14 W X 678-102. New Orln- ditto - Key West Station. 4/15 W. New Orln- dittos- Jupiter Radio Sta. 4/15 W New Orln - Ditto- St. Augustine Station. 4/15 W. New Orln- Ditto Miami Station. 4/15 W. New Orln- Ditto Jupiter Comp Sta. 4/15 W. New Orln - Ditto- St. Petersburg RadioSta. 4/15W To Phila 7/9

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REGULATIONS

Number.	Date.	From or To—	Subject.	
489465	4/23	Washington 841	Recommends annual allowance of Arlington station be increased from 14 to 20 thousand and director of communications from $5,000 to $6,500. To Cdt Washington- rel to allowance for Radio and D.N.C. 4/27	WK
490485	4/28	Norf	Ask if Chasn. Yard is responsible for radio apparatus on Shipping Bd vessels, building at Carolina Ship Bldg.Co. X 771- 2	W.
491182	4/29	New Orln	Request authority to lump balances of maintenance allowances of various radio stations within 8th Dist. To New Orln- Authority granted- 5/6	W.
491232	4/19	Pearl Harbor	Subm revision of annual maintenance allowance for radio stations, fiscal year 1921.	W
485914	5-1	To Im Norfolk 824	Supervision of radio material activities wit in various naval districts in accordnance with general order 519- Instructions covering copy Comdt Charleston W	
492625	5-11	To Bur Standards To My. measurement has been made by Bur Stds. 8015 an error of 2.8% 8/7 To Chasn ditto 8/7 To N.O. 8/7 Radio Labr. Bur Stand. 8/13 W Bureau Stand - Subm report. 9/30 W	Designates Radio Research Lab as Monitor station for East Coast. Lists stations assigned to Lab. Reqst fwd summary monthly covering. W (Ref. 492071-893-4) Bur Stand Labr- Report on standardization of wave lengths. 7/31 W. Circular 9/2/20 Circular 10/7	

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REGULATIONS

Number.	Date.	From or To—	Subject.	
463252	12/13	Sayville	Routing of vessel correspondence- calls attn to conflicting orders covering.	W.
463213	12/11	Dept.	Instructions, directing do no place electric barriers on Radio Station, other than those properly authorized.	W.
463494	12/15	Norf.	Confirms telephone conversation in conn with vessel to visit outlying radio stations.	W.
464313 4	12-23	To Yds-Stats-Annapolis	Revision of annual maintenance allowance for shore radio stations. W	
TO CARD 26		9th Dist- Subm maintenance allowance recommended for radio stations in 9thDist. W 3/30 X854	Norf - Subm recommended maintenance allowance for various stations. 2/14	
		15th Dist- Subm revision of annual maintenance allowance, Puerto O'Baldia. 4/6 W.	Mare Is; submits proposed expenditures;2-14; Mare Island - Recommendations coy revision of a maintenance allowance. 2/14	
		15th Dist- Subm revision of annual maintenance allowance, Coco Solo 4/6	Tutuila- Subm estimates of allowanced required. 2/12	
466147	12/30	N.Y.	Quarterly inspection reports, quarter ending 12/31 on stations in N.Y. Dist. which have been omitted.	W.
468341	8/30 1/2	Boston Ports.	Subm statement of charges incurred in conn with radio activities, quarter ending 6/30.	K.

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Number.	Date.	From or To—	Subject.	
461826	12/8	To IM's Cdts Fleets	Submission of estimates for radio 876 repairs and alterations to vessels. Instructions W.	
477324	2/21	To Operations 632	Inspection of radio stations in West Indies Rep of NY Yd Comdr R. F. McConnel designated make inspection W To Opr- will not make trip 2/25 (letter of 2/21 with drawn. RB 2/28	
481500	3/17	To Cdts, IM's Supt Naval Academy CO Pensacola.	Reqst yards reserve sufficient funds out of monthly allotments to take care of necessary expenditures withing stations authorized allowances, to insure maintenance for efficient operation of all fixed radio stations. W N.Y.- Subm comments on. 4/5 W.	
481501 TO CARD 27	3-18	To Cdts IM's Naval Acad Cdt 9th and 15th Dists DNC PCCS DCS's Phil Com Supt Marine Co Co's Air Stations, S&A	Advises that maintenance yards of shore radio stations arrange to take over activities from District Cdts, DCS's and assume maintenance and upkeep as part of activities of stations. W Great Lakes- 3/23 Washington- Have taken steps to take over communication lines. 3/29 W. To Comdt Great Lakes 3/29 Phila- Subm recommendations cov revision of annual maintenance allowance, shore stations. 4/6 W	
		Boston- Fwds requisition covering telephone and telegraph service at Newport Trg. Sta. 5/3 W Y&D- Pearl Habbor rqst instrns rel cognizance of private telephone line 5/24 W		
483113	3-24	To Operations	Inspection of radio stations in West Indies- Representative of NY yard Comdr R.F. McConnel will make inspection under cognizance of N.Y. yard- W copy Comdr McC Radio N.Y. Dept- Request Cdr. McConnel complete inspection of Navassa Island Radio Sta. 3/27 W Fwd Norf 4/1	

REGULATIONS:

Number.	Date.	From or To—	Subject.
426257	FROM CARD 21		New Orleans 10/23- Fwds photos of Galveston Station. New Orleans- Fwds photos of Port Arthur Station. 10/23 New Orleans- Fwds photos for Mobile Station 10/22 New Orleans- Fwds photos for Pensacola Station. 10/22 14th Dist - Request increase in allotment. $6,000. 10/16. 15th Dist-Fwds photos of Darien Station. 10;23 Tutuila-Fwds photos- 11;4 Pearl Harbor-Tel-Auth allowance. 11;1 To Hawaii- 11/3 To Guam- Allowance increased to $20,000. copy to Comdt Mare Island. 12-11 N.Y.- Subm instrns for New Brunswick and Busch terminal stations. 12/16 To I.M. Ny. 12-12 copy to S&A- S.O. Ny
		Guam; (T) request allotment be increased $20,000 as previously recommended; W (Cross to Guam) To Comdt Norf-advise when may expect quarterly report of expenditures. 1-8 Key West- Fwds photos 3/8 Pearl Harbor - fwds photos of Helia & Wailupe radio Stations -3/1 Key West - recommendations covering transfer of allowance -4/10 - W To Key West- authorizes increase of $156.29 4-15 Guantamamo-Rqst disposition of armature. 5/4 D To Comdt M.I.-assignment of radio elec not appvd- reqst upon completion of changes stations fwds addtl photos to Bureau 5/11	
455082	10/24	Pac.Coast,Radio Supt. 920-15	Subm instrns for handling of inventories requisition, surveys and correspondence in conn with operation of radio station, 12th Dist. W.
455676	10;14 11;3	13th Dist Com	Fwds copy of form cov radio station in 13th Dist together with station inspec and routine. W
456803	11/3	Pac.Coast Radio Material officer	Copy of letter to various Yards in conn with repair parts for prime movers at various radio Stations. W.

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1919

Number.	Date.	From or To—	Subject.	
420676	FROM CARD 22	678	N Y 11-21 Matrl insp report light vessel #13 and #16. Pac Coast Radio Supt 11-17 RB 12/8 Norf 11-26 Rec auth immediate appointment of radio inspr at $7.60 (cross 635-3) To Boston- 115 authorized 12/8 Fwd Navgn. copy to 15th Dist. 12-12 RB 12/17 Fwd 15th Dist. 12-19 To I.M. Norf- 1-16 To Puget Sound (T) 2/24 To Key West- in conn inspection report 7/23/21 To Wash 7/23 To Comdt Key West. 7/28- in re St Augustine. W	
458693	11/25	ToCdts DNC IM's Supt Naval Acad. Y&D C&R PCCS Dist Cdts CO's Air Stations Radio Stas. Fleets Mare Island-Fwds correspondence for action 12/19 Key West-12/19 Fwd Y&D. 1-21 Fwd Y&D-1-5-RB-1,27	Radio telegraph, shore radio stations maintenance repairs and upkeep in condition for efficient and continuous operation. W Instructions covering. fwd M.I. copy Y&D 1/30/20 RB Key West - reqst 4 experienced radio repair men be added to station force - 12/10 NY 12/11 To Key West. 12-15 copy to D.S.Com. 7th Dist. 12th District-1,21	3/2
459963	12/4	To Opr via Com Copies Fleets Direc Com Intell	Radio telegraph. visitors not to be permit visit radio rooms of naval vessels nor be given info in re to radio installn or opr methods. Reqst C&R issue instructions changing lenses in radio rooms to prevent light from outside W	

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REGULATIONS:

Number.	Date.	From or To—	Subject.	
445532	9-9	Mare Isl.	Rqst Bur's action re Mare Isl's policy concerning establishment and development of radio shore stations. PCS comments on policy- S&A 9;19 fwd Com 10/1 fwd Cdt PS via Cdt NI PCRMO 10/6 R[B] 11;4 Transpacific Circuit-Fwds copy of correspondence. 10;15	W
432010	FROM CARD 21		Boston 9-20 (T) Installation sanitary arrangements and water system to be completed by local contract at estimated cost of $3000. To Boston (T) 9/23 To Boston- (T) 9/27 To Cdt Boston 10/4 Hawaii 10-31 Fwds prints and detailed report of proposed purchase of land at Heeia Radio Station. fwd Sol via Y&D Secty 11/18	
446727	9;3	Lt Laird	Sug plans for operating naval radio service in order that trained operators may be retained for Navy vessels. Cross to Operation and Laird	
447466	9/24	Dept	Copy of let to Mutual Tel Co regarding purchase of radio station. W	917

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REGULATIONS

Number.	Date.	From or To—	Subject.	
449085	10/4	To S&A	Reqst copies of forms be furnished Bureau. W	
449514	10/4	Radio Test Shop	Recommendations covering revision of annual allowance for radio sta, Radio and distant control stations; W K.	615-26
359093	From Card 19		Fwd S&A 10/18 To S&A- calls attention to letr of 10/18 asks reply 12/4 Boston- Fwds correspondence 8/10 W. fwd S&A 4/14 Boston 5/2 W Fwd S&A 5/12 To Norfolk- accounting in comm radio instaln on vessels of Ship Bd. fwds copies letters rel procedure- 2/24/21	

4—3381

Number.	Date.	From or To—	Subject.	
286700	FROM CARD 15	To Cdt Keywest	Material issued prior to 7/1/19 should be charged to approp 1919 8/6 cc to S&A To Naval Com-Fwd 10;22	
437 220	8/7	To Fleets Europ Fcs	Reg advises all CO's that repots must be complete rel to instalin and description of radio material on board	898
436989	8/2	Com	Memo on organization administration and operation of fleets and shore estab. and coordination of fleet estab by Com. W. Re address of Co Wygant Com.	876
420676	FROM 20 To Balboa- 11/7 To Hawaii 11/7 To Phila 11/7 To Puget Sound 11/7 To New Orl 11/7 To Chas 11/7 To Ports 11/7 To Boston 11/7 To NY 11/7 To Cavite 11/7 To Norf 11/7 Portsmouth 11-14	TO CARD 24	To Mare Island- Quotes from Acting Secty instructions in reply to inquiry from Bureau re travel by personnel of radio material organizations 8/13 Boston-Report of inspec Prices Neck Radio Sta. W 8;18 To MI- asks fwd duplicates 8/29 Fwd Bur Navigation 10/18 Phila- Report of inspection at Cape Henlopen radio station. 10/20 Phila. 10/20. To Communication 10/22 RB 10/28 Boston-Quarterly inspection report Surfside Compass Station. Cross to 919-1 11;1	

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
440166	8;11	Pacific Coast Radio Material Office	Report on organization of district radio material Dept M I Yrd. W
440748	8;14	Cape May	Reqst allotment of $400 per year for maintaining 40 Fed motors. W To Phila-Increases allowance of Cape Henlopen. 8;23
432010	FROM	CARD 21	To Cdt 9th10th 11th Dists- Recommends auth be granted and negot be made stations CALUMET- 9/8 cc to DNC Sol To Cdt 9th 10th 11th- req nego be made in re to purchase of site Grand Haven 9/8 To Mare Is- radio fiscal work year 1920- 9/8 To MI- 9/9 To Puget Sound- Gives recs made by Comdt PS mod by Bureau and auth by Dept 9/10 To Pearl Harbor- work authorized lists 9/10 To Boston (m) 9/19 To Boston (T) 9/18 Boston 9;25-Steps being taken to have sanitary arrangements made. Boston-Statement cov improvements. 9;30

Number.	Date.	From or To—	Subject.
432114	7/10	NO	Copy-Reqst instruc ref to keeping repair radio equip, asks if arrangements been made concerning the performance of work. 771
425207 see 426257	original entry 771		
426257	7-16	SEE CARD 20	To I.M. New Orleans-Maintenance allowance of the Grand Island Radio Compass Station 1920 is increased from $500 to $1200. W-K
SEE CARD #24		other side To 15th Dis- increase in allowance 9/2	fwd 9th 10th 11th Dist 7/18
		To Washn- increase of allow for Indian Head 9/12	To Great Lakes- fwds circular letter 7/22
		Gr Lakes Submits photos.	9th Dist-Sub outline of method. 7;17
		Naval Academy-Fwds photos. 10;3	To Cdts Annap- Req fwd photos of navy owned shore radio stations, other than light vessel stations 8/7
		6th Dist-Fwds status photos. 10;3	Indian Head-Reqst allotment $60. for painting masts. 8;12
		To SO Boston- cy of letr of 6/24 fwd 10 /7 c c to S&A Cdt Boston	To NO- auth maintenance allow of 250 8/13 fwd Washington 8/14 R B 9-10
		9th Dist-Fwds photos. 10;3	To Wash-Gives annual allowance for fiscal year of Radio Lab. 8;22
		Phila 10;13	15th Dist-Reqst annual allowance for Cape Nesta be increased to $3,600 8;16
		Charleston-Fwds photos 10;18	No expenditures made in con with flat rate radio maintenance charges for vessels other than naval quarter ending 30th. W
		Ports-Fwds photos 10;18	fwd S&A 7/18
		Wash-Fwds photos Indianhead 10;18	
433442	7;2	GL	
432010	7/29	To Secty	Sub outline of various projects, pertaining to radio stations for accomplishment during year 1920. W cross to 604
		To 9th 10th 11th- outline of work for 1920 8/18 fwd Sec 8/21	fwd Sol 8/8
SEE 22		To Boston- Accomplishment of radio projects for fiscal year 1920 as outlined is auth by Dept 8/26	Received back from Dept 8;18 approving expenditures for carrying out Naval Radio work during 1920 Cross to 604-20
		To IM Norf via DNC asks final recs 8/28 RB 4/19 W	To Sol 8;8 Received back 8;20 with detailed comments.
		To NY asks recs 8/28	To Chasn asks comments 8/28 cc to DNC
		G L 9-4 Rec against purchasing GRAND HAVEN AND CALUMET. (CROSS 793-5)	To KW asks recs 8/29
			TO CARD 23

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N.S.E. Form 134.

REGULATIONS: RADIO

Number.	Date.	From or To—	Subject.
433488	7/19	To Bureau Stds	Suggests appointment of one member from each of organizations, Dept. Signal Corps Bu Stds. for study and recs method of procedure W To Bu Stds- Comdr S C Hooper delsg 7/29
5 426247	FROM CARD 20 see other side		Fwd Great Lakes, reqstg copy of corresp covering yearly allowance for shore radio stations W 7/21 To Guam (T)-Radio allotment increased to $20,000. 1-6
433911	7/21	To Commun	Reqst test be made in order to determine if stations keep watch on naval ships-W reference to complain of Comdr Chief Atl Fl re unsatisfactory service W
434775	7-25 13th-Tel 7;26 14th Dist- Tel 7;29 12th Dist Tel 7;29 To 5th Dist Tel 7/30 To 3rd Dist Tel 7/30 3rd Dist- Tel- 7;31 6th Dist- Tel- 7;31 Cavite-Tel- 6;6 fwd Operations 8/11 Washington 8;13 Wash - 8;21	To Wash	Rqst be advised number of Marines desired during peace times to guard radio stations under cog of Wash Yd. W 8th Dist 7-25 (T) 6th Dist 7-25 (T) 15th Dist 7-25 (T) 4th Dist 7-25 (T) To Annap Dist. Tel: asks tel number marines if any desired guard radio stati ns during peace times W 7/24 To Comdt Washn- req no of marines required 7/25 7th Dist - Tel 7;25 5th " " 7;25 9th " " 7;25 Norf " " 7;25 Annapolis Station 7;26 1st Dist-Tel 7;26

N.S.E. Form 134.

REGULATIONS: RADIO

Number.	Date.	From or To—	Subject.	
418930	5;14	Ports	Outline of radio work for 1920	W
417648	5/14	To Chief Nav Oper	Inspec of shore radio stations re material matters, by Dist Radio Material Officers. W.	742
420320	6-3	To Comdt Mgrs	Reqst Comdts and Mgrs direct Dist Radio Officers to confer and cooperatio with C C Air Stations so that radio material activities of air service be efficiently carried on in conformity with policy outlined therein. W	
	Grt Lakes 4/11/21· W		MI- Recs for annual allowance in con with radio app on Tacoma, Denver, Cleveland, L 6;21	
	Fwd Operns 4/22/21 , RB 5/9 W		7th Dist 7;12	
	fwd Great Lakes 5-10		TO Annpolis-Fwds copy of Bu Letter. 10;13	
420676	6-5	To Comdts, Mgrs, Bureaus PCCS etc.	MI-Quarterly inspec report San Domingo. 8;2	
To Key West (T)-Reqts compliance with instructions Bu letter 6-5th 7-15			Gives instructions rel to inspection of shore radio stations by materila officers as regards other than personnel operation matters . W	
	To KW cc to Commun- req comply with instruc given 7/17		15th Dist-In con with personnel carrying out work. Tel 6;27 Boston-Sub Rep of readint at	
SEE 22	Key West-7;16 Tel.		Railroad Adm vessels. 7;17 Chatham, 7;22	
	Boston-Asks status of routine radio inspec of Ship Brd and		To Boston Tel 7/18 Key WestNec to replace old arc chamber of arc set. 7;26	
423612	6;4	NY	Annual allowance for Colan, Darien, Balboa, Coco Sola, reqst report of fwd to Bu be fwd'to radio material officer 3rd Dist. W	
			To- NY-~~n~~- fwds copies of corresp 6-7	
425223	6;9	Com	Conference in con with reduction radio personnel on shore, ship bulletin, discussion of ~~of~~ Com chart over land com. etc. W	
420683 see card 27 see 420676 also				

Number.	Date.	From or To—	Subject.	
399235	From	Card 18	NY-Submits estimate 6;13 To NY cc to San Domingo City- radio sta at San Domingo City omitted from author of allowance, equip invoiced to Dominican Govt 6-16 15th Dist-Recs for revision of allowance 6;16 Wash-Estimate of Erie allowance . 6;18 To NY- rel to maintenance of 6-16, Guam-Recs for revision. 6;24 Tutuila 6;29 Pearl Harbor 9;5 **To Cdt Hawaii via MI Supervisor- req make effort to maintain sta PH within allowance 10/2**	
425720	6;3 6;11	MI 12th Dist	Reqst maintenance of radio station Yerba Buena be designated also under cognizance of MI. Fwds photos of San Diego. 12/15 Mare Island- Ask if Bur desired new photos taken. 5/5 W.	W
427759	6;14 6;20	Norf S&A	Infor as to main sup station for radio stations within 5th Dist. **To S&A- all stations placed under yard Norfk for maintenance except those located along Severn & Potmoac Rivers under yard Washn. 6/25**	W
426257 SEE 21 24	6/24	To Comdts, IM's Stations To 9th 10th 11th Dist- does not approve recs, but if nec to exceed expd will consid req for trans portation of one to another station 7/5 MI-Tel-Asks what navy yrd has jurisdiction over Vladivostok. 7;10 GL-Reqst action 7;14	**Yearly allowance for shore radio stations** Phila 6;26 9th Dist-Reqst allotment for stations listed be made. 6;20 To Phila fwd copies of letr 6/28 To Com't 9th 10th 11th- summary of corresp 7/7 To Station Siberia Cable MI Tel 7/12 Charleston-fwds photos 10;18	W Pensc-Fwds photos 8;19 S&A 7;1 GL-Req action 7;9

4—3381

REGULATIONS RADIO

Number.	Date.	From or To—	Subject.
359093 see card 18	3-25	To Comdt Guantanamo Norf-Report of expenditures. 7;19 fwd NY cc to Guantanamo 7/24 MI-Quarterly report of expenditures. 7;31 To S&A asks fwd statement 8/18 To NY comments and inf req in com with expd made WALDEN 8/18 cc to S&A S&A-Gives charges. 9;20 To S&A- req furnish statement 9/29 fwd Cdt St Thomas via Cdt Guantanamo and IM NY 10/3 RB-I;27 NY 10;6 TO S&A-Reqst copy of let. 10;8 S&A 10;14	Guantanamo and Navassa Is radio stations will be placed under yard NY for maintenance and supplies, effective July 1st 1919- To St Thomas- placed under jurisdiction of yard Y 3-26 New Orleans-Asks what steps shall be taken by yrd to collect charges radio instal. W 3;24 To Shipping Bd. Reqst necess instruc be furnished rep at N.O. re collec 3-31 To Secty Navy Sol- reqst be advised if any legal objections to navy continuing flat rate service for Shipg Bd vessels and privately owned vesl whose owners apply for for period after peace is established- W 5-27 NY 6;16 Norf-Reports high charges to various vessels 7;18 Guantanamo-Asks if will provide spec allotment for power, fuel ice, etc at Guantanamo. 7;14
TO CARD 23			
405681	4/2	To Operations	Fwds for comment and suggestions, proposed circular letter of instrucns to be issued to yards and stations, re policy covering jurisdiction of radio material activities of air service W. 918
413670	4;18 4;24	3rd Dist Com	Fwds correspondence sug estab of card system for keeping inventory at radio station with approximate estimate of cost. W
415547	5;24 NY 7;8	To 9th Dist	(Old No) To Navgn- transfer of radio material activities ~~under supervision of instrucns 6-4~~
415022	6;2	Dayton Dowb Co	Sub quotations on pumps.

Number.	Date.	From or To—	Subject.	
398576	From Card 18		To 15th Dist- Approves recs. 5;3 3rd Dist-Fwds correspondence. 5;7 15th Dist-Sub req for workmen. 4;22 fwd Chasn via Y&D 5-8 fwd Navgn via Commun 5-9 RB 5;22 fwd NY 5-21 RB 6;3 fwd Nav 5-24 RB 5;29 To 15th Dist- cannot provide yeoman for this duty 6-4 To S&A- Info sub in accord with req 5-21- 6-10 To Nav- reqst orders to Lt W A Eaton 6-14 fwd S&A 7/10 S&A 7;3	W
415549	5;3	To NY	Radio material activities within the 9th, 10th and 11th Dist. under supervision NY.	W
416470	5-8 If pub of ship bulletine is nec 5-26 To NY- author allowance 5-27 To NY Tel 6-5	To N.Y.	Reqst expenditures in conn w maintenance allowance be reviewed and recs sub, for increase of such as already authorized not sufficient to meet necess expenditures. W NY-Recs for increase in allowance to various stations. 5;19 To S&A- rel to allotments overdrawn for sta during period of war, due to congestion in Supply Dept. 5-26 To Commun- reqst info	
417539	5;10	Boston	Submits statement showing maintenance allowance necessary during the fiscal year 1920 for radio and compass shore stations.	W

1919

REGULATION: RADIO

Number.	Date.	From or To—	Subject.	
2		(SEE CARD 19)		
359093		SEE CARD DUP 17	9th Dist-Req further instruc.	W
	3/12	Com To Re maintenance repairs and replacement of parts of radio installns on vessels other than Naval Vessels flat rate charges for To Phila	To Dists- fwds Shipg Bd list of American vessels dated Jan 1 1918 for files 3-1 fwd S&A 3-1 fwd Secty 3-1 R B 3:8 fwd NY via 3rd Dist 3-3 To 15th Dist 2/3 R B 3/5 fwd Communications 3-8 R B 3:11 To Ports- calls atten to ref c and d 3-8 To Ports- re above- 3-10 fwd NY 3-10 To Boston Tel- $000 charg Engr 1919 author provide facilities DRMO as recommended 3-10	
		Key West- Quarterly report 6:2 Cavite-Fwds radio material organ chart W 3:3 To N.Y. 2-20 RB 24 To Phila- comments 3-24		
398576	3-4	To Comdt Ports via Indus Mgr, Comdt Bos	Advises all radio material be placed under jurisdiction of Comdt Boston- md	
fwd Chasn	3-25	3-17 Balboa-Sub rep. W 4;14	To S&A- instruc re above- 3-5	
		To Portsmouth 3-19 To Mare Island equipmt for shp bd vessels 3-19 Ports-Sub	To Navgn- amendment of orders 3-8 Ports- Req instruc in con with radio req. 3;13	
See Card 19		~~radio~~ data. 4;7 To S&A-Fwd 4;28	Com-Fwds report from Charleston cov organ of ~~cent-cov~~ dist radio activity. 3;15 To Charleston 2;25 Received back 4;9	
399235	3-7	To Comdts, Mgrs	Revision of annual maintenance allowance for, reqst sub applications for in dupl	
To Card 20		15th Dist 5/2 Submits report of Annual Maintenance Allowance. New Orleans 5;15 Hawaiian 5;22 Guantanamo-Recs for revision of annual maintenance allotment. 5;14 Nori-Revision of annual maintenance allowance. 5;21 OLONGAPO-5;28 CAVITE 5;28	Naval Academy-Estimate for station. 3;17 Phila-Sub data on radio station. 4;18 Gl-lists allotments req for various stations. W 3;25 Santa Domingo-Fwd 3;7 RB 4;17 Ports - 3;28 Boston-Req Lab be assigned $1,600 Pg Sd-Application for revision of maintenance of allow for Pgs and Astoria. 3;29 Fwds copy of semi monthly radio report	5;24
401749	3;9	Chat	To Chatham- fwds report 4-1	
396218	2/17	Com	Sub list of work tunes to be used when transm offical traffic stations listed W 905	

1919

Number.	Date.	From or To—	Subject.	
403520	2:26 3:11	PCS Pacific Coast Super	Fwds prop radio material organ chart for Pacific Coast fwd Comdt Puget Sound 6/28 RB 7:21	W
404408	3:21 3:20	6th Dist Com	Fwds report on radio organ and sub recs concerning transf from Navy Yrd to Dist Commandant Organ. fwd 6th Dist- 3-25	W
403418	3-19	To New Orleans VOID	Tel: req notification whether sttic detrimental to good radio comm at present date W VOID	
404012	3-20	To Comm	Quarterly inspectn report of Nav Radio Station, errors in W	
401475	3/14	To Comdts Yds & Sta	Advises that vessel operating o in American waters will be fietted w 2 spark gap in accordance w pre-war policy-the rotarty gap being employed only for auxiliary purposes-	898

4—3381

Number.	Date.	From or To—	Subject.
373356	11;14	Boston	Fwds prints showing tentitive radio organ of Boston Dist.
367844	11/29	To H.Rds.	Fwds. 3 blueprint copies.
359093	12/5	To Bu of NAV/ To 1st Dist.--- Fwds Comm. 1st Nav Dist. 12/19 To 7th Nav Distr.---Request 2 electricians to Key West for repair work. 12/19 To Navigation--Quote excerpt from 1st of Comm 12th Nav Dist Req distr inspr be assigned addtl duty. 12/20 To Nav---req 2 electricaians be detailed 7th Nav distr for repair work. 12/20 Perl Harbor-Recs no change be made at present. 12;9 Phila 3;20;19	Concurs in the recommendations contained in ref. (b). Rec back from Dept 12;9 authorized. 12th Dist-Fwds radio chart. 12;4 To 4th Dist. Gives instructions re storage facilities. 12-10 Fwd. BuNAV 12-10 fwd AY via 3rd Dist 3-3 13th Dist. Dec. 5 - submits comments on jurisdiction of radio cavities Phila-Fwds blue prints with details. 12;10 First Dist. Fwds print with detailed recommendations 12/12 12th dist-No suitable office or Guantanamo 12/2 storage facilities. 12;24 15th Dist. recommendations in connection with assignment of Dist. radio material Asst. 12/13 15th Dist-Tel-Req instructions. 12;16 Com-Fwds reorgan plans to Norf. 12;16
377100	12;10	Phila	Conf tel conv rel to proposed changes in radio dept.
380572	3;10	Ship Order Fwd	Rec back 3;20
380315	12;17	12th Dist	Req that all yards be instructed to fwd copy of semi-monthly report to 12th dist. W

SEE OTHER SIDE CARD 18

4—3381

N.S.E. Form 134.

REGULATION RADIO

Number.	Date.	From or To—	Subject.
	1		
> 359093	12-19	To 13th Dist (T)	14318 Dept auth incu extensive additional
To——Reqst.		that action be taken detail	expenditure purchase or rentals extremely
Radio Sup.		To 13th Naval Dist- Concerning	doubtful Asks if sufficient space cannot be
Officer 2/21		flat rate and recs to be	obtained 12-19
		returned. 1;18	Fwd Dept 12-21
		To S&A 1;7 received back 1;23	To RR Admis Wash- Gives further discussion
			of purchase and maint of radio instalin
		12th Dist-Tel-Shipment of radio	on merchant vessels under the control of RR Adm
TO CARD		material for vessels other than	Fwd 5th Dist via Director Nav 12-23
16		navy should be made to radio	Comm 12-27
		material officer. SF. 1;24	Fwd 4th Dist 12-26
		12th Dist - 1;20	12th Dist-Req authority to rent two additional
		~~12th Dist- Copy- Asks if~~	floors. 1;6
		12th Dist-Asks if genl order	4th Dist- Lt L C Jensen awaits orders. W
		modified transf of radio material	1;6 Tel
		from Yrd to dist. W 1;25	Received back from 5th Dist 1;6
		8th Dist-Tel-Asks if San Jocinto	fwd S&A 1/7/19
		is cov by flat rate. W 1;28	Received back from 5th dist 1;9
		Key West- 1;27	Guantannamo-Req action. 1;2
			To/ Fwds S&A 1/8
		12th Dist- 1;23	Fwds S&A 1/9
		To Nav 1;23 received back 1;31	To 12th Dist——16206 referred Sanda for tele
		To Guantanamo- Asks if they is	graphic reply ~~as~~ Sanda arranging for entire
		desired to place maintenance exp	storage facilities within dists. 1/8
		enditures under 3rd Dist 1-24	S&A-Further instruction in con with maintaining
		12th Dist-Fwds application of	and repletion expenses. 1;6
		Robert Dollar Co for maintenance	of Sixth Dist-Tel- Reorg placed in effect. W 1;10
		of apparatus on Stanley Dollar. W	To 6th Dist (T) Has temp organization been
		1;29	placed in effect 1-9
		~~12th Dist-~~	Sixth Dist-Sub organization scheme. W
		~~4th Dist~~ - 12;26;18 back 2;4	1;11
		To 7th Dist-Tolls should be supplied	To 8th Dist-Dist radio Materila Officers hould
		to BULANA without charge to be in	cor resp with Bu via immedite superiors 1-13
		cluded in flat rate service 2-3	S&A - 1;14 Tel
		Fwd 15th Dist 2-3	To Nav 1;10 ~~received back 1;16 with drawings~~
		Fwd Bost via S&A 2-3	and details.
		To Ports-In re jurisdiction of radio	To Nav 1;9 received back 1;16
		acitivities 2-3	Pensc-Weekly report - 1;13
		To 1st Dist 1;21 back 2;5	S&A - 1;14
		Pearl Harbor-Nec to detail re-	To Nav 1;8 received back 1;18
		placement of Chief Yeoman. 1;25	To Nav 12;20 received back 1;17
		To 12th Dist T 2-5	Alaska Steamship Co-Asks if proposal
		5th Dist 2;21 received back 2;10	applies to all vessels of Merchant Marines 1;11
		To——Fwd. S&A 2/20	12th Dist- Tel- Req action 1;18
		12th Dist-Fwds report on charges.	12th Dist-Req asignment of account number. 2;14
		2;17	Railway Adm. 1;17
		First Dist- Asks to what	appropriation exp in con relocating bat on ship
		shall be charged. 2;13	

4—3381

[OVER.]

REGULATIONS

See 16

Number.	Date.	From or To—	Subject.	
359093	12-28	To all Dists and Stations-	RE maintenance, repairs, and replacement of parts of radio installns on vessels, other than Naval vessels-Flat rate charge for	W
	To 3rd Dist 1;2 received back 1;15		To 13th Dist-(T) 09424-Lab and storage facilities should be permanently retained 12-28	
	foreign ships" 12-21		Fwd 5th Dist 12-28	
	Fwd 5th Dist 1-21		To 14th Dist-RE jurisdicton of radio activities under the cog of SE withing various Nav Dists 12-28	
	Fwd 1st Dist 1-21		To Dept-Rec that 14th Dist be auth to employ 1 radio elec for ship radio work 12-28	
	Fwd 12th Dist 1-21		13th Dist-Office space req will be provided 12.30 Tel	
	Fwd 2nd Dist 1-21		Dept-Will advise 14th Dist to call on Pearl Harbor for details of mechanics qualified for radio duty. W 12;31	
	Fwd 1st Dist 1-21		Fwd 14th Dist 1-6	
OVER	To all Dists- RE jurisdiction of radio activities under cog of SE withing various Naval Dists 1-21		Fwd 8th Dist 1-8	
	Fwd 3rd Dist 1-21		Fwd S&A 1-8	
	Fwd Nav via Nav Comm 1-23		Fwd 3rd Dist 1-13	
	To 12th Dist (T) 11318 see 11020 1-22		Fwd 4th Dist 1-21	
	To 6th Dist-RE jusisd of radio activities in SE with Nav Dist 1-30		TO US RR Adm- Fwds additional copies of circular letters -"List of American and not covered by flat rate service 1-29th	
	To 12th Dist-RE inquiry flat rate radio service from China Mail SS Co 1-30		Yrd. Guantanamo- 2;6	
	To 8th Dist-(T) 09328 SAN JACINTO		Reqts shipmt from Norf to Cape Hatteras for C.G.Sta 183 one genco 3/4 KW battery charging unit	W
	13th Dist 1;18 back 2;6		Pearl Harbor- Req Lt Brier be detailed as radio officer. W Tel 2;20	
	Fwd Ch Nav Oper 2/11			
	Dept-Corresp rec back disap transf radio personnel from Navy			
380572	1-10	To S&A		
388923	1;14 1;25	Annapolis Station Com 920-1	Sug plans for high power radio station and other arc stations, detailed recs.	W

4—3381

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
395121	2;14	Inspr Phila	Conf tel conv in con with report on radio work under Phila office.	
359093	OVER		Fwd 14th Dist 2;6 R B 2;21 fwd S&A 2-25	

See 16 Vol Lamp

Number.	Date.	From or To—	Subject.
233492		M I SEE CARD 14	Allotment for Training School, Cal.
			2nd Dist - List light vessels be equip with radio apparatus for which allotment of $600 is reqst.
			To Ports. Explains status of rad.stations of Boothbay & Bath. 8/27
			Pearl Harbor- Reqst action. 8;30
			Fwd. BU NAV. 8/30.
			To Inter.RTCo. Fwds. copy of inspect. report. 8/30
			Nav.- Decision relative to jurisdiction and maintenance of radio schools. 8;30
			Pearl Harbor- 8;31
			International Radio Tel Co - 9;9
			To Hawaii Re allowance for Pearl Harbor R.Sta. & Dis.Com.Supt. 9/12
			To Bu. NAV. Re maintenance & jurisdiction of Radio Schools. 9/14 . Fwd. 2nd Dist. 9/14 rec 9;17
			To Wash. Allots amt. for radio experiments. 9/17
			Fwd 2nd Dist 8;28 received back 9:17
			To Mare Is . Re jurisdiction of Rad. School at Marshall,Cal.9/24
			Com- Fwds estimate of NY for distant com super. W 9;25
			To Newport. Re light vessels in 2nd Dist. yearly maintenance allowance for rad. & jurisdiction thereof. 9/26
			Pearl Harbor-Req reply to letter of 9th Tel
			To NY. Yearly maintenance allowance of NY Rad. Sta. & expenses of Dist. Com. 3rd.Dist. 10/2
			Second Dist - 10;1
			Fwd. Newport 9/26
			To Second Dist. 9/14 R. B. Oct. 15
			Pearl Harbor- Tel. Req allotment $800. 10;23
			To Bost- Makes allotment of yearly mainten ance allowance for Boston Light Vessel 54 11 -1
			To Wash- Makes additional allotment of $2000.00 chargeable to "Vaiation Navy SE" 11-2
			To Pearl Harbor (T) 15523 cable censror s office Honolul u alloted one thousand dollars for fiscal year 11-2
			To Director Naval Comm.re status of radio stas and section patrol radio stas 11-14
			To NY, re increase of allotment, 11-22
			To Wash,increases yearly maintenance allow,11-29
			To NL,re experimental work,11229

		4th Dist-Quarterly Inspection report Cape May Section base. W 1;23	
		S&A-Fwds req from Washington for accounting number 2;8	
		Fwd S&A 2/17	
		Pg Sd-Req additional allotment of $2,000 for Keport Station. W 3.24	
		To Puget Sound- increase of allot $2000 4-2	
		To Washington 11;2 RB 4;11;19	
		fwd omit Wash 6/30	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
357775	10/3	S.D.	Request station be supplied with copy of naval radio regulations W ~~Fwd Director Nav Comm 10-23~~	
363203	10/29	To NY	Rqst 2 copies of semi monthly rprt radio of 9/15th W	876
363204	10/29	To Chasn	Asks 2 copies of semi-monthly radio rprt of 9/15 W	876
~~363213~~	~~10/29~~	~~Dist Comm Supt NY~~	~~Authorizes g~~	
359093	11-14	To Comdts & Yards To Shipping Bd.- In re above. 12/18 To Bug Sd- Authorztn cannot be obtained at this time for purchase or rentla of building referred to in ref. 12/18 Fwd 3rd Dist 1-2 Railroad Administration 12;30 Ports - Submits report 1;1 12th Dist-Req authority for 2 additional floors. 12;31 To San Frisco 12th Dist T 1-23 To Inspr Phila- Rqst all reports re aircraft radio app be subm thru Comdt 4th Dist- 2/15 Fwd NY 7;24 RB 9;30	re jurisdiction of radio activities under the cognizance of the BSE within the various Naval Districts W To 2nd Dist, re status of stations in 2nd Dist, 11-26 12th Dist-Req all radio correspondence be fwd to 12th Dist, organization effected. 11;25 Com Superintendent Phila- Fwds report. 11;27 ~~12th Dist- Received book from Mit 11;29~~ 12th Dist- Submits report of board. 11;22 First Dist- Will place tem radio organ material for the 4th. W 11;30 To 12th Dist-(T) 11525 Doubtful if Dept would approve additional rental space for ressons given 11-29 2nd Dist - Lt W W Massae directed to report to 2nd dist for duty as dist radio material officer. W 11;29 4th Dist-Gives rental of storage quarters. 12;4 12th Dist-Req authority to sub req cov rental W. 12;10	

See Dep. 16

Number.	Date.	From or To—	Subject.	
307965	5;7	Atl. Sub. Div. #1	Reqts 6 copies of radio regulations W Fwd Naval communications--5-21	
286700 SEE 21	4;24	Tutuila SEE CARD 14 To Com. Key West. Author. sum of $600. for replacing motor dory. 7/22 Guam - Rec allotment to be fixed at $7,500.00 5;14. To B.of Nav. Re maintenance of Rad.Schools. 7/25 To Nav. Maintenance of Rad.School 7/25	Submits revision of annual maintenance allotment. W Key West-Reqst allotment $600. 7;28 Cavite 5/9 Charleston-recmnds keep maintenance allow of all stations except Saint Augustin. 6/7 TEL: Reqst. action in connection with allowance.W To KeyWest (T). Let. fwd.7/15 contains yearly allotments. 7/15 (See other side this CARD)	
308086	5-20	To Sims (T)	Cable wave lengths adopted communication between air stations and planes also air stations and patrol boats W Sims Copy 8332 - IL 8232 Complete information sent naval communication 5;14 W 5;23 San Francisco Training Station 6;12 W	
310466	5/28	To Yards	Radio Tel-Adherence to Navy Standard plans of radio equipment-Det instruction in re to.	878
246302	5-23	To US Shipping Bd	Asks what date SS NORTHLAND was last taken under regtn - 5-23 To Marconi. States that NORTHLAND was released 5/25. W 6/12	W-15

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N.S.E. Form 134.

914 - REGULATIONS: RADIO 1918

Number.	Date.	From or To—	Subject.	
316900	6-13	4th Dist	Radio stations in District - fwds revision annual maintenance allowance. W	
322654	6;25	Communication	Copy of circular letter, reports that communication regulator of 1918 will be issued shortly	
233492 See CARD 16		See CARD 12 Great Lakes - Reqst infor relative to action taken by bureau in connection with allotment. 7.19 To Com. Great Lakes. Matter referred to B.of Nav. 7/25 .Fwd BUNav.8/30 To Nav. Com. via Wash. Author. allowance for Rad.Sta.So.Bldg.Wash. 7/25 Key West- TEL - Reqst $300.allotment for each station. W 8;2 Fwd 2ndD.8/26 Fwd. Communications 8/3 rec 8;8	Asks if any rental charges have been paid on radio stations. W Pearl Har. - Asks if allow. To Com. ,Ind.Mgrs.& als. Re yearly allowance (is for Shore Radio Stations. 7/15 (author Phila 7;17 7th District - 8;6 Ports - 8;22 To Phila. Allots amt. to cover expenditures in excess of allot. at Tuckerton. 7/19 To NY. Reqts. that all ref. to Barnegat Rad.Sta. cont. in let. of 7/13 be erased. 7/22 Key West - Reqst for allowance on additional sta Key West - Fwd reqst as listed for allowance. 8;2	
327132	7;11	Naval Com	Copy of circular letter containing instruc. in connection with com. with ship at sea. W	
286700	7/27	SEE other side of this CARD	To Guam. Increases allow. for Rad.Station. 7/27 Frisco Training Sta - Fwds devision of annual allowance for Yerba Buena. W 7;22 To SF. Encl. cont. authorization of allow. for Rad. Stat. 7/31. To FCCSupt. (T) Allow. of $10000. for ensuing f.year. 7/31	

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1918

REGULATIONS: RADIO.

Number.	Date.	From or To—	Subject.	
274624	1-16	Comm	Reqt recommendations concerning commercial radio stations and location of direction finding stations in connection with bill giving control of commercial radio stations to the Navy.	919
273889	2/4	To Comdts Pac C Supt-W. 2-14 To PCCS--Gives action.2/23 Ports-log book was sent Feb.18th.3/27 To Wash-- Fwds as rqsted--4-27 To Ports-fwds as rqsted-4-27	Radio stations log books. Replacing of form NSE 22 by form NSE 267. Fwds books. W Boston 2-7 requests instructions for writing up log sheets. Ports--reqt instrns re furnishing station with log books.2/7.W To Ports--Fwds add'l copy of log book.2/15 To Dist Com Supt Bost--I nstrns re submitting logs.2/19	
282261	2/4 2/14	3rd Naval Dist S&A	Various stations listed - asks if come under NY Yd - W Fwd S&A via Dept--2/19	
285344	2-28	Director Nav Communica.	Asks if any changes in radio regulations covering working tools. W (Cross to Wave Lengths)	
286700	3/8	To Yards Stations Canal Zone-Submits recommendations for stations.W 4-3 Naval Academy 4-17 Norf--4/13 Frisco Station - Fwds revision of annual maintenance allowance. W M Is - submits revision of annual maintenance allowance for various radio stations - 4/22 - W To Puget Sound 4/8 RB 5/2 4/24 Vergin Is-rqst maintenance allow.W	Revision of annual maintenance allow. Directs submit application for, if considered necessary.W 2nd Nav dis--3/14 To Frisco--3/23 To PCCS 3/23 Guantanamo-Request revision of allowance.W 3-21 USS PENNSYLVANIA 3-25 VOID NY 3-28 4th Nav Dist-Submits estimates.W 3-28 Key West W 4-3 Ports--submits recommendation 4/3 Pearl Harbor-4/26. N Y sub. revision of maintenance allowance of stations listed. 5;11 (Transmitter sub revision of annual maintenance allowance.)	SEE CARD 15

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3;8 to yards, received back from NEW ORLEANS 5;20

N.S.E. Form 134.

REGULATIONS: RADIO. 914

Number.	Date.	From or To—	Subject.	
233492	SEE CARD 12	SEE CARD 16	To Pearl Harbor--(T)Makes add'l allott.3/16 M Is - W. 3-19 To Phila. Encls. fwd. as per reqt. 7/24 Key West - Reqst allow $300. for each of stations listed. W 7:30 To Key West. Asks if $300. reqd. for each station. 7/31	
		To Key West.(T) Authorized chargeable to Nav. Emerg. Approp. 8/9 Fwd. Key West, 8/12 2nd Dist - Sub report of inspec of NL radio sta. W		
292991	3/20	Pacific Coast	Copy of circular to all radio stations on the Pacific Coast giving instrns relative to use of log book from 267 replacing No 22 - W	
298165	4/16	To General Supplies Com. 617	Reqt fwd copy of General Schedule of Supplies, 1918. W	
302597	4/19 5/1	NY Y&D	Reqst instrns relative to probable charge for maintenance of wireless stations from 3rd Naval Dist. FWD Y&D--5-4	
305234	4/30 5/8	7th Dist Communications.	Request share radio station outside of Key West be put under control of Cmdt of Dist as far as relates to a tns, repairs and maintenance.W Fwd Dept, 5-15 Fwd Director of Nav Comm 5220	
305674	4/25	Pearl Harbor	Rqst 2 copies of radio regulations for Machy Divn. W Fwd Communicatiosn--5-11	

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[OVER.]

REGULATIONS: RADIO.

Number.	Date.	From or To—	Subject.
249980	9/19	To Chasn	Semi-monthly radio reports. Re advantages of continuing reporting list of job orders on hand.W Chasn--9/25.W
251276	2/16/16	Chasn (Personal)	Cooperation radio work; regulations to govern.W
252422	10/1	Sayville	Semi annual radio reports issued by Bureau; request be furnished with.W To--No policy to furnish.10/5
253279	10/8	To Bost	Directs correct semi-monthly report by giving drawing numbers complete, and revised prints sent to Bu and to all yards. W Bost 10/18
255335	10/31	To NY	Repairs. Reference cards for. Fwds samples, with detailed instrns re filling out. W
246302		CARD 12 To 12th Dist--Fwds copies of previous letters.11/8 Hawaii 10/30 To Pearl Harbor--Fwds copies of corres as listed.11/20 12th Dist 11/17 Hawaii 11/14 To Yards--Invites attention to letter of 8/30, should vessels be taken over; re purchase of radio apparatus. 11/26	Great Lakes can make repairs naval vessels at Great Lakes 11/2 7th Nav Dist 11/2 12th Naval Dist - (T) request copies of letters 11/5 W RB from 1st Nav Dist 11/6 N Orleans-11/5. OVER 4th nav dis-11/7.W 5th Dist 11/7 Hawaii 11-15 Chasn 11-28 Dept of Commerce 1-5

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N.S.E. Form 134.

REGULATIONS: RADIO. 914

Number.	Date.	From or To—	Subject.
246302	12/5	To Yards Stations Supts. OVER	Fwds booklet giving data, re radio equipment for merchant ships. Comments on. W Fwd Dept--12/5 Phila 12-7 To Shipping Board--12/8
		To S&A--Directs have New Orl obtain stock of spare parts.3/13 To Grt Lakes--Directs prepare reqn covering radio equipment on FAVORITE 3/28 Marconi Co 3-28 Marconi Co-Request further info.W 4-2 To Marconi Co--3/30 To Marconi Co--4/13 Marconi Co--4/13 To Marconi Co--4/19 To Marconi Co--5-28 Shipping Board - NORTHLAND delivered on requisition Feb 16. 5-28 To USShipping Bd- Asks date of release of NORTHLAND AND when it was again requisitioned 5-31	Pearl Harbor (R) asks what is chargeable with repairs to radio on Army Transport inspection 12-12 To Phila--Fwds copies of Bu letter of Dec 5th. 12/11 To Dept Commerce--Fwds list of vessels commandeered by Shipping Bd, and rects infor re radio apparatus installed on. 12/11 New Orleans 12-12 To Pearl Harbor--(T)12/13 To 3rd Dist--12/13 To Pug Sd--12/13 To New Orl--12/19 Dept Commerce ~~1-51-8~~ 1-5-18 Pug Sd 1-4 To 8th Nav Dist 1-18 RB 1-29 Phila renews request for 7 copies of mimeographed or printed circular letters 1-29 Fwd New Orl--2/1 To Phila--2/4 To Nav Com--Fwds corrected list of vessels.2/23
			1918
272196	1/12	To Yards Com Supts	"Description of radio installation"Form NSE 25-A Directs submit at once. W 4th Nav Dist 2-6 Cavite - 6-3
273741	1-11	Cape May Section Base	Request 2 copies of Naval Regulations covering radio.W

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[OVER.]

REGULATIONS: RADIO. 1917

Number.	Date.	From or To—	Subject.	
212724	1-26	Indian Head	Recommends change in Radio regulations relative to manner ships standardizing their time; (Cross time signals) Fwd Nav Com--2/12	
217518	3/12	To Yards Pac Coast Supt	Directs make rec re revision of maintenance allow for radio stations prior to June 1st, if considered necessary. W/ ~~We~~ Arlington request maintenance allowance be increased to $16,000 3/19 Arlington estimate for director's office 3/19 To M.Is. Phila, Pug Sd--(T)Directs wire annual maintenance ests. 6/6	
224997	4/21	Bost Supt	Recommendations for new money allowance. K&W radio	
225066	4/27	To NY	Lists radio sets which will be assigned to vessels taken over by Govt, to be held at NY. W	

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914 REGULATIONS: RADIO.

Number.	Date.	From or To—	Subject.
230970	5-21	M. Is	Rec annual allotment for stations under M. Is.W M Is (T) gives allotments required for commercial stations taken over and all radio stations under M Is 6/7 M Is (T) gives annual allowance for stations coming under M Is 6/10 To--(T) Reqt each radio stations est annual allott.6/9
233492	6/15	To Yards & Dist Supts	Submits plan for yearly allow for shore radio stations.W/1
	To Phila--12/19		To--Further instructions.7/9
	To Pearl Harbor--(T)Disappvd.3/7		Wash letter not received 7/11
SEE CARD 15	Pearl Harbor-T-reqt further instrns. 3/10		To Wash--Fwds copy of letter of June 15th.7/17
	To Pearl Harbor--(T)Ask reasons in detail for necessary 50% inc.3/11		To Yards--Lists add'l to list - district patrol radio stations.11/6
	Pearl Harbor (T) submits average monthly expenditures 3/14		To--Amends letter of 6/15.11/15 Phila 7;12 Bost 12-7 4th Nav Dist 12-12
241183	7/30	To Capt Todd	Fwds outline of basis of radio organization.W
246302	To Phila--10/29	Newport gives	ports assigned to material section at Newport 10/30
	8/30	To Yards S&A Supts	Summarises radio installations under jurisdiction of Navy Yards, Atlantic Coast. Status of. W
	SanFrancisco (T) - reqst copy of letters referred to 10/2 W		Ports 9/4 6th Nav Dist 11/1
	To Grt Lakes--10/6		To Grt Lakes--Fwds copy of above letter.9/8
	M Is 10/10 Phila 10/19		San Francisco 9/5 CARD 13
	To--Reqt list of ports assigned to each Yard within Dist. 10/27		To--Detailed instrns in connection with repairs to. 9/22
248149	9/10	To Ports	Fwds copy of plan for the Co-Ordination of Radio Work at Navy Yards, with comments on. W
	Ports--1/31		To Yards--Ports Yard will be included in semi-monthly radio exchange in future.9/10
	To Ports--3/8		Ports request certain information in connection with 924

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REGULATIONS: RADIO:

Number.	Date.	From or To—	Subject.	
192601	7-12	To Yards-Stations.	Recommend that annual inspection of radio stations by Public Works Officer be made at same time as District Radio Supt in order that conflicting recommendations will not be made. W NY request district radio superintendent notify yard when ready to make inspections 7/20 Fwd Dist Supt Dept--Take up with NY. 7/25	RB 7/28
198327	8-3	Dept	Circular: Naval Radio Service to be known as "Naval Communication Service", and former Supt. to be known as "Director Naval Communications". W	
198738	9/5	Atl Flt	Copy of proposed regulations for fleet instructing vessels in port to use arc sets for practice purposes, etc.W At Flt copy of regulations 9-24	
200662	9/29	To Yards.	Adjustment of calling and working wave lengths, for ships equipped with arc radio transmitters.W	
203328	10-9	Electrician	Reqt data on radio regulations.W Fwd Dept--10/25	
204244	8-3	Dept	Radio service to be known as Radio Communication Service; outlines duty of Director. W	

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REGULATIONS: ?RADIO

Number.	Date.	From or To—	Subject.	
204926	11/11	To Radio Stations	Instructions re use of "Machinery Index Book". W	
	Fwd Phila--Fwds 3 copiesto. 12/16		Darien reqt 3 copies 12/5	
206818	11-16	De Forest Co	Fwds Copy of letter to Commander Todd Re proposed regulations; particular reference to regulating undamped wave stations.	884
207061	11-24	M.Is	Allowance for; understands are on annual basis; Bureau letter refers to quarterly; asks if shall be divided into 4 parts.W	
			To--Allow on annual basis. For present annual allow will not be divided into 4 parts. If deemed necessary, however, Bu reqts comment.12/7	
207198	12/4	To Nav Com	Rec appointment Officer of Aid for Infor each Naval District. W	
207051	12/4	To Comdts, Dist Com Supt and Stations.	Lists relative efficiency of various stations and districts. W	
			NY complains of efficiency standard given NY Sta 12/21	
			To NY--Comments on. 12/26	
208774	2-20	Bd on Organization Radio Service	Report of; fwds; approved by Secy July 14, 1916.W	
Sur 22	12/29	To Bost	Directs orders be issued to keep a systematic record of equipment and apparatus at Chelsea.W	
210906	1/8	NY	Alcohol tank for arc set; present location on upper deck radio station contrary to regulations; recommends special compartment be built for	876

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[OVER.]

REGULATIONS: RADIO

1915

Number.	Date.	From or To—	Subject.
169510	10-26	NY	Reqt new instructions relative to wave lengths, various classes of ships. W
170328	11-5	To Yards-Stations,	Radio wave length assignment; gives lengths for naval ships. W
176207	1-15	To Yards.	N.S.E. Form #74; quarterly expenditures of radio station; fwds. K

1916

Number.	Date.	From or To—	Subject.
177057	1-10	At Flt	Reports on use of shore stations in relaying messages between division of fleet; reqt rule be laid down. W To Supt by mail without fwding end 1/25
177347	1-18	At Flt	Operation orders by radio; instructions for handling.W
177518	1-26	New Orleans	GIVES reasons why their yearly allowance of funds should be increased. AW
177465	12-30 1-27	Brooks, E.J.Co S'A	REgulations calling for sealing of radio apparatus on foreign vessels in American ports;propose to furnish tin button seals. W Fwd Operation--1/31
177721	1-22	San Fran Sta	Submits allotments desired for radio sta. W To--Instrns re request for allotments.2/5

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REGULATIONS: RADIO. 914

Number.	Date.	From or To—	Subject.	
181492	3 /3	Supt Radio	TENNESSEE; copy of orders for maintaining communication with while on trip to South American ports	431-6
188387	5/27	To Various	Radio apparatus not to be altered without authority from Bureau; suggestions for changes welcolmed·W	
188386	6-12	To Yards.	Inspection and maintenance of shore radio stations; calls attention to Naval Instrns covering. W New Orleans reqt additional information 6/16 To New Orleans-- 7/21	
190266	6-16	To Yards-Radio Supts.	Plan for yearly allowance for shore radio stations; make yearly allowance and instrns for charging. W To S&A-- Fwds copy above· 6/16 Ports reqt further info re inspection 6-26 Aero Sta allotment required 6-24 To Ports-- 6/30 To Aero Sta--Makes allotments· 7/5 To Yards-- Fwds forms for reporting quarterly reports of radio expenditres·8/3 To Chasn--Should have enough form NSE 74 to last several years. Reqt that this be looked up. Supply here exhausted. 10/13 Chasn cancels request 10/20 To Pac Coast Com Supt--Instrns. 12/13 To NY--Reqt detailed list of expenditures under "Repairs and renewals, $1,159.92" San Juan Radio Station. 12/19	

To NY--Reqt infor on quarterly report of expenditures over allowance, 12/19
NY 1/3
To NY--Auth transfer expenditures Receivers to an expenditure not maintenance allow. 1/8
To NY Rqst statement re expenditure of station at Fire Is NY, 11-15
To NYre expenditures at Belmar 11-16
New York 5;1

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[OVER.]

REGULATIONS: RADIO:

Number.	Date.	From or To—	Subject.	
161790	7-29	To Atl Flt-Yards.	Send station call letters when making test of new radio set in order Bu Standards may distinguish. W	876
164343	8-25	S&A	Proposed accounting system for radio stations on shore. W Retd-- Comments on. 8/30	
164419	8-27	TO M.Is. & Pug.Sd VIA Supt Radio	Radio improvements for Pacific Coast; approves estimates. To M.Is--(R)Wire dapte completion San Diego and Point Arguello stations. 11/12 M.Is (R) San Diego Dec.1; Pt.Arguello Jan.1 11/12	
164807	8-31	Ports	Fwds copy of letter from District Supt Boston,district, to Portland and Ports stations; violation of regulations; stations under control of Ports yard.W Fwd Nav--Recommendations.9/2	
164973	9-3	To M.Is-Pug Sd-Pac Ct.	Special eng allotments for radio purposes; instructions re. W	
165214	9-3 9-7	Penrose, Hon Boise Dept	Reqt Commercial Radio Traffic Regulations be sent to American Phil Soc. W Fwd Dept--Rec matter be handled by Rad Ser. 9/8	
163343	9-27	SEE CARD #8 To Bost Via S&A.	Increase in allowance; Bost; changes allowance. W To M.Is-- 10/4 TO Canal Zone 10-20 To Yards--Reports not rec'd. 2/7 RB from Wash 2/16	

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914 REGULATIONS: RADIO:

Number.	Date.	From or To—	Subject.	
167726	10-8	To Yards & Stations.	Directs radio personnel be cautioned not to discuss radio tests with civilians owing to certain patent litigation in connection with radio inventions now pending. W To Phila--Directs Expert Radio Aid Forbes be especially cautioned. Lo.9 Tp DELAWARE--Ditto for Chief Elec Lee.10/9 To Bost-- For Lee. 10/11 RB 10/18	
168251	10-12	NY	Reports expenditure quarter end Sept 30 for NEW York, Fire Island, San Juan, Sayville, Colon, Balboa, Darien.W TO NY VIA S&A will be delayed one quarter 10-19	
168689	10-19	TO Yards and Stations	Precautionary measures in connection with arc radio installations; in connection handling and stowage of alcohol. Chasn 10/22 RB from Great Lakes 10/28 Guan 10-27 COLORADO 10-28 To Yards-Ships--Further. 11/29 M Is 12/15	

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[OVER.]

REGULATIONS: RADIO:

Number.	Date.	From or To—	Subject.	
141082	12-3	To Dept Via Nav. (RS)	Organization of Radio Service and of Communication service in general; submits comments on. AC	
142060	12-14	Clark, G.H.	Reqtrts instructions be issued that will prevent radio officers on vessel removing pemphlets, and books, and making same inaccessible for use of enlisted operators..W	
145281	1-? 1-21	Cordes, H.G. Pug.Sd	Curves of radio wave lengths; fwds print of proposed publication; asks if agrees with standard wavelengths adopted by Navy. W. Fwd Pug Sd-- No objection to publication of standard wave lengths. 1/30	
146419	1-27	At Torp Flt	Copy of rules and instructions issued to radio operators.W.	
146907	2-10	Supt Radio	Reqt test by the U.S.S.NEW YORK to show relative efficiency of 4,000 and 6,000 meter wave length.W. To--Test cannot be made until arc sets are installed on. 2/13	
147867	2/20	Dept	Copy of order regulating sending of Mobilized Naval Communication and Radio Communication	892
148958	3-3	Kettner, Hon.W.	Fwds re uest from 8 radio operators, amateurs, requesting that their stations be reopened.W Fwd Rad Ser-- 3/6 To--Have Rad Ser for action. 3/6	

1915

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REGULATIONS: RADIO.914

Number.	Date.	From or To—	Subject.
153405	4-26	Supt Radio	Suggested wave lengths for stations in New England when new arc station at Bost is put in operation.W. To--Ack receipt of. 4/30 To Bost--Gives adjustment of wave lengths.4/30
		SEE CARD #9	
153343	4-27	To Yards & Stations 8-25	Proposed plan for closer supervision and
Cavite 6/28		Newport 8/2 TO certain 8/25	counting of expenditures for radio shore
		S&A plan meets approval with	stations: fwds. W. To NEwport--8/9
		certain modifications 5-14	To S&A-- Fwds copy for comment. 4/27
		Indian Head 5-14, New Orleans 5-17	Nav Acad 5-7 NY 5-10 NY 5-10 Bost 5-8
		Norf 5-13 M.Is 5-8 T S&A--6/22	Phila 5-11 Ports 5-10 Washn 5-11 Narr Bay 5-11
		Guantanamo 5/14 Hawaii 5-13 Cavite 7/17	Pug.Sd 5-7 Kw West 5-11 Great Lakes 5-12
		To Yards--Fwds plans for allowance.6/17	Arlington 5-14 Chasn 5-13 Fwd KeyWest-6/8 RB 6/14
153876	3-18 4-23	DELAWARE At Flt	Recommends commissioned offcer be detailed to take charge of all high powered radio stations to govern handling of messages, censorship,etc.W
157214	6-10	To Yards.	Wave lengths of medium power radio arc transmitters; gives meters to be tuned to to transmit on wave lengths. W
157472	5-18 6-4	Supt Radio At Flt	Submits table showing great increase in messages handled; suggests rules and metods for preventing congection of fleet.W
160294	7-8	To Yards.	Radio installation of vessels, examination and overhaul of on arrival of vessels; instructions re. Y-W To New Orelans--Ditto. 3/11
160392	7-7	Pac Coast Radio Supt	Reqt allotment be made for his office. WK To--Allotment will be authorized.7/21
161101	7-16	At Flt	States operation of "Three Alatlantic" order greatly reduces interference; recommends be enforced when vessels are 20 miles off shore coming or going.W

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[OVER.]

Number.	Date.	From or To—	Subject.	
118340	2-17	At.Flt	Recommends instructions be issued to shore operators relative to different wave lengths that can be used by ships. W	
118339	2-17	At.Flt	Standard wave langths; recd shore operators be informed of new nomenclature.W	
120020	3/8	At Flt R	Radio drill beginning March 9th, program.	493
120693	3/23	At Flt	Copy of circular letter for operation of radio during Spring target practice	493
120710	3/22	At Flt	New instructions re use of wave length shifters, sending messages, etc.	493
121063	3-28	Supt Radio	Proposed general memo of rules governing operation of Navy Radio Stations.W	
VOID— Simply a copy of 122540-914				
122540	3-28 4-10	Supt Radio Dept 12479-708	Proposed memo governing radio communication by fleet between vessels of fleet, shore sta- etc. W Fwd Dept—rec.5/19	
123959	4-22	At Flt	Copy of regulations covering radio ~~switches~~ watches of fleet. W	
125315	5/18 5/19	Hon.Chas.S.Thomas Dept.	Requests data on regulations governing amateur stations.W To -- for Dept Sig 5-22	
130526	7-17 7-21	Genl Board Aid for Material	Genl Board criticism and suggestions on memo of Supt Radio as to proposed regulation of Government radio communications as applied to Needs in time of war, and Naval and commercial use in time of piece. W. To Aid for Material.returned; request copy of complete corres.7/24 To Aid for Material; comments; rec appointment of a Board.8/3	

N.S.E. Form 134.

REGULATIONS: RADIO 914

Number.	Date.	From or To—	Subject.
133708	9-3	Supt Radio	Circular No. 11; new form of instructions for collecting tolls for messages, etc. W
134588	9-2	M. Is 9316	Recommends card system for keeping inventory of materil be installed at all radio stations and regulations amended accordingly. W To-- Appvs plan. 10/22 M. Is submits proposed 11-18
134607	6-12 7-3 8-10 9-10	At Flt Supt Radio 4269-49 Genl Board 419 Dept	Radio communications; proposed rulings for communicating, handling messages, radio stations and establishment of an office of Communications at Navy Dept. W Fwd Dept Via Ord-- Comments on. 9/25
134870	9-19	Supt Radio	Hand book of regulations for radio service; Reqt Bu direct Washn to ship a box of by express to M. Is. W. Fwd S&A-- Req shipping be issued. 9/21
135522	9-24	Thomson, Hon. C.M.	Reqtpublications relative to rules for operating radio apparatus. W To-- Secy's sig) Gives information re obtaining. 9/29
139844	11-16	Supt Radio	Copy of circular letter re collection of tolls commertian messages. W.
139878	11-14	Supt Radio	Copy of circular letter re handling messages for Govn Depts; directs messages never be accepted with charges collect. W.
14 0965	10/19	Dept	Fwds amendment to radio telegraph regulations as issued by Canadian Government. W

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[OVER.]

REGULATIONS: RADIO. 1913

Number.	Date.	From or To—	Subject.	
100780	7/3	To Norfolk.	Requests that when reports of inspection of radio stations are forwarded, the action taken by yard on recommendations of insp. officer be indicated in forwarding endorsements.W	
/□/IL7				
101007	7-7	TO Dept	Nav. Instructions 1913; page 534 I, Art. 5251; reqt. amendment; re forwarded desc. of radio installations.K	742
101424	7-11	Dept	Messages; rules issued that cable address shall be used in sending except where forwarded as domestic telegram.W.	
101999	7-19	NY 2003-74	Fwds print of forms for recording adjustments of radio sets. W	
102249	7-24	Supt Radio	Circular to radio stations stating all movements of vessels on detached service will be sent out at 2:00 AM.W	
104134	8-16	Supt.Radio	Sending of messages and payment for same; revision, in accordance with London Convention.W	
105530	9-7	At.Flt 893	Quotes radio regulations issued.W	

N.S.E. Form 134.

REGULATIONS: RADIO: 914

Number.	Date.	From or To—	Subject.	
105711	9-7	At.Flt	Fwds copy of fleet regulations. W	
107522	10-1	Supt Radio	Circular No.29, covering multiple addresses, for counting words, correcting list of radio W	
108418	10-11	At.Flt	Copy of special regulation governing radio communication during Mediterranean Cruise. W	
108556	10-22	At.Flt	Med. Cruise; fwds copy of instruction covering radio work including schedule.W	
108883	10/23	At.Flt.	TESTs, re schedule with ARLINGTON during run to Europe.	903
109370	10-3	Dept	Fwds corres between War Dept and Supt Radio realtive to regulations issued governing wave ltngths to be used by Navy to prevent interference. W Fwd Dept endeavoring to expedite 11-10	
110396	11-13	NY 855-66	Recommends new system of wave lengths. W To---decided to establish new system; requests comments.12/27. CL TO YARDS.fwds copy.12/29.	
113773	12-29	NY 855-85	Comments on At Flt suggestions for new system wave lengths.W To---Comments.1/3.	

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1912

REGULATIONS: RADIO:

Number.	Date.	From or To—	Subject.
83397	11/23	To 23 VESSELS	Fwds Form #25, "Description of Radio Plant", and requests one copy be filled in and returned as soon as practicable.W
83661	11-25	At.Flt	Reports on wave length used by Naval Station overheard by UTAH at Chasn.W
84113	12-1	Wilson, W.S.	Reqt. copy of. W. (Enc with 84582-914)
84582	12-6	McGuffage, W.J.	Reqt. copy of. W. To Supt Radio.12/13.
85541	12-16 12-19	Chasn Sppt Radio Sta	Recommends more frequent inspection of radio stations due to complications in handling commercial messages, etc. W. Fwd Nav.comment.12/23.
			1913
88257	1/22	To Simons, M.	Fwds copies.1/22.
89223	1-27	At.Flt 179	Copy of order prohibiting use of high power radio circuits while powder is on deck. W.
91069	2/6 2/20 2/25	Pug.Sd. Supt.Radio 515-55 Dept.	Commandant 13th Naval Defense Dist.requests that he be authorized to require certain messages from Pacific Coast stations even though stations themselves are maintained by Mare Island yard; Dept states has authority.W To M.Is.Fwds copy of corres.2/27. Ret Dept.2/27.

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REGULATIONS: RADIO: 914

Number.	Date.	From or To—		Subject.
91638	3-4	NY;		Wave length adjustments; submits proposed o/p form for reports from individual ships in compliance with regulations.W. To---approves form 29842-A;disapproves form 29828-A. 3/6.
91917	3-1	At.Flt		Re use of "Cornet" in radio signals.W
93170	3-14	At.Flt.		Recommends coast stations use longer wave length. W Fwd Supt. 3/24 RB 5-2 Fwd At.Flt. 5/7 RB 5-12
93238	3-21	At.Flt	575	Submits revised drill schedule for fleet.W.
99283	6-11	NY	855-19	Recommends new classification of standard wave lengths of ships, shore and portable sets. W To---comments.6/14.
99384	6-7	Supt Radio		Circular No. 17; rules for special signalling, abbreviation, unofficial sending,etc.W
99616	6-11 6-14	NY At.Flt	855-19 1059	Comments on NY proposed system of standard wave lengths; approved.W
100377	6-25	NY		New system standard wave lengths.W To---comments.6/28. NY xswitch will be comp. early Sept.8-19
100673	6-20	At.Flt	1146	Recomments letters K and R be omitted from names of standard tunes.W Fwd Radio.7/2.

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REGULATIONS: RADIO 1912

Number.	Date.	From or To—	Subject.	
81171	10-25	At.Flt	Fwds copy of issued to fleet. W.	
81473	10-28	Miller, R.F.	Reqt. copy. W. (Enc with 84582-914)	
82254	11-8	Culler, J.A. (Miami University)	Reqt. copy.W To---Fwds.11/11.	
82517	11-12	Troth, R.	Reqt. copy/ MW. To---Fwds.11/14.	
82599	11-12	Miller, R.F.	Reqt. copy of. W. (Enc with 84592-914)	
82664	11-14	Striegel, E.H.	Reqt. copy. W (Enc with 84592-914)	
82667	11/14	To Mayer, J.R.	Fwds copy.W	
82667	11-10	Texas Co.	Reqt. copy.W.	
82808	11-16	Nat.Elec.Sig.Co.	Reqt. copy.W. (Enc with 84582-914)	
82884	11-15	Flint, C.O.	Reqt.copy. W. (Enc with 84582-914)	

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REGULATIONS: RADIO: 914

Number.	Date.	From or To—	Subject.
80619		SEE CARD NO. 3.	M.Is. covering, and stations under.11-15 Hawaii 11-8 To NY.Asks if have motor gen.suitable for NEW JERSEY.-- To NEW.JERSEY, changes should be considered a request for repairs. 11/23. Pug.Sd.11-19 Nav.Acad 11-25 To M.Is.approves changes made at Pac. Coast stations.11/25. Chasn 11-26 for stations under.11-26 NY motor generator referred to available for NEW JERSEY.W. 11-26 PADUCAH 11-14 To Chas.Noted.11/29.To N.Acad.appr.no change.11/29.To NEW JERSEY, NY and S&A. Reqst shipment of motor generator.11/29. Pac.Flt. Reserve.11-25 To Pug.Sd.via S&A. Leyden jars and racks added to allowances of 12 ships.11/30. To Pac.Res.Flt.Reqst est.on OREGON.12/2. NY for ships under 12-4 PREBLE 11-29 STEWART 12-2 WHIPPLE 12-3 To ALABAMA via Phila.Reqst est for alterations.12/10. To Pac/Torp.Flo.desires changes of radio sets of TBDS be held in abeyance. Desires M.Is.Inspect and submit estimates.12/10. PAUL JONES 12-5 Pac.Torp.Flo.12/12. Res.Torp.Group, M.Is.12/13.reqst copy. To Res.Torp.Group.Fwds copy of circular letter.Instructions.12/23. To Pac.Torp Flo (2)Instructions re alterations or repairs.12/23. TO MISS.Recn.98.Asks as to necessity for material.12/24. M.Is for TBDS 12-24 To M.Is.Instructions re WHIPPLE, 1/4 and one other TBD.1/11. Newpt Torp.Sta.2/3.

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REGULATIONS: WIRELESS: 1912

Number.	Date.	From or To—	Subject.
62983	3/7	To At.Torp.Flt.	Requests Equipment Form #123 be filled in for TBDS.(Description of W.T.Plant). W
69406	5-29	C&L	Fwds letter to Wireless Inspector, ship, NY directing him to follow Austin rule for operating distance. W
44272		SEE CARD #1	To CULGOA:Calls attention to par.6th. of 74144-876 of July 29th.8/8. To Cavite.letter of 7/28/11 has been superseded.6/9.
75645	8/13	To Washn.	Publications for Coast Artillery School; directs fwd certain.L
78454	9-20	At.Flt	Recommends regulations covering naval shore stations be changed to call for standard calling wave length of 1250 meters. W To--comment 9/23
78585	9-11	Atlantic Flt	Fwds copy of radio instructions to submit form for recording and sending messages.W.
79312	9-28	At.Flt 1281	For shore stations; recommends instructions be issued for relaying messages thru nearest station instead of trying to send direct.W Fwd Bost, Newpt,NY,Phila for comment, 10/14. R.B 12-14 Fwd Supt Radio.12/14.
80054	10-9	NY 855-74	Reqt. instructions relative to standard wave length to be used for calling, communicating and distress signals for Navy Sta. W To---Requirements re NEW HAMPSHIRE.10/15.

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REGULATIONS: RADIO: 914

Number.	Date.	From or To—	Subject.
✓ 80562	10-14	At.Flt	Recommends change in call letters owing to close resemblance between Radio position, general call and distress signals. W
✓ 80581	10-17	C&L Radio Inspector, New Orleans	Reqt. copy of Navy regulations. W To---Fwds Spe.Order No.98.10/21.
✓ 80655	10-19	Stewart, C.H.	Reqt. copy of Navy regulations.W To---Not yet issued.10/21.
✓ 80619	10/21	TO STATIONS: FLEETS: VESSELS.	Changes in radio stations preparatory to handling commercial work; regulations governing. W NY reqt.copy.10-24 Nav.Acad.10-24 To NY.Fwds copies of letter of Oct.21st. 10/26. ALABAMA 10-30 MISSOURI 10-29 Pensacola.10-29 Pac.Reserve. Flt / Lo-26 EAGLE 10-30 WEST VIRGINIA: 10-29 Norf 10-30 ARETHUSA Bost (Light Ship 85) 10-8 NEW ORLEANS. 10-31 Pac.Torp.Flo 10-29
SEE CARD NO. 4.			
	11/1	To Pensacola	Bu notes can only use wave lengths of 1000, 1200 and 1400 meters; will arr to have station inspected.W
	11-4	TO Norf	Approves installation separate aerial. NORTH CAROLINA 11-4 Newport 11-5 Phila 11-4 Boston (Cape Cod, Light Vessel #85) 11-4 Washn 11-6
	11/7	To Newpt,	Bu will supply wave meter. Directs communicate with Wireless Spe.App.Co.re repairs to 1-P-76 receiving set.W
	11/8	To Newpt.NY,S&A.	Recst shipment Donitz wave meter to Newpt.11/8. To New Orleans & N.Acad. Notes.11/8. RB 11-12 Guantanamo Ret Guantanamo.11/12. RB 11-29 To Washn & Bost. Changes appd.11/11. Cape Henlopen.11/8. NY.11/11. To Phila.Note Cape Henlopen.11/13.
	11/13	To Phila,NY,S&A	Shipment of Leyden jars; changes at Phila. appd.1W. Beaufort.11-13 BLRB11-20
	11/16	To Norf.	Approves estimate for Beaufort.11/16.Ports 11-16 Colon & Porto Bello 11-11 To Colon. approves rec.11/21. NEW JERSEY11-21

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Number.	Date.	From or To—	Subject.
45251	7/28	NY 855-38	Covering calling wave lengths; submits prints of aerial inductance covering short length wave, etc.W To---Appd. Directs number be made for installation on vessels; directs furnish other yards with prints.8/11.
47186	8/24	NY 855-41	Standard calling wave length; reports on status of, of vessles at Yd.W To---Assignment of wireless sets. Instructions.8/30. TO NY assigns Telefunken Set on NSA reqn.189.9/13
48190	9/8	TO Navgn	Transmits information for Hydrographic Office on recent rules issued to W.T.Stations in connection with calling wave lengths, messages for merchant ships, etc.W.
50581	10/9	To YARDS & STATIONS.	Forwards Hydrographic Office reprint on naval W.T.stations and their services to shipping, and table of distances. C Reqt.copies for War College. 10/12 To Narr.Bay.Fwds table of distances/ 10/16.
50843	10/5	Pac.Flt	Standard calling wave length; fwds reports from various vessels on their wireless installation; states have given orders to make reqn. for wavemeters. W To---Asks if any improvement in general efficiency as result of change of wave length to 600 meters.10/14. Pacific Fleet; Fwds reports from cruisers.11/12 MARYLAND 11/13. To--Gives object in estab. new stand. length.12/5.
52452	10/26	Morton, R.A.	Reqt. data re. W To---Fwds data.11/2.

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REGULATIONS: WIRELESS: 914

Number.	Date.	From or To—	Subject.	
52902	11/3	C&L	Ack. receipt of pilot chart and regulations and reqt. to be advised of any changes made.W	
53257	11/4	BUFFALO	Requests complete Telefunken 2 kw set to replace one in use, in order to comply with.W	144-6
55112	12/4	To Washn	"Quarterly Report of Messages": Fwds 200 copies for insertion in wireless log books. W	
60040	1/31	To Mare Is.& Puget Sd W	"Recommend changes Eq.Form 123, Description Wireless Plant." Expedite. To YARDS, Requests rec as to revision.2/1 Chasn. 2-2 BLRB 2-9 - Newport; Boston 2-6 Fwd NY for comment and rec.2/8 Key West 2-5 Norf/2-9 Pug.Sd.2-8 NY 2-10 2-17 Washn. Phila 2-20 Ports: 2-21 M.Is 2-24 Colon 2-23	
62279	2/28	To Dept.	Rec.substitution of "radio" for "wireless", and "radiogram" for "wireless telegram" or "wireless message."W	
62525	2-29	Dept 12 479-500	Authorizes above. W	
62567	3-1	Dept G.O. #164	Orders use of "Radio" in lieu of "Wireless" and changes names of Cape Elizabeth to Portland, Point Loma to San Diego, Table Bluff to Eureka, Unalaska to Dutch Harbor. W (W) to Mare Is. and Ports. advising of change in names.3/2.	

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FILE No.	From or To— (Dated)	Subject.	
35226 3/24	Colon	PORTO BELLO: reqt copy of regulations for government of stations for use at:	831
40422 4/24	Dept	Special order 98; regulations governing control of shore W.T. Stations.W	
	Circular to Yds	Fwds form 123 "Description of Wireless Plant" and directs all changes be entered therein as made.W.	
41045 6/13	To Yards & Stations	Whenever W.T.set is installed in any vessel of Navy. Form 123 to be filled out and copy forwarded to Bureau. W To NY & Norf-Invites attention to.11/29.	
41045 6/17	Norfolk	Reqt "Description of Wireless Plant" W Ret -- two copies fwd.6/21.	
44261 7/22	TO M.Is T	Gives wave length to be used for ship and shore stations. W	
44272 7/25	To Fleets & Ships & Yards.	Establishment of standard calling wave lengths for ships of 600 meters and for shore stations of 1,000 meters. Instructions. W. BL RB 7-31- 7-4. REID-7/29. Fwd NY.8/4. To Bost.Fwds prints reqstd 31st ult.8/4. To N.Acad.Transformer,BAILEY,directs change from direct coupled.1/9	CARD 3
44861 7/24	M.Is 631	Reports instructions issued re adjusting of Alaskan Stations.W.	

1914

Number.	Date.	From or To—	Subject.	
137321	10/19	Dept	Fwds report by Lt. S. C. Hooper on radio telegraphy used by the British Navy; aeroplanes, etc. Use of tactical signals, code, etc; Instruments used on ships. Confidential and secret	787
168639	7-26-14	Hooper, S.C.	Reports on Alexanderson high frequency genereator mfg by G.E. Co. and generating plants at Sayville, Tuckerton and Cooper Hewitt receiver.	882-3

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Number.	Date.	From or To—	Subject.	

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1017

Number.	Date.	From or To—	Subject.	
229016	5-17	G. H. Clark	Fwds report on test with buried wires, as aerials, conducted by him at his house.	875
238455	7-12	Geo. H. Clark	Radio compass; suggested improvements using multiple turning receiving coils.	919
238440	none	Geo. H. Clark	pRelimiary report on grounded antenna at transmitter.	875
238439	none	Geo. H. Clark	Fwds reports of experiments of under water radio conducted at New London in 1916.	875
253580	9/29	G H Clark	Method of eliminating atmospheric disturbances in radio telegraph receivers developed by Marconi Co, by using buried antenna loops, etc.	
255757	10/16	G H Clark	Gives substance of a conference with Mr Vanderwoude, formerly employed by the German Telefunken Co on radio apparatus on German Submarines, shore sta, etc.	652
259921	11-7	To G.H.Clark, Belmar	Quotes telegram signed by L.J.Lesh in connection with assistance in securing blueprints. W	918
261078	11-15	G. H. Clark	Reports test of Marconi balanced engine system of static reducing at Belmar Radio Station. W	908
266019	12-3	Geo H. Clark	Recommends continuation of experiments on Marconi static eliminator at some other station than Belmar; recommends Miami; also writes relative to the G E Co's amplifier. W	908
N 538	12-24	Inspr Cincinnati	James Clark Jr Elec Co reports on status of Machine tools. S	629

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CLARK'S REPORTS: RADIO.

Number.	Date.	From or To—	Subject.	
278285	1-28	G. H. Clark	Fwds weekly report of progress on anti-static devices - W	908
308344	5-14	G H Clark	Recommends inexpensive buzzer outfit on board chasers for testing out circuits	1-Z-6
308334	5-14	G H Clark	Reprots on service value of various tubes of 1/2 KW panel sets installed on subchasers	1-Z-6
308345	5-14 5-17	G H Clark New London Dist Base	Reprots on necessity for an anti-vibration holder for detector--submits recommendation for design	1-Z-6
308347	5-14	G H Clark	Use of small radio receiver on submarine chasers for telegraph communication-submits reprot on experiments	1-Z-6
308346	5-14	G H Clark	Wiring for radio telephone sets-submits report on inspevtion of and submits suggestions	1-Z-6
313106	6-4	G H Clark	Report on preliminary expiriments on methods for reducing interference for quenched gap radio telegraph transmitters	908
325685	10/24/17	G H Clarke	Sub report in conn w duty performed in establishing Transatlatic receiving base Belmar	920
334382	8/3	G H Clark	Reports on inspection radio receiving set	562-6

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1916

Number.	Date.	From or To—	Subject.	
186608	4/29	G. H. Clark	Mica condensers; recommends test at Arlington; furnished by the Wireless Spec App Co, developed by William Dublier	882-1
1866 07	4/30	G. H. Clark	Direction finder; gives description of new form developed by the Bellini-Tosi Co in France	898
186650	4/29	Clark, G. H.	Telegraphones; prices submitted by the Telegraphone Co; recommends purchase of instrument for test	909
188090	5/12	Clark, G. H.	Memo relative to radio for submarines	907
188284	5/16	Clark, G. H.	States receivers returned to Washn Yd for repairs generally have vital part of apparatus removed making them scrap material only; request instructions prohibiting any change in or removal of any part of	898
189193	none	Geo. H. Clark (Memo)	Analysis of bids on schedule 9707, antennae wire for high powered stations	906
190256	6/8	Clark, G. H.	Adverse report on porcelain insulators submitted by Ohio Insulator Co	911
196266	8/10	G. H. Clark	Atl Com Co and Nat Elec Signalling Co suit; heterodyne; sums up possible available testimony and list of witnesses	896-1

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CLARK'S REPORTS: RADIO

Number.	Date.	From or To—	Subject.	
199812	9-6	Geo. H. Clark.	500 cycle generators for; describes those used by Signal Corps and those made by the H-C Co. DAW.	918
204412	11/2	Clark	Siaconsett; reports breakdown station.	802
204984	10/24	Clark, Geo . H.	Arc radio transmitter (hysteresis) key developed by Alexander of the GE Co; reports on	898
205214	11/7	Geo. H. Clark	Development of new type radio receiver by enlisted personnel; recommends Gunner Eaton be allowed to take up patent	898
209240	12/17	Clark, G. H.	Reports on test of buried wire type of antenna at station of J. H. Rodgers, Hyattsville, Md	875
210503	?	Clark, GH	Experiments for making use of break key for listening in while sending to determine if receiving operator is getting message.	898 W
210442	1-4	Clark, GH	Suggest economy in use of paper.	600-1
214426		Clark, G.H.	Domestic Engineering Co; gasoline engine and generators for radio equipment, lighthouses, fog horn warning sets, etc; re difficulty in locating Washn representatives, etc	882-3
224848	4-25	G. H. Clark	Reports on inspection of radio set for dirigible at Curtis Aeroplane CO's works	918

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1915

Number.	Date.	From or To—	Subject.	
167251	9/26	George H. Clark	Antennae for 30 kw arc sets; recommends test of insulation of	875
166856	9/26	Clark, G. H.	Co-ordination scheme; reqt additional of new class, No. 62; wire conductors	876
167198	9/26	G. H. Clark	Submits estimate for repairing Bellini-Tosi direction finder	898
169144	10-19	G.H. Clark	Wavemeters - methods of calibrating	893-4
169143	10-19	G.H. Clark	Arc wave changer - reports on test of	905
169575	10/25	Clark, G. H.	Reports on test of combined detector submitted by Wireless Spec Co	898
170202	11/3	Clark, G. H.	Reportson operation of new type arc control key devised by Dr. L Cohen	898
170018	11/1	Clark, G. H.	Meme re variometer wave changer for arcs	9 05
171157	8/2	Clark, G. H.	Redommends changes in design of combined detector and amplifier in future contracts	898
171158	8/2	Clark, G. H.	Reports on test of Ultra audion returned from Chasn	898 171158
173310	12/4	Clark, G. H.	Reports inspection of audion ultra audion cont 184	898
174131	12/9	Clark, G. H.	High powered stations; suggests change in specns to call for additional insulators	911
		1916		
175656	1/3	Clark, G. H.	Portable radio sets submitted for test under schedule 8876; submits report on	897
178846	2/10	Clark, G. H.	Reports on audion bulbs turned in by New Orleans	898

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CLARK'S REPORTS: RADIO.

Number.	Date.	From or To—	Subject.	
180854	1/30	Clark, G. H.	Torpedo notes on Hammond radio control of	791
180867	9/23	Clark, G. H.	Radio aides; gives history of education, etc, of those now employed and recommends sliding scale of promotions; encloses statement from Western Elec Co as to pay of their technical employees	635
182804	3/?	Clark, Geo. H.	Submits estimate on present key and estimate for key suitable for station; Darien	851
183343	3/31	Washn (G. H. Clark)	Spark wave changing switches; G. H. Clark submits proposed improvements and submits print	900
185022	4/15	Clark, G. H.	Reports overhearing curious transmitter sending variations of letter "V"; suggests secret signals; recommends stricter censorship over transmitting key during test as well as regular work	787
185409	?	Clark, G. H.	Recommends employment of H. B. Meissmer radio aide at Pensacola	635-3
186357	4/28	Clark, G. H.	Method of eliminating static disturbances in arc and spark receiving and preventing interference when sending with spark sets	908
186374	4/28	Clark, G. H.	Radio towers; suggests method of telephone communication between men working on towers and force on ground	890
186326	4/29	Clark, G. H.	Chauffee arc transmitter; report on	898
186498	4/29	Clark, G. H.	Recommends that sample No. 6 head telephone be returned to Wireless Imp Co	898

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1915

Number.	Date.	From or To—	Subject.	
142388	12/15	Tuckerton	Fwds photos made by G. H. Clark for use in his report	891
142524	12/17	Tuckerton	Fwds photos from Clark	891
143894	1/5	Clark, G. H.	Ultra Audion detector cabinets; suggestions for wiring of	898
144646	1/15	Clark, G. H. Co.	Reports inspection of apparatus made by DeForrest RT&TCo 1 and 2 kw transmitting sets, 2 00 watt transmitting telephone set; recommends test of a complete 2 kw set; also that test be made of oscillation portable sets	876
149116	3/8	Clark, G. H. T	Washington Yard design arc relay key; Fuller recommends certain changes in	898
150655	3/19	Clark, G. H.	Marconi high power station at Bolinas, Cal; description of	891
150652	3/19	Clark, G. H.	Federal Co south City station; report oninspection	891
150651	3/19	Clark, G. H.	Interference by South City station with Arlington, San Diego signals; states change on 100 meters by either station will remedy	908
150653	3/20	Clark, G. H.	5 kw arc set mfg by Fed Tel Co and installed on SS Ventura; reports on construction	876
150654	3/20	Clark, G. H.	New type sending key for arc control, designed by Fed Tel Co for ships use	898
150650	3/19	Clark, G. H.	Reports on test of Cohen type A short wave receiver	898
150635	3/25	Clark, G. H.	Ultra audion and amplifier, Radio T&T Co; recommendschanges and improvements	898

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CLARK'S REPORTS: RADIO.

Number.	Date.	From or To—	Subject.	
154469	5/9	Clark, G. H.	Choppers supplied with 30 kw arc set from Fed Co not required for high powered set; recommends be surveyed and issued to Experimental laboratories	876
156279	5/27	Clark, G. H.	Cohen receiver: M Is reports unfavorable on failure to eliminate interference; recommends At Flt and other yards make reports on	898
156367	6/1	Clark, G. H.	Reports on test of antennae on roof of SW&N bldg; recommends erection of 2 60' masts	615-26
161514	7/23	G. H. Clark	Reports on installation of arc at Chasn	807
161964	7/28	G. H. Clark	Reports on inspecn Chasn	807
162114	7/27	G. H. Clark	Recommendations relatige to change of 12 volt ultra audion detector stands to 6 volt type	898
162367	7/29	G. H. Clark	Reports on test of De Forest audion, type ~~RJ~~ RJ5, storage battery	898
164123	8/19	Clark, G. H.	Portable mast invented by J. Raes; reports inspection of; worth investigating	890
165631	9-9	Clark	Screw anchor for radio field sets; Col John Firth	897-1
165921	9-13	Clark, GH	Reports on life test audion bulbs	898
166216	9-13	Clark, GH	Portable field radio sets - suggests spec. for motor	897-1
166316	6-1	Clark, G.H.	Wave meters - recomds. against certain variable coupling as supplied by R&C	893-4
166317	6-8	Clark, G.H.	Schedule 6709- head tel. sets- reports on	898

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[OVER.]

1914

Number.	Date.	From or To—	Subject.	
114841	1/11	Clark, G. H.	Heterodyne receiver, fwds sketch showing buzzer type developed by J. E. Schell, Chief Elec; recommends be ordered to Wash. to perfect	898
116860	2/4	Clark, G. H.	GEORGIA; reports on radio installation	215-6
117016	2/4	Clark, G. H.	NEW HAMPSHIRE ; reports on, recommends Lowenstein's gap be sent to Wash. Yd. for experimental use	312-6
117017	2/4	Clark, G. H.	Gives brief report on Telefunken, N.E.Sig., Marconi and Lowenstein quench spark gaps; recommends employment of Mr. Lowenstein	898
117666	2/12	Clark, G. H.	Recommends wire for antennae of portable be braided	897
118607	2/19	Clark, G. H.	Suggestions for use braided antennae wire for aux aerials; fwds copy of specns used by Signal Corps	875
118605	2/18	Clark, G. H.	Regt Lowenstein break key be shipped to Wash. Yd. for test purposes	898
123350	4/25	Clark, G. H.	Fwds translation of an article by Rein on an arc generator and means for producing a musical note	882-3
123739	4/27	Clark, G. H.	Navy type wave changed Mark II; reports on broad tuning of; recommends changes to get high frequency resistance in transmitting inductances	905
125888	5/18	Clark, G. H.	Reports on test of portable radio sets purchased under schedule 5639, contract 19575; sets submitted by National Elec Sup Co, Marconi Co and Wireless Improvement Co	897

N.S.E. Form 134.

CLARK'S REPORTS.

Number.	Date.	From or To—	Subject.	
126877	6/9	To NY	Combined wave changer and oscillation transformer; fwds sketch of G. H. Clark's design for criticism	905
128433	5/28	Clark, G. H.	Dubilier apparatus; reports on; photographs, prints, etc	876
128891	6/24	Clark, G. H.	Reports on test of hand and relay keys submitted under schedule 6709	898
131503	7/28	Clark, G. H.	Head telephones submitted by Wireless Imp Co; reports on test of	898
131504	8/3	Clark, G. H.	Audion; compilation of data on uses of	898
131518	8/4	Clark, G. H.	Patents; requests ruling on expert aids taking out	896
137780	10/22	Clark, G. H.	Horizontal antennae at low height; recommends conducting tests; Mr. Mayer offers services of himself and force; has already been tested successfully in Germany	875
140272	11/21	Clark, G. W.	Reports on experimental antennae at Tuckerton; recommends by construct one on high ground near station; present test arrgt not satis	875
142060	12-14	Clark, GH	Reqts instructions be issued that will prevent radio officers on vessel removing pamphlets from office	914
142059	12-15	Clark, GH	Bellini-Tosi direction finder; prelim report on instrument to be used at Cape Cod	898
142260	12-16	Clark	Fwds report from Mr. Clark on radio set; in regard to tuning of W	146-6

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[OVER.]

1913

Number.	Date.	From or To—	Subject.	
94920	4/14	Clark, G.H.	Reports on interference test between SALEM Norfolk and Wash to test long distance apparatus at ARLINGTON.	841
97693	5/19	do	ARLINGTON: Fwds data covering all radio tests carried on, on voyage of SALEM from Phila. to Gibraltar and return.	841
97692	5/15	do	ARLINGTON: reports on the radio tests on the SALEM and at Gibraltar.	841
97718	5/20	Clark G.H.	Recommends ~~xxxxxx~~ employment of H.B.Debroot	635--1
97719	5/20	Clark G.H.	Recommends purchase of GALENIA chrystals for use in detectors, Signal corps of ARMY recently purchased large quantity.	898
99223	6/10	Clark, G.H.	BOSTON, reports on adjustment for best wave length for communication with ARLINGTON.	843
99094	6;8	Clark, G.H.	SALEM tests, calls attention to inaccurate statement appearing in Scientific American signed by S.N.Kitner relative to the success of Federal Co. was due to the use of Fessenden receiving apparatus.	841
99222	6/11	Clark, G.H.	ARLINGTON: reports loss of a condenser during Arlington-Salem test.	841

N.S.E. Form 134.

CLARK's reports.

Number.	Date.	From or To—	Subject.	
99477	6/14	Clark, G.H.	Amended specfs forwarded to-day, recommends including in next proposal.	876
99704	6/17	Clark, G.H.	Are preparing details of standard specfs, will attend MARCONI coupling patent suit, suggests orders for himself and Hill to Sayville.	876
100006	6/21	do	Considers section 3 of specfs, covering portables satis. Patent suit will require one week.	876
101044	7-7	Clark, G.H.	Maroni vs. Fessenden patent infringement suit; fwds summary of closing arguments.	896-1
102853	7/29	do	Test and experimental work, reqt auth. to employ outside photographer to make necessary photographs, etc.	903
108890	10/10	Clark	PENSACOLA: reports on adjustment of	827
		1914		
114220	1/6	Clark, G.H.	GEORGIA: impossible to operate set on account of deept grooves.	215--6
114739	1/9	Clark, G.H.	New navy type wave changer switch, reports on installation on UTAH, GEORGIA, DELAWARE, WYOMING.	900

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[OVER.]

CLARK's reports.

1911,1912,-- 1913

Number.	Date.	From or To—	Subject.	
32967	11/16/09	Clark,Geo.H.	Generating sets, reports on test of copper coated Leyden Jars.	882--1
33226	3/8	Clark	NORFOLK: submits report on re-location	824
38306	5/9	Clark	Tests, reqt auth to adjust antennea of N.DAKOTA, states S.Carolina will send to-night, 1000 meters	903
38353	4/25	Clark,G.H.	RECEIVING & SENDING, reports on test of WIRELESS SPEC. APP. Co. detector, pyrite crystal with flexible contact.	898
44232	7/21	Clark G.H	PORTS. ready for final adjustment.	832
44668	7/27	Clark	BOSTON: apparatus not yet rec'd	843
46827	8/21	Clark	WHEELING: will adjust aerial, asks if shall wait arrival of apparatus from NY.	478--6
59791	1/11	Clark	KEY WEST: report on Inspection	817
61410	11/6	Clark	APPARATUS, commercial sets, recommends adapting for Navy Purposes.	876
61409	1/6	Clark	TUNE SHIFTER, fwds report on	898
61408	1/6	Clark	TEST, reports results of readin made on board SS Alliance enrout NY to Panama.	903
64191	3/9	Clark	TESTS, fwds report on test of TRANSMITTER wave lengths from MARYLAND to COLON	903

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CLARK's reports.

Number.	Date.	From or To—	Subject.	
87553	12/31	Clark.	ARLINGTON: reports on signals received from Federal Tel. Co. arc generator at, and 500 cycle spark set same station.	841
86764	1/2	C.O.ARKANSAS Clark.	Report on signals from ARLINGTON and experimental apparatus Federal Telegraph Co.	
87675	11/7	Clark	Reports on Wireless Improvement Co's 1-4 Kw panel radio set.	876
87464	1/12	Clark	Makes report on installation on ARKANSAS, Key West, sites for Pacific Coast station, H.P. station Panama, Beaufort, and recommends new set for PRAIRIE.	876
88758	10/28/12	Clark, G.H.	Murdock condenser, reports on breaking down test, states practically non-inflammable.	882--1
89580	2/6	Clark, G.H.	WASHINGTON: recommendations as to status of after ARLINGTON is placed in commission.	840
89936	2/6	Clark, G.H.	Recommends stations be supplied with Cheap receiving sets for listening purposes.	898
94044	4/3	Clark G.H.	ARLINGTON: summerizes radio tests between & Salem.	841

NB—0120

[OVER.]

Resistance boxes.

FILE No.		From or To— (Dated)	Subject.	
34017	3/17	Nav. Academy	STRINGHAM & BAILEY: no knowledge of dial resistance boxes being forwarded from Bu. Standards	418--6
35643	4/7	Nav. Academy	BAILEY & STRINGHAM: non on hand	124--6
35724	4/8	To QUEEN & CO.	UNAKASKA: reqt price on dial resistance boxes	845
35723	4/7	To Nav. Acad.	BAILEY & STRINGHAM: asks if any more do	124--6
35901	4/10	Queen & Co.	UNALASKA: quotes price & submits description	845

1912
1913

NB--0120

RHEOSTATS. W.T.

L

Number.	Date.	From or To—	Subject.	
37830	5/3	To NY	APPARATUS: Slaby arco: asks if any instock	876
38128	5/6	NY	APPARATUS: states have only one SLABY ARCO rheostat old type, ready for issue.	876

1912
1913

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

ROOMS RADIO 1922

Number.	Date.	From or To—	Subject.	
604497	1/13	C&R	Cpy of letter to Pug. Sd. giving instrns cov door for radio compass houses on destroyers listed. W.	
609931	2/15	C&R	Copy of letter to Yards rel to ventilation of sound proof booths in radio rooms on battleships. W.	
612582	3/2	Pug. Sd.	Subm estimates cov provision of emergency radio room on NEW MEXICO & IDAHO- MISSISSIPPI. W. Pug. Sd. - Copy action to C&R 3/2 W. To Pug Snd Estimates a pproved cc Pug Snd- C&R CO's MISSISSIPPI- NEW MEXICO - IDAHO 4/6	
613622	3/12 3/13	Pug. Sd. C&R	Instln of emergency radio rooms on NEW MEXICO MISSISSIPPI & IDAHO- submits estimates. W. Fwd Dept via Operns 3/23 RB 3/29 W Fwds C&R cc Pug Snd- Pacific- CO's NEW MEXICO MISSISSIPPI IDAHO 4/6 C&R Request action 4/6 W. C&R- Copy action to Pug. Sd. 4/17 W.	

4—3381

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N. Eng. 134

ROOMS RADIO 1922

Number.	Date.	From or To—	Subject.	
647788	9/19 10/26	CO FLORIDA Atl.Fleet	Fwds obsolete sketch rel to eliminating sound proof booths in radio rooms of battleships. W.	

4—5881

[OVER.]

Number.	Date.	From or To—	Subject.	
544982	2/4	Chasn.	Request disposition of radio booths on hand. W.	
			Chasn. Request action 2/18 W. fwd S&A 2-28	
54			Chasn- Rqst action. 2/28 W	
551278	3/4	Pacf. Fleet	Instln of addtl relay in booths for protecting operators ears- recommendations cov. W.	
555230	3/28	Pug. Sd.	Copy of letter to C&R rqsting authority to omit sound proof booths in both engine rooms of Destroyers of Div. 22,- 29. W.	
563346	5/24	To C&R	Quotes comments of C-I-C from atlantic fleet- on annual report W	493
566432	5/27	C&R	Copy of letter to Yards in conn with ventilation of radio sound proof booths on various vessels ; work on MISSISSIPPI cancelled. W.	
563346	6;14	C&R	In connection with ventilation of main radio rooms on board battleships.	493
572720	6/30	C&R	Copy of letter to Yards rel to ventillation of sound proof radio booths. W.	
593647	10;31	C&R	Copy of letter to yards authorizing work listed in connection with ventilation of main radio rooms on ARIZONA FLORIDA DELAWARE and NORTH DAKOTA. W	
	Fwd C&R 12/17			
	C&R- Copy action to Pug. Sd. 12/20 W			
	Pug. Sd- Copy action to C&R 12/1 6 W		Puf. Sd. Subm estimates. 12/9 W.	
OVER				

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N. Eng. 134

ROOMS RADIO

1921

Number.	Date.	From or To—	Subject.	
601038	12/13	Pug Sd	Radio Room on destroyers- request instrns 919 cov W	
602084	12/23	MI	Arrangement plan of apparatus in auxiliary radio room on destroyers shown in compass bulletin 3-B- ask if supersedes previous Pub. To ER- Gives Inform 12/31	
593647	FROM	OVER	C&R- CO PENNSYLVANIA request install blower in radio rooms- request instrns. W Pa- 6 Fwd C&R 3/3 C&R- Copy action to Pug.Sd. 3/7 D. Pug.Sd. Ventillation data for min radio room on board PENNSYLVANIA. Fwds prints.4/21 W 6	

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[OVER.]

ROOMS RADIO

Number.	Date.	From or To—	Subject.	
460903	FROM CARD 9		C&R- Structural deatils of battery locker giving location for WYOMING. Fwds prints W. fwd C'R 4/13 Aug.5d.- Fwds print of battery locker. 4/9 W To C&R. rel instal 8/11	
488747	4/16	Mare Island	Recommended changes in fittings for sound proof booth.	W.
501497 OVER	6/24 To Pacific Fleet- alterations will provide ventilation 7/1 To Atlantic Fleet fwds copy of action 7/2	C R	Recommends universal ventilation terminals be used in conn with improvement in ventilation of radio sound proof booths on DELAWARE and subsequent vessels. W.	
497028	6-26	To S&A error see 876	To C&R- as outlined sat is to Bur 6-29 Payment of $30.00 filing fees on patent ~~To Pac Fleet.~~	
466585	6-25	To C&R	Recommendations with comments on work rec by Fleet. W	876

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N.S.E. Form 134.

ROOMS RADIO

Number.	Date.	From or To—	Subject.	
500860	6-28	To Phila-NYS-Union-Bath	Proposed relocation of emergency storage battery: Reqst detld inform CC C&R	496
501497	FROM OVER		C&R- Submm comments. 7/6 W.	
500860	6/28	To Phila-NYS Union Bath Inspr Cramps 7/8 W	Proposed relocation of emergency storage battery, Reqst detld inform CC C&R	496
509070	7/28	Pug.Sd.c	Fittings for sound proof booth - request information as to dimensions of. W. To Puget Sd- reqst info rel dimensions 8-12	
531149	11/30	To Oprns via C&R	Removal of beths from main radio room on destroyers. Recs. W	496

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[OVER.]

ROOMS RADIO

Number.	Date.	From or To—	Subject.	
457267	11/4	Mare Island	Auxiliary radio room on Destroyers 301-341 class; fwds prints suggesting sound proof booth be installed. W. To MI (T) 11/12 To MI- not practical to make installn for rasons given. 11/15	
460903 TO CARD 10	11/22 12/1 Fwd Operations. 12-24 RB 1/12 Pug.Sd. Structural details of battery locker giving location for WYOMING-Fwds prints. 3/19 - X 882-1 & Batteries.	Atlantic Fleet Dept.	Subm suggestio s covering naming of radio rooms on Battleships. W. o Pug Sd. 1-19 fwd C&R 1/27 RB 7/22 W Pug Sd-T-asks where batteries are-1:28 To Puget Sound (T) 1/30/20 To Comt Puget Sd 3/29	
461555	12/4	C&R	Outlet of voice tube from main radio to auxiliary radio room will be changed to bridge on Destroyers - L.	496
462445	12/9	C&R	Copy of circular letter regarding emergency cabin, with voice tube from main radio room to auxiliary radio room - L.	Q-4
462472	12-12	To I.M. Ny	Radio Booths for ARIZONA-PENN-TENN and NEW MEXICO. Advise as to the exact number drawn from store for vessels listed. W N.Y. 12/17	
472354	1/29	To Ports	Alterations in auxiliary radio rooms on DESTROYERS. Reqsts plans. W.	496

N.S.E. Form 134.
ROOMS: RADIO

Number.	Date.	From or To—	Subject.	
474563	2/6	Shipping Board	Fwds copy of letter from Radio Corpn of American station battery rooms are not properly protected from water W	771-2
477205	2/19	Dept 573-6 1-CB-6	Communication office on Board TENNESSEE Fwds correspondence in conn with authorizing such instln. Fwd C&R 3/8 To Im NY 3/8 C&R- Copy of action to N.Y. 3/10 N.Y. 4/9. L	W.
479122	2/26	Pug.Sd.	Request print showing arrangement of radio compass and emergency transmitter in auxiliary radio room on Destroyers, be furnished. To Cdt Puget Sd 3/5	W.
484861	3/31	Pug.Sd. (T)	Drawings RE-7-F-159 - request authority to make changes in, in order to provide acess booth entrance fittings and wave meter To Puget Sd (T) 4/1	W.

ROOMS: RADIO

Number.	Date.	From or To—	Subject.	
423264	5;23	CO DEL	Battle Ship Force 3 -location of radio room on battle ship now with fleet, sub report cov.	W
426089	6/28	Fwd Dept via Ord and Operations.	Relocation of after 4" gun., Radio Telegraph. W. Destroyers 22 to 74:	496
428764	6/19 6/25	NO Y&D	Bu type plan number 1 for radio compass house, fwds prints with comments as to correction of Grand Isle and Pass A Loutre compass stations be erected in accordance with station plans. W. Fwd Y&D 6/30	919
438576	8;7	Norf	Arrangement of sound proof booth, fwd prints. W	
441949	8/26	Atlantic Fleet	Proposed installation of fire control in radio rooms Req info covering W L	647
455039	10/28	To Phila;	Desires standard plans be adhered to, rel to main radio room on destroyers and no charg units be installed in aux radio room for charg vac tube batteries. W	898

924

Number.	Date.	From or To—	Subject.	
446686	9;11	Atl Fleet	Proposed change in stand plans of booths, provide lower blowers. W fwd C&R 10/6 RB 10;16	
447252	9;10	Porto Rico 920-4	Reqst details of chauffeur or truck driver.	W
447348	9;16 9;24	San Juan Com 920-4	Recs selection of site for remote control station and erection of same. W	
453580	10;23	Phila	Reqst vandykes of auxiliary radio room, radio compass and emergency transmitters for destroyers. To Phila fwds drawing 10/25	W
454341	10/22	Pg Sd	Reqst auth to instal in main radio room of WYOMING ARKANSAS NEW YORK and TEXAS teloscoping voice tube out lined. WL.	Z26

4—3381

Number.	Date.	From or To—	Subject.	
370718	11/22	To Commandants, M anagers Insprs, Commanders.	Fwds vandyke re re-arrangement of after auxiliary radio room. W.	75-Q-6
386353	1/17	C&R	Arrangement of radio room on sub fwds prints W 9[illegible]	
378818	12;18	Mazer ~~Meza~~ Acoustile Co	Gives new descrip of new type of sound proof radio booths.	
394514	2;11	Mazer ~~Meza~~ Acoustile Co	Sug all remaining instal of sound proof booths be made by workmen who are familiar with same.	
394515	2;11	Mazer ~~Meza~~ Acoustile Co	Req at least one workman be present at instal of sound proof booths at Wash Yrd. To---States that Contr. suggests to send a representative to WasH. re-installation of booth 2/20 To Inspr Phila- reqst ask Mazer Acous Co send rep to Wash n 3-7	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
400505	3;7	C&R	Destroyer 22 - 68 instal of radio comp house and auciliary radio room, work in con with will not be undertaken pending further instruc.	L
403554	3;17	Phila	Radio tel coil house, fwds prints.	W
403612	3;17	Norf	Arrangement of radio room destroyers 45 and 73, fwds prints.	W
399499	3/14	To C&R	Gives statement as to standard requirements of size and location of various radio rooms and spaces on principal classes of naval vessels- W.	876
411152	4;15	MI T	Reg plans of navy standard radio proof booth. To MI-Fwds vandykes. 4;28 W	W
420137	4;26 5;21	Phila C&R	Reqst designate quantity of each size of rafts which should be held in stock, excess number to be shipped to Charleston for dead storage. Fwd S&A 5-28	W

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
241019	7-27	U.S.Shipping Bd.	Fwds copy of general instructions to District Officers #4, in connection with radio rooms; gives title of district officers, etc; in connection with carrying on of correspondence.	711-2
242523	8-7	To C&R	Radio rooms. Reqtg enlargment to occommodate 1 kw radio radio sets on STEWART, PREBLEA, WHIPPLE, PERRY, TRUXTON & HOPKINS	496
26842	7-27	M Is.	Hair felt and asbestos hair felt for radio room insulation on destroyers; recommends increase quantity under contract.	629
243183	8-1	Amer Ship Bldg Co.	Radio rooms- fwds print of.	19-N-6
247060	9/1	To C&R	Quotes from Quarterly report in connection with necessary repairs on the bridge decking and bulkheads, to insure watertight integrity of the Radio Room, and reqt work be undertaken.	508-6
247480	9/5	To C&R	TEXAS. Break in fire main in radio room. Advisable not to have any water pipes passing through radio room.	876
243181	10/9	C&R	Fwds copy of circular letter containing latest instructions for insulation of radio room.	474-6
264982	12-4	To NY (T)	Standard arc room not suitable because new type arc apparatus. Arc Room must be changed to conform drawing RY S F 121. W	554-6
278870	2-2	NY	Type plans radio room - fwds prints.	876

N.S.E. Form 134.

ROOMS RADIO.

Number.	Date.	From or To—	Subject.	
292450	3-26	To C&R.	Dat on size of standard English radio rooms. Fwds rough sketch of. W.	652.
315671	6/8	Phil	Confirms telephone conversn rel to arrgt of radio room on destroyers.	876
316547	6/12	Atlantic Flt	Recommends work of planning and estimating in co nn w authorized changes of antenna ammeter sets enlargement of radio room etc be com;pleted prior to arrival of ships at navy yd.	876
317010	6/18	To Co vessels listed	Fwd blueprint for re arrangement of radio room	876
317134	6/5	Mare I land	Fwds prints showing operators stool for use in auxiliary radio room and on destroyers.	876
317010	6/18	To CO vessels listed.	Fwd blueprint for re-arrangement of radio room	876
336149	8/10	C&R	Proposed arrangement of interfleet radio room in conning tower foundations-fwds prints with contrs comments	563-6
353195	9/30	To Phila	Re arrangement of apparatus in interfleet aux radio room W	876

4—3381

[OVER.]

1916

Number.	Date.	From or To—	Subject.	
176405	12/16	WYOMING (Personal)	Sound proof deck radio station; states worthless on account of doors being opened; only satis arrgt sound proof booth within radio station	488-6
177417	1/26	Pug Sd	Arc type radio station; shore; reqt plans	876
174958	12/30	To C&R	Gives requirements for	876
179894	2/17	Bost	TBDS; submits estimateforchanges in radio rooms and installing instruments in connectionwith installing wave changers	496
180923	3-9	To C&R.	Ventilation of radio staions; re remoal of gases given off from leyden jars when apparatus is in full operation. W	408-6
182654	3/24	Phila	Proposed plans ventilating radio rooms; TBDS	496
184330	4/4	Pug Sd	Unarmored cruisers and gun boats; standard arrgt radio rooms; fwds vandyke	876
184443	4/6	M Is	MARYLAND, SOUTH DAKOTA & PITTSBURG; arc radio sets; submits plan and estimate for enlarging radio rooms	280-6
186803	5/4	C&R	TBDS; ventilation of radio rooms; copy of letter to Phila	496
187088	4/29	Pu G Sd	Reqt specifications for ventilating set provide for sets required for radio rooms	643
187004	5/6	NY	Request standard plans of radio rooms for TBDS as basis for drawing upstandard plans for installation	876

N.S.E. Form 134.

ROOMS: RADIO.

Number.	Date.	From or To—	Subject.	
187707	5/12	C&R	Ventilation of radio rooms of large vessels; recommends that 6 or 8 vessels be selected for trial installation	876
188046	5/12	Phila	Destroyers; ventilation room; radio	496
189802	6/7	To Ships	Radio arcsets: if soundproofing in the upper deck station is inadequate forward sketch showing desired installation of a soundproof booth for	876
193696	7/14	Bost	TBDS; ventilation of radio rooms; recommends where trouble isexperienced, could be placed over condensers and pipe to ventilating set of radio room	496
196479	8/14	To Y&D	Submits points brought to Bu's attention in connection with design of battery room for radio stations, particularly station in tropical locations	913
197229	8/18	Phila	TBDS; radio room ventilation; reports on	496
			1917	
212280	1-15	Pug SD;	Fwds vandykes arrgt radio room on gun boats; Lowenstein apparatus.	876
213515	2-6	To Atl Flt	Rect infor as to specific battleships not at present equipped with an auxiliary radio room, and for which such a room is recommended.	876
214847	3/23	Fwd C&R	Rec radio rooms of PAULDING MCCALL WARRINGTON TRIPPE PATTERSON TERRY BURROWS MAYRANT AMMEN ROE PERKINS & WALKE be enlarged.	115-6
229551	5-21	C&R	79 to 92 and 95 to 112 radio room; furniture in; fwds ~~xxxx~~ plans.	79-Q-6

NB—0120

[OVER.]

1914

Number.	Date.	From or To—	Subject.	
114184	12/20	At. Fleet	Re location of radio stations on BS below water line behind armor, reqt be done at next overhaul period.	876
114367	12/27	NY	Reports result of test to determine best location for radio station on vessel.	321--6
116995	2/6	To Bost	Guy Hill detailed in connection with plans for battle radio stations for ships repairing at Boston.	635--2
117891	2/17	Bost. T	NEW JERSEY: Space selected for battle radio room insufficient floor space and head room	313-6
120621	3/18	NY	Sound proof receiving booths in radio room; recommends no further expenditure; reqt trial booth be erected in noisy shop in yard for test purposes.	131-6
121755	4/3	A T Torp Flt	Radio rooms on TBDS : reports defective ventilation and sketch of scheme for improving	496
126414	6/3	NY	TBDS 51 to 56; fwds print showing size of radio rooms	539-6
155617	5/17	O'BRIEN	Reqt that radio station similar to NICHOLSON be installed Phila; recommends take up question of the relocation of radio rooms on this class	539-6

1915

N.S.E. Form 134.

Rooms; wireless

Number.	Date.	From or To—	Subject.	
156002	5-25	At Flt	Radio booth nn bridge not considered necessary except for flag ship (MINNESOTA)	290-6
157318	6-10	TO C&R	TUCKER & class; recommend enlargement of	548-6
158693	6/21	C&R	O'BRIEN & CLASS; radio room; fwds plans	539-6
158910	6/14	O'BRIEN	Enters complaint of undue amount of wood used in sheathing radio room, quarters and mountingelec conductors and fittings; applies to all vessels of class	539-8
159200	6/30	TO NY	Inform Bu as to size of radio room considered necessary for installation of a 15 kw radio arc set of shipboard	876
159732	7/6	Phila	TBDS 62-68; amount of floor space required for installation of 5 kwsets	567-6
158669	6/22	To Phila	TUCKER; TBDS 63-68; state amount of floor space necessary for installation of 5 kw sets with duplicate motor-generator and receivers	538-16
161675	7/29	O'BRIEN	Radio room;construction of; general recommendation relative to from divisions of fleet	539-6
169085	10/22	Phila	Standard plans; fwds vandykes of arrgt radio rooms on TBDS, etc	876
169235	10/23	NY	Coordination plans, radio; reqt class be assigned to cover radio rooms and general location plans .W	876

NB—0120

[OVER.]

1913

Number.	Date.	From or To—	Subject.	
94081	3/22	C.O.	WARRINGTON: reqt room be shifted	473--6
95791	3/18	C.O.	WARRINGTON: re-location A-22 compartment	473--6
96054	4/6	C.O.	MONAGHAN: relative to change in location of radio room	298--6
96148	4/25	NY	DRAYTON: relocation of	192--6
96145	4/25	NY	McCALL: do	269--6
96147	4/25	NY	PAULDING: do	337--6
96146	4/25	NY	PERKINS: do	346-6
96143	4/25	NY	STERETT: do	411--6
96144	4/25	NY	TERRY: do	432--6
96267	4/25	NY	MAYRANT: relocation in ship's wash room	284--6
96268	4/25	NY	ROE do	381--6
96256	4/25	NY	WARRINGTON do	473--6
99111	6/10	NY	UTAH: test for best location of radio room, in progress, recommends no changes until completion of.	876
100892	7/3 7/3	Asiatic Fleet T Dept.	ABARENDA: reqt authority to locate radio room in superstructure; present location too hot.	100-6

N. S. E. Form 134.

ROOMS: WIRELESS:

Number.	Date.	From or To—	Subject.	
102052	7-15	NY	Reports results of experiments for best location of radio rooms, length of aerial, ec	876
103676	8/1	C&R	TEXAS: re-location of armory & room.	132--6
105015	8/23	NY	NEW YORK: radio room, recommends be not installed until after test on FLORIDA. re	131--6
108819	10/26	At.Flt.	Result obtained on Florida test warrants re-locating radio rooms on all BS below water line and raising mast.	876
109754	2/19	C.O.	Radio equipment, report of Board for, suggested changes in location room and aerial.	321--6
109691	11/5	At. Tor.Flt	TBDS: recommends changes in radio rooms, and general chnges in radio installations	496
110840	11/20	Bost	GEORGIA: Radio room, recommends changes in location.	215--6
111709	11/29	NY	NORTH DAKOTA: states station located half wya up cage mast increases intensity of signals.	321--6

1914

NB—0120

[OVER.]

FILE No.		From or To— (Dated)	Subject.	
36650	4/20	C&R	TBDS 43-50: submits plans of rooms: arrgt.	440--6
37516	4/28	NY	ALABAMA: fwds prints	107--6
38303	5/2	NY	CULGOA: relative to changing location of: and installation of 5 KW set	172--6
45391	7/21	C.O.	RHODE ISLAND: battle wireless station: suggests using part of armory	377--5
51366	10/16	Norf.	SAN FRANCISCO: Fwds prints showing arrgt.	389-6
			1912	
71637	6/17	CO	PRESTON - asks for change of location	362-6
71894	6/10 6/21	San Juan NY	SAN JUAN: Request sound proof booth for operating room.	835
77767	8/26	C.O.	MONAGHAN: relocate	298--6
78268	9/5	C.O.	AJAX: new location	106--6
			1913	
88307	1/21	Chas	PRAIRIE, recommends change in location of:	360--6
90811	2/18	C.O.	Radio room, recommends re-location, fwds print	313--6

ROOMS, wireless.

FILE No.		From or To— (Dated)	Subject.	
28566	1/5	Chas.	L H. V. #53, requests consideration re submitting estimates for wireless room &c	678
28871	1/10	C&R	ALABAMA: proposed location of: prints	107--6
28908	1/6	Ports	MAINE:proposed location: print of: Reqt action taken be made to apply to MISSOURI & OHIO	274--6
30217	1/27	C&R	WISCONSIN: prints on location	484--6
31361	1/30	NY	ALABAMA: location of: Points out objection to space selected	107--6
31654	2/7	Ports	MAINE: submits prints of proposed location	274--6
31709	2/14	C.O.	BAILEY: recommends dimensions of room be increased	124--6
31828	12/29	C.O.	NEW JERSEY: fwds prints & recommendation re location of	313--6
31881	2/16	C&R	OHIO: fwds correspondence & prints relative proposed location of: and its conflicts with location of ice machine	323--6
32623	2/28	Norf.	BAILEY: reqt auth. to substitute wooden for steel wireless house	124--6
33082	3/4	Wash	WASH: enlarge transmitting room, submits diagram	840
34330	3/14	Norf.	S.Carolina: relative location of:	407--6
34491	3/17	C.O.	KANSAS: recommendations re location of	255--6
35330	3/20	Norf.	HECTOR: Mars,Vulcan: submits estimates and recommendations rel to location of wireless rooms	228--6

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ROTARY CONVERTER see transformers.

FILE No.	From or To— (Dated)	Subject.	

NB—0120

N.S.E. Form 134.

SECRECY: RADIO 1919 1

Number.	Date.	From or To—	Subject.	
378641 431	12/21	To Director Nav Com	Fwds copy of let sent to commercial firms removing the secrecy in the mfg of radio app To Dir Nav Intell ditto 12/27	876
459963	12/4	To Opr via Com Copies Fleets Direc Com Intell	Radio telegraph. visitors not to be permit visit radio rooms of naval vessels not be given info in re to radio installn or opr methods. Rqst C&R issue instructions changing lenses in radio rooms to prevent light from outside W	914
167726	10/8	To Yards & Stations	Directs radio personnel be cautioned not to discuss radio tests with civilian owing to certain patent litigation in connection with radio inventions now pending. W	914

Number.	Date.	From or To—	Subject.	

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Number.	Date.	From or To—		Subject.		
654616	12/23	1761	Boston	Inspr machy Todd	material	4-C-6
654617	12/23	1762	Washn	Todd	material	4-C-6
654678	12/27	1786	Washn	CO Hamp Rds	equipment	918
654403	12/23	1760	Washn	CO	Transformers	918
640843	12/27	1789	Brook	NY	coils	223-Q-6
654186	12/27	1788	Washn	SO Tutuila	material	846
654186	12/27	1787	MI	SO Tutuila	batteries	846
654246	12/27	1750	Norf	SO Washn	Receiver	898
653526	12/28	1793	Washn	CO S-51	Tubes	162-Q-6
640843	12/28	1790	Norf	CO	transformer	223-Q-6
654686	12/28	1795	Phila	SO NY	Amplifier	241-Q-6
654333	12/27	1801	Brook	CO	tubes	533-6
653870	12/28	1791	MI	CO	material	562-6
654928	12/28	1802	Brook	CO	voltmeters	592-6
647356	12/28	1792	Norf	Hamp Rds	material	707-11
652317	12/28	1794	Phila	Washn	material	898
654247	12/27	1755	Anacostia	Delauriers Column Co	Fan	918
655131	12/30	1808	Washn	SO NY	Insulators	46-P-6
655129	12/29	1800	Washn	SO Pug Snd	material	4-C-6
654753	12/30	1809	MI	CO	batteries	131-6
653996	12/30	1805	Washn	Boston	material	182-6
654883	12/30	1804	MI	SO PugSnd	Condensers	627

RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—		Subject.		
653234	12/30	T807	Annapolis	TO Boston	micro lines	797
655395	12/30	1815	Phila	SO Washn	Transformers	918
654930	12/30	1803	Washn	SO Annapolis	material	797
654929	12/30	1806	Washn	SO Key West	Transformers	817
655097	1/2/23	1826	Washn	COondenser	Condenser	321-6
655096	1/2/23	1819	Norf	CO	spark gap units	455-6
655096	1/2/23	1818	Phila	CO	material	455-6
655096	1/3	1830	Washn	CO	material	455-6

Number.	Date.	From or To—		Subject.		
652807	12/11	1692	Washn	SO NY	material	46-B-6
652650	12/11	1691	Washn	SO NY	material	121-6
652808	12/11	1693	Washn	SO NY	material	488-6
652793	12/11	1694	Brook	NY	motor generator	882-3
648018	12/4	1424	Annapolis	Inspr machy NL	Microphone line	123-0-7
653118	12/12	1696	Phila	CO	battery	321-6
653120	12/12	1706	Boston	SO NY	Insulators	488-6
652746	12/12	1697	Washn	CO	Buzzer	493
653121	12/12	1707	Boston	SO Phila	Spare parts	797
653229	12/12	1708	Boston	ND	Compensators	797
652917	12/11	1695	Washn	SO Norf	Rheostats	824
652793	12/11	1694	Brook	Dubilier Cond Co.	Motor Generator	882-3
652667	12/12	1705	Washn	SO NY	tubes	898
652791	12/11	1687	Washn	C Francis Jenkins	tubes	898
627979	12/13	1711	New York	Hamp Rds	amplifiers	455-6
653230	12/13	1709	Boston	M.I.	Compensators	797
653232	12/13	1710	Boston	Annapolis	Compensator	797
653234	12/13	1713	Annapolis	Groton	Mirophone lines	797
653234	12/13	1714	Annapolis	Phila	Sound matl	797
653243	12/13	1715	Wash	M.I.	Transformers	904
653237	12/13	1716	Wash	Atl Fleet	batteries	918
653238	12/14	1718	Washn	SO Ports	Spare parts	69-771

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Number.	Date.	From or To—		Subject.		
653253	12/14	1719	Washn	SO NY	spare parts	80X-21
653524	12/14	1725	Washn	CO	spare parts	367-6
653121	12/14	1717	Washn	SO Norf	spare parts	515-6
653525	12/15	1728	Washn	Inspr N L	Tubes	136-0-6
653526	12/ 15	1729	Washn	CO	tubes	162-0-6
646000	12/15	1726	Phila	SO P H	equipment	171-Q-6
646000	12/15	1727	Washn	P H	recg systems	171-Q-6
651635	12/18	1733	NL	SO Ports	material	135-0-7
651635	12/18	1740	Boston	MI	Equipment	135-0-7
653822	12/18	1741	Washn	CO	Buzzer	455-6
653985	12/19	1742	Washn	SO NY	material	898
651765	12/18	1732	Anacostia	San Diego	Helmets	918
653996	12/20	1743	Washn	SO Boston	Material	182-6
653755	12/18	1730	MI	SO Cavite	tubes	497
653756	12/18	1731	MI	SO Cavite	tubes	497
654128	12/22	1747	Washn	SO Phila	Equipment	918
654398	12/22	1757	Phila	Scouting Fleet	tubes	918
654127	12/22	1746	Washn	SO Annapolis	Material	920-1
654400	12/22	1759	Washn	SO Ports	Insulators	105-0-6
653996	12/21	1756	Washn	CO DELAWARE	resistance units	182-6
654164	12/21	1758	Phila	CO NY	material	488-7
56303	12/22	1745	Washn	Hammond Radio research lab	tubes	629
654245	12/22	1749	P H	SO Washn	Amplifiers	918
654245	12/22	1748	San Diego	SO Washn	Amplifiers	918

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[OVER.]

1922

Number.	Date.	From or To—		Subject.		
651682	12/1	1619	Boston	Phila	material	918
651765	12/1	1622	Anacostia	CO Sandiego	helmets	918
646512	12/1	1624	Anacostia	Garden City	boxes	1207
641366	12/1	1618	Chasn	Guam	Transformers	813
641366	12/1	1617	Phila	"	"	"
651770	12/4	1644	NY	Anacostia	Theodolite	919
"	12/4	1643	"	Pug Snd	"	"
"	12/2	1631	"	LI	"	"
"	12/2	1626	"	Norf	"	"
"	12/2	1627	"	Chasn	"	"
"	12/2	1628	NY	Key West	"	"
"	12/2	1629	"	NO	"	"
"	12/2	1630	"	SO 9 Dist	"	"
651992	12/4	1646	Washn	Paris	Peitiers	493
651883	12/4	1648	Washn	CO	Receiver	498-6
651920	12/4	1645	Washn	Guam	Apparatus	813
651961	12/4	1647	Washn	SO Ports	tubes	898
651968	12/4	1649	Phila	SO Washn	Tubes	898
651966	12/4	1625	Phila	Squad 1	material	918
5071~9	12/6	1661	Hamp Rds	CO	see shipreqst generator	198-8
651883	12/4	1650	SO	SO Washn yard	receiver	498-6
647357	12/5	1655	NL	NY	Transmitters	135-0-6
649417	12/5	1651	FR	NY	"	153-0-6
652192	12/6	1658	Phila	SO Boston	batteries	102-Q-6
646000	12/7	1673	Washn	SO P H	Amplifier	171-Q-6

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Number.	Date.	From or To—		Subject.		
650070	12/5	1652	Washn	NY	insulators	455-6
643420	12/6	1657	Norf	SO NY	cells	771
652317	12/6	1660	Phila	SO Washn	material	898
652452	12/8	1675	Washn	SO Ports	tubes	115-0-6
651635	12/7	1656	Boston	SO Ports	equipment	135-0-7
652453	12/8	1677	Washn	Inspr machy FR	tubes	157-0-6
6 44340	12/8	1678	CO	CO% P M NY	Receiver	288-Q-6
651091	12/7	1671	Washn	CO	Receiver	508-6
6 54021	12/8	1681	Boston	SO Phila	Compensator	629
681287	12/9	1682	Washn	SO Great Lakes	batteries	707-11
6 590939	12/8	1676	Washn	3rd Dist	Apparatus	254-771
643276	12/8	1679	Phila	Annapolis	microphone lines	797
643276	12/8	1680	Phila	Annapolis	material	797
577773	12/7	b 1673	Phila	Washn	ammeter	851
577773	12/7	1669	Washn	Balboa	Ammeter	851
633336	12/7	1670	Brook	SO P H	Ammeter	876
638682	12/7	1672	Phila	4th Dist	material	876
652316	12/6	1659	Brook	San Diego	telephones	902
652648	12/9	1682	Washn	San Diego	tubes	918
652649	12/9	1683	Anacostia	San Diego	transmitter	918
652804	12/9	1688	Washn	CO	equipment	918
652805	12/9	1689	Phila	CO	Equipment	918
652806	12/9	1690	Phila	CO	Equipments	918
652449	12/7	1674	NY	Porto Rico	meter	920-4

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[OVER.]

Number.	Date.	From or To—		Subject.		
649879	11/18	1520	Brook	Pug Snd	material	919-58
650070	11/21	1561	Washn	SO Boston	insulators	455-6
650317	11/21	1550	Boston	New London	Compensators	797
650122	11/21	1562	Washn	Quantico	Transformer	918
650319	11/21	1564	Guam	SO Phila	Receiver	918
650320	11/21	1565	Guam	SO Washn	Amplifier	918
650321	11/21	1566	Washn	CO Guam	Amplifier	918
Phila Req. 50176 11/20 1548			Norf	SO Phila	batteries	Rqn
619719	11/24	1579	Phila	Boston	Transformers	369-6
643209	11/23	1570	Pt Isabel	SO Washn	Amplifier	747-9
650118	11/21	1563	Phila	Coco Solo	material	797
650765	11/24	1578	Washn	CO	Equipment	699-771
645512	11/24	1580	San Juan	MI	Tone trap	830
650654	11/23	1569	Washn	Hamp Rds	tubes	918
650655	11/23	1568	Philaz	Hamp Rds	Transmitters	918
644523	11/27	1589	Brook	SO Pensacola	Insulators	736-38
644523	11/27	1588	Pensacola	SO Brook	Insulators	736-38
643276	11/27	1586	Phila	Annapolis	lines	797
650658	11/23	1571	Norf	SO Boston	Compensator	797
644054	11/27	1593	Washn	NY	Insulators	911
649961	11/24	1582	Phila	Dayton	Equipment	918
649961	11/24	1581	Phila	Garden City	Equipment	918
650660	11/23	1573	Phila	Pensacola	material	

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Number.	Date.	From or To—		Subject.		
650670	11/27	1590	Washn	S Phila	Material	919-10
640800	11/27	1587	Washn	SO Phila	arc key	45-B-6
650763	11/23	1576	NY	SO Tug Snd	batteries	4-C-6
650324	11/24	1567	Washn	Inspr machy Todd	equipment	5-C-6
643955	11/27	1592	Washn	Beth	material	7-C-6
650659	11/23	1572	Phila	Inspr machy Cramps	batteriesz	9-C-6
650661	11/23	1574	Washn	Cramps	panels	9-C-6
650662 z	11/23	1575	phila	Cramps	batteriesz	9-C-6
647557	11/24	1584	Boston	NL	material	135-O-6
647357	11/24	1585	NY	NL	material	135-O-6
647357	11/24	1583	Brook	NL	Transmitter	135-O-6
649878	11/27	1594	Phila	SO Ports	Amplifier	139S-21
650659	11/28	1597	Phila	Cramps	batteries	9-C-6
649912z	11/27	1595	Washn	SO Boston	equipment	292-Q-6
646419	11/27	1596	Phila	SO Chasn	batteries	22-S-8
646419	11/28	1598	Washn	Chasn	material	22-S-8
651472	11/29	1599	Brook	CO	material	493
54204	12/1	1623	Anacostia	Mccook Field	Boxes	629
651680	12/29	1601	Washn	Boston	material	797
651701	12/2	1621	Norf	SO Boston	code practice set	898
640895	12/1	1620	Washn	Boston	Insulators	911
651679	11/29	1600	Washn	Bu Standards	loud speaker	916
650764	11/29	1577	Phila	Pac Fleet	radio sets	918

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[OVER.]

Number.	Date.	From or To—		Subject.		
649012	11/11	1481	Norf	Washington	receiver	898
648675	11/11	1477	Phila	Pensacola	meters	19-N-6
649008	11/11	1479	NY	HENDERSON	telegraph set	511-6
649412	11/14	1487	Washn	SO P H	Insulators	88-0-6
648567	11/14	1496	Washn	CO	receiver	576-6
644528	11/14	1495	Phila	San Diego	material	707-11
646905	11/15	1491	Washn	CO	buzzer	876
610982	11/15	1490	MI	washn	Receivers	898
649316	11/16	1499	MI	SO Washn	Receivers	2-F-6
649316	11/16	1501	Washn	CO	Receiver	2-F-6
649570	11/16	1505	Phila	Coco Solo	Ammeter	102-0-6
466585	11/16	1506	Cavite	Unione	Transformers	495
648927	11/16	1502	Washn	Annapolis	Test Set	797
649419	11/16	1504	Brook	Hamp Rds	Telephones	902
647357	11/17	1511	NL	SO Ports	Transmitter	135-06
649696	11/17	1513	NL	SO Washn	Receivers	139-0-6
649746	11/17	1512	Washn	SO Phila	panels	1-P-6
649876	11/17	1507	Washn	Europeane Waters	Transformers	218-Q-6
649844	11/17	1517	NL	CO	Amplifier	7-X-6
649645	11/17	1518	Phila	CO	battery	7-X-6
649874	11/17	1516	Washn	CO	buzzer	488-6
647714	11/17	1514	Washn	San Diego	Equipment	510-6
649875	11/17	1515	NL	CO	Amplifiers	510-6

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Number.	Date.	From or To—		Subject.		
647356	11/16	1508	Norf	Hamp Rds	material	707-11
644337	11/18	1528	Washn	Balboa	material	793-8
644337	11/18	1527	Brook	SO 15 Dist	Amplifier	793-8
649975	11/18	1524	Ports	SO Cavite	Amplifier	806
649977	11/18	1525	Chasn	SO Cavite	Amplifier	806
649978	11/18	1526	Chasn	Coils	Amplifier	806
646905	11/17	1500	Washn	CO FLORIDA	Buzzer	876
614592	11/16	1510	NY	SO Boston	Theodolites	919
614592	11/16	1509	NY	SO Phila	"	919
649880	11/18	1519	MI	SO Pug Snd	material	919-59
649913	11/20	1532	Boston	SO Washn	Receiver	327-Q-6
649913	11/20	1531	Washn	SO Boston	Receiver	327-Q-6
626380	11/21	1558	MI	Phila	Gear	3-Ts-9
649882	11/18	1521	Norf	SO Washn	material	797
649973	11/18	1522	Annapolis	SO Washn	material	797
649974	11/18	1523	Phila	SO Washn	material	797
643278	11/20	1530	Pug Snd	CO	batteries	882-1
650066	11/20	1547	Washn	Navl Obs. Washn	material	898
650065	11/20	1546	Washn	Phila	Transformers	904
649891	11/20	1534	Washn	CO	Receiver	1661-K-6
649882	11/18	1521	Norfolk	SO Washn	material	797
649973	11/18	1522	Annapolis	SO Washn	material	797
644335	11/20	1549	Phila	Anacostia	fans	918

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Number.	Date.	From or To—		Subject.		
647721	11/1	1415	Washn	SO NY	break key system	533-6
647618	10/31	1405	San Diego	Anacostia	Reg. Fans	736-43
647873	11/2	1421	Washn	Anacostia	loud speaker	736-43
647615	11/1	1402	Washn	SO Cavite	Equipment	61-771
647717	11/1	1403	Washn	SO Norf	Equipment	1008-771
647719	11/1	1413	washn	SO MI	break key system	898
647722	11/2	1416	washn	SO Boston	equipment	898
647614	10/31	1401	washn	SO Boston	Equipment	138-6
647613	10/31	1400	Washn	SO NY	Equipment	316-6
647870	11/2	1418	Washn	SO Cavite	break key system	367-6
647869	11/2	1417	Washn	SO Norf	equipment	515-6
647884	11/2	1419	Washn	SO NY	Charging panel	1015-771
647872	11/2	1420	NY	CO	Arc Set	1018-771
648087	11/4	1423	Anacostia	CO Quantico	material	918
648179	11/6	1441	washn	SO Ports	material	160-0-6
626110	11/6	1442	Washn	SO MI	Material	813
641464	11/9	1379	x Phila	SO Coco Solo	sirens	590-22
648148	11/6	1426	Washn	SO Chasn	Rectifier	807
648419	11/6	1427	Washn	SO Key West	Rectifier	817
648420	11/6	1440	washn	San Juan	Rectifier	837
648417	11/6	1425	Phila	Atl. Fleet	Transmitters	918
648899	11/10	1465	Boston	CO	battery	46-b-7
645057	11/9	1454	NYz	Phila	material	10-C-6
648898	11/10	1466	Boston	SO Ports	batteries	116-0-7

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Number.	Date.	From or To—		Subject.		
648902z	11/10	T468	Boston	Inspr machy FR	batteries	153-0-7
648900	11/10	1467	Boston	Inspr machy Lake	battery	159-0-7
647613	11/9	1446	Washn	CO ships listed	equipment	316-6
646877	11/9	1453	Brook	Annapolis	generator	707-1
646877	11/9	1452	Phila	Annapolis	Generator	707-1
648626	11/9	1447	Washn	CO Anacostia	Amplifier	736-43
648422	11/6	1443	Washnto SO MItoMI (	Rectifier)	Rectifier	813
648421	11/8	1449	NY	Cayey	Radio Arc set	835
648745	11/9	1451	Washn	Phila	batteries	918
648424	11/6	1441	Great Lakes	CO Anacostia	Pigeons	1207
648425	11/9	1445	Great Lakes	CO Anacostia	supplies	1207
648963	11/10	1473	Pug Snd	Inspr machy Todd	batteries	4-C-7
648962	11/10	1472	Boston	Inspr machy FR	batteries	3-C-7
648675	11/11	1475	Brook	SO Pensacola	spark gap units	19-N-6
648960	11/10	1469	Bostonx	SO Forts	battery	105-0-7
649005	11/10	1471	MI	Inspr machy Union	batteries	141-0-7
638344	11/8	1448	Phila	Boston	material	797
645067	11/10	1455	Key West	SO -1	material	1033
649006	11/10	1474	Boston	SO P H	Parts	1051
649104	11/11	1480	New York	USS AROOSTOOK	Arc set	24-771
649007	11/11	1478	New York	ARGONNE	arc set	1019-771

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Number.	Date.	From or To—		Subject.		
618316	10/18	1335	Phila	SO Chasn	Battery	22-G-6
645513	10/16	1315	Washn	SO NY	Receivers	Q-6
645346	10/17	1326	Norf	CO	Telephones	316-6
645395	10/18	1328	Phila	CO	Spare parts	364-6
645835	10/18	1327	Washn	CO	Transformers	918
645240	10/17	1331	Cayey	SO "ashn	receiver	920-4
644528	10/19	1343	Phila	San Diego	Motor generator	707-11
645519	10/17	1321	Washn	SO Cavite	equipment	Q-6
645894	10/18	1322	Phila	NY	tube unit pretectors	589-7
638701	10/19	1345	washn	SO Boston	batteries	898
645839	10/18	1329	CO LANGLEY	SO washn	Amplifier	918
646002	10/19	1342	washn	Pac. Fleet	Amplifier	918
646003	10/19	1344	Phila	CO Pac. Fleet	Helmets	918
625850	10/20	1350	washn	Inspr machy washn	panels	4-C-6
625850	10/20	1354	NY	Bat washn- Todd Co	batteries	4-C-6
646005	10/19	1347	Boston	Inspr Todd	Compensators	6-C-6
646006	10/19	1346	Boston	Inspr Cramps	Compensators	11-C-6
646000	10/18	1330	Norf	SO P H	Buzzers	171-Q-6
633491	10/21	1359	Annapolis	Cramps	Oscillators	9-C-7
629371	10/21	1355	Phila	Elec Boat Co	batteries	123-C-6
644698	10/21	1357	Washn	Pac Fleet	material	Q-6
646000	10/19	1341	Washn	SO P H	Recg. system	171-Q-6
644517	10/21	1356	Washn	CO	Material	236-Q-6

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Number.	Date.	From or To—		Subject.		
640397	10/20	1349	Washn	SO MI	Amplifier	898
640506	10/24	1363	Washn	SO Guantanamo	material	1-Z-6
646398	10/23	1361	Washn	CO BRIDGEPORT	res. units	493
646285	10/23	1362	NY	SO Boston	Buzzers	876
646672	10/24	1371	Washn	NY	tubes	898
644519	10/9	1249	Washn	SO Cavite	voltmeter	806
633336	10/25	1360	Washn	Phila	material	876
643273	10/26	1373	Washn	SO Chasn	Arc chamber	898
644519	10/9	1249	Washn	SO Cavite	Voltmeter	806
644528	10/28	1388	M.I.	San Diego	Deremeter	707-11
646909	10/28	1387	Norf	CO PROMETHEUS	material	364-6
646842	10/26	1374	Anna	SO MI	Microphone lines	797
646842	10/26	1375	MI	Annapolis	microphone	797
646906	10/26	1386	Norf	SO Hamp Rds	Generator	1010-771
647612	10/31	1399	washn	SO Pug Snd	Equipment	153-6
647609	10/31	1397	MI	SO Washn	Receiver	510-6
647610	10/31	1398	Pug Snd	SO washn	Receiver	898
618316	11/2	1411	Norf	SO Chasn	material	22-G-6
618316	11/2	1410	Phila	Chasn	material	22-G-6
647713	10/31	1408	Washn	SO Phila	Equipment	1-P-6
644341	11/2	1412	Boston	CO WORDEN	Receiver	288-Q-6
644341	11/2	1409	CO	SO washn	Receiver	288-Q-6
644720	11/1	1414	Washn	SO Phila	Equipment	498-6
647714	11/1	1404	Washn	SO MI	Equipment	510-6

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Number.	Date.	From or To—		Subject.		
644015	10/10	1267	USS McCORMICK Washn		Receiver	223-Q-6
644015	10/10	1261	M.I.	McCORMICK	material	223-Q-6
644016	10/10	1254	Washn	McCORMICK	material	223-Q-6
644017	10/10	1266	Boston	McCORMICK	material	223-Q-6
644341	10/11	1272	Boston	Washington	Receiver	288-Q-6
641599	10/12	1292	Phila	Washn	Amplifier	342-27
642607	10/10	1252	Washn	JASON	Charging panel	512-6
622979	10/11	1271	Washn	Hamp Rds	Material	707-11
644693	10/10	1253	Washn	P Harbor	Material	898
645058	10/12	1291	M.I.	Portsmouth	Transmitter	898
644054	10/11	1273	Wash	Ports	Insulators	911
641276	10/11	1265	Phila	Cape Henlopen	Coils	919-10
644557	10/11	1264	Boston	Norf	Batteries	1002
644295	10/10	1269	Anacostia	LANGLEY	Pigeon supplies	1207
645055	10/12	1277	Washn	M.I.	Receivers	Q-6
645057	10/12	1278	New York	Phila	material	10-C-6

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Number.	Date.	From or To—		Subject.		
645293	10/13	1305	Washn	Boston	material	Q-6
644981	10/14	1309	Brooklyn	USS LAMSON	material	328-Q-6
642874	10/13	1299	M.I	NEW MEXICO	batteries	554-6
56303	10/14	1307	Washn	Boston	vacuum tubes	629
622979	10/13	1297	Phila	Hamp Rds	material	707-11
622979	10/13	1294	Phila	Hamp Rds	material	707-11
645290	10/13	1304	Wash	Morehead City	Audibility meter	1044
645511	10/16	1313	Washn	CO	Amplifiers	251-6
645512	10/16	1314	Porto Rico	San Diego	tone trap	830
645513	10/16	1316	Pac Fleet	Phila	material	918
645513	10/16	1317	Washn	Cavite	Equipment	Q-6
645516	10/17	1319	NY	SO Washn	Receivers	Q-6
645518	10/17	1318	Boston	SO Washn	Equipment	Q-6
645519	10/17	1308	Cavite	SO Washn	Receivers	Q-6
645681	10/18	1334	Washn	European	material	493
645681	10/18	1332	Brook	European Waters	material	493
645681	10/18	1333	Norf.	European Waters	Material	493
645285	10/17	1320	Washn	SO NY	material	772
645297	10/16	1301	Annapolis	NL	microphone lines	797

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Number.	Date.		From or To—	Subject.		
643960	10/5	1210	Washn	SO MI	Wavemeter	893-4
643961	10/5	1211	Washn	SO Pug Snd	Wavemeter	893-4
637265	10/5	1203	Norf	San Juan	Rectifier	898
643730	10/4	1190	Washn	Anacostia	material	902
631630	10/4	1188	Annapolis	Anacostia	Cable	906
643955	10/6	1206	Washington	Inspr FR	material	7-C-6
643953	10/6	1220	MI	SO Ports	coil Antenna	115-O-6
643962	10/5	1212	Washn	Davite	Wavemeter	893-4
643965	10/6	1213	Washn	CO MARYLAND	Wavemeter	893-4
643966	10/6	1214	Washn	CO NEW MEXICO	Wavemeter	893-4
643967	10/6	1215	Washn	CO ROCHESTER	Wavemeter	893-4
643968	10/6	1216	Washn	CO CALIFORNIA	Wavemeter	893-4
643969	10/6	1217	Washn	CO WYOMING	Wavemeter	893-4
643970	10/6	1218	Washn	CO SAN DIEGO	Wavemeter	893-4
643971	10/6	1219	Washn	CO FLORIDA	Wavemeter	893-4
630719	10/6	1207	Washn	Inspr FR	meter buzzer	7-C-6
644340	10/9	1240	CO WORDEN	SO Washn	Receiver	288-Q-6
644341	10/9	1241	Washn	CO WORDEN	Receiver	288-Q-6
644031	10/9	1238	Washn	CO NEW YORK	Tubes	131-6
639287	10/7	1231	Washn	CO FULTON	material	498-6
639287	10/7	1230	Brook	COFULTON	material	498-6
639287	10/ 7	1229	NY	CO FULTON	material	498-6
55984	10/7	1234	CO MARYLAND	SO NY	material	629
643958	10/6	1208	Chatham	SO Boston	material	736-33

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Number.	Date.	From or To—		Subject.		
644338	10/7	1235	Phila	SO 15 Dist	Spark Gap	793-8
643793	10/7	1227	Washn	SO MI	batteries	882-3
640895	10/7	1232	Washn	SO Ports	insulators	9111
644335	10/7	1228	Phila	Anacostia	Bans	918
639681	10/9	1248	Washn	Ins pr Lake	Transmtg key	159-Q-6
643332	10/9	1236	Washn	SO Boston	Receivers	102-Q-6
644517	10/9	1246	Washn	SO Norf	material	236-Q-6
644520	10/9	1250	Washn	SO Norf	material	236-Q-6
54021	10/9	1247	Boston	Cramps Son	Compensator	629
54021	10/9	1239	Boston	FR	Compensator	629
644523	10/10	1260	Brook	SO Pensacola	Insulators	736-38
644337	10/7	1233	Washn	SO Balboa	material	793-8
644619	10/10	1259	Phila	SO N-	material	797
643727	10/9	1237	Washn	SO Balboa	condenser	850
641319	10/10	1251	Chasn	Cape Lookout	batteries	919-8
618316	10/11	1263	Phila	Charleston	material	22-G-6
644700	10/11	1274	Washn	Boston	material	Q-6
644701	10/11	1268	Pugh Snd	Washn	Receivers	Q-6
644702	10/11	1275	Washn	M.I.	material	Q-6
645056	10/12	1290	M.I.	Washington m	receivers	Q-6
644698	10/10	1270	Washn	Pug Snd	receivers	Q-6
644698	10/11	1262	Washn	Pug Snd	material	Q-6

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Number.	Date.		From or To—	Subject.		
642467	9/26	1134	Washn	Inspr Lake	Material	902
629371	9/26	1085	NY	Inspr Elec Boat Co	batteries	123-0-6
642254	9/26	1144	Brook	CO	apparatus	102-Q-5
642069	9/26	1138	Washington	Annapolis	Apparatus	797
642467	9/26	1143	Washington	Portsmouth	Apparatus	902
642820	9/26	1140	CO BRIDGEPORT	SO Brooklyn	Repairs	1206
643075	9/28	1151	NY	SO Pug Snd	Mirrors	708
642069	9/26	1130	Washn	Annapolis	material	797
642512	9/28	1154	Washn	SO Hamp Rds	batteries	882-1
642083	9/27	1145	Washn	SO Annapolis	Radio Set	898
642510	9/28	1155	SO NY	SO Hamp Rds	Arc Set	898
642511	9/28	1156	GE Co	SO Hamp Rds	Radio Set	898
642964	9/29	1165	Phila	SO Norf	Receiver	241-Q-6
608344	9/29	1164	Washn	Annapolis	material	820
633380	9/28	1157	Washn	Turkish Waters	Transmitters	876
643188	9/29	1158	Washn	SO Hamp Rds	tubes	898
643170	9/30	1167	Washn	CO R-22	Transmitter	99-0-6
643171	9/30	1170	NL	SO Washn	Equipment	135-0-6
643015	9/29	1172	Pug Snd	San Diego	material void	
642694	9/30	1171	Phila	CO IDAHO	condenser	563-6
51452	9/30	1166	GE	Washn	Material	629
642509	9/28	1146	Washn	Great Lakes	Apparatus	854
643272	9/30	1169	Washn	SO Hamp Rds	Receivers	898
643348	9/29	1173	Norf	Constantinople via BRIDGE wire		1052

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Number.	Date.	From or To—		Subject.		
635687	10/2	1180	NY	Phila	sound equipment	225-7
596503	10/2	1181	Anna	NY	material	488-7
56303	9/28	1147	Washn	Hammond Radio Lab	apparatus	629
643274	9/30	1178	NY	SO Phila	line	797
643276	9/30	1177	Annapolis	SO Phila	Sound Unit	797
643271	9/30	1168	Phila	Anacostia	tubes	898
56275	10/2	1182	Anacostia	Inspr mat GE	Transmitters	629
641983	10/2	1101	Washington	San Diego	Apparatus	830
633336	9/26	1135	Washn	SO Phila	Material	876
643530	10/3	1185	MI	CO	tubes	898
6400 29	10/2	1183	Washn	Porto Rico	Receiver	920-4
643273	9/30	1179	Chasn	SO Washington	arc chamber	898
642968	10/5	1221	Phila	CO	Indicator	268-24
641115	10/5	1222	MI	ships listed	Panels	456-5
643279	10/3	1184	Washn	SO H	apparatus	898
643463	10/3	1186	Washn	CO	Apparatus	898
643580	10/3	1185	Wasn	SO MI	Tubes	916-2
643952	10/4	1191	MI	Inspr mat FR	coil antenna	153-0-6
643722	10/4	1189	MI	SO Balboa	Antennas	590-6
643954	10/4	1201	Washn	SO Boston	Wavemeter	893-4
643956	10/5	1204	Washn	SO NY	Wavemeter	893-4
643957	10/5	1205	Washn	SO Phila	Wavemeter	893-4
643959	10/5	1209	Washn	SO Norf	Wavemeter	893-4

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Number.	Date.	From or To—		Subject.		
603996	9/11	1037	Boston	Washington	Antenna wire	916
640659	9/9	1041	Phila	Quantico	material	918
640513	9/12	1044	MI	PH	V T Detectors	68921
640820	9/11	1036	NY	Inspr machy NYS	Transmitter	45-B-6
640843	9/14	1069	Brook	CO	Transformer	223-Q-6
637292	9/14	1063	Phila	SO washn	Amplifier	747-15
597621	9/15	1068	NL	SO Boston	material	123-O-6
641036	9/15	1071	Key West	SO	Generators	364-6
641312	9/16	1080	Phila	SO NY	Material	574-7
638078	9/15	1066	Washn	NY	material	1014-771
641279	9/15	1070	Union	SO NY	Compensators	797
640826	9/14	1045	Washn	Brook	Tubes	898
641276	9/15	1065	Washn	Phila	material	919-10
641278	9/14	1064	Norf	SO " "	telephone	1051
629538	9/15	1067	MI	Inspr Union	Compensators	141-O-7
641281	9/16	1079	Phila	SO Norf	Material	824
639998	9/16	1077	Brook	SO Lake x	Apparatus	9 2
641016	9/15	1089	Washn	Pensacola	Coils	918
641280	9/16	1072	Phila	SO NY	Coil	919-20
BAINBRIDGE	Eng 53/23	1078	9/16 Washn	CO	Batteries	W R
640820	9/19	1082	NY	Phila	Transmitter	45-B-6
641632	9/19	1081	Washn	CO Cavite	Apparatus	806
641979	9/20	1086	Washn	Phila	Batteries	918

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Number.	Date.	From or To—		Subject.		
620873	9/20	1099	Boston	So Forts	Forbes log set	105-0-6
641976	9/20	1084	Annapolis	So Phila	Oscillator unit	699-771
641981	9/20	1096	Phila	Inspr Elec.Boat Co	Receivers	797
641977	9/20	1094	Washn	San Diego	Tone Trap	830
641978	9/20	1095	Bar Harbor	San Diego	Tone Trap	830
603682	9/21	1102	Washn	CO	tube detector	496
603682	9/21	1103	Washn	SO PugSnd	tube Detector	496
638392	9/22	1118	Boston	Inspr FR	compensators	797
638392	9/22	1119	Boston	New London	Compensators	797
638392	9/22	1120	Boston	Inspr NL	Compensators	797
SCIOTA	Eng 24/23 W R 9/22 1117		Washn	CO SCIOTA	Apparatus	WR
642076	9/23	1121	Washn	Annapolis	material	797
641982	9/21	1101	Philaz	Squad 1	transmitters	918
642077	9/23	1127	Washn	CO Anacostia	Apparatus	736 -43
641185	9/22	1111	Hamp Rds	Va Beach	tools	824
641185	9/22	1112	Hamp Rds	Cape Hatteras	Tools	824
641185	9/22	1113	Hamp Rds	Morehead	Tools	824
639640	9/26	1136	Hamp Rds	Yards listed	insulators	10-0-6
639640	9/26	1137	Brook	Phila	Insulators	10-0-6
642078	9/25	1129	Washn	CO	tubes	160-0-6
642426	9/25	1127	NY	SO Phila	Transmitter	699-771
642380	9/25	1128	MI	CO	telephone	1003-771
641649	9/23	1126	NY	SO Pug Snd	spark gap	898

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Number.	Date.	From or To—		Subject.		
636959	9/1	998	Chasn	Point Isabel	Milling machines	9853
639923	9/1	1004	Norf	Managua	Wavemeter	858
629920	9/1	1001	Washn	Anacostia	Radio matl.	876
639922	9/1	1003	Washn	Annapolis	Vacuum tubes	898
638646	9/2	1008	Santo Domingo Portaau Prince		Pigeons	1207
639921	9/1	1002	Norf	Boston	Compensators	797
589868	9/6	1014	USS REUBEN JAMES Washb		Receiver	240-Q-6
636489	9/7	1021	Washn	STURTEVANT	Receiver	240-Q-6

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Number.	Date.	From or To—		Subject.		
56274	9/6	1015	Norf	West Elec Co	Generator	629
622979	9/6	1019	Washn	Hamp Rds	Radio Matl	707-11
"	9/7	1020	Phila	"	"	"
"	9/6	1018	Boston	"	"	"
627690	9/6	1016	Hamp Rds	Phila	Matl	736-34
636503	9/6	1017	Washn	Phila	Batteries	918
50450	9/8	1030	GE	yards	equipments	629
624856	9/8	1029	Quantico	SO Phila	material	747-40
638683	9/8	1032	Washn	yards listed	material	876
547631	9/8	1028	GE	yards "	equipment	918
640029	9/8	1042	San Juan	SO Washn	Receiver	920-4
639134	9/9	1034	Boston	SO washn	Material	747-1
638683	9/8	1032	Washn	Annapolis	material	876
640069	9/8	1033	Norf	SO Washn	Transmitter	898
640613	9/8	1031	MI	SO P H	Condensers	898
640399	9/11	1035	Ports	x CO	Detector	22-N-6
637818	9/11	1043	Boston	NL	batteries	123-07

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Number.	Date.	From or To—		Subject.		
629371	8/30	972	Boston	Groton	Condensers	123-0-6
637817	8/30	983	Phila	USS ROCHESTER	receiver	316-6
638203	8/30	977	Boston	USS RIGEL	condensers	1014-771
639501	8/30	984	Phila	Great Lakes	tubes	854
637867	8/30	981	S Brook	Alpena	Spark gap.	870
636682	8/29	979	Boston	Annapolis	Radio matl	876
638682	8/29	978	Phila	Annapolis	Radio matl	876
638682	8/29	980	Washn	Annapolis	Radio matl	876
637705	8/31	993	Washn	New York	Vacuum tubes	46-B-6
633491	8/31	996	Washn	Phila	Wavechanger coils	9-C-7
637818	8/30	982	Boston	Groton	Batteries	123-0-7
639763	8/31	10000	Phila	New York	Sound matl	588-7
639642	8/30	988	Boston	Phila	Compensator	699-771
638078	8/30	990	Washn	USS RIGEL	Radio Equipmt	1014-771
639643	8/31	994	Hamp Rds	Norf	Radio matl	876
639644	8/31	995	Phila	Pac Fleet	Radio equip	918
637430	8/31	997	Washn	New Orleans	uni-wave key	821
624443	8/31	976	S Brook	Boston	Radio matl.	898

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Number.	Date.	From or To—		Subject.		
639927	9/1	1012	New York	USS RIGEL	Radio matl.	1014
615645	8/30	985	Phila	Phila	Compass coil system.	9-C-6
539862	8/31	989	Washn	USS REUBEN JAMES	Receiver	240-Q-6
638272	8/31	991	Washn	USS PATAPSCO	Batteries	334-6
638959	9/2	1013	Boston	NEW YORK	Radio matl	131-6
638959	9/2	1009	Washn	NEW YORK	Radio matl	131-6
635734	9/1	1006	Phila	USS PROMETHEUS	Apparatus	364-6
639504	8/31	992	Annapolis	M.I.	Sound matl	797
639925	9/1	1007	Washn	Cavite	Radio telegraph	806
639924	9/1	1005	Phila	New Orlns	Batteries	1005

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Number.	Date.	From or To—		Subject.		
637372	8/16	905	Boston	Inspr mat FR	Compensator	8-C-7
637958	8/16	910	Pug Snd	Balboa	Battery	793-8
637270	8/15	902	Phila	SO Washn	Receiver	898
637953	8/17	914	Boston	Inspr Todd	Compensators	4-C-7
637954	8/16	909	Portsmouth	CO	material	205-6
638499	8/21	915	Phila	Annapolis	microphone	797
639078	8/24	953	Pug Snd	NY	batteries	46-b-5
633380	8/26	916	Washn	Turkish Waters	Transmitters	876
625709	8/25	908	Boston	SO NY	material	588-6
625709	8/26	918	Ports	Co	antenna wire	588-6
601289	8/28	917	Washn	SO Norf	Amplifier	1010-771
637560	8/28	919	Phila	CO	batteries	882-1
629371	8/28	920	Phila	Inspr machy NL	batteries	123-0-6
628608	8/28	921	Hamp Rds	yards	material	251-6
638685	8/28	965	Washn	SO Balboa	Transformers	850
639523	8/29	966	USS CHAUMONT	Washn	Receiver	771-1018
639523	8/29	923	Washn	New York	Receiver	1018-771
639497	8/28	963	So Brook	Washn	Insulators	841
630719	8/30	971	Phila	FR	Coils	7-C-6
639641	8/29	970	S Brook	Phila	insulators	9-C-6
639640	8/29	969	H Rds	Phila	insulators	10-C-6

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Number.	Date.	From or To—		Subject.		
608344	8/12	862	Brook	Annapolis	sets	820
608344	8/12	863	Washn	Annapolis	material	820
636884	8/9	860	Washn	Norf	Arc Key	824
637141	8/12	888	Brook	St Augustine	spark gap	834
637134	8/12	866	Ports	SO Washn	Receivers	898
637140	8/12	871	Washn	Radio Va	Tubes	898
636503	8/12	891	Washn	SO Phila	Batteries	918
631164	8/15	896	Boston	New York	Generator	898
637135	8/12	867	Norfolk	Washington	Receivers	898
637136	8/12	868	Boston	Washington	Receivers	898
637137	8/12	869	Chasn	Washington	Receivers	898
636653	8/14	895	Anacostia	Santo Domingo City	Blanks & bands	1207
633905	8/12	893	New York	Washington	Receiver	342-6
637169	8/15	897	Washn	WHOMING	Vacuum tubes	488-6
635480	8/12	870	Norf	Pug Sound	Hand cart.	522-21
622979	8/15	900	NY	Hamp Rds	Transmitter	707-11
637950	8/15	907	Washn	SO NY	Batteries	46-B-6
613909	8/15	903	Phila	SO NY	screens	46-B-7
637953	8/16	906	Boston	Inspr Todd	Compensators	4-C-7
636313	8/15	894	Chasn	Pensacola	Key	823
637271	8/15	904	Washn	Pug Snd	Amplifiers	833
635634	8/15	901	Norf	SO Balboa	Cable	858

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Number.	Date.	From or To—		Subject.		
633923	7/21	770	NY	CO	battery	323-Q-6
633922	7/21	769	Washn	Radio Va	Transmitting set	841
630719	7/21	771	Phila	FR	Transmitters	7-C-6
634315	7/27	792	Boston	CO	material	133-6
634315	7/27	791	Phila	NOrf	material	133-6
634315	7/27	793	Washn	CO	material	133-6
634034	7/28	796	Boston	CO	battery	588-5
631832	7/28	798	Brook	Coast Guard curtis Bay	batteries	704
634609	7/28	795	Washn	SO Great Lakes	Arc Key	854
634608	7/28	794	Phila	SO	Equipmet	898
589868	7/31	815	NY	SO Washn	Receiver	240-Q-6
634581	7/31	814	Brook	CO	Spark gap	510-6
634677	7/31	813	Boston	CO	Hand Keys	699-771
634932	7/31	811	Phila	Pac Fleet	material	898
634928	7/28	797	Anacostia	Sante Domingo	feed	1207
634928	7/28	797	Anacostia	Sante Domingo	feed	1207
622183	7/31	817	CO	SO Washn	Receiver	16-K-6
622650	7/31	816	CO	SO Washn	Receiver	282-Q-5
633464	7/31	820	Boston	CO	Material	364-6
633464	7/31	822	Washn	CO	material	364-6
633464	7/31	819	Phila	CO	material	364-6
634669	7/31	818	Ports	SO Washn	Amplifiers	876

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Number.	Date.	From or To—		Subject.		
623593	8/1	827	Inspr NNs	Nerf	material	46-B-2
634933	7/31	812	Ports	CO	Field Set	212-6
622979	8/2	823	Washn	Hamp Rds	material	707-11
622979	8/2	824	Phila	Hamp Rds	material	707-11
622979	8/2	833	Annapolis	Hamp Rds	material	707-11
635689	8/5	837	Brook	9 Dist	Telephone	598-6
56303	8/5	838	Washn	Hammond Lab	Transformer	629
635223	8/5	836	Buffalo	SO NY	Wavemeter	1000
634738	8/4	834	Phila	Inspr Todd	coil system	4-C-6
42141	8/8	840	Phila	SO NY	Motor Generator	629
483308	8/7	857	NY	Nerf	Dies	689
627367	8/5	839	Annapolis	Ports	Telephones	797
635769	8/7	856	Hamp Rds	Depot QM Hamp Rds	Parts	761
636489	8/9	854	Washn	CO	Receivers	240-Q-6
612876	8/9	851	Washn	SO Pug Snd	material	167-6
635686	8/8	835	Washn	CO	tubes	592-6
633328	8/9	852	NY	yards listed	material	772
633328	8/9	853	NY	CO MARYLAND	material	772
636493	8/8	841	Boston	SO MI	Compensators	797
637064	8/11	879	NNs	NY	engines	48-B-5
625709	8/11	865	Ports	SO NY	Antenna wire	588-6
635486	8/12	855	Brook	SO P H	Insulators	88-O-6
613937	8/12	864	Washn	SO Pug Snd	material	167-6
633905	8/12	892	Washn	SO Phila	Receiver	342-6

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Number.	Date.	From or To—		Subject.		
633328	7/18	742	New York	NEVADA	Radio matl	772
633329	7/20	743	Washn.	Groton	Radio equipt	135-0-6
633330	7/20	744	Groton	Washn.	Radio equipt	135-0-6
633007	7/20	749	Mare Isl	PROTEUS	Wave meter	164-6
632981	7/19	746	Washn	NEVADA	vacuum tubes	133-6
633334	7/19	745	Washn	Norfolk	Radio Equipt.	772
623711	7/19	747	Phila	Boston	Radio Equipt.	797
623711	7/19	748	Annapolis	Boston	Radio Equipt.	797

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Number.	Date.	From or To—		Subject.		
632800	7/17	718	Washn	Cavite	Arc Keys	806
632801	7/17	719	Washn	Guam	Arc Relay Keys.	813
632804	7/17	722	Washn	San Diego	Spare Relay Keys.	830
632802	7/17	720	Washn	Relay Keys	Relay Keys	852
632803	7/17	721	Washn	M.I.	Relay Keys	920-16
623908	7/21	765	Annapolis	Forts	Head Telephones	105-0-7
632284	7/20	766	Boston	Groton	Transmitters	135-0-6
51452	7/20	764	New York	Washn	Radio set	629
51452	7/21	768	NY	Washn	Transmitter	629
633496	7/20	762	Washn	SO Cavite	batteries	806
633497	7/20	763	Washn	Cordova	Wavemeter	809

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Number.	Date.	From or To—		Subject.		
629726	6/30	630	Washing	Shanghai	Radio Materila	888
601165	6/30	627	So Brook	Washington	Radio Telephones	898
630432	6/30	626	San Diego	M.I.	Batteries	898
627513	7/1	631	Washnigton	USS CALIFORNIA	Transformers	592-6
629371	7/3	636	Washington	Groton	Receiv equipmt	123-0-6
630438	7/3	635	Wash	Boston	Radio matl	898
629247	7/1	633	Hartford	Phila	Moulds	672
630231	7/5	634	Phika	Pearl Harbor	Sound matl	852
630162	7/6	640	Wash	M.I.	n Transformers	904
627979	7/5	637	USS UTAH	Wash	Amplifier	455-27
631163	7/6	563	Camden	NY	Transmitting set	898
631164	7/6	654	NY	NY	"	898
631165	7/6	655	NY	NY	"	898
603682	7/7	639	Pug Snd	San Diego	Receivers	496
631161	7/5	638	Washn	So Pug Snd	Apparatus	833
630719	7/12	692	Phila	Inspr machy FR	material	7-C-6
632284	7/12	709	Boston	FR	transmitter	135-0-6
632132	7/12	705	Washn	CO	tubes	1-P-6
632126	7/12	695	Washn	MI	tubes	20-X-6
632128	7/12	697	Washn	Cavite	Tubes	367-6
632127	7/12	696	Washn	Norf	tubes	515-6

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Number.	Date.	From or To—		Subject.		
632123	7/12	657	Washn	Boston	Tubes	1016-771
631052	7/13	711	Brook	SO Balboa	Spark gap	850
631904	7/12	656	Washn	Inspr machy FR	tubes	898
631907	7/12	689	Brook	SO MI	Tubes	898
632124	7/12	694	Anacostia	SO Great Lakes	material	1207
630719	7/12	690	NY	FR	material	7-C-6
630719	7/12	691	Washn	inspr FR	material	7-C-6
632285	7/13	710	Washn	Inspr FR	Transmitters	158-C-6
631739	7/13	712	Washn	CO	Transformers	102-Q-6
631634	7/12	688	Wash	Point Isable	Receivers	853
632287	7/13	716	Wash	Wash	Matl	876
632287	7/13	715	Washn	Columbus	Matl	876
631858	7/13	713	S Brook	Ports	Insulators	911
616903	7/13	714	Phila	Bu Stands	Vacuum tubes	918
632457	7/15	723	Washn	CO	Driver	46-B-6
613937	7/14	717	Washn	SO Pug Snd	Voltmeter	167-6
631490	7/14	736	Phila	Cayey	Lathe	920-4
631788	7/17	739	Washn	CO	receiver	163-6
631586	7/17	741	Norf	CO	Material	164-6
631638	7/17	740	Washn	CO	material	515-6

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Number.	Date.	From or To—		Subject.		
54021	6/20	541	Annapolis	Phila	material	629
54021	6/19	534	Boston	Phila	Compensator	629
625211	6/21	545	Boston	SO Norf	Wire	586-6
54021	6/20	536	Annapolis	NL	material	629
628546	~~542~~ 6/21	542	P H	SO Cavite	Batteries	882-1
628546	6/21	544	Phila	SO Anacostia	radio set	918
628544	6/21	541	Phila	Virginia Beach	material	1034
618321	6/22	546	Washn	CO	Tubes	876
629076	6/22	548	MI	SO Balboa	Batteries	882-1
629074	6/22	543	NY	SO Phila	Transmitters	918
629075	6/22	547	San Diego	SO Phila	material	918
629371	6/23	560	Washn	FR	equipment	123-0-6
629372	6/23	561	Elec Boat Co	SO Washn	Receivers	127-0-6
629379	6/24	578	Boston	Inspr FR	Compensators	131-0-7
629539	6/24	580	Boston	NL	Compensators	140-0-7
629538	6/24	579	Boston	Inspr machy Union	Compensators	141-0-7
629370	6/23	550	Washn	Inspr FR	Equipment	153-0-6
627088	6/23	588	Norf	Great Lakes	Repairs	1-Z-8
628608	6/23	540	Hamp Rds	SO Phila	material	251-6
621107	6/26	585	Brook	SO Boston	Arc Set	1-F-6
628745	6/24	581	Washn	SO P H	insulators	92-0-6
629541	6/24	584	Ports	SO Washn	Receivers	185-6
42141	6/24	582	Phila	SO NY	Generators	629
56127	6/23	564	Washn	K & C Co	transmitter	629

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Number.	Date.	From or To—		Subject.		
629545	6/26	586	Washn	SO P H	Rectifier	852
629374	6/23	562	Norf	Cape May	Delco Unit	919-9
629375	6/23	563	Norf	Whitefish Point	Delco Unit	919-55
56127	6/27	597	Phila	SO Pug Snd	Transmitting	set 629
56127	6/27	587	Brook	SO Pug Snd	Transmitting	set 629
56127	6/27	596	Norf	SO Pug Snd	Transmitting	set 629
56127	6/27	594	MI	SO Pug Snd	transmitting	set 629
56127	6/27	593	Pensacola	SO Pug Snd	Transmitting	set 629
56127	6/27	598	Boston	SO Pug Snd	Transmitting	set 629
56127	6/27	595	Chasn	SO Pug Snd	Transmitting	set 629
595993	6/29	599	Chasn	SO Washn	Receiver	252-Q-6
629663	6/29	602	Washn	CO	Tubes	184-6
56127	6/27	592	Ports	SO Pug Snd	Transm set	629
629959	~~6/~~ 6/29	601	Brook	SO NO	spark gap	821
625642	6/29	603	Norf	SO Great Lakes	material	854
629797	6/29	600	Washn	Quantico	Tubes	918
627845	6/30	624	Boston	N London	Radio Matl	161-0-6
611436	6/30	622	Phila	Phila	Records	323-6
629988	6/30	623	So Brook	USS ARIZONA	Radio Tele	529-6
624474	6/30	625	Washington	New York	Receivers	1014-771
629943	6/30	621	Washington	Great Lakes	Spare parts	854
629726	6/30	629	Pearl Har.	Shanghai	Matl	868
629726	6/30	628	Cavite	Sahnghai	Batteries	868

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Number.	Date.	From or To—		Subject.		
606183	6/9	488	Phila	CO	Material	99-0-7
626386	6/8	460	Washn	NL	meter	99-0-6
626975	6/8	462	Phila	SO P H	plug	2-Z-7
623152	6/8	457	NY	SO Norf	Generator	1013-771
626971	6/8	459	Anacostia	Quantico	Transmitters	918
624792	6/9	470	Boston	Lake Co	Switches	116-Q-6
627228	6/10	469	NY	Comdr NL	Batteries	150-0-6
627359	6/10	476	Boston	NL	Switch	160-0-6
624792	6/9	471	Boston	NL	Switch	161-0-6
626974	6/8	461	Phila	SO MI	MV instln	261-Q-7
626833	6/8	458	Washn	SO NY	batteries	348-Q-6
624324	6/9	463	Washn	CO	Wavemeter	893-4
627232	6/9	473	Norfolk	SO Annapolis	Receivers	898
627231	6/9	472	Washn	SO MI	Condenser	900
626030	6/9	474	Washn	NL	Material	160-0-6
626030	6/9	475	Washn	Lake	Equipment	160-0-6
626122	6/12	484	Washn	MELVILLE	Tubes	791
627687	6/13	498	Washn	SO MI	Equipment	107-0-6
627365	6/12	486	Ports	inspr Lake	Batteries	159-0-6
627366	6/12	487	Ports	SO NL	"	161-0-6
626687	6/10	477	Guantanamo	SO Phila	material	689-20
627363	6/12	485	Parris Island	SO Phila	material	918
SICARD	ENG 151 6/12	489	Phila	CO	batteries	W R
628385	6/19	521	Phila	SO Anacostia	Fans	918

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Number.	Date.	From or To—		Subject.		
627686	6/12	497	Annapolis	SO NY	material	488-7
627689	6/12	490	Coco Solo	SO Phila	material	736-41
627690	6/13	491	Hamp Rds	SO Phila	material	736-34
627691	6/13	492	Pearl Harbor	SO Phila	material	736-60
627367	6/12	488	Annapolis	SO Ports	Telephones	797
627692	6/13	493	SO Guam	SO Aircraft Fac	material	918
627693	6/13	499	San Diego	SO Aircraft Fac	material	918
627842	6/14	500	Washn	SO Cavite	equipments	112-0-6
626203	6/15	513	Phila	SO Phila	batteries	61-771
627843	6/14	502	Washn	SO Anacostiaz	Tubes	898
554888	6/15	514	Bar Harbor	SO NY	Property	901
554888	6/15	515	NY	Rome	apparatus	901
623044	6/15	512	Washn	Bu Aeronautics	Tubes	918
625485	6/14	503	Anacostia	Cleveland	Pigeon boxes	918
627844	6/15	506	Anacostia	SO Washington	Receiver	918
628374	6/16	518	Washn	SO Cavite	Equipment	111-0-6
628541	6/19	532	Washn	Union	Equipment	141-0-6
628541	6/15	533	Union	SO Washn	Receiver	141-0-6
9009657	6/19	531	Washn	K&C Co	Receivers	706
628384	6/19	520	Washn	Key West	Rectifier	817
626563	6/17	516	Washn	Pensacola	Tubes	918
54021	6/19	535	Boston	NL	Compensators	629

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Number.	Date.	From or To—		Subject.		
624831	5/23	327	Phila	Long Island	intercommunication sets	918
615947	5/24	362	Key West	SO Washn	Wavemeter	1033
625164	5/26	382	Annapolis	SO NY	Apparatus	46-B-7
625164	5/26	381	Boston	SO NY	Compensator	46-B-7
619719	5/26	380	Brook	SO Bostonx	Transformer	369-6
625032	5/25	375	Norf	Quantico	Batteries	761
625032	5/25	377	Washn	Quantico	Material	761
625032	5/25	378	Phila	Quantico	material	761
617541	5/25	373	Washn	SO NY	Receiver	1015-771
625158	5/25	379	Annapolis	SO Phila	Sonic range finder	797
624981	5/24	368	Washn	SO Great Lakes	material	854
599193	5/25	369	Washn	CO	material	898
599193	5/25	370	Washn	CO	material	898
624984	5/25	374	Phila	SO Washn	Tubes	898
624983	5/25	372	Washn	SO MI	Parts	909
623470	5/17 (B D)	300	Norf	Bar Harbor	battery charging unit	919-3
623708	5/17	310	Norf	Beaufort	"	919-8
623707	5/17	309	Norf	Cape Henlopen	"	919-10
623702	5/17	301	Norf	Cape Elizabeth	"	919-12
623704	5/17	306	Norf	Deer Island	"	919-13
623706	5/17	308	Norf	Gloucester	"	919-16
623705	5/17	307	Norf	Humarock	"	919-19
623703	5/17	305	Norf	Newport	"	919-25

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Number.	Date.	From or To—		Subject.		
605536	5/27	385	Washn	S Phila	Receiver	1651-K-6
612876	5/26	383	NY	SO Pug Snd	material	167-6
624694	5/27	384	Washn	Washn	Amplifiers	x 918
613904	5/27	386	Norf	Chasm	Radio Telegraph	704
625415	5/27	390	Washn	SO NY	Receiver	342-Q-6
625414	5/27	391	Brook	CO	Condensers	28-S-6
556214	5/27	389	Washn	Annapolis	material	920-1
625179	5/31	407	Washn	Norf	Condenser units	689-12
625047	5/31	409	Boston	NL	battery	128-0-6
623875	5/31	410	Annapolis	Lake	material	159-0-7
625557	5/31	408	Phila	Coco Solo	antenna wire	590-6
626030	6/2	413	Washn	Lake	Tubes	160-0-6
626029	6/2	412	Washn	NL	Tubes	161-0-6
626028	6/1	411	Phila	Quantico	batteries	918
625553	6/2	393	Washn	New York City	Telegraph	591-6
620877	6/2	414	New York	So Brook	Batteries	882-1
626643	6/6	429	Washn	Lake Co	Insulators	160-0-6
626642	6/6	430	Washn	Newport	Receiver	219-Q-6
626667	6/6	431	Washn	Guam	Transformers	813
620146	6/6	415	Anaspstia	CO	Pigeons	1207
626668	6/6	432	Anacostia	CO	Pigeons	1207
626561	5/7	436	So Brook	TUSCARORA	Rheostat	704
626969	6/8	458	PH	SO Guam	apparatus	813

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Number.	Date.	From or To—		Subject.		
622656	5/12	274	Washn	SO NY	material	Q-6
622650	5/11	258	Washn	SO Phila	Receiver	282-Q-6
622654	5/12	260	Washn	San Diego	Material	830
520282	5/12	262	Washn	Haiti	apparatus	865
622655	5/13	261	Washn	SO Balboa	Amplifier	867
623044	5/13	276	Washn	Quantico	Tubes	918
622952	5/13	277	Washn	Paris	material	920
613904	5/15	278	Norf	Chasn	Joiners tools	704
613904	5/15	219	Chasn	Norf	Radio Compass	704
620003	5/15	295	Washn	Annapolis	material	797
623246	5/15	280	Ports	Annapolis	Generator	898
623246	5/15	293	Boston	Annapolis	Generator	898
623247	5/15	294	Washn	SOAnnapolis	Telephones	902
589868	5/16	299	Washn	CO	Receiver	240-Q-6
42141	5/17	312	Phila	SO NY	Arc Sets	629
623305	5/17	311	Washn	SO NY	material	772
621734	5/16	298	MI	So Pug Snd	Transmitters	898
621734	5/16	297	Brook	SO Norf	"	898
621734	5/16	296	Brook	SO Norf	Buzzer	898
623711	5/17	313	Phila	Boston	equipment	797
623519	5/18	318	Washn	SO 9 Dist	material	854
623906	5/18	319	Washn	SO Pug Snd	arc key	131-6
623548	5/18	321	Washn	SO Norf	batteries	251-5

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Number.	Date.	From or To—		Subject.		
623904	5/18	314	Brook	SO Norf	batteries	251-6
611174	5/18	322	Aircraft Fac	SO Phila	batteries	494
623522	5/18	320	Washn	CO	Receiver	61-771
612876	5/20	326	NY	SO Pug Snd	~~material~~	~~167-6~~
613937	5/20	325	Phila	SO Pug Snd	material	167-6
620873	5/24	361	Boston	SO Ports	Wire	105-0-6
623908	5/23	323	Annapolis	SO Ports	material	105-0-7
623909	5/23	324	Annapolis	SO MI	material	107-0-7
624833	5/24	366	Norf	CO	Telephones	364-6
624931	5/24	367	Phila	SO Annapolis	meters	321-6
592692	5/24	363	Washn	Washn (Sig Corp	Amplifier	727-1
624680	5/23	346	Washn	CO Hamp Rds	Amplifier	736-34
624679	5/23	345	Washn	SO Pensacola	Amplifier	736-38
624678	5/23	344	Washn	SO Balboa	Amplifier	736-41
624681	5/23	347	Washn	SO Anacostia	Amplifier	736-43
624474	5/24	360	Washn	SO NY	Receiver	1014-771
619626	5/23	357	Brook	SO Key West	Spark Gap	817
618171	5/24	359	Washn	Chicago	Receiver	854
618171	5/24	358	Washn	SO 9 Dist	Receiver	854
624682	5/23	348	Washn	Pacific Fleet	Amplifier	918
624683	5/23	355	Washn	Atlantic Air Detachment	Amplifier	918
624683	5/23	354	Washn	Atlantic Fleet	Amplifier	918
624684	5/23	356	Washn	SO Aircraft Fac	Amplifier	918

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Number.	Date.	From or To—		Subject.		
621139	5/3	185	Washn	Los Banos	Amplifier.	806
621144	5/2	190	Wash	Cordova	Amplifier	809
563272	5/2	184	Wash	Merigo	Amplifier	813
563277	5/2	183	Wash	Yerba Buena	Amplifier	842
621140	5/2	186	Wash	Vladivostok	Amplifier	920-13
621141	5/2	187	Wash	Cleveland	Amplifier	1004
621145	5/2	191	Wash	Los Angeles	Amplifier	1013
581481	5/3	195	Washn	SO Norf	Tubes	251-6
613296	5/4	196	Phila	SO P H	batteries	882-1
621296	5/3	193	Phila	SO NY	equipment	46-B-6
621296	5/3	194	Washn	SO NY	Equipment	46-B-6
621677	5/5	214	MI	Inspr machy Todd	material	5-C-6
621862	5/5	215	Phila	SO Norf	material	236-Q-7
621301	5/4	197	Norf	CO	telephone	1001-771
621673	5/5	202	Washn	S^{N} Juan	Amplifier	835
621303	5/4	198	Washn	SO Balboa	material	850
621676	5/5	213	Washn	Dahlgren	material	918
621672	5/4	201	Washn	Bar Harbor	material	920-2
621670	5/4	199	Washn	Hamp Rds	material	1038
621671	5/4	200	Washn	Dept	Amplifier	1047
621863	5/5	216	Phila	SO NY	material	231-Q-7
621659	5/6	228	Phila	SO Chasn	radio field set	222-6
613594	5/6	219	Annapolis	Washn	material	323-7
610153	5/5	212	Phila	SO NL	material	514-7

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Number.	Date.	From or To—		Subject.		
599132	5/6	229	MI	SO Washn	Wavemeter	898
621868	5/6	218	Boston	Medford Hillside	material	902
621867	5/6	217	Phila	SO Washn	invoice arc key	918
621756	5/8	231	Washn	Boston	Insulators	100-0-6
621869	5/8	227	Phila	CO	Material	251-6
47403	5/8	240	Washn	Quantico	Telephones	629
599132	5/8	234	Phila	SO Washn	Material	898
621227	5/8	230	Washn	SO Phila	Amplifiers	918
622150	5/8	233	Washn	SO Phila	Receivers	918
599132	5/8	235	Brook	SO Washn	Wavemeters	898
606243	5/6	220	Washn	Pac Fleet	Condensers	918
621869	5/6	221	Washn	CO	Material	251-6
622128	5/8	232	Washn	SO Phila	Insulators	101-0-6
599132	5/8	836	Norf	SO Washn	Wavemeters	898
622131	5/9	242	Washn	CO	plugs	130-6
621856	5/10	243	Washn	CO	galvanometer	321-4
573848	5/10	244	CO via Union	Washn	Receiver	898
622082	5/9	241	Aircraft Fac	SO Norf	material	1034
622087	5/11	256	Boston	SO Ports	Telephone	193-6
622433	5/10	257	NY	Brook	Transmitters	727-1
622183	5/11	259	Washn	SO Boston	material	16-K-6
622656	5/12	275	Washn	SO Norf	receivers	Q-6
622656	5/12	273	Washn	SO Phila	receivers	Q-6

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Number.	Date.	From or To—		Subject.		
619525	4/20	111	SO NY	SO Pug Snd	Insulators	911
619366	4/20	110	SO NY	O-I-C Bar Harbor	Equipment	920-2
615019	4/19	84	Washn	CO Quantico	Equipment	1050
602605	4/22	125	Hamp Rds	Washn	Telegraph	918
619531	4/22	117	Phila	FR	Sound Equipmt	158-0-7
619532	4/22	123	Phila	Ports	Oscillator	163-0-7
618541	4/22	113	Camden	Phila	Sound mtl	231-Q-7
618848	4/22	115	MI	USS FINCH	battery	9-S-5
618000	4/22	129	Chasn	NY	telegraph	876-SP
619719	4/22	124	Phila	Boston	Transformers	369-6
620097	4/24	130	Washn	Washn	Telegraph	704
565666	4/22	116	Phila	Dept	Ear Cups	736-43
619007	4/22	126	Washn	SO Pug Snd	material	809
619530	4/22	114	Washn	SO MI	Telegraphone	909
620024	4/24	128	Phila	SO Anacostia	Fands	918
620023	4/24	127	Washn	Annapolis	material	797
618087	4/25	132	Phila	Phila	Equipment	898
615929	4/26	138	Washn	SO Great Lakes	Tubes	919-1
619490	4/26	140	Aircraft Fac	SO Boston	Tubes	920-5
619490	4/26	139	Phila	SO Boston	Tubes	920-5
620146	4/25	137	Anacostia	SO Hamp Rds	Pigeons	1207
620539	4/26	151	Norf	Quantico	Batteries	607
620256	4/26	142	Washn	SO Pug Snd	Amplifier	833
620255	4/26	141	Washn	SO PugSnd	Amplifier	836
620603	4/26					

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Number.	Date.	From or To—		Subject.		
620603	4/26	143	Washn	MI	Apparatus	852
613040	4/27	157	MI	Pug Snd	Arc Set	898
620588	4/27	156	Washn	SO Pug Snd	Tube Detectors	898
620593	4/28	160	Washn	Bu Standards	phones	898
620586	4/27	155	Washn	Quantico	material	918
620589	4/27	159	Phila	SO Ports	Receivers	105-0-7
620589	4/27	158	Boston	SO Ports	Compensator	105-0-7
618998	4/28	161	Phila	SO Washn	Amplifier	747-15
620874	4/28	162	Washn	SO Hamp Rds	material	1011-771
618334	4/29	166	Washn	Dept	equipment	1047
620873	5/1	168	Boston	SO Ports	Transmitter	105-0-6
620873	5/1	167	Washn	SO Ports	Equipment	105-0-6
619701	5/1	169	Washn	Phila Cramps	Receivers	9-C-6
621136	5/1	170	Washn	SO P H	Insulators	88-0-6
595087	5/2	144	Annapolis	Lake	Material	797
621137	5/1	171	Phila	C&R	tubing	797
563271	5/2	173	Washn	Marshfield	Amplifier	801
621142	5/2	188	Washn	SO 9 Dist	Amplifier	854
520599	4/27	153	Washn	Coco Solo	Apparatus	867
571572	5/2	182	Washn	9 Dist	material	870
563263	5/1	172	Washn	Stations listed	Amplifiers	898
621143	5/2	189	Washn	SO Pug Snd	Amplifier	898
571571	5/2	154	Washn	Great Lakesz	material	1005

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Number.	Date.	From or To—		Subject.		
616887	4/10	19	Washn	SO P H	material	852
617998	4/12	38	Washn	Grand Marais	Equipment	919-65
617998	4/12	39	Phila	Grand Marais	Material	919-65
617998	4/12	40	NY	Grand Marais	material	919-65
618000	4/13	37	Chasn	CO	material	876-SP
54021	4/12	34	Boston	SO NL	Compensators	629
54021	4/13	48	Boston	FR	Compensator	629
613650	4/13	35	NYS	SO Phila	material	797
618003	4/13	47	Washn	Los Banos	Amplifier	806
608183	4/13	46	Washn	NO	Material	821
618169	4/13	49	Washn	Weston Elec Co	material	893
618001	4/13	41	MI	SO P H	Telephones	902
618002	4/13	45	Brook	SO P H	Spare parts	902
618174	4/13	51	Brook	SO Washn	Telephones	902
618175	4/13	52	Brook	CO	Telephones	902
617999	4/13	36	Washn	SO Anacostia	Driver	919
618176	4/13	53	Brook	CO	Telephones	902
618177	4/13	54	Brook	CO	"	902
618178	4/13	60	Brook	CO	"	902
618306	4/14	61	Brook	CO	"	902
618307	4/14	62	Brook	SO MI	"	902
618308	4/14	63	Brook	SO Pug Snd	"	902
618309	4/14	64	Brook	SO P H	"	902

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Number.	Date.	From or To—		Subject.		
618310	4/14	65	MI	CO	Telephones	902
618316	4/15	67	Washn	Chasn	Receiver	22-G-6
612888	4/15	68	So Brook	NY City	Telegraph	1017-771
618173	4/13	50	So Brook	Phila	Telephones	902
618311	4/14	66	MI	BUFFALO	Telephones	902
618244	4/15	80	Phila	Anacostia	Telegraph	917
543252	4/15	81	Inspr mat GE	Washn	Equipment	761
604347	4/15	69	Chatham	Inspr Newport	Pigeons	1207
619052	4/18	83	Brook	SO Pug Snd	Insulators	911
618488	4/18	82	Washn	QM Santo Domingo	Supplies	1207
518439	4/20	95	Washn	Lake	Insulators	162-0-6
619357	4/20	101	Washn	CO	material	292-Q-6
619113	4/20	96	Washn	CO	materialz	293-Q-6
619358	4/20	102	Washn	CO	material	295-Q-6
618635	4/20	108	Washn	SO Norf	material	336-Q-6
603682	4/20	98	Washn	To Yards-CO's listed	Receivers	496
603682	4/20	100	Washn	To Yards-CO's listed	Receivers	496
619527	4/21	112	Brook	CO Tampa	material	704
619361	4/20	97	MI	SO Pug Snd	material	895
602440	4/20	99	Washn	CO's listed	Receivers	898
619360	4/20	109	NY	SO MI	material	911

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Number.	Date.	From or To—		Subject.		
614125	4/7	4	Boston	SO Washn	Amplifier	289-Q-27
617190	4/7	9933	Hamp Rds	SO Norf	Receivers	898
597724	4/7	5	Virgin Is	SO Norf	Equipment	1-Z-8
615645	4/10	18	Norf	Norf	Equipmt	704
617381	4/7	8	Washn	CO	material	251-6
617381	4/7	6	Phila	SO Norf	instruments	251-6
617381	4/8	9	Hamp Rds	CO	Receivers	251-6
617381	4/7	7	Phila	SO Norf	material	251-6
616887	4/10	20	Phila	SO P H	Material	852
617385	4/8	11	Phila	CO Sumay Guam	equipment	918
617385	4/8	10	Phila	Pacific Fleet	Equipment	918
617385	4/8	13	Phila	SO P H	Equipment	918
617576	4/10	15	Washn	NNs	Transmitter	48-B-6
54021	4/10	26	Boston	SO NY	Compensator	629
54021	4/10	27	Annapolis	SO NY	Compensator	629
616887	4/10	16	Aircraft Fac	SO P H	material	852
617069	4/10	14	Washn	SO Anacostia	tubes	902
463145	4/10	24	Phila	SO Boston	Wire	907
463145	4/10	25	Phila	SO Ports	Wire	907
565790	4/10	23	Bar Harbor	SO Washn	tuner (barrage)	92-0-2
565790	4 /10	22	Washn	Boston	Recg set	920-2
565790	4/10	21	Washn	Bar Harbor	tuner	920-2

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Number.	Date.	From or To—		Subject.		
614385	3/28	9962	MI	Astoria	material	872
614834	3/28	9959	Washn	Dept Agril Washn	material	898
615676	3/28	9958	Phila	SO Washn	tubes	898
592729	3/28	9961	Washn	SO Anacostia	tube	918
615458	3/28	9956	GE	SO Aircraft Fac Phila	Equipments	918
616047	3/31	9977	Washn	Arlington	Tubes	841
616049	3/31	9979	Phila	SO P H	Material	869
615819	4/31	9976	Washn	Bu ~~Standar~~ Mines	tubes	898
616048	3/31	9978	Phila	SO Anacostia	Fans	918
616045	3/31	9968	Phila	Boston	Tubes	920-2
615452	3/28	9944	Pug Sd	Pearl Harbor	Radio Mtl	88-0-6
597621	3/31/	9969	Quincy	Boston	Radio Tele	123-0-6
597617	3/31	9970	Washn	Boston	Vacuum tubes	791
616849	4/4	9986	Phila	Washn	Radio Compass Loop parts	615-26
616645	4/4	9980	Norf	Norf	Radio appara	704
616646	4/4	9981	Washn	Curtis Bay	Radio Mtl	704
54021	4/4	9984	Boston	Lake	Compensator	629
54021	4/4	9985	Boston	SO Ports	Compensator	629
615991	4/5	9987	Washn	SO Phila	Receiver	1008-771
616902	4/6	9991	Norfolk	Newport	Equipment	797
616902	4/6	9990	Norfolk	Alexandria	tubes	797
607126	4/5	9989	Anacostia	Lakehurst	Feed	1207
608126	4/5	9988	Anacostia	SO Lakehurst	Pigeons	1207

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Number.	Date.	From or To—		Subject.		
603865	3/16	9898	CO NY	SO Washn	material	99-0-6
50450	3/15	9888	GE	Washn	equipment	629
50450	3/15	9889	GE	SO Phila	Equipment	629
613078	3/14	9878	Ports	SO Boston	material	1011-771
612888	3/14	9876	Brook	CO DENEBOLA	coil	1017-771
613754	3/16	9899	Washn	SO Pug Snd	Keys	898
613753	3/16	9891	Washn	Washn	Amplifier	918
613046	3/15	9890	Washn	Annapolis	Sheath	920-1
613343	3/15	9879	Washn	Washington	Equipment	704
609009	3/16	9900	Washn	CO	Amplifier	498-6
613757	3/17	9901	Washn	SO NY	Arc Keys	898
614058	3/18	9905	Phila	SO P H	Batteries	882-1
614058	3/18	9904	Phila	SO Tutuila	batteries	882-1
550031	3/17	9902	CO	SO Washn	material	898
614384	3/20	9908	Washn	North Head	material	825
614058	3/18	9907	Phila	SO Cavite	Batteries	882-1
614058	3/18	9906	Phila	SO Guam	Batteries	882-1
614058	3/18	9903	Phila	SO Pug Snd	Batteries	882-1
50450	3/21	9923	GE	SO Washn	equipment	629
51457	3/20	9915	Phila	SO Norf	telegraphs	629
614385	3/20	9909	MI	Astoria	material	872
614385	3/20	9910	MI	SO Pug Snd	material	872
614387	3/21	9911	Phila	SO Tutuila	batteries	846

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Number.	Date.	From or To—		Subject.		
603677	3/23	9925	Brook	SO Chasn	transmitter	21-G-6
614581	3/22	9924	Phila	Pug Snd	sound Instln	797
614387	3/21	9911	Phila	SO Tutuila	batteries	846
50450	3/23	9932	GE	Dept	equipments	629
50450	3/23	9931	GE	Dept	trans equipment	629
610261?	3/23	9928	Washn	SO 9 Dist	material	707-11
614844	3/23	9926	Washn	SO Tutuila	material	846
614847	3/24	9937	Boston	SO Phila	receivers	918
614848	3/24	9936	Washn	SO Phila	receivers	918
612923	3/23	9934	Phila	SO Washn	material	323-6
613594	3/24	9939	Annapolis	SO Washn	material	323-7
614845	3/23	9927	Wasn	SO Anacostia	materialx	736-43
614850	3/24	9938	Washn	SO Sub Base	Amplifier	898
614780	3/24	9940	Phila	SO Washn	material	323-6
554125	3/27	9941	Washn	Key West	Apparatus	919-63
615451	3/28	9943	Brook	SO Norf	Insulators	1658-K-6
613860	3/27	9955	Phila	SO Norf	Receivers	595-7
615447	3/27	9942	Phila	Point Isabel	batteriesz	853
615458	3/28	9956	GE	SO Phila	Equipments	918
614849	3/27	9935	Anacostia	Santo Domingo	Pigeons	1207
611436	3/28	9960	Phila	Dept	Records	323-6
614780	3/29	9967	Phila	SO NY	Material	323-6
580515	3/28	9957	Brook	Pt Isabel	coils	853

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Number.	Date.	From or To—		Subject.		
611737	3;2	9801	Washn	Pug Sd shipment of arc sets & Amplifier		895
610326	3/4	9816	Washn	CO	Condensers	251-6
606179	3/3	9806	Great Lakes	SO Washn.	Amplifiers	898
318197	3/4	9817	San Diego	SO Pug Snd	Tubes	918
610622	3/2	9812	Phila	Hamp Rds	Material	918
610622	3/2	9811	Brook	Hamp Rds	Material	918
603935	3/3	9805	Chatham	CO Anacostia	Pigeons	1207
318197	3/4	9817	San Diego	MI	Tubes	918
610552	3/4	9819	Phila	SO MI	Generator sets	83-0-7
611747	3/4	9820	Phila	Washn	stethoscopes	797
611746	3/4	9809	Washn	Bu Standards	Receiver	919
611746	3/4	9807	Washn	SO Anacostia	Receiver	919
612228	3/7	9827	Washn	C CO	tube Sets	157-Q-6
548281	3/8	9829	S Domingo	SO Washn	Wavemeter	865
612664	3/8	9831	Boston	Santo Domingo	Condensers	865
612644	3/8	9830	Washn	Santo Domingo	Wavemeter	865
610984	3/8	9828	Brook	SO Washn	Material	898
612666	3/9	9841	Phila	Great Lakes	Tubes	898
612667	3/9	9842	Phila	SO P S-MI-Phila	Tubes	898
612668	3/9	9845	Phila	SO San Diego	Tubes	898
612668	3/9	9844	Phila	SO Pensa	Tubes	898
612668	3/9	9843	Phila	CO Coco Solo	Tubes	898
606184	3/10	9855	Phila	CO	material	1652-K-6

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Number.	Date.	From or To—		Subject.		
606538	3/10	9851	Phila	SO NY	material	797
592981	3/10	9853	Washn	Annapolis	material	920-1
612671	3/10	9847	Inspr mat Bos	t MI	Compensator	107-0-7
612923	3/11	9852	Phila	SO Washn	material	323-6
612875	3/10	9858	Phila	SO NY	tubes	898
539858	3/10	9854	Washn	SO MI	receivers	919-1
539859	3/10	9856	Washn	SO Pug Snd	Receivers	919-1
539861	3/10	9857	Washn	SO Phila	Receivers	919-1
612921	3/10	9848	Phila	Boston	Telegraph	704
606243	3/13	9860	Washn	SO San Diego	condensers	918
612670	3/11	9846	Washn	Hamp Rds	Equipments	918
613125	3/11	9859	Washn	Pacific Fleet	Transformers	918
603125	3/13	9870	Washn	Hamp Roads	Equipment	421-6
544828	3/14	9872	Washn	Union	motor Buzzer	704
613043	3/14	9877	Phila	SO Norf	Radio compass	704
544446	3/13	9863	NY	SO Washn	Material	747-11
613078	3/14	9875	Washn	SO Boston	Receiver	1011-771
613040	3/13	9861	MI	SO Pug Snd	Arc Sets	896
550031	3/13	9862	Annapolis	SO Washington	Transmitter	898
612982	3/13	9871	Phila	SO Washn	Receivers	898
613041	3/14	9873	Norf	SO Washn	Transformers	904
613343	3/15	9870	Washn	Washn	Radio Tele	704

Number.	Date.	From or To—		Subject.		
610982	2;24	9776	Pearl Harbor	Washn Yd	Receivers	898
610982	2;24	9749	M IS	Washn Yd	Receivers	898
610982	2;24	9772	Boston	Washn Yd	Receivers	898
610982	2;24	9775	Pug Sd	Washn Yd	Receivers	898
610982	2;24	9774	Phila	Washn Yd	Receivers	898
610984	2;24	9783	So Brookn	Washn Yd	Amplifiers	898
610984	2;24	9782	NY	Washn Yd	Amplifiers	898
610987	2;25	9784	NY	Pearl Harbor	Insulators	911
611110	2;28	9748	Washn	Lakehurst	field coil	1049
607497	2;27	9794	Norf	Washn	transformer	882-3
550031	2;25	9787	NY	Washn	transmitter	898

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RADIO SHIPMENT ORDERS 1922

Number.	Date.	From or To—		Subject.		
610662	2;25	9789	Phila	Ham Rds	radio matl	918
610662	2;25	9788	Washn	Ham Rds	vacuum tubes	918
610662	2;25	9790	Ham Rds	Air Det Langly Fld	amplifiers	918
611106	2;25	9786	Washn	Cavite	Transformers	898
611112	2;27	9791	N Orleans	Washn	receivers	898
611427	2;27	9792	N London	Washn	amplifiers	898
611430	2;27	9793	Washn	Grt Lakes	vacuum tubes	898
611434	2;28	9797	Washn	Guam	transformers	898
611055	2;28	9768	Norf	Brookn	Blowers.	2-Z-10
607515	3/1	9800	Boston	Anacostia	Radio Telegraph	689
611281	3;1	9798	M IS	NEW MEXICO	Storage batteries	554-6

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RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—		Subject.		
603677	2/9	9690	Chasn	CO Washn	Receiver	21-G-6
603677	2/9	9689	Washn	SO Chasn	Receiver	21-G-6
608343	2/9	9686	Washn	SO Norf	Receiver	1656-K-6
608341	2/9	9681	Phila	Div 9	Valves	87-O-7
604930	2/9	9682	Brook	CO	Receiver	1000-771
608183	2/13	9692	Washn	SO NO	Material	821
609009	2/13	9697	Washn	SO MI	material	898
609008	2/13	9693	Anacostia	SO Hamp Rds	pigeon supplies	1207
608228	2/14	9706	Lake	SO Boston	Condensers	159-O-6
609330	2/14	9711	Brook	CO	Gap Gaskets	237-Q-6
608345	2/13	9688	Washn	SO Pensacola	Receivers	736-38
596217	2/13	9701	Brook	Ship Owners Radio svc	Material	771-2
608347	2/13	9691	Washn	SO Anacostia	Tubes	898
609492	2/14	9710	Great Lakes	Brook	spark gaps	898
608782	2/13	9699	Washn	CO Phila	Equipment	916-5
609010	2/13	9700	Hamp Rds	SO Pensacola	Equipment	918
589871	2/14	9712	Great Lakes	SO Phila	Key	1004
607826	2/14	9707	NYS	SO Phila	Oscillators	45-B-7
608633	2/15	9714	Washn	SO Norf	Material	1657-K-6
34287	2/14	9713	Boston	CO Annapolis	amplifiers	629
609632	2/15	9715	Washn	SOSNorf	material	824
609497	2/15	9698	Washn	Astoria	material	872
609633	2/15	9718	Phila	SO Washn	batteries	882-1
608347	2/13	9691	Washn	SO Anacostia	tubes	898

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RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—		Subject.		
609491	2/14	9709	Washn	SO Boston	Tubes	898
609010	2/13	9700	Hamp Rds	SO Pensacola	Equipment	918
609489	2/16	9719	Washn	SO Chasn	Insulators	807
589804	2/16	9721	Washn SO	Yard Washn	Receiving unit	898
609556	2/16	9722	Phila	SO Washn	Vacuum tubes	898
610083	2-18	9739	Wash	UTAH	"B" Batteries	455-6
608336	2/18	9742	Phila	Hamp Rds	Radio Telegraph	918
608336	2/18	9740	Phila	Reid	Radio Telegraph	818
42141	2/20	9745	So Brook	Annapolis	Radio Telegraph	629
599640	2;20	9743	Washn	Norf	transformers	904
608336	2;18	9741	Washn	Marine Corp Reid, Va	Radio matl	918
608336	2;18	9744	Washn	Ham Rds	Radio tel matl	918
610733	2;23	9746	Chasn	Washn Yd	radio receiver	898
610982	2;24	9773	Norf	Washn Yd	radio receiver	898
610898	2;23	9749	Boston SO	Boston Washn Yd SO	receivers	919

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RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—		Subject.		
605586	1/21	9515	Washn	Todd	Arc Key	4-C-6
605585	1/21	9514	Washn	Cramps	arc keys	9-C-6
605284	1/24	9587	Washn	SO MI	Transformers	806
606309	1/25	9589	Norf	Anacostia	Batteries	607
605587	1/21	9517	Washn	Anacostia	material	898
606181	1/26	9589	Washn	Todd	buzzer	4-C-6
606184	1/26	9593	Phila	SO Norf	material	1652-K-6
606184	1/26	9592	Washn	SO Norf	equipment	1652-K-6
606186	1/26	9603	Washn	SO Phila	Equipment	1005-771
606185	1/26	9594	Phila	SO Washn	Amplifier	898
591975	1/25	9575	Phila	Atl Fleet	Equipment	918
606180	1-26	9588	Phila	New York	Screens	46-B-7
606183	1-26	9591	Phila	New London	Sound receiver	99-O-7
595152	1/27	9617	Washn	SO NY	Condenser	1-P-6
605588	1/26	9571	Phila	SO P H	Tubes	797
606164	1/27	9606	Washn	CO	Transformers	918
Ea:						
605588	1/28	9573	Phila	Inspr Union	Tubes	797
606185	1/28	9602	Norf	SO Washn	Amplifiers	898
606185	1/28	9601	Ports	SO Washn	Amplifiers	898
605741	1/26	9605	NY	SOChasn	Cable	919-80
603305	1/31	9621	Washn	CO's listed	Amplifiers	78-O-6
603305	1/31	9620	Washn	CO's listed	Amplifiers	78-O-6

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RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—		Subject.		
606869	1/31	9623	Washn	Santo Domingo	Equipment	1-Z-6
607255	2/1	9631	Boston	SO Washn	Amplifiers	898
607256	2/1	9632	Virgin Island	Santo Domingo	Material	1-Z-6
604887	2/1	9636	Annapolis	CO Anacostia	Generator	882-3
605642	2/1	9630	Phila	Bu of Standards	Wire	916
603861	2/2	9643	Brook	Phila	Material	918
607444	2/2	9637	Phila	SO Pensacola	Material	918
607198	2/2	9641	MI	SO Pug Snd	Buzzer	898
607198	2/2	9642	Phila-	SO Pug Snd	buzzers	898
603305	2/3	9643	Washn	Div 9	Amplifiers	78-0-6
607504	2/3	9657	Washn	CO	material	86-0-6
607258	2/1	9635	Boston	SO NL	Compensator	99-0-7
606530	2/1	9633?	Boston	SO Ports	Compensator	115-0-7
607257	2/1	9634	Boston	Lake	Compensator	159-0-7
607125	2/7	9679	Washn	SO Phila	Receiver	1651-K-6
608332	2/7	9661	Washn	Inspr Lake	Equipment	161-0-6
608338	2/8	9680	Washn	CO	Receivers	1009-771
607530	2/7	9659	Brook	Point Isabel	Spark Gap	853
608064	2/7	9660	Hamp Rds	Pensacola	material	918
608333	2/7	9678	Anacostia	Santo Domingo	Pig. supplies	1207
608344	2/9	9687	Washington	Annapolis	Material	820

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Number.	Date.	From or To—		Subject.		
602821	1/5	9469	Washn	CO Balboa	material	898
601553	1/7	9488	Phila	Comdt Phila	sound tubes	421-7 W
600302	1/6	9473	Norf	SO Phila	instruments	797
603038	1/7	9474	Boston	SO 15 Dist	Condensers	882-1
603306	1/7	9486	Washn	Atl Fleet	Material	918
603306	1/7	9485	Phila	Atl Fleet	material	918
602605	1/7	9456	Hamp Rds	CO Hamp Rds	material	918
603311	1/9	9497	Phila	Norf	tubes	1034
54021	1/9	9496	Annapolis	GE Co	Compensator	629
603936	1/11	9518	Anacostia	Pacific Fleet	material	918
603504	1/12	9529	Pug Snd	CO	material	116-Q-6
603682	1/11	9499	Washn	CO Listed	Receivers	496
"	1/11	9500	W "	"	"	496
"	1/11	9501	"	"	"	496
"	1/11	9498	"	"	"	496
603988	1/11	9525	Phila	NL"	Valves	797
603988	1/11	9526	"	PH "	"	797
603988	1/11	9524	"	Ports	"	797
603988	1/11	9523	Phila	SO Norf	Valves	797
603988	1/11	9522	Phila	SO MI	Valves	797
603988	1/11	9527	Phila	SO San Pedro	Valves	797
603988	1/11	9528	Phila	SO Coco Solo	Valves	797
318197	1/12	9489	Dahlgren	Hamp Rds	material	918
603859	1/12	9502	NY	Bar Harbor	material	920-2

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Number.	Date.	From or To—		Subject.		
569182	1/12	9535	Phila	Cramps	Material	797
569182	1/12	9533	Phila	Todd	material	797
569182	1/12	9534	Phila	FR	material	797
595967	1/13	9542	NY	SO ship	machine	1206
603868	1/12	9516	NY	Point Isabel	material	853
543897	1/13	9537	Phila	San Diego	Radio Tele	689
597617	1/13	9541	Washn	Comdt Washn	material	791
597617	1/13	9540	SO Phila	Aircraft Rac Mgr	Dynamotors	791
603988	1/13	9536	SO Phila	Comdt Phila	flapper valve	797
596544	1/13	9539	Washn	Key West	Spare	817
603996	1/13	9538	Boston	Bu Standards	wire	916
604693	1/16	9557?	Hamp Rds	SO Annapolis	Searchlight	920-1
604893	1/18	9563	Brook	SO Pug Snd	material	4-C-6
604892	1/18	9547	Brook	SO Pug Snd	equipment	1-R-6
604892	1/18	9546	Washn	SO Pug Snd	Equipment	1-R-6
569747	1/18	9545	Phila	Omaha	Telephone	902
603094	1/19	9507	Phila	CO Anacostia	Condenser	747-15
597617	1/19	9544	Phila	SO Boston	equipment	791
603865	1/19	9506	Washn	Anacostia	material	918
603094	1/19	9505	Phila	Bu of Standards	wavemeters	747-15
603988	1/19	9548	Phila	SO COco SOlo	valves	797
603988	1/19	9504	Phila	SO Norf	Valves	797
604890	1/20	9513	Annapolis	Cambridge	Compensators	797

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Number.	Date.	From or To—		Subject.		
54124	12/12	9359	GE	SO NY	Generator	629
501795	12/14	9360	Pug Snd	CO TEXAS ships listed	receivers	898
600290	12/14	9362	Phila	SO NY	Tubes	898
599689	12/14	9361	Phila	SO Boston	tubes	920-2
600299	12/15	9378	Washn	CO	apparatus	254-771
595967	12/15	9382	Ports	SO NY	machine	1206
42141	12/19	9379	Brook	SO NY	arc Sets	689
582456						
600795	12/21	9381	Washn	Co's listed	material	554-7
600507	12/23	9398	Washn	SO P H	amplifiers	852
543897	12/23	9396	S Brook	Washington	telegraph mtl	689
601846	12/27	9409	Annapolis	CO	Sound Sonic Range Finder	323-7
597617	12/23	9400	Washn	SO Boston	material	791
597617	12/23	9399	Phila	SO Boston	dynamotors	791
556214	12/23	9401	Washn	Annapolis	material	920-1
589868	12/28	9413	NY	Washn	Receivers	240-Q-6
601954	12/28	9412	Great Lakes	SO Boston	material	882-1
600810	12/29	9414	Washn	CO	receiver	425-6
601847	12/27	9410	Balboa	SO Phila	material	736-41
601848	12/28	9411	GE	CO	Equipment	736-43
588911	12/29	9415	Pug Snd	CO	material	898
602178	12/29	9417	Phil	Quantico	material	918
602179	12/29	9416	Washn	SO Hamp Rds	Pigeon loft	1207

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Number.	Date.	From or To—		Subject.		
602510	1/3	To S&A	9449	Reqst shipmt of Arc Carbons from Washn to SO W		167-6
602441	12/31	9427	Phila	Hamp Rds	material	918
602514	12/31	9450	Boston	SO NY	machine	1206
602433	1/3	9430	Boston	SO Pug Snd	material	4-C-6
602447	1/3	9447	Washn	SO Pug Snd	equipment	4-C-6
602448	1/3	9448	Washn	Inspr Cramps	Equipment	9-C-6
542370	1/3	9429	NI	SO Pug Snd	transmitter	289-6
602446	1/3	9446	Phila	SO 15 Dist	material	882-1
602440	1/3	9418	Washn	CO ships listed	receivers	898
602440	1/3	9419	Boston	CO Ships listed	Receivers	898
602442	1/3	9428	Phila	SO Pug Snd	insulators	911
602444	1/3	9444	Washn	SO Pug Snd	insulators	911
602605	1/4	9456	Hamp Rds	Atl Fleet- Hamp Rds	material	918
600610	1/5	9459	Phila	SO Washn	motor buzzer	747-15
602445	1/3	9445	Washn	CO	buzzer blinkerset	699-771
601954	12/31	9451	9 Dist	SO Phila	batteries	882-1
602819	1/5	9457	Boston	SO Washn	Condensers	882-1
55327	1/5	9458	Washn	Natl ElEc Co	Receivers	629
603125	1/5	9472	Washn	SO Norf	Equipment	421-6
603303	1/6	9476	Washn	Washington	Batteries	459-6
602969	1/5	9470	Phila	CO	Condenser	563-6
602662	1/5	9471	Phila	NL	Battery	574-6
603124	1/5	9460	Washn	CO Anacostia	amplifiers	736-43

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Number.	Date.	From or To—		Subject.		
597098	11/26	9253	NY	SO Washn	material	324-6
597402	11/28	9196	Washn	Lake	transmitter	159-0-6
597669	11/28	9273	Washn	CO	material	228-Q-6
589872	11/29	9274	Washn	NL	material	86-0-6
597448	11/29	9282	Washn	CO	material	244-Q-6
596410	11/30	9284	Washn	Pug Snd	apparatus	573-6
592929	11/29	9259	Ports	SO NY	machine	1206
592475	12/1	9294	Boston	SO Anacostia	Cable	916
570412	12/1	9296	NO	DO NY	machine	1206
589872	12/2	9286	Washn	CO	Tubes	86-0-6
597682	12/2	9285	Washn	Anacostia	Condenser	817
581368	12/2	9298	Brook	SO Phila	Spark Gap	828
589872	12/6	9323	Washn	NL	material	86-0-6
596373	12/6	9320	Washn	SO Pug Snd	material	573-6
598358	12/5	9301	Phila	SO Pensacola	material	736-38
598359	12/6	9321	Washn	Anacostia	material	817
598302	12/6	9318	NY	Lowenstein Radio CO	Buzzers	898
598207	12/5	9302	Washn	Pt Lookout	transformers	1034
597465	12/5	9312	Phila	SO ship	battery	232-Q-6
50450	12/7	9325	Washn	Pacific Fleet via Union	material	629
595992	12/7	9324	Washn	CO	material	254-771
598360	12/6	9322	NY	SO Washn	Equipment	787-1
50450	12/7	9336	GE	Anacostia	equipment	629

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Number.	Date.	From or To—		Subject.		
598092	12/8	9341	MI	SO Ship	batteries	116-Q-6
598714	12/9	9352	Hamp Rds	Santo Domingo	armature	611-6
599195	12/9	9339	Washn	SO NY	material	46-B-6
599020	12/9	9345	Washn	SO Norf	receiver	165-Q-6
598490	12/10	9347	Washn	SO Phila	material	23-S-6
599194	12/9	9338	Washn	SO Boston	equipment	455-6
599196	12/9	9340	Washn	SO NY	material	488-6
596503	12/10	9351	Annapolis	CO	material	488-7
599406	12/10	9349	Norf	CO	phonograph records	797
595531	12/8	9337	Washn	Union	tubes	898
599193	12/8	9344	Washn	Pacific Fleet	material	898
568623	12/10	9346	Atl Fleet	SO Aircraft Fac	material	918
568870	12/10	9348	Phila	SO Boston	tubes	918
598207	12/10	9350	Washn	Norf	transformers	1034
598868	12/10	9353	Washn	SO MI	receivers	240-Q-6
599680	12/10	9355	Brook	SO Great Lakes	Spark gap	854
599640	12/10	9356	Washn	SO Norf	Transformers	904
594662	12/10	9354	Boston	GE	Receiver	898
598408	12/12	9357	NY	Sayville	material	920-8
600296	12/15	9377	Washn	SO	receivers	205-6
600293	12/15	9363	Washn	SO	Receiver	488-6
50450	12/14	9319	Phila	GE	equipments	629

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Number.	Date.	From or To—		Subject.		
594008	11/7	9111	Washn	SO Ports	Apparatus	589-6
594478	11/7	9124	Brook	SO Ports	meter Buzzers	80-X-6
589868	11/8	9125	Washn	SO MI	material	240-Q-6
581481	11/8	9132	Phila	SO Nerf	material	251-6
581481	11/8	9126	Washn	SO Nerf	material	251-6
564968	11/8	9140	Washn	NNs (See S Rqst)	spare parts	771-2
573945	11/8	9141	Phila	Pug Snd	material	918
594320	11/8	9133	Sayville	Washington	wavemeter	920-8
594487	11/9	9147	Washn	Lake Co	equipment	159-0-6
594486	11/9	9146	Washn	Lake Co	Coils	161-0-6
594481	11/8	9135	Washn	CO	material	233-6
594482	11/8	9136	Washn	SO NY	material	898
595029	11/10	9158	MI	FleetPacific via Union	material	898
595530	11/14	9191	Washn	NY	material	343-Q-6
595530	11/14	9182?	NY	Washington	material	343-Q-6
588631	11/14	9183	Great Lakes	SO Boston	material	854
591339	11/14	9160	Washn	Phila	batteries	882-1
595144	11/14	9161	Washn	Brook	batteries	882-1
595526	11/14	9187 ?	MI	SO Cavite	batteries	882-1
595531	11/16	9197	Washn	Pacific Fleet	Tubes	898
595376	11/16	9198	Brook	Bar Harbor	material	920-2
595532	11/16	9199	Washn	San Juan	material	835
596112	11/17	9211	Phila	Washn	Searchlights	1214

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1921

Number.	Date.	From or To—		Subject.		
596393	11/19	9223	Brook	Inspr Todd	Amplifierx	4-C-6
596393	11/19	9224	Washn	Pug Snd	Receiver	4-C-6
595993	11/18	9215	Wahn	Chasn	Equipment	252-Q-6
595993	11/18	9216	Chasn	SO Washn	Receiver	252-Q-6
595998	11/18	VOID				
596504	11/19	9229	NY	Bu Standards	wavemeter	893-4
592383	11/19	9223	Chasn	Washington	Amplifiers	898
573845	11/19	9219	Phila	MI	material	918
573845	11/19	9222	Phila	PH	material	918
591975	11/18	9217	Phila	Atl Fleet	Equipment	918
596508	11/21	9230	Phila	SO MI	Material	852
596509	11/21	9231	MI	SO Pug Snd	batteries	882-1
590515	11/22	9238	Hamp Rds	USS CUYAMA	lathe	576-18
596933	11/22	9241	Washn	SO MI	Condensers	882-1
596936	11/23	9232	Washn	SO Chasn	material	898
596629	11/22	9233	Norf	SO Washn	Generatorx	916
596957	11/23	9250	Washn	CO	material	455-6
568996	11/22	9243 VOID	Ports	SO NL	modifier for receiver	497
596633	11/25	9252	Washn	SO MI	transformers	898
597099	11/26	9253	Washn	Bu Eng Washn	Receiver	898
596703	11/26	9267	Norf	CO	Tube Detector	34-N-6
596639	11/26	9268	MI	SO P H	material	111-Q-6
597098	11/26	9254	Washn	CO	material	324-6

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Number.	Date.	From or To—		Subject.		
583407	10/19	9022	MI	SO P H	material	88-0-6
590928	10/19	9023	Boston	SO P H	material	88-0-6
589985	10/20	9030	Washn	CO	receiver	80-X-6
591311	10/21	9045	Boston	CO	material	529-6
587878	10/21	9032	Norf	15 Disat	material	882-3
587878	10/21	9033	Phila	15 Dist	meter Gen	882-3
591339	10/21	9034	Washn	SO Phila	batteries	882-1
591340	10/21	9043	Washn	SO MI	batteries	882-1
271060	10/25	9061	Ports	NY	Elec Mtl	731
591977	10/25	9023	Washn	SO Ports	receivers	588-6
573845	10/24	9020	Phila	SO MI	material	918
573845	10/24	9021	Phila	SO Pug Snd	material	918
573845	10/24	9019	Phila	SO P H	material	918
590923	10/19	9008	Washn	Sayville	wavemeter	920-8
590848	10/25	9059	NY	Washn	searchlights	1214
591980	10/25	9054	Washn	CO	battery	24-K-6
591983	10/25	9057	Ports	SO Washn	receivers	588-6
591981	10/25	9055(65) ?	Chasn	SO Phila	battery	882-1
587225	10/26	9063	Washn	SO Ports	material	898
592373	10/25	9058	Chasn	SO Washn	amplifiers	898
592374	10/25	9062	Washn	Companies listed	instruments	900
591982	10/25	9056	Washn	SO Annapolis	material	920-1
589868	10/27	9077	Washn	SO Boston	material	240-Q-6

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Number.	Date.	From or To—		Subject.		
589868	10/28	9081	Washn	Boston	material	240-Q-6
592570	10/28	9080	NY	North head	cable wire	825
592670	10/28	9079	Washn	Peking	pump meter	857
592751	10/29	9082	Phila	Dahlgren	Apparatus	918
580044	10/26	9071	NY	SO Ship	machine	1206
580044	10/26	9070	Rockaway	Beach SO NY	machine	1206
591982	10/29	9087	Washn	Annapolis	magnets	920-1
592981	10/31	9895	Washn	SO Annapolis	material	920-1
592865	10/29	9084	Boston	Washn	material	1213
593073	11/1	9090	Washn	CO	material	455-6
592996	11/1	9089	Washn	Dept	material	876
592995	11/1	9088	Anacostia	Quantico	pigeons	1207
593426	11/2	9091	Washn	SO Ports	material	588-6
593426	11/2	9095	Boston	SO Ports	material	588-6
593558	11/2	9098	Washn	SO P H	material	8988
593664	11/2	9096	NY	SO Washn	material	893
593665	11/2	9097	Phila	SO Washn	material	893
569382	11/3	9099	Washn	CO	decremeter	554-6
590050	11/3	9107	Phila	San Diego	material	918
579769	11/4	9108	Phila	Pearl Harbor	sound	2-3-7
593901	11/4	9109	Annapolis	SO NY	material	488-6
593904	11/4	9110	Washn	Peking	receivg set	857

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Number.	Date.	From or To—		Subject.		
565676	10/1	8892	Washn	MI	long wave receiver	857
588227	9/30	8911	Phila	Baltimore	batteries	874
588026	10/1	8882	Phila	Annapolis	Wavemeters	893-4
588027	10/1	8883	Washn	SO Norf	Receiver	898
58004	10/1	8889	NO	SO NY	machine and accessories	1206
588156	10/3	8894	Washn	SO MI	Equipment	857
"	10/3	8895	MI	Peking	Equipment	857
"	10/3	8896	Phila	SO MI	equipment	857
588025	10/1	8893	Washn	Washn	Wave Receiving set	1047
587878	10/5	8920	Norf	Balboa	Material	882-3
588157	10/6	8927	Wash	New York	Ballast Lamps	711-5
588513	10/3	8921	Wash	Pug Sd	Grid Leaks	689-17
588168	10/6	8925	Washn	SO Norf	Receiver	195-Q-6
588169	10/5	8926	Washn	SO Pug Snd	Condensers	919-42
555313	10/5	8923	Washn	Annapolis	portable Radio Set	897-1
585497	10/5	8997	Norfolk	New Orleans	Delco unit	678
588761	10/6	8931	Washn	Annapolis	radio mtl	807-1
588906	10/6	8950	Washn	CO	Amplifiers	20-X-6
583097	10/6	8949	Norf	Annapolis	Transmitter	1-Z-6
588631	10/6	8928	Great lakes SO	Boston	Apparatus	854
588158	10/5	8930	Phila	SO New York	booth	876
587226	10/6	8937	Phila	Detroit	Radio set	918
573845	10/6	8939	Phila	Washn	material	918
"	10/6	8940	Phila	Washn	material	918

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Number.	Date.	From or To—		Subject.		
573845	10/6	8929	Phila	SO Brook	material	918
579695	10/6	8933	RockawayB	SO Anacostia	material	1207
588156	10/7	3554	MI	Peking	batteries	857
589086	10/8	8951	Annapolis	SO Washn	material	920-1
589587	10/10	8952	Phila	CO Anacostia	wire	918
588027	10/12	8979	Norf	Annapolis	Reddiver	898
589804	10/12	8973	Washn	Comdt Washn	Rec unit	898
580720	10/12	8972	NY	CO	material	336-6
589816	10/12	8982	Washn	CO	material	488-6
589595	10/12	8953	Brook	SO Ports	material	588-6
589595	10/12	8971	Boston	SO Ports	material	588-6
545698	10/13	8986	Washn	SO Norf	Radio compass	283-6
480753	10/14	9001	Washn	CO	apparatus	342-6
589875	10/14	9000	Washn	Annapolis	material	820
589870	10/13	8983	Washn	SO Annapolis	material	920-1
589871	10/13	8984	Phila	Cleveland	material	1004
590491	10/17	9011	Phila	So Brooklyn	cond tubes	627-1
590492	10/17	9012	Norf	So Brook	cond tubes	627-1
589854	10/18	9002	Wash	War Dept Wash	material	727-1
581786	10/14	9003	NY	Phila	material	918
589872	10/14	8987	Washn	NL	material	86-0-6
590289	10/18	9005	Norf	CO	material	565-6
590486	10/18	9006	Washn	CO	coil	573-6

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830 RADIO SHIPMENT REQUEST

1921

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Number.	Date.	From or To—		Subject.		
580628	9/10	8750	Pug Snd	San Diego	Arc Converter W	830
583965	9/9	8723	Washn	P H	Coils	852
579770	9/9	8748	NO	Norf	material	898
581283	9/8	8740	NY	NY	parts	1206
584872	9/12	8757	Anacostia	Great Lakes	Supplies	1207
585168	9/13	8775	Phila	Washington	meter	1047
584873	9/14	8758	Washn	SO Ports	apparatus	2-Z-6
580031	9/12	8756	Washn	NY	Apparatus	898
579769	9/14	8781	NO	Washn	material	898
585646	9/16	8780	Was n	CO	Transmitter	455-6
585977	9/19	8794	Phila	Balboa	material	850
585384	9/19	8797	Brook	SO Brook	material	876
585650	9/16	8785	Phila	Great Lakes	Supplies	1207
585977	9/20	8796	Washn	15 Dist	material	850
585982	9/20	8800	Washn	Boston	material 898	
585169	9/20	8802	Washn	Boston	receivers	919
"	9/20	8801	Washn	Phila	Receivers	919
"	9/20	8803	Washn	NY	"	919
"	9/20	8804	Washn	Norf	"	919
"	9/20	8805	Washn	NY	"	919
585979	9/20	8799	Norf	Cape Hatteras	material	1002
584873	9/22	8816	Washn	Ports	Apparatus	2-Z-6
586300	9/21	8815	Washn	SO Norf	material	172-6
586297	9/21	8810	Washn	Annapolis	material	820
585384	9/21	8809	Brook	Key West	material	876
581784	9/21	8811	Phila	Anacostia	pigeon Carriers	1207

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Number.	Date.	From or To—		Subject.		
586302	9/22	8817	Washn	Brook	material	91-Q-6
544874	9/23	8818	Washn	Great Lakes	material	854
586683	9/24	8819	Washn	SO Pug Snd	transformers	904
575977	9/26	8831	Norf	SO Balboa	batteries	850
586681	9/26	8820	NY	CO	material	323-6
586662	9/26	8835	Washn	CO	material	323-6
586664	9/26	8836	Phila	CO	material	323-6
586665	9/26	8838	Washn	Anacostia	material	323-6
586665	9/26	8837	NY	CO	material	323-6
569987	9/28	8861	Washn	SO NY	material	1650-K-6
588658	9/27	8846	Washn	Guantanamo	material	814
584894	9/28	8860	Washn	P H	batteries	852
587022	9/27	8857	Balto	SO Norf	material	874
587225	9/27	8859	Washn	Ports	equipments	898
587225	9/27	8858	Washn	P H	Equipment	898
586883	9/27	8856	Washn	Pug Snd	Transformers	904
587834	9/30	8881	Washn	CO	material	210-Q-6
587699	9/30	8877	Washn	CO	Wavemeter	529-6
587824	9/29	8887	Boston	Hamp Rds	material	586-21
585877	9/30	8880	Washn	CO Chasn	material	893-4
587688	9/29	8875	Brook	SO MI	Equipment	898
"	9/29	8874	Washn	SO MI	Equipment	898
"	9/29	8876	Phila	SO MI	Equipment	898
586399	9/30	8879	Brook	SO Washn	trasformer	904

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RADIO SHIPMENT REQUEST 1921 192

Number.	Date.	From or To—		Subject.		
581485	8/22	8573	Washn	Pug Snd	material	554-6
581710	8/23	8602	Washn	CO	transformers	344-Q-6
576693	8/24	8610	Brook	Washington	Receiver	231- Q-6
576694	8/25	8620	Hamp Rds	Washington	Receivers	234-Q-6
581887	8-24	8608	Washington	San Diego	batteries	736-40
458935	8-24	8607	Puget Sd	CO WYOMING	material	875
582314	8/25	8621	Washn	Norf	tubes	46-B-6
581485	8/25	8627	Phila	Pug Snd	material	554-6
581485	8/25	8626	Washn	CO via Union	material	554-6
580340	8/25	8628	Washington	CO via Union	material	592-6
580340	8/25	8629	Phila	SO MI	material	592-6
578796	8/25	8630	Norf	CO ~~via~~ Phila Yd	batteries	599-6
582190	8-25	8623	Wash	M.I.	batteries	882-1
582190	8-25	8622	Wash	Mare Island	radio matrl	882-1
505248	8-24	8619	Wash	Darien	matrl	898
562915	8/26	8635	Phila	Pug Snd	spare parts	121-6
582192	8-25	8625	Phila	Anacostia	matrl	736-43
582193	8/26	8631	Wash	Annapolis	sound	797
481440	8-26	8632	GE	Wash	radio airc matrl	898
582195	8-26	8633	Phila	Wash	radio vac tubes	898
582717	8/30	8693	Washington	San Diego	Amplifier	825
582196	8/26	8634	Washington	SO Annapolis	Generators	882-3
579769	8/30	8663	New Orleans	Washington	Material	898

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1921

Number.	Date.	From or To—		Subject.		
580340	8/31	8698	Washington	MI	material	592-6
580340	8/31	8697	Boston	MI	material	592-6
580515	8/31	8696	Brook	Pt Isabel	material	853
580515	8/31	8695	Phila	"	material	853
579942	8/30	8664	NO	Brook	material	898
582710	8/30	8694	Phila	Anacostia	equipment	918
583079	9/1	8699	Washn	Annapolis	material	920-1
582892	9/2	8723	Phila	SO Ship	batteries	39-N-6
582711	9/1	8702	Anacostia	Hamp Roads	material	1207
583407	9/2	8704	Washn	MI	material	88-0-6
583157	9/2	8717	Washn	CO	material	60- X-6
582196	9/2	8718	Washn	Annapolis	generator	882-3
582196	9/2	8719	Washn	SO NY	Generator	882-3
583407	9/2	8716	Phila	Washn	Wavemeters	893-4
"	9/2	8715	Phila	Washn	"	893-4
577420	9/2	8703	Phila	Pug Snd	spares	919
583960	9/6	8726	Washn	SO NY	Apparatus	1-P-6
576693	9/7	8727	Brook	CO	Receiver	231-Q-6
573208	9/7	8730	Brook	CO	spareparts	466-6
583967	9/8	8743	Great Lakes	Boston	material	843
583903	9/9	8747	MI	CO	Vacuum tube	138-6
584488	9/9	8744	Norf	Annapolis	Apparatus	820
583966	9/7	8729	Anacostia	Dayton	material	918
584400	9/9	8746	Boston	Washn	telephone	919-71

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Number.	Date.	From or To—		Subject.	
579769	8-11	8448	NO	Wash radio material	898
579474	8-10	8438	Wash	Wash Landing Field radio material	1213
579764	8-10	8440	Expr Sta	Ports subm material	99-0-7
579941	8-11	8450	Washington	CO PENNSYLVANIA material	130-6
579767	8-12	8477	Wash	Ham Rds amendment of 8441	736-34
580175	8-13	8480	Airc Facty	Phila CO Rockaway stg batteries	736-39
580489	8-15	8481	NSD	Chasn material	893
579668	8-16	8482	Wash	Quantico detector	1050
580720	8/16	8525	Boston	Balboa Telegraph	336-6
580499	8/16	8524	Washington	USS BUSHNELL Telegraph	515-6
580340	8/16	8526	Boston	Mare Island Telegraph	592-6
575846	8-16	8527	NSD	Norfolk radio matrl	898
580401	8-17	8528	Ham Rds	Phila trans and rec sets	918
580401	8-17	8529	Santo Domingo	Phila trans and rec sets	918
580401	8-17	8530	San Diego	Phila "	918
580998	8-18	8543	NY	CO FLA radio piloting cable	711-5
580998	8-18	8544	NY	CO BRIDGE radio piloting cable	711-5
580998	8-18	8545	NY	HOPKINS "	711-5
580998	8-18	8534	NY	ARKANSAS "	711-5
580998	8-18	8542	NY	WYOMING "	711-5
318197	8-18	8533	Hamp Rds	Phila AF matrl	918
581114	8-19	8559	Phila	Rockaway radio batteries	736-39
581493	8-20	8571	Phila	Lakehurst radio batteries	736-55
580997	8/18	8531	NY	Lakehurst cable	736-55

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Number.	Date.	From or To—		Subject.		
581483	8-20	8563	Phila	Pearl Harbor	radio material	736-60
580998	8-18	8546	Phila	Ports	compensators	797
580515	8-18	8532	Phila	Point Isabel	changer	853
581228	8-19	8560	Phila	Coco Solo	wavemeter	893-4
463145	8-19	8562	Phila	Ports	wire	907
581484	8-22	8572	Washington	Pearl Harbor	radio receivers	736-60
565798	8-22	8596	Tacoma	Puget Sd	switches	876
581482	8-20	8561	Washington	Ports	insulator	911
581786	8-22	8588	Brooklyn	Phila	fans	918
581790	8-22	8597	Anacostia	Schenectady	radio trans	918
581498	8-22	8590	Cape May	Guam	pigeons	1207
581497	8-22	8589	Cape May	Great Lakes	pigeons	1207
581785	8-22	8594	Rockaway	Pearl Harbor	pigeons	1207
581494	8-22	8575	Rockaway	San Diego	pigeons	1207
581491	8-20	8569	Cape May	Anacostia	pigeons	1207
581489	8-20	8568	Anacostia	Pearl Harbor	pigeons	1207
581492	8-20	8570	Rockaway	Anacostia	pigeons	1207
573936	8/22	8585	NO	Pug Snd	batteries	131-6
581486	8/22	8591	Washington	Norf	material	251-6
580340	8/22	8574	Washington	MI	material	592-6
544828	8-23	8603	MI	Oakland	radiommaterial	704
544828	8/23	8604	Wash	Oakland	"	704
581795	8-23	8605	Annapolis	Cambridge	sound	797

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Number.	Date.	From or To—			Subject.	
577424	7/28	8306	Wahhn	NY	Radio Tele	323-6
569186	7/29	8326	Chasn	Boston	Sound proof Booths	4-C-6
569187	7/29	8325	Chasn	Phila	Sound proof booths	9-C-6
53482	7-30	8336	Anacostia	Brooklyn	fan	629
577774	7-30	8337	M Island	Darien	insulators	851
577773	7-30	8335	Wash	Darien	ammeter	851
577773	7-30	8334	Phila	Wash	"	851
577430	7-30	8329	Yorktown	Phila AF	airc radio matrl	918
577777	7/30	8347	Wash	NY	receivers	898
577772	7/30	8328	Rockaway	Phila AF	Radio	918
46681	8-1	8346	Washington	Jersey City	propellers	629
577866	8/1	8359	Wash	Charleston	material	807
577860	8/1	8354	Wash	Colon	material	808
577867	8/1	8360	Wash	Naval Acad	amplifier	820
577861	8/1	8355	Wash	New Orlns	radio receiver	821
577858	8/1	8350	Wash	Darien	"	851
577781	8/1	8349	Norf	Darien	radio	851
577863	8/1	8358	Wash Bu Std	Wash	ammeters	893
577862	8/1	8357	Phila	Balboa	amplifier	893-4
577862	8/1	8356	Wash	Balboa	wavemeter	893-4
577780	8-1	8348	Anacos	H Rds	gen	918

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Number.	Date.	From or To—		Subject.		
578280	8-2	8363	Washington	Cape Mala	phones	793-8
578279	8/2	8362	Washington	Puerto Obaldia	"	793-8
578282	8-2	8379	Phila	San Diego	condensers	918
576691	8/2	8362	Wash	otter Cliffs	amendment of 8288	919-3
578290	8-3	8383	Wash	Melville	material	791
578290	8-3	8382	Norf	Melville	gaskets	791
578290	8/3	8381	Boston	Melville	material	791
542320	8/3	8395	Wash	Key West	rectifier	861
566622	8/5	8397	Wash	NY	Sockets	323-6
574121	8/8	8419	PS	MI	detector,	125-Q-6
578785	8/6	8399	NY	Elizableth NJ	telephone set	323-6
577776	8/8	8338	Wash	Bu	Blinker sig sets.	898
579252	8/8	8418	Air Fact	Pac Air Force	Deslauriers Propellers	918
578906	8/6	8398	Wash	Cape Hatteras	Vacuum tube detectors.	1002
552468	8/8	8417	Wash	Cristobal	Batteries.	727-1
576691	8/9	xxxsh 8420	Wash	Otter Cliffs	batteries	919-3
579577	8/10	8421	Wash	USS UTHA	Receivers etc	455-6
47403	8-11	8452	GE	Phila	power equipment	629
579767	8-10	8441	Wash	Ham Rds	braid	736-34
579768	8-10	8442	Norf	Phila	sound material	797
579942	8-11	8451	N.Orlns	NSD	material	898
579770	8-11	8449	NO	Norf	material	898

Number.	Date.	From or To—		Subject.		
565801	7-16	7554	Wash	Key West	compens condensers	919-1
565802	7-16	7555	Wash	New Orlns	compensating condensers	919-1
574755	7/18	8152	Washn	CO	Receiver	83-Q-6
575176	7-19	8153	Boston	Pearl Harbor	wire	852
572062	7/19	8189	N.Y.	Lakehurst	amendment of 8045	919-79
575843	7/20	8217	S Brook	NY	telegraph	222-6
574571	7/19	8191	Norf	Hog Island	unit	604-22
574571	7/19	8192	Wash	Cape Hatteras	receiver	604-22
575836	7/18	8193	Wash	Pensacola	transformers	827
428558	7/19	8190	Wash	Bur Stds	amend of shipt ord	916
575838	7/20	8214	Wash	Annapolis	resistance tubes	920-1
575840	7-20	8216	Wash	Anacostia	adapters	736-43
573292	7/20	8215	Anacostia	Brook	canc of 8074	882-1
489767	7/21	8218	Wash	Phila	amend of 2397	771-2
575432	7/23	8247	Norf	MI	castings	797
575854	7/22	8250	Wash	Guantanam B	receivers	814
575839	7/22	8248	Airc Fac	Lakehurst	tubs	898
576680	7/25	8264	Guantanamo	Wash	receivers	814
576687	7-25	8265	Wash	CO	panel	190-Q-6
574565	7/23	8267	Wash	CO TURKEY	panel	13-S-6
574571	7/25	8275	Norf	Hog Island	batteries	604-22
574565	7/23	8267	Wash	Frisco	panel	13-S-6
504784	7/26	8285	Wash	PH	"	92-O-6

RADIO SHIPMENT REQST 1921

N. Eng. 134

Number.	Date.	From or To—		Subject.		
518348	7/26	8283	Wash	Frisco	panel	33-S-6
574567	7/26	8268	Wash	N.Y.	"	572-6
574566	7/26	8284	Wash	NY	panel	571-6
576689	7/26	8286	Wash	NNs	panel	46-B-6
576690	7/26	8287	Boston	NNs	Telegraph	46-B-6
550371	7-27	8304	Wash	Phila	detectors	771-2
573839	7-27	8303	Airc Facty	Washington	transmitters	918
576691	7-26	8288	Wash	Otter Cliffs	rec equipment	919-3
577425	7-27	8307	NSD	CO ASHEVILLE	radio amplifer	22-G-6
576696	7-27	8305	Wash	CO Tennessee	radio receivers	573-6
575853	7-29	8249	M.I.	Naval Acad	insulators	911
577426	7-29	8322	Phila	Great Lakes	spares	919
577426	7-29	8320	Phila	NO	"	919
577426	7/29	8310	Phila	Norf	"	919
577426	7/29	8323	Phila	MI	spares	919
577426	7/29	8321	Phila	Pensacola	"	919
577426	7/29	8312	Phila	Key West	"	919
577426	7/29	8308	Phila	Boston	"	919
577426	7/29	8324	Phila	Puget Sd	"	919
577426	7/29	8311	Phila	Chasn	"	919
577426	7/29	8309	Phila	NY	"	919

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Number.	Date.		From or To—		Subject.	
558685	7/5	7892	Brook	Washington	material	599-6
564887	7/6	7503	Phila	Operns	Material	918
572894	7-6	8048	Wash	Mare Island	radio receivers	771-2
572860	7-6	8023	Wash	CO QUINCY	radio receiver	898
572861	7-6	8024	Boston	CO QUINCY	transmitter	898
570659	7-7	7911	Phila	Ft Scrivens	(Amendment of)	919-73
563746	7-8	7877	NSD	canc of.		736-50
572477	7-8	8052	Wash	Guam	transformers	813
572863	7-8	8046	Anacos	Crocker Wheeler	generator	882-3
573620	7-8	8050	Brook	Anacos	fans	918
570660	7-7	7912	Wash	Amendment of		919-73
572062	7-8	8045	NY	Lakehurst	cable wire armor	919-79
573290	7-8	8053	Anacos	Ha Rds	pigon matrl	1207
571575	7/8	8051	Brook	CO	Buzzers	46-B-6
571575	7/8	7971	Boston	NNs	Buzzers	46-B-6
573836	7/9	8073	Washington	SO NY	Wavemeter	130-6
571789	7-9	8070	Wash	Great Lakes	vac tubes	707-11
541785	7-9	8069	Phila	Wash	radio instruments	902
572183	7/12	8091	Brook	FR	Arc Sets	7-C-6
572175	7/12	8088	Brook	FR	Arc Set	8-C-6
572447	7/12	8089	Washington	Cramps	Arc Set	11-C-6
572450	7/12	8110	Washington	Cramps	Arc Set	12-C-6
572446	7/12	8111	Washington	Cramps	Arc Set	13-C-6
543796	7-12	8086	Phila	North River NY	City trans equip	793-8

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Number.	Date.	From or To—		Subject.		
572031	7/12	8118	NY	SO ELLIS	Buzzers	154Q-6
466625	7-12	8090	Wash	Canc of shipt order of 1/3		727-1
572949	7-12	8087	Wash	Key West	transformers	817
573292	7-12	8074	Anacostia	Brook	condenser	882-1
573621	7-12	8072	Airc Fact	Detroit Scout Lab.	inter com sets	918
573839	7-12	8071	Phila AF	Wash	airc trans	918
573846	7-13	8126	CO HURON	Wash	radio receiver	898
573848	7-13	8125	Wash	CO HURON	radio rec	898
573291	7-13	8068	CO PENN	Wash Dept.	insulators	911
573842	7-13	8114	Phila	Amagansett	coil system	919
570660	7-13	8138	Phila	Tybee Island	stg batteries	919-73
574311	7/13	8128	Washn	Cavite	Arc Chamber	408-6
573208	7/13	8123	Chasn	CO	Equipment	466-6
573208	7/13	8124	Washn	CO	Equipment	466-6
573841	7-14	8113	Ham Rds	Phila AF	trans equipments	898
574568	7-14	8130	Anacostia	Lakehurst	trans	898
574572	7-14	8131	Wash	Rockaway	radio matrl	898
413764	7-14	8132	Wash	Chasn	canc of shipt order of 12/8/19	898
573854	7-14	8129	Norf	Bur Stds	insulator	911
569382	7/14	8127	CO	Washington	Decremeter	554-6
555734	7-16	8151	Ham Rds	Airc Facty	spark transm	918
574750	7-16	8150	Phila	Airc Fac	avia airc radio matrl	918
574748	7/16	8149	Anacos	Deslauriers Column	fans	918

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RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—		Subject.	
568626	6/20	7908	Norf	NNs battery	46-B-6
569986	6/21	7895	Phila	SO Chasn Dial 570-6	
563055	6-20	7905	Boston	NSD-MI Cavite batteries	882-1
570662	6-22	7934	Anacostia	Hamp Rds radio condensers	918
570671	6-23	7937	Phila	Chasn wave changer	807
570648	6-23	7938	Wash	Naval Observatory amplifer	916
570660	6-23	7912	Wash	Ft Scrivens matrl see 919-73	919-37
570665	6/23	6935	Norf	NNs Tube detector 46-B-6	
569981	6/23	6936	Washington	CO material 130-6	
571115	6/23	7945	Washington	CO material 130-6	
571260	6-24	7947	Norf	Mare Island Delco units	919-1
571259	6-24	7948	Norf	Puget Sd Delco units	919-1
570659	6-24	7911	Phila	Ft Scrivens Tybee matrl	919-73
571572	6-27	7961	Wash	Alpena radio material	870
571571	6-27	7960	Wash	Detroit radio material	1005
569976	6-27	7858	Anacostia	San Diego pigeons	1207
571571	6 27	7959	Washington	CO Buzzer, Blinker prac set 511-6	
571569	6/27	7946	Brook	CO Receiver 571-6	
~~571680~~	~~6/27~~				
568009	6-28	7725	GL	NSD amendment of	911
571428	6-30	7989	Wash	Port au Prince wave meter	865

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RADIO SHIPMENT REQUEST

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1921

Number.	Date.		From or To—	Subject.		
571575	6/28	7971	Boston	NNs	Buzzers	46-B-6
571866	6/29	7974	Washington	NL	Amplifier	86-O-5-6
571819	6/29	7973	Washington	CO	Material	529-6
572178	6-30	7975	Wash	Bureau Stds	vac tubes	898
572185	6-30	8008	Wash	Anacostia	vac tubes	898
526712	6-30	7993	M.Island	Bur Stds	radio relay	908
526712	6-30	7994	M.Island	Anacostia	radio relay	908
572177	6/30	7992	M Island	Todd	Arc set	6-C-6
572175	6/30	7990	Brook	FR	Arc set	8-C-6
572449	7/1	8016	Norf	SO Washington	Arc Set	48-B-6
572176	7/1	7991	MI	Todd	Arc Set	5-C-6
572183	7/1	8007	Brook	FR	Arc Sets	7-C-6
572448	7/1	8010	Washington	Cramps	Arc Set	10-C-6
572447	7/1	8015	Washington	Cramps	Arc Sets	11- C-6
572450	7/1	8017	Washington	Cramps	Arc Sets	12-C-6
572446	7/1	8009	Washington	Cramps	Arc Set	13-C-6
572450	7-1	8018	Wash	San Pedro Sub Base	receiver	1013
570660	7/2	7912	Washington	Tybee Island	Material	919-37
569187	7/2	7823	Chasn	Cramps	Booths	9-C-6
576677	7-5	8022	Wash	Airc Facty	radio material	898
572864	7-5	8047	Wash	Guam	radio material	904
572451	7-2	8019	Wash	Inglewood	wavemeter	1013
571578	7/5	8021	Brook	NYS	Equipment	45-B-6
571577	7/5	8020	Brook	NNs	Equipment	48-B-6

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Number.	Date.	From or To—		Subject.			
552379	6-10	7776	Mare Island	Pearl Harbor	storgbatteries		882-1
541201	6-11	7790	Washington	Puget Sound	radio		809
558535	6-11	7795	Phila	San Diego	storage batteries		918
568870	6-11	7786	Phila	Harvard University	radio trans		9 18
565099	6/11	7789	Boston	Lake	Radio Telegraph		159-WO-6
568871	6/11	7787	Washington	MI	" Receiver		592-6
568872	6/11	7788	MI	Washi gton	Receiver		592-6
568625	6/13	7799	Brook	Inspr NN	Batteries		46-B-6
568623	6/13	7798	Phila	NNs	batteries		46-B-6
568626	6/13	7800	Boston	NNs	Batteries		46-B-6
567963	6/13	7797	Pug Snd	SO Washn	rejector		131-6
568629	6/13	7801	Phila	SO MI	batteries		592-6
569190	6/14	7820	ashn W	NNs	Buzzers		
569184	6/14	~~To-SO~~ 7803	Washn	SO MI	Porcelain Insulators		592-6
568625	6 /13	7799 ??	Brook	Inspr NNs	Batteries		46-B-6
568624	6 /13	7799 ??	Brook	Inspr NNs	Material		46-B-6
569591	6/15	7827	NNs	SOWashington	receiver	46-B-6	
569185	6/15	7821	Chasn	Inspr Todd	Booths	4-C-6	
569186	6/15	7822	Chasn	Inspr ER	Booth	8-C-6	
569187	6/15	7823	Chasn	Cramps	Booths	9-C-6	
569188	6/15	7824	NY	Cramps	Booth	10-C-6	
569189	6/15	7825	Phila	Cramps	Booth	11-C-6	
567100	6/15	7826	Washington	CO	Magnavox	323-6	
569455	6/16	7852	NSD	Hamp Rds	material		761
569455	6/16	7851	Phila	Hamp Rds	amplifier		761
565998	6-16	7829	Annapolis	Bost	canc of 7589		797

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N. Eng. 134

Number.	Date.	From or To—		Subject.		
569600	6-16	7856	Anacostia	Brooklyn	radio condenser	918
566910	6/16	7850	Washn	CO	material	150-Q-6
569643	6/17	7878	Brook	NNs	material	46-B-6
569981	6/17	7888	Washn	CO	material	130-6
569597	6/16	7853	Phila	Pensacola	radio	736-38
563746	6-17	7877	NSD	Phila AF	radio	736-50
566143	6-17	7563	Wash	Guantanamo	radio	814
569974	6/17	7857	Wash	Cambridge	matrl	898
569598	6-17	7854	Phila	Puget Sd	radio comp equip	919
563746	6-18	7876	NSD	Phila	radio	736-50
568630	6-17	7879	Boston	Newport	radio	902
511587	6-18	7889	Anacostia	GE	radio matrl	918
570025	6/18	7890	Washington	NNs	Material	46-B-6
569747	6-20	7893	Boston	Omaha	radio telephone	902
569986	6-20	7894	Phila AF	Hamp Rds	radio material	918
568626	6/20	7896	Boston	NNs	batteries	46-B-6
568626	6/20	7908	Norf	NNs	battery	46-B-6
568685	6/20	7892	Brook	CO Phila	material	599-6
568685	6/20	7891	Washington	Phila	material	599-6
565015	6-21	7910	Wash	Quantico	apparatus	761
570061	6-21	7909	Anacostia	Quantico	feed for pigeons	1207

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Number.	Date.	From or To—		Subject.		
560802	6/1	7564	Norf	Phila	Material	51-S-6
560802	6/1	7565	SO Phila	CO Phila	Telephone	51-S-6
566910	6/2	7567	Washn	SO Philaz	Material	150-Q-6
566909	6/2	7566	Washn	SO NY	Material	157-Q-6
566911	6/2	7568	Washn	SO Norf	Material	192-Q-6
566137	6/1	7641	Washn	SO Norr	Condensers	522-6
566462	6-2	7571	Washington	Cavite	transformers	806
566917	6-3	7572	Wash	Norfolk	equipment	678
~~566918xxxxx~~	~~6-3x~~					
521084	6-3	7642	Wash	Puget Sd	transformers	689-17
564554	6-3	7570	Wash	San Diego	radio matrl	736-40
564554	6-3	7569	Phila AF	San Diego	radio matrl	736-40
566530	6-4	7636	Phila	San Diego	propls	736-40
566920	6-3	7573	Norf	Phila	appr	797
567312	6-3	7644	Wash	Phila AF	aviation	918
547104	6-4	7647	Phila	San Diego	radio	736-40
565677	6-4	7649	Wash	Cavite	radio rec set	806
565782	6-4	7650	Wash	Guam	rec set	813
565676	6-4	7648	Wash	Peking	rec set	857
567316	6-4	7665	Wash	M.I.	radio matrl	876
567314	6-4	7663	Anacos	GE	trans set	918
567313	6-4	7646	Phila	Hamp Rds	matrl	918
563175	6-4	7643	Wash	San Juan	switches	920-4
565783	6-4	7666	Wash	Pearl Harbor	rec set	1035
566622	7/4	7645	Phila	CO	Apparatus	323-6
567315	7/4	7664	Washn	SO Ports	Insulator	389-6
565787	6/7	7670	Wash	Puget Sd	rec set	809

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RADIO SHIPMT REQST 1921

N. Eng. 134

Number.	Date.	From or To—		Subject.		
567328	6-7	7719	Wash	Challos Heights	arc key	830
565786	6-7	7668	Wash	North Island	rec set	833
565786	6-7	7669	Wash	Puget Sd	rec set	833
565789	6-7	7672	Wash	San Juan	rec set	835
565791	6-7	7717	Wash	Dept Wash	rec set	841
565784	6-7	7667	Wash	M.I.	rec set	842
567330	6-8	7721	Wash	Boston	arc key	843
565788	6/7	7671	Wash	Balboa	rec set	850
568005	6-7	7722	Wash	Great Lakes	arc key	854
565983	6/7	7547	Wash	Gr Lakes	compsn condensers	919-1
565982	6/7	7541	Wash	Puget Sd	condensers	919-1
567329	6-8	7720	Wash	Bar Harbor	arc key	920-2
565790	6-7	7716	Wash	"	rec set	920-2
567327	6-7	7718	Wash	Inglewood	arc key	1013
568006	6/7	7724	Washington	Duluth	Radio receiver	202-6
510429	6-8?	7732	Wash	New Orlns	radio equipment	821
568009	6-8	7725	GL	NSD	insulators	911
511533	6/9	7734	Phila	NYS	Booth	45-B-6
568018	6/9	7759	Washn	NNs	Material	46-B-6
568017	6/9	7735	Washn	SO MI	Material	592-6
568020	6-10	7761	Brook	Anacostia	material	882-1
568015	6-9	7733	Annapolis	Bureau Stds	radio	911
568023	6-9	7762	Airc Fac	Hamp Rds	matrl	918
568019	6-10	7760	Wash	Airc Fac Phila	radio matrl	918

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Number.	Date.	From or To—		Subject.		
565303	5-23	7509	NSD	Hamp Roads	radio material	918
564888	5-23	7508	Wash	Hamp Rds	"	918
521207	5/24	7511	Washn	Boston	Apparatus	17-K-6
565304	5-24	7510	Anacostia	Yorktown	pigeons	1207
446378	5-25	7501	Pensacola	Norfolk	sound detector	736-2
565666	5-25	7513	Airc Fac Phila	Anacostia	aviation matrl	736-43
564968	5-25	7517	Wash	Norf	spare parts	7712
565667	5-25	7512	Anacos	Phila AF	radio airc propellers	918
565669	5-25	7514	Anacos	Quantico	"	918
564089	5/25	7549	Washn	CO	Receiver	550-6
544828	5-26	7558	M.Island	Oakland	radio equipmt	704
544828	5-26	7557	Wash	M.Island	"	704
544828	5-26	7559	M.I.	Oakland	"	704
559604	5-26	7540	Wash	Chasn	mast	807
558530	5-26	7548	Norf	Wash	trans set	898
565793	5-26	7542	Wash	Norf	coils	898
565794	5-26	7544	NSD	Quantico	material	1049
565794	5-26	7546	Norf	"	"	1049
565794	5-26	7545	Wash	"	"	1049
565671	5/26	7515	Chasn	Norf	Material	46-B-6
566000	5-27	7543	PH	Wash	radio	126-6
564880	5-27	7588	Puget Sd	Wash	radio receiver	562-6
565998	5-27	7589	Expr Sta	Boston	receiver	797
562952	5-26	7550	Wash	NY	condensers	919-1

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N. Eng. 134

Number.	Date.	From or To—		Subject.		
565981	5-27	7556	Wash	Mare Island	condensers	919-1
565800	5-27	7553	Wash	Chasn	"	919-1
562954	5-27	7552	Wash	Norfolk	"	919-1
562953	5-27	7551	Wash	Phila	"	919-1
565986	5-27	7585	Wash	Annapolis	"	920-1
565987	5-27	7586	Wash	Bar Harbor	"	920-2
554547	5-31	7625	NO	Phila	Amendment of 7680	689-9
565991	5-31	7592	Wash	Pensacola	wave meter	736-38
565990	5-31	7590	Wash	Rockaway	wave meter	736-39
565990	5-31	7591	Wash	Ham Rds	"	736-39
565993	5-31	7594	Wash	San Diego	"	736-40
565992	5-31	7593	Wash	Coco Solo	"	736-41
565994	5-31	7620	Wash	P.Harbor	"	736-60
566200	5-31	7629	Norf	Phila	sound	797
565998	5-31	7587	Norf	Coco Solo	sound	797
565997	5-31	7623	Wash	San Diego	wave meter	918
565996	5-31	7622	Wash	Pac Flt	wave meter	918
565995	5-31	7621	Wash	Atl Flt	wave meter	918
523712	5/31	7624	Washn	NY	Apparatus	522-6
566995	6-1	7654	M.I.	Oakland	elec material	704
565015	6-1	7626	Wash	Quantico	radio	761
565015	6-1	7627	NSD	Quantico	radio	761
566134	6-1	7628	GE	Phila AF	radio	918

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Number.	Date.	From or To—		Subject.		
563268	5/12	7400	Washn	SO MI	Telephone	592-6
563279	5/13	7409	Washn	SO Pug Sound	Telephone set	494
550574	5-14	7417	Phila	NY	Canc of 7334	1-P-6
550574	5-14	7418	Wash	N.Y.	radio trans	1-P-6
562949	5-14	7358	Wash	LYKENS	radio detectors	876SP
563569	5-14	7416	Puget Sd	Wash	radio receivers	121-6
563568	5-14	7415	Wash	Puget Sd	radio receivers	121-6
563279	5-14	7413	Wash	Puget Sd	tele sets	554-6
563280	5-14	7414	Wash	NY	telephone	573-6
563271	5-14	7402	Wash	Marshfield	amplifier	801
563272	5-14	7403	Wash	Guam	amplifiers	813
563272	5-14	7404	Wash	Pearl Harbor	amplifier	1035
563276	5-16	7407	Washington	San Diego	amplifier	830
563573	5-16	7419	Wash	Mare Island	radio receiver	842
563277	5-16	7408	Wash	Mare Island	amplifiers	842
563274	5-14	7405	Wash	Tutuila	amplifier	846
563275	5-16	7406	Wash	Peking	amplifier	857
560802	5/17	7466	Phila	CO	Telegraph	51-S-6
"	5/17	7467	Norf	CO	Material	51-S-6
563576	5-17	7422	Wash	Cavite	rec unit	806
563575	5-17	7421	Wash	Cavite	radio receiver	806
563574	5-17	7420	Wash	San Diego	radio receiver	830
563578	5-17	7438	Wash	San Diego	rec unit	830
563579	5-17	7439	Wash	M.Island	rec units	842

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N. Eng. 134

Number.	Date.	From or To—		Subject.		
564003	5-17	7464	Anacostia	Ft. Wayne GE Co.	dynamotor	918
563577	5-17	7437	Washington	Pearl Harbor	receiving unit	1035
Chasn 314	5-17	7451	Norfolk	Chasn	battery RB 8/24	L-R
553614	5-18	7446	Miami	Camaguey	motor	761
563583	5-18	7443	Wash	Guantanamo	receiving unit	814
563585	5-18	74445	Wash	Balboa	rec unit	850
563580	5-18	7440	Wash	Puget Sound	rec units	833
563581	5-18	7441	Wash	Astoria	rec units	872
563582	5-18	7442	Wash	Norfolk	rec unit	872
563584	5-18	7444	Wash	N.Y.	rec unit	1041
562935	5-19	7470	Phila	Anacos	Canc of 7349	736-43
562935	5-19	7471	Wash	Anacostia	batteries	736-43
556249	5-19	7472	NSD	Norfolk	insulators	771-2
557530	5/20	7482	Boston	Ports	Batteries	106-0-6
564859	5/20	7494	Washington	CO	Insulator	130-6
562799	5/20	7468	Phila	Pug Snd	Radio Compass	280-6
564873	5/20	7496	Norf	Phila	sound	797
564871	5-20	7495	NSD	Wash	radio trans set	898
564880	5/23	7497	Washn	Pug Snd	Radio receiver	562-6
562666	5-23	7498	Wash	Key West	transformer coil	704
540144	5-23	7499	Wash	Key West	galvanometer	817
563570	5-23	7500	Wash	Puget Sound	insulators	911
564887	5-23	7503	Phila	Hamp Rds	radio material	918
564886	5-23	7502	Phila	Ham Rds	"	918

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Number.	Date.	From or To—		Subject.		
558547	4/23	7089	Washn	Annapolis	Cable	920-1
559202	4/26	7150	Phila	Hamp Rds	Telegraph eqpt	918
559613	4/26	7151	Phila	Lakehurst	Condenser	919-79
559620	4/26	7163	Phila	NN	Transmitter	46-B-6
559621	4/26	7162	Washn	Norf	Equipments	46-B-6
559616	4/26	7153	Boston	Inspr NN	Material	46-B-6
559629	4/27	7164	Washn	Phila	Radio receiver	918
559920	4/26	7170	Norf	Cape Lookout	Battery	919-8
559880	4/27	7166	Brook	Boston	Receiver	369-6
559148	4/25	7158	MI	Cavite	Batteries	211-Q-6
555974	4/29	7167	Brook	Amer legation Managua	spare parts	858
560066	4/28	7194	Washn	Peking China	Arc Key	857
556846	4/28	7198	Washn	Corderva	Key	809
556210	4/26	7152	Boston	NN	Material	46-B-6
560067	4/28	7195	Brook	NN	Transmitting set	46-B-6
560068	4/28	7196	Washn	CO	Telephone	573-6
552845	4/28	7200	Phila	Norf	Compasses	516-6
555912	4/28	7201	Norf	N O	Transmitter	327-6
553901	4/28	7202	Washn	Lake Co	Insulators	159-0-6
559308	4/28	7193	Norf	Annapolis	Equipment	920-1
560801	4/30	7230	Brook	CO	Telephones	364-6
560802	4/30	7231	Phila	CO	Radio telegraph	5-S-6
559857	4/30	7228	Washn	CO	Radio equipment	519-6
560810	5/2	7245	Phila	CO	Apparatus	367-6
559857	4/30	7229	Norf	CO	Equipment	519-6
561012	5/2	7235	Washn	CO	Tips q	898
560805	5-4	7081	Wash	San Diego	wavemeter	736-38
550750	5-4	7252	Coco Solo	Phila	radio matrl	918
560806	5-5	7239	NY	Wash	wave meter	736-40
560850	5-4	7679	Wash	Bur Standards	radio material	916
542320	5-7	7233	NY	Washington	rectifier	861

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Number.	Date.	From or To—		Subject.		
559211	5/6	7313	Washn	NNs	Telephone	46-B-6
559621	5/6	7314	Washn	NNs	Equipment	46-B-6
555108	5-10	7317	Norf	Anacostia	Amend of 7102	918
562303	5-9	7318	Norf	Lakehurst	unit	919-79
562338	5-9	7331	M.I.	Coco Solo	batteries	907
559206	5/9	7330	Phila	NL	Tube detectors	876-SP
562302	5/9	7310	Washn	CO	Wave meter	573-6
550574	5/10	7333	Washn	SO NY	Material	1-P-6
"	5/10	7335	Phila	SO NY	Equipment	1-P-6
"	5/10	7334	Phila	SO NY	Transmitter	1-P-6
560932	5/10	7345	Washn	CO	Vacuum tube detector	39-N-6
524207	5-10	7346	Washington	N.Y.	radio receiver	652
558542	5-10	7332	Phila	Annapolis	amendment of 7086	893-4
562304	5-10	7317	Wash	Phila	radio material	919-79
562955	5-11	7349	Phila	Anacostia	radio batteries	736-43
318197	5-11	7348	Phila	CO SHAWMUT	radio	918
562941	5-11	7350	Wash	Ham Rds	radio	918
562942	5-11	7355	Phila	Hamp Rds	radio	918
318197	5-11	7347	Wash	CO SHAWMUT	radio	918
563269	5/12	7401	Washn	NNs	Radio telephone	46-B-6
546321	5-12	7357	Airc Fac Phila	N.Y.	vacuum tubes	652
527262	5-12	7360	Pac Flt	San Diego	Canc of 5063	24-771
563265	5-12	7390	Wash	North Head	amplifier	825
563267	5-13	7391	"	Eureka	amplifier	837
563263	5-13	7389	"	Puget Sound	amplifiers	898
563029	5-12	7356	Anacostia	Yorktown	pigeons	1207

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Number.	Date.	From or To—		Subject.		
547825	4/11	6939	MI	Cavite	Apparatus	314-6
547825	4/11	6940	Phila	Union	Apparatus	314-6
555749	4/11	6937	Washn	MI	Equipment	592-6
556201	4/11	6935	Anacostia	Phila	Equipment	918
556207	4/11	6941	Washn	CO	Equipment	918
555313	4/9	6938	Brook	Annapolis	Radio Set	897-1
554609	4/12	6934	Washn	MI	Condenser	1654-K-6
549469	4/13	6985	Washn	Boston	Amplifiers	898
549469	4/13	6984	Boston	Washn	Amplifiers	898
556200	4/12	6921	Washn	CO	Tube	37-N-6
556198	4/12	6919	Washn	CO	Tube	36-N-6
556199	4/12	6920	Washn	CO	Tube	35-N-6
556841	4/15	6992	Brook	SO Cavite	Material	332-6
556846	4/15	7014	Washn	Pug Snd	Arc Key	809
555967	4/15	7012	Washn	Guantanamo	Material	814
556844	4/15	7013	Washn	Pug Sound	Arc Key	833
543523	4/15	7049	Norf	SO WADSWORTH	Batteries	551-6
557878	4/16	7042	Washn	Ports	Eqipments	119-0-6
557531	4/16	7040	Washn	Ports	Equipment	114-0-6
557530	4/16	7050	Washn	Ports	Equipment	106-0-6
557514	4/16	7020	Washn	SO Cavite	Arc Key	806
557513	4/16	7019	Washn	Guantanamo	Arc Key	814
556845	4/16	7015	Washn	Pug Snd	Arc Key	833
557515	4/16	7021	Washn	Astoria	Arc Key	872
557701	4/15	7027	Brook	Manistique	Testing sets	919-1
557700	4/15	7026	Key West	O-I-C Key West	Batteries	919-63
557879	4/18	7043	Washn	Ports	Equipment	115-0-6
557750	4/18	7041	Phila	Pug Snd	Condensers	882-1
543945	4/18	7051	Norf	Bethany beach	Charging units	919-4

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557529	4/19	7053 A	Chasn	Pug Snd	Booth	28[illegible]-6
557893	4/19	7056	Brook	Boston	Arc Set	455-6
548271	4/19	7010	Norf	San domingo	Meter	865
535662	4/19	7052	MI	Todd	Arc Set	4-C-6
557519	4/21	7036	Washn	MI	Arc Key	818
557521	4/21	7034	Washn	Putuila	Key	846
557520	4/21	7035	Washn	P H	Key	869
558542	4/21	7096	Phila	Washn	meters	893-4
555313	4/21	7085	Washn	Annapolis	Radio field set	897-1
557525	4/21	7016	Washn	SO MI	Arc key	920-16
557526	4/21	7037	Washn	MI	Key	920-16
557527	4/21	7038	Washn	Haiti	Key	865
557328	4/21	7084	Washn	San Juan	Key	835
559193	4/22	7106	Norf	Annapolis	Transmitting set	820
559197	4/22	7119	Washn	Washn	Boston	205-6
558860	4/22	7108	Phila	CO	Radio Compass	135-Q-6
534904	4/22	7104	Norf	CO	Transformer	255-6
559196	4/22	7109	Washn	Boston	Telephone set	455-6
558792	4/21	7087	Washn	Norf	Tubes	919-1
559201	4/23	7121	Washn	Norf	Telephones	522-6
559200	4/23	7122	Washn	Boston	Telephone sets	321-6
559199	4/23	7120	Washn	SO Boston	Telephone set	182-6
559198	4/23	7119	Washn	SO NY	Tel Set	130-6
559194	4/23	7107	Washn	Boston	Condensers	919-1
555108	4/25	7102	Norf	SO Washn	Material	918
555108	4/26	7103	Brook	Anacostia 6863	Cancellation of	918
559211	4/25	7148	Washn	Norf	Telephone	46-B-6
554866	4/25	7149	Brook	Phila	Radio receiver	157-6
559588	4/23	7147	Norf	Poyner's hill	Battery	919-28

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Number.	Date.	From or To—			Subject.	
546047	3/19	Brook	MI	6673	Material	806
546045	3/19	Brook	So Brook	6632	Material	854
546050	3/19	Brook	MI	6675	Material	857
550721	3/19	Washn	CO	6670	Coils	149-Q-6
550114	3/19	Washn	CO	6671	Coils	153-Q-6
551207	3/19	Washn	CO	6672	Coils	150-Q-6
546044	3/19	Brook	SO Brook	6631	Material	916-6
546043	3/19	Brook	S Brook	6603	Material	916-2
551208	3/19	San Diego	SO MI	6669	Apparatus	919
551883	3/21	Brook	Washn	6695	Amplifier	898
551883	3/21	Brook	Anacostia	6696	Amplifier	898
551988	3/21	Chasn	SO Washn	6722	Tank	898
533246	3/22	Washn	CO	6723	Coils	265-Q-6
551987	3/22	Chasn	Cleveland	6721	Arc Set	1004
552846	3/23	Annapolis	Washn	6726	Perforator & Spares	909
552854	3/24	Phila	Buffalo	Amplifier	6748	1000
552292	3/24	Washn	CO	6738	Batteries	898
"	3/24	Washn	CO	6737	Batteries	898
552855	3/24	Washn	PH	6736	Transformers	898
552847	3/24	Washn	SO Washn	6725	Perforator	909
539321	3/25	Brook	Pug Snd	6750	Engine	919-1
553103	3/26	Phila	SO Mi	6798	Wave meters	893-4
553102	3/26	Phila	Brook	6799	Wave meter	893-4
519288	3/26	Phila	MI	6792	Shaper	811
541969	3/28	Phila	Norf	6760 6174	Amendment of	736-34

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Number.	Date.	From or To—		Subject.		
553074	3/28	6803	Washn	CO	Condenser	66-X-6
552830	3/28	6800	Washn	SO Norf	Tubes	20-X-6
553104	3/28	6749	Phila	Brook	Receiver	898
553490	3/29	6768	NY	Anacostia	Cable	919-78
553243	3/31	6833	Norf	SO	Batteries	324-6
550972	4/2	6855	Washn	Norf	Equipment	20-X-6
544856	4/5	6859	MI	SO P H	Buzzer	126-6
553055	4/2	6802	Washn	CO	Coils	332-6
554860	4/5	6857	Washn	SO MI	Wave meter	811
554854	4/5	6876	Washn	Point isabel	Switches	853
554854	4/5	6875	Boston	" "	Antenna Wire	853
554126	4/5	6860	Boston	Key West	Coil	919-63
554865	4/6	6898	Phila	Hamp Rds	Cable	918
555108	4/6	6863	Brook	Washn	Material	918
554125	4/6	6876	Washn	Key West	Apparatus	919-63
554866	4/8	6881	Phila	CO	Radio receiver	157-6
555394	4/8	6903	Washn	Bu Standards	Amplifier	898
554867	4/8	6879	Washn	Quantico	Bird Seed	1207
554395	4/8	6878	Washn	Montauk	Receiver	1040
554749	4/8	6901	Washn	Coco Solo	Batteries	920-2
554749	4/8	6900	Phila	Coco Solo	Wire	920-2
554643	4/8	6902	NY	Cambridge	Transmitting sets	918
555391	4/8	6899	Phila	Pensacola	Equipment	918
555399	4/8	6880	Brook	Anacostia	Air Fans	918
555733	4/8	6916	Washn	Pensacola	Coils	918
554122	4/8	6877	Washn	Phila	Amplifier	919
555734	4/8	6917	Pensacola	Hamp Rds	Equipments	918

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Number.	Date.	From or To—		Subject.	
544828	3-9	6528	MI	Union Cons Co Oakland stg bat panels	704
527605	3-9	6527	Annapolis	Washington radio arc set	920-1
549168	3-10	6565	Wash	Brook appr	898
550280	3-10	6554	Wash	MI appr	909
549117	3/11	6564	NY	SO Washgn Wave meter	164-6
547641	3/10	6557	Washn	CO Vacuum Tube	188-6
547641	3/10	6556	Brook	NY Vacuum Tubes	188-6
550283	3/10	6529	FR	CO Apparatus	87-0-6
547034	3-11	6558	Anacos	Deslaureis Co Amend of 6364	918
549469	3-11	6559	Boston	Wash radio ampl	898
550750	3-12	6585	Coco Solo	Phila AF receivers	918
550288	3-12	6568	Wash	Phila condenser units	919
550737	3-12	6567	Wash	Phila sound appr	919-10
550740	3-12	6559	NSD	Chatham cable	919-33
550739	312	6584	Wash	Coco Solo receivers	918
546054	3-14	6587	NSD	MI radio amplifier	898
550753	3-14	6586	Wash	Puget Sd radio phone	902
551202	3-14	6602	Annapolis	Bur Standards insulators	911
550757	3-14	6599	Wash	Bur Stds tubes	916

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Number.	Date.	From or To—		Subject.		
551199	3-14	6601	Airc Fac Ph	Anacos	cable	918
550756	3-14	6589	NSD	Great Lakes	generators	919-57
551074	3-14	6597	NSD	Manistique	stg batteries	919-69
550754	3-14	6588	Boston	Ports	material	120-0-6
545041	3/15	6630	Brook	MI	Amplifier	898
551198	3/15	6600	Washn	Westinghouse	Arc Receifiers	898
534904	3/16	6629	Norf	Boston	Transformer	255-6
539484	3/16	6634	Brook	MI	Receiver	898
551215	3/17	6663	Washn	Pug Snd	Copper leads	898
551216	3/17	6662x	Washn	SO Washn	Receivers	898
551207	3/17	6648	Washn	CO	Receiver	334-6
551217	3/17	6661	Washn	Pug Snd	Receiver	563-6
536763	3/17	6633	Washn	Lake	Insulators	159-[illegible]-6
546018	3/17	6654	Norf	Alpensa	Delco Charg Units	919-1
550280	3/16	6554	Washn	M	Apparatus	909
551970	3/18	6666	Washn	SO Guam	Uniwave key	813
527296	3/18	6667	Washn	Pug Snd	Receiver	845
551983	3/18	6653	Washn	Pug Snd	Keys	898

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Number.	Date.	From or To—		Subject.		
548151	2-25	6429	Washington	Weston Elec Co	radio material	893
547637	2-25	6420	N.Y.	OHIO	amendment of 6410	902
547825	2/25	6421	MI	Cavite	Apparatus	314-6
547641	2/25	6414	Brook	CO	Tube	188-6
547639	2/25	6406	Union	MI	Tube apparatus	141-0-6
541027	2-26	6430	Phila	NSD Brook	radio comp house	704
548368	2-26	6437	Wash	NY	radio matrl	893
548367	2-26	6436	Wash	Phila	"	893
548155	2-26	6435	Wash	Cambridge	"	893
548152	2-26	6431	Wash	GE	"	893
548153	2-26	6432	Wash	Beth	"	893
442167	2-26	6422	Wash	Phila	insulators	907
547642	2-26	6418	Wash	NY City	radio receiver	1041
547643	2-26	6419	NSD	Whitehall	panels	1041
545697	2-26	6435	Wash	NY	tel set	573-6
547626	2-26	6387	Wa sh	Port	coils	114-0-6
548154	2-26	6434	Wash	Cambridge	radio matrl	893
546054	2-28	6464	Phila	MI	amplifer	898
545226	2-28	6405	Phila	Jersey City	Lib engine	918
545226	2-28	6445	Rock	Jersey City	canc part of SO 6285	918
544828	3-1	6470	Wash	Oakland	radio	704
544828	3-1	6469	MI	Oakland	"	704

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Number.	Date.	From or To—		Subject.		
548383	3-1	6477	Wash	Puget Sd	uni wave key	809
548382	3-1	6476	Wash	"	"	847
540119	3-1	6466	NSD	MI	canc of 6329	898
547638	3-1	6467	Wash	Annap	amendment of 6411	920-1
548267	3-1	6465	CO	Nation Elec Sup Co	Receiver	516-6
548393	3-2	6468	Wash	Annapolis	meter	797
549062	3-2	6479	NSD	NY City Whitehall	batteries	882-1
544761	3-2	6475	NSD	Phila AF	radio trans	918
549201	3-3	6478	NSD	Annapolis	sound	797
514973	3-5	6513	NSD	Radio	tools	841
514973	3-5	6514	H RDS	"	"	841
543763	3-5	6494	NSD	Airc Fact	radio trans	736-50
549072	3-7	6519	Key West	Norfolk	sound equipment	797
544674	3-7	6522	NSD	St Thomas	spark gaps	863
549389	3-5	6496	GE	Coco Solo	radio trans	918
542212	3-7	6520	Phila	Pens	amend of 6412	918
549395	3-7	6497	Ham Rds	Airc Fac Phila	spark trans equipmts	918
549388	3-7	6495	Anacostia	Howden Eng.	radio equipment	918
549404	3/7	6521	Washington	SO Norf	Insulators	78-0-6
549805	3-8	6518	Boston	Ham Rds	condenser	865
549396	3-8	6498	Pensa	Airc Fac	trans	918
546376	3/8	6523	Norf	CO	Compass	195-Q-6

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Number.	Date.	From or To—		Subject.		
545226	2-15	6285	Rockaway	Deslauries Column Mould Co	eng and pump	918
546289	2-15	6320	Puget Sd	PH	batteries	882-1
546470	2/16	6340	Washn	SO Pug Snd	Equipments	562-6
520288	2-16	6330	Washn	Annp.	canc of 4629	820
546468	2-16	6342	NSD	New Leden	radio	904
546471	2-16	6341	Wash	AFPh	radio	918
546047	2-17	6316	NSD	Cavite	radio	806
546048	2-17	6317	NSD	Guam	matrl	813
527296	2-17	6354	Wash	Puget Sd	rec	845
546049	2-17	6318	Bo Brook	Tutuila	radio matrl	846
546046	2-17	6315	NSD	P.H.	radio matrl	852
546045	2-17	6314	NSD	Great Lakes	radio matrl	854
546050	2-17	6351	NSD	Peking	radi matrl	857
541197	2-17	6328	Phila AF	Phila	amendment of 5982	882-1
546043	2-17	6312	NSD	MI	radio matrl	916-2
546044	2-17	6313	NSD	Puget Sd	radio matrl	916-6
546479	2-17	6356	Phila	FAD BURNS	radio ge tripods	918
546480	2-18	6359	Wash	Chasn	leading coil	807
546481	2-18	6360	Wash	Key West	coil	817
546462	2/17	6326	Phila	CO	Wave meter	1-E-6
542825	2/17	6323	Phila	Guantanamo	Material	1-Z-6
542825	2/17	6324	Brook	"	Apparatus	1-Z-6
546321	2-19	6362	AFPh	NY	radio	652
547035	2-19	6372	Phila	Managua	radio matrl	858

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Number.	Date.	From or To—		Subject.		
540119	2-19	6329	NSD	MI	amplifier	898
547027	2-19	6361	Wash	Bur	amplifer	898
547031	2-19	6325	Wash	H Rds	radio matrl	918
546476	2-19	6352	Anacos	PEAD BURNS	radio	918
547038	2-19	6371	AFPh	Rockaway	send rec switches	918
547034	2-19	6364	Anacos	Jersey City	radio	918
546496	2-19	6355	San Diego	So San Frisco	radio towers	920-15
547036	2-19	6362	NSD	Pt Arthur	radio wave charger	1026
546654	2-19	6353	Puget Sd	San Pedro	radio ampl	420-6
547637	2-23	6410	NY	Annapolis for OHIO	telephone	902
547631	2-23	6407	GE	Long Island City	radio trans	918
547104	2-24	6373	Wash	San Diego	amplifiers comp coils	736-40
547104	2-24	6374	NSD	San Diego	insulators	736-40
547104	2-24	6375	Phila	San Diego	material	736-40
504016	2-24	6409	Wash	Phila	amendment of 3582	761
547629	2-24	6386	Wash	Ports	coils	106-0-6
547640	2-24	6413	Bost	CO BRIDGEPORT	condensers	8-X-6
547641	2-24	6414	Brook	CO DIXIE	detecters	188-6
545574 BX	2-24	6415	Brook	Western Elec Co	dynamotor	89-Q-6
~~542213~~						
545212	2-24	6412	AFPhila	Pensacola	insulators	918
547625	2-24	6388	Norf	Annapolis	clothing	920-1
547638	2-24	6411	Wash	Anna	radio matrl	920-1

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Number.	Date.	From or To—		Subject.		
543252	1-29	6084	Wn	Reid Va	vac tubes	761
543252	1-29	6083	GE	"	trans and recv.	761
540739	1-29	6108	Wn	Annp	tubes	323-6
540739	1-29	6109	CO	Bur Stds	tubes	323-6
542588	1-29	6086	Bost	CO	battry	89-Q-6
543514	1-31	6129	Bos	N.Y.	buzzer	573-6
542938	2-1	6151	Wn	MI	meter	689-7
542009	1-31	6081	MI	PH	radio amplifer	736-60
543519	2-1	6132	Norf	Puget Sd	generators	845
543512	1-29	6110	GE	Aird Fac Ph	radio	918
543464	1/31	6130	Phila	Annapolis	Ammeter	323-6
543523	2-1	6154	Phila	CO	Battery	551-6
542825	1/31/21	6067	Brook	Guantanamo	Apparatus	1-Z-6
499154	1/31/21	6131	Brook	FR	Apparatus	123-0-6
524789	2-1	6159	Washn	Annap	canc of 2 items 4901	707-1
543524	2-1	6152	GE	Rockaway	radio	736-39
543513	1-31	6128	NY	Puget Sd	buzzer (Idaho)	563-6
520291	2-1	6157	CO MELVILLE	Washn	appr.	510-6
544036 38	2-2	6177	MI	Rec Sta Marize	elec matrl	813
537188	2-1	6155	Pt Isable	NY	gen	853
536280	2-2	6158	Washn	Phila AF	batteries	918
541780	2-3	6192	Ph	St Petersburg	devices	1033
541780	2-3	6191	Bos	"	canc of 6016	1033

RADIO SHIPMT REQSTS 1921

Number.	Date.	From or To—		Subject.		
543981-	2/3/21	6161	Washn	Annapolis	Telephone	323-6
536772	2/3/21	6290	Brook	NL	Regulator	305-6
543979	2-3	6160	Nav Sup Dep	Norf	Bakelite rod	898
526904	2-5	6208	Phila	Naval Obdrvatory	battery	909
544286	2-4	6193	M.I.	CO CELTIC	radio rec	152-6
544621	2-7	6210	Phila	Cleveland	amplifier	1004
544624	2/8	6228	Phila	Norf	brushes	1661-K-6
544623	2-8	6227	Phila AF	Anacos	avia matrl	918
523587	2-10	6234	H Rds	Ried	radio helmets	761
544674	2-8	6214	Ph	St Thomas	radio ammature	863
544674	2-8	6226	MI	"	spark gap units.	863
536913	2-8	6213	Puget Sd	PH	canc of 5701	882-1
544620	2-7	6212	Phila AF	Guantanamo Cuba	lamps	918
542474	2-10?	6237	Phila AF	Coco S	trans	918
544674	2-8	6225	Bost	St Thomas	conde sers	863
545697	2/11	6266	Washn	D N	Tel Set	573-6
543523	2/11	6270	Phila	CO WADSWORTH	Battery	551-6
537875	2-11	6277	Phila AF	Gloucester	vac tube	898
542474	2-11	6236	Wash	Coco Solo	avia matrl	918
545698	2/12	6268	Phila	Washn	Compass	283-6
518423	2-14	6280	Ph	Annapolis	radio comps plugs	797
524859	2-14	6311	Wash	Norf	coils	78-0-6
524859	2-14	6281	Wash	Norf	rec equip	78-0-6

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RADIO SHIPMENT REQST 1921

Number.	Date.	From or To—		Subject.		
541797	1-24	6044	GE	Lewis & Vought	rec equipments	918
541788	1-24	6043	GE	Anacostia	"	918
541207	1-24	6029	N.Y.	Boston	tele trans	205-6
536210	1-25	6047	Boston	New London	radio	747-8
542038	1-25	6063	Boston	CO KANSAS	cond	255-6
521207	1-25	6046	Wash	Boston	appara	17-K-6
542334	1-25	6051	Phila	CO DIXIE	battery	188-6
542333	1-25	6050	Wash	CO OHIO	radio tel	323-6
542336	1-26	6065	Boston	Morehead City	radio condenser	800
542337	1-25	6064	Great Lakes	NY	radio	854
542339	1-26	6060	MI	Cavite	radio buzzers	806
541864	1-24	6042	Airc Fac	PENNSYLVANIA	vac tubes	898
542009	1-27	6078	AFPh	PH	radio	736-60
534588	1-29	6091	Garden City	Phila	eng and propl	736-57
542009	1-27	6079	Was	PH	radio	736-60
542009	1-27	6080	Puget Sd	PH	radio	736-60
541791	1-28	6103	Air Fac	Ham Rds	microphone trans type	736-34
541789	1-28	6101	AF Phila	Rockaway Beach	trans	736-39
541795	1-28	6107	"	San Diego	Radi o	736-40
541793	1-28	6105	Phila AF	Coco Solo	radio	736-41
541790	1-28	6102	Phila AF	Anacostia	radio	736-43
541794	1-28	6106	Phila AF	PH	radio	736-60
540992	1-27	6048	Ph	St Petersburg	radio	1033

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Number.	Date.	From or To—		Subject.		
541213	1-22	6017	Norf	New York	gaskets	898
541214	1-21	6018	"	Phila	"	898
541633	1-21	6001	"	Pearl Harbor	"	898
541212	1-22	6005	"	Boston	"	898
541205	1-21	5997	Airc Facty	San Diego	switches	918
541782	1-22	6021	Wash	Anacos	amplifiers	918
541206	1-21	6000	Airc Facty	Coco Solo	switches	918
541779	1-22	6015	Boston	Bar Harbor	devices	919-3
541195	1-22	6013	Washn	"	cancl of 5981	919-3
540751	1-22	6014	"	St Petersburg	canc of 5980	1033
541780	1-21	6016	Boston	St Petersburg	devices	1033
537943	1-24	6028	So Brook	Paris France	radio	787-1
537943	1-24	6027	Wash	"	"	787-1
541199	1-21	5988	Washn	Puget Sd	wavemeters	847
531575	1-24	6020	Annapolis	N.Y.	arc chamber	920-1
541783	1-22	6024	Greenburg Pt Washn	CO DAKOTA	amplifier	321-6
541207	1-24	6041	Washn	So Boston	hand key	205-6
540558	1-18	5959	Brook	CO TENN	hand carts	573-6
541798	1-25	6045	GE	AFPh	rec equipments	918

Number.	Date.	From or To—		Subject.		
539815	1-14	5913	Washn	Cavite	vacuum tubes batteries	806
539863	1-14	5915	"	Navy Bldg.	battery	882-1
539864	1-14	5917	Airc Facty	Washn	vac tubes	898
539318	1-12	5859	"	Guantanamo	matrl for gen assemblies	918
539851	1-13	5893	Washn	Boston	radio receivers	919-1
539321	1-12	5888	So Brooklyn	Puget Sd	trans	919-1
539860	1-14	5911	Washn	Gr Lakes	receivers	919-1
539856	1-14	5906	Washn	Chasn	radio recs	919-1
539857	1-14	5907	Washn	New Orlns	radi recs	919-1
539854	1-14	5894	Washn	NY	recs	919-1
539855	1-14	5895	Washn	Norf	recs	919-1
539858	1-14	5908	Washn	Mare Island	recs	919-1
539861	1-14	5910	Washn	Phila	recs	919-1
525195	1-15	5932	Wn	Phila	repair parts for recs etc	689-15
539862	1-14	5912	Norf	Chasn	insul	807
539859	1-14	5909	Wn	Puget Sd	radio recie ers	919-1
525988	1-15	5929	Boston	Siasconsett	batteries	1031
519288	1-15	5930	H Rds	MI for Farralon	eng lathe	811
540377	1-15	5927	Wn	Garden City	vac tubes	918
540372	1-14	5924	AFPhila	SO Phila	radio appr.	918
534820	1-14	5926	Phila	Phila ~~xxx~~cmodf of 5570)		918
540373	1-14	5925	Wn	AFPhila	vac tubes	918
540310	1-18	5960	Phila	H Rds	insulators	736-34

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Number.	Date.	From or To—		Subject.		
540736	1-18	5962	Airc Fac Ph	Pensacola	propellers	918
540735	1-18	5958	Wn	Phila Airc Fac	transformers	918
540741	1/18	5966	Washn	Pug Snd	Tel Eqpt	563-6
540742	1/18	5967	Washn	Pug Snd	Equipts	131-6
541092	1-19	5968	Boston	Dutch Harbor	(Puget Sd) engine lathe	845
541202	1-20	5994	Wn	Puget Sd	condensers	845
537793	1-18	5961	Wn	GE	radio matrl	876
541197	1-20	5982	Phila AF	Phila SO	batteries	882-1
540738	1-18	5963	AFPhila	Phila SO	assemblies and variometers	918
541195	1-20	5981	Wn	Bar Harbor	protective devies	919-3
540748	1-19	5979	MI	Puget Sd	relay key	1015
540747	1-19	5978	MI	Puget Sd	radi matrl	1016
541751	1-20	598 0	Wn	St Petersburg	devices	1033
541201	1-20	5990	Wn	Puget Sd	radio matrl	809
541200	1-20	5989	Wn	Puget Sd	radio wavemeters	845
541210	1-21	6003	Norf	MI	gaskets	898
541209	1-21	6002	Norf	Cavite	gaskets	898
541211	6004	6004	Norf	Puget Sd	gaskets	898
541204	1-21	5996	AFPh	Pensa	send rec switches	918
541203	1-21	5995	AFPh	Rockaway	"	918
541198	1-20	5987	AFPh	Anacos	trans	918
539143	1-22	6025	Norf	Pensa	spark gap units	736-38
535126	1-22	6026	So Brook	Balto	spark gap	874

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536913

Number.	Date.	From or To—		Subject.		
534816	12-30	5715	Wash	Phila	condenser	919-1
~~536698~~	12/29	5701	Puget Sd	P.Harbor	batteries	882-1
536279	12/29	5692	Wash	Phila	batteries	918
536280	12/29	5693	Phila	Phila		918
537133	12/29	5702	Was	H Rds	appr.	918
537134	12/29	5703	H Rds	CO	appr.	918
536270	12/27	5674	Brook	Puget Sd	spark gaps	1015
535975	12-29	5696	Washn	CO	Apparatus	312-6
523712	12-31	5722	Washn	Norf	Apparatus	522-6
536284	1-3/21	5734	Washn	Union	Gas Engine	562-6
537696	1/3	5736	Phila	NY City	vac tubes	7 7
482433	1/3	5741	Wash	Phila	radio comp house	772
537833	1-4	5749	Norf	Constantinople	detector	787-1
538017	1-5	5769	Norf	MI	wave changer	837
538016	1-5	5768	Norf	Puget Sd	wave changers	895
538019	1-5	5770	Washn	MI	telegraphones	895
530419	1-3	5721	Wash	PENNSYLVANIA	telephones	898
538178	1-5	5761	Phila	Anacostia	stg batteries	918
538012	1-4	5750	Phila AF	H Rds	switches	918
538014	1-4	5766	Norf	G Lakes	radio comp	919-57
538015	1-4	5767	Bost	GL	radio comp key	919-57
531160	1/5	5771	Phila	CO	Apparatus	533-6
533615	1-6	5790	AF Phila	Anacostia	radio batteries	882-1
539320	1-12	5887	MI	Puget Sd	radio comp coil sys	919-1

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Number.	Date.	From or To—		Subject.	
538765	1-7	5807	Washn	Keyport wavemeter	833
517436	1-6	5777	Washn	San Juan ((4407) cancellation canc)	835
520600	1-6	5776	Wash	Coco Solo((4634) cancellation	850
538032	1-7	No serial	AF Ph	Wash vac tubes	898
538022	1-6	5772	Wash	Navy Bldg shafts	898
538023	1/6	5774	AFPh	San Diego batt	918
538767	1-7	5809	Brook	Washn Receiver	1-X-6
480172	1-7	5791	Phila	Hamp Rds wavemter	761
538030	1-7	5792	MI	Cavite hand carts	897-1
537875	1-8	5820	Wash	Glou vac tubes	898
537875	1-8	5819	Airc Fac Ph	Glou vac tubes	898
538023	1-8	5821	Phila	San Diego (5774) amendment	918
538771	1-8	5822	Wash	San Diego radio recs	918
539303	1-10	5846	Wash	Puget Sd radio st	898
538020	1/4	5847	Brook	Annapolis Telephone	323-6
491322	1-11	5849	Wash	San Pedro MC (4342-canc)	761
494140	1-11	5856	Wash	Ph MC (3066-canc)	761
539484	1-11	5858	MI	So Brook radio rec	898
539012	1-11	5857	Wash	Phila vac tubes	898
539319	1-12	5886	NY	Bureau Standards Low relay	916
532615	1-12	5868	Norf	Cape Hat mech tools	1002
539322	1-12	5889	Washn	Puget Sd radio compass	919-1
539850	1-13	5892	Wash	MI radio comp	919-1
539848	1-13	5890	Wash	Puget Sd radio recs	919-1

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Number.	Date.	From or To—			Subject.	
534820	12-16	5570	Airc Facty	Phila S.O.	radio apparatus	918
534325	12-15	5565	Brook	Boston	Trans set	18-K-6
"	12-15	5566	Washn	Boston	Apparatus	"
"	12-15	5567	Norf	Boston	Battery charging panel	"
534820	12/16	5569	Norf	Phila	radio comp	918
535142	12/17	5611	Phila AF	SHAWMUT	radio batteries	918
534824	12/17	5584	Norf	SHAWMUT	radio batteries	918
534827	12/17	5610	Wash	Boston	trans key	321-6
534904	12/17	5583	Norf	CO KANSAS	radio	255-6
530420	12-18	5612	Boston	Balboa	radio generators	882-3
530420	12-18	5608	Boston	MI	"	882-3
530420	12-18	5609	Boston	Puget Sd	radio	882-3
530420	12-17	5606	Boston	Cavite	"	882-3
530420	12-17	5607	Boston	Pearl Harbor	radio motor gen	882-3
533578	12-18	5615	Ports	Washn	insul	911
534825	12-17	5585	AFPhila	Annapolis	radio	918
535388	12-18	5625	Amacos	Phila AF	pigeons	E 07
535389	12-18	5627	Washn	NY	Apparatus	529-6
535382	12/18	5621	GE	San Diego	radio equipmts	918
535379	12/18	5618	GE	San Domingo City	radio (amend 12/20)	919
535395	12/21	5631	Wash	MI	radio tips	857
501795	12/21	5632	Wash	Puget Sd	radio rec	898
501795	12/21	5634	Pug Sd	Wash	rec	898

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Number.	Date.	From or To—		Subject.		
535855	12-21	5646	Phila	Phila	radio appr.	918
535856	12-21	5647	Wash	Phila	"	918
535380	12-18	5619	GE	San Diego	radio	918
535397	12-21	5633	H Rds	Phila AF	radio trans	918
536059	12-22	5682	So Brook	Cap Mala	stg battery	607
535383	12-21	5622	GE	Coco Solo	radio trans equipmts	918
535381	12-21	5620	GE	Pensacola	radio trans	918
535384	12-21	5623	GE	Rockaway Beach	radio	918
535385	12/21	5624	GE	H Rds	radio	918
533126	12-22	5648	MI	San Juan	radio	920-4
536048	12-23	5666	Washn	Boston	Apparatus	455-6
535872	12-23	5654c	Washn	Norf	Ted Sets	133-6
536241	12-27	5567	Brook	CO	Apparatus	255-6
535379	12-27	5675	Washn	Hamp Rds	Tubes	919
536237	12-28	5676	Washn	Boston	Apparatus	455-6
525081	12-28	5691	NY	Washn	Apparatus	316-6
537104	12/30	5717	Washn	San Diego	receivers	747-40
537104	12/30	5718	MI	San Diego	vac tubes	747-40
537104	12/30	5716	Phila	San Diego	trans	747-40
537136	12/30	5719	NO	Puget Sd	loading coil	833
537135	12/30	5713	So Brook	Puget Sd	radio trans	872
537135	12/30	5712	Wash	Astoria	radio trans	872

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[OVER.]

Number.	Date.	From or To—		Subject.		
530649	11-29	5342	Brook	Guantanamo	Delco unit	814
530668	11/30	5345	Washn	Annapolis	insuoators	323-6
531578		5366	see 898			
531833	11/30	5365	Phila	Norf	panels	522-6
531160	11/29	5340	Phila AF	CO BRIDGE	radio appr	533-6
531583	11-30	5362	Washn	Sheffield & Betts Washn	wave chantger	896-1
531582	11-30	5361	Phila	NY	Insulators	130-6
531572	11-29	5344	Annapolis	CO	Gen	323-6
529134	12/1	5378	Washn	Darien	ammeter	851
532103	12-1	5382	AF Phila	SHAWMUT	radio	918
532105	12-2	5384	SHAWMUT	Phila AF	radio	918
531590	12-1	5380	Washn	AFPhila	vacuum tubes	918
531591	12-1	5351	Washn	SHAWMUT	vac tubes	918
516476	12-2	5387	Norf	Grand Isle	volt and a meter	919-17
532104	12-2	5383	Phila	CO	Tube Detector	290-6
532109	12-4	5402	Washington	Pearl Harbor	radio apparatus	852
532358	12/6	5404	GE	Yorkshire Eng.	radio trans equipments	918
532360	12-6	5438	Phila	Puget Sd	amplifiers	919-1
532204	12-6	5436	Phila	Miami	spark gap	1022
532359	12-6	5435	Washin	NY City	vac tubes	707
532365	12-7	5447	FSB	Anacostia	radio phone	902
532362	12/6	5441	Wash	Puget Sd	receivers	919-1
532363	12/6	5442	M.I.	Puget Sd	comp coils	919-1
532103	12/1	5382	Phi	Shaw	radio	918

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Number.	Date.	From or To—		Subject.		
520018	12/8	5468	Washn	Cavite for Los Banos canc of SO of 10/1		806
532541	12-8	5466	Wash	OHIO	radio wavemeters	~~323-6~~
531839	12-7	5444	NN	Norf	radio matrl	~~181-Q-2~~
533265	12-7	5462	AFPh	Yorkshire	vac tubes	~~918~~
533269	12-7	5467	GE	Anacostia	airc radio trans	~~918~~
532368	12-7	5445	AFPh	Garden City	radi o gen assem	~~918~~
532368	12/7	5461	Garden City	AFPh	radio	~~918~~
533266	12-7	5463	Union	AFPh	trans	~~918~~
533267	12-8	5464	Beth	Phila	trans	~~918~~
532132	12-8	5474	MI	San Diego	wavemeter	~~736-40~~
532132	12-8	5473	AFPh	San Diego	radio trans	~~736-40~~
532029	12-8	5480	Phila	Anacostia	ammeters	736-43
533216	12-8	5476	Wash	Ship Bd Wash	radio amplifer	771-2
533610	12-10	5481	FSB	CO Guantanamo	radio trans set	~~736-59~~
~~533614~~	~~12-11~~	~~5482~~	~~Washn~~	~~Boston~~	~~Hand Keys~~	~~455-6~~
534336	12-14	5547	Washn	Anacostia	amplifier	~~736-43~~
534332	12/13	5483	Washn	Norf	radio receivers	771-2
534338	12/14	5550	Brook	BRIDGE	vac tubes	918
534933	12/14	5551	Hamp Rds	BRIDGE	battery	918
534341	12-14	5564	Anacostia	San Domingo City	radio pigeons	1207
534333	12-13	5541	AFPh	Wash	radio transformers	918
534819	12/16	5571	Wash	Phila	radio appr	918

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[OVER.]

Number.	Date.	From or To—		Subject.		
487611	11-17	5195	Pt Isabel	Boston	mica condensers	853
481493	11-17	5197	Phila	San Diego	gen assemblies	918
528692	11-17	5196	Washn	Bar Harbor	meter	920-2
528832	11-17	5161	FSB	St Petersburg	radio rec	1033
481493	11-17	5202	San Diego	Phila AF	gen assemblies	918
529496	11-18	5220	Norf	Annapolis	arc key	920-1
529392	11-18	5229	Washn	CO	Apparatus	1661-K-6
528844	11-16	5166	Washn	CO	Apparatus	30-N-6
529891	11-19	5246	Phila	Boston	ammeter	707-1
529908	11-20	5233	Washn	San Diego	amplifiers	736-40
~~529908xxxxxx11-20x~~ 529498	11-18	5222	AFPhila	Garden City	gen assembly w propel	918
528844	11-16	5242	Washn-	Union	Apparatus	30-N-6
470460	11-19	5248	Washn	Squantum	Apparatus	264-Q-6
530395	11-22	5276	Phila	CO	Coil Frame	323-6
521084	11/20	5230	Washn	Puget Sd	radio	689-17
529882	11-19	5247	Phila	Boston	radio	707-1
529908	11-20	5232	M.I.	San Diego	vacuum tubes	736-40
529894	11-22	5262	Washn	Pt Isable	arc key	853
529891	11/19	5260	Wash	Bur Stds	radio	904
505737	11-22	5268	FSB	Phila	insulators	911
529499	11/19	5223	Anacostia	Gallaudet	mount and bd	918
530400	11/23	5281	Puget Sd	Anacostia	devices	736-43
530398	11/23	5278	Puget Sd	San Juan	radio	835

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Number.	Date.	From or To—		Subject.		
530397	11-23	5277	Puget Sd	M.Island	devices	842
530401	11-23	5282	"	Balboa	"	850
530402	11/23	5283	"	P.Harbor	radio	852
529892	11/22	5261	Washn	N.Y.	transformers	904
530399	11/23	5279	Puget Sd	Wash Bur Stds	devicess	916
509539	11-23	5265	Brook	Phila	Apparatus	918
ENG 232/21	11-27	5321	McCook Field	Anacostia	propls	DAR
529345	11-23	5287	Wash	Boston	leads	205-6
529346	11-23	5288	Wash	Norf	leads	522-6
527611	11-9	5099	Wash	NY	sig key	323-6
529497	11-18	5221	Norf	CO	relay key	323-6
529347	11-23	5289	Wash	N.Y.	leads	130-6
530411	11-24	5306	Wash	CO	battery	189-Q-6
530405	11-24	5301	Schenc	H Rds	trans equipment	918
530403	11-24	5291	GE	Brook	airc radio phone equip	918
530407	11-24	5303	GE	Coco Solo	trans equiment	918
530406	11-24	5302	GE	Pensacola	trans equipment	918
530413	11-24	5307	Wash	Airc Fac Phila	switches	918
530404	11-24	5294	Wash	Jupiter	radio	919-35
530415	11-26	5309	Wash	Annapolis	cable	920-1
523712	11-27	5338	Phila	Norf	Insulators	522-6
523712	11-27	5339	Washn	Norf	Apparatus	522-6

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[OVER.]

Number.	Date.	From or To—		Subject.		
525025	10-28	4956	Puget Sd	M.Island	radio recievers	689-7
525724	10/29	4974	Anacostia	Phila Airc Facty	helmets	918
525746	10/30	4975	Phila	Norf	radio compass	704
526436	11-2	5016	FSB	Airc Facty	tubing	918
526441	11-2	5025	Mitchell	Anacostia	radio outfit	918
526444	11-2	5026	Anacostia	Phila Airc Fac	modf variometer	918
526450	11-4	5028	Wash	Anacostia	radio	736-43
526448	11-3	5027	Airc Phila	Anacostia	radio appr	918
527262	11/6	5063	Pac Flt	San Diego	18 Pliotron tubes	24-771
527262	11-5	5062	Pac Flt	Airc Fac Ph	trans	24-771
527170	11/6	5069	Phila	Jupiter	gas engine gen unit	816
527169	11-6	5068	Phila	Siasoncett	set of spares	1031
527602	11-6	5071	Wash	Rockaway	radio receiver	1042
519288	11-6	5082	H Rds	M[I]sl	drill	811
527605	11-8	5072	Wash	Annapolis	radio trans	920-1
527611	11-8	5084	Washn	CO	Receivers	323-6
527612	11-8	5086	Washn	NY	Gens	130-6
527619	11-9	5103	Anacostia	Akron	models radio equipment	918
527395	11-10	5118	Hamp Rds	Airc Fac Ph	radio	689-31
527620	11-10	5108	Washn	Anacostia	amplifer	918

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Number.	Date.	From or To—		Subject.		
527613	11-8	5085	Washn	Norf	Gen	522-6
527614	11-8	5091	Washn	Boston	Gens	205-6
526634	11-11	5119	FSB	CO	amplifier	699-771
519577	11-11	5120	Boston	Balboa	condensers	882-1
528255	11-11	5133	Washn	CO	Receiver	521-6
528254	11-11	5121	Washn	CO	Receiver	153-6
528256	11-11	5134	FSB	Phila	spark gaps	828
528258	11-11	5146	Washn	Phila AF	batteries	918
528446	11-13	5160	Washn	North Head	wave meter	825
528828	11-13	5151	Washn	Phila Airc Fac	stg batteries	918
528259	11-12	5147	Airc Fac Phila	Anacostia	radio gen	918
528829	11-13	5152	NY	N.Orlns	Delco gas eng gen	919-24
511533	11-12	5149	Phila	NYS	Booth	45-B-6
518693	11-13	5159	Brook	FR	Insulators	123-0-6
528833	11-15	5163	Norf	CO	Receiver	1658-K-6
529346	11-16	5176	Washn	Norf	Receivers	522-6
529347	11-16	5177	Washn	NY	"	130-6
522858	11-16	5165	Brook	Union	Apparatus	30-N-6
529357	11-17	5194	Boston	Pt Isabel	condensers	853
529348	11-16	5180	Boston	Washn	Recirs	205-6
529345	11-16	5175	Boston	Washn	Recirs	205-6
529351	11-16	5192	Boston	Norf	Apparatus	78-0-6
529352	11-16	5193	Norf	CO	Gen	383-6
529349	11-16	5181	Norf	Washn	Recirs	522-6

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[OVER.]

Number.	Date.	From or To—		Subject.		
522233	10/14	4784	Washn	Puget Sd	trans	1016
520950	10-6	4685	Boston	Lake	App	119-0-6
495786	10-14	4786	Brook	Lake	Apparatus	119-0-6
522876	10-15	4799	Brooklyn	Boston	Apparatus	97-Q-6
522878	10/15	4801	Boston	Guantanamo	radio cable	814
522877	10/15	4800	Washn	Bur Stds	radio amplifer	898
522875	10/15	4798	Washn	Anacostia	"	898
520299	10/15	4809	Washn	Bur Stds	"	898
522873	10/14	4787	Phila	Jupiter	condenser	919-35
522880	10/15	4807	FSB	Norfolk	quenched gap	1002
523135	10/16	4803	Boston	Chatham	batteries	919-23
522882	10/15	4821	Phila	Brook	appr.	699-771
522891	10/18	4844	Norf	Anacostia	radio appr.	902
523255	10-18	4843	Washn	Pitts	Apparatus	342-6
522858	10-15	4810	Brook	CO	Apparatus	30-N-6
522858	10-18	4851	Brook	NY	Apparatus	30-N-6
523098	10/19	4850	Washn	N.Orlns	radio appr.	821
523711	10-20	4868	NY	Washn	Receivers	130-6
523715	10-20	4871	CO	CO Chasn	Transmitter	142-6
521387	10-19	4853	Washn	Boston	Transformers	189-6
523714	10-20	4870	Boston	Washn	Receivers	455-6
523712	10-20	4869	Norf	Washn	Receivers	522-6
522368	10-19	4845	Washn	CO	Apparatus	113-0-6
502997	10-19	4849	Washn	Lake	Apparatus	119-0-6

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Number.	Date.	From or To—		Subject.		
523706	10/19	4846	Phila	Coco Solo	helmets	736-41
519250	10-20	4877	Washn	Norf	vacuum tubes	916-4
523910	10-20	4861	Norf	Jupiter	storage battery	919-35
523716	10/22	4877	Washn	Balboa	radio receiver	867
519250	10-21	4854	Washn	Norf	relay key	916-4
523720	10/22	4897	Phila Airc Fac	Pac Fleet	switches	918
523719	10/22	4896	Phila	Shawmut	switches	918
502997	10-22	4862	Yale	Washn	Spark Gap	119-0-6
523724	10-22	4872	Washn	Co	Apparatus	153-6
523721	10-22	4898	Phila	SO	Radio Compass	251-6
523716	10-26	4881	Norf	Annapolis	Apparatus	707
515340	10-26	4878	NY	Washn	Apparatus	856
511598	10-26	4882	NY	Miami	Apparatus	1029
525718	10-26	4879	NY	St Petersburg	Apparatus	1033
524769	10-26	4901	Washn	Annapolis	Apparatus	707-1
477695	10-25	4955	Washn	CO	Coils	130-6
482435	10-25	4924	Norf	Washn	Apparatus	772
502040	10-26	4971	Washn	CO	Spare parts	323-6
525438	10-27	4955	Phila	SO	Coils	930-16
525441	10-28	4959	Washn	Chasn	App	667
504031	10-28	4970	Phila	Gloucester	Relay Key	1200
504574	10/28	4972	Phila	NY	radio trans set	652

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Number.	Date.	From or To—		Subject.		
520422	10/6	4686	Washn	Mitchell Field	radio appr.	736-57
520850	10/6	4683	Washn	CO	"	699-771
520851	10-6	4684	"	Peking	insulator	857
520950	10-6	4685	Boston	Lake	Apparatus	119-0-6
521214	10/7	4709	Anacostia	Hamp Rds	appr	736-34
521128	10/7	4711	Washn	Coco Solo	radio	736-41
521212	10/7	4704	Phila	Anacostia	radio	736-43
521209	10/7	4702	Washn	N.Orlns	arc key	817
521127	10/7	4690	Boston	Bath	stg batteries	882-1
521206	10/7	4698	Washn	Annapolis	radio compass	919
521208	10/7	4701	Washn	St Petersburg	"	1033
521225	10/8	4716	Washn	Fire Island	wave meter	812
521223	10/8	4714	Washn	Boston	"	843
521497	10/8	4720	"	N Londn	"	861
521221	10/8	4713	"	Seawall	wave meter	920-2
521224	10/8	4715	"	Siasconsett	"	1031
521226	10/8	4718	"	Rockaway	wavemeter	1042
521495	10/8	4719	"	Cape May	wave meter	1043
521502	10-9	4724	"	Morehead City	wave meter	800
520856	10/7	4695	Norfolk	Annapolis	radio arc trans sets	898
521218	10/7	4712	Washn	Chasn	radio receiver	898
521503	10/9	4725	Washn	Cape Hatteras	wave meter	1002
521506	10/9	4728	Washn	Mobile	wave meter	1024
521505	10/9	4727	Washn	Pt Arthur	wave meter	1028

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Number.	Date.	From or To—		Subject.		
521504	10/9	4726	Washington	Savannah	wave meter	1028
521498	10/8	4721	Washington	Virginia Beach	"	1034
~~521507~~	~~10-9~~	~~4729~~	~~Washington~~	~~Chasn~~	~~Apparatus~~	~~22-G-6~~
387200	10/11	4740	Annapolis	Sparrows Point	radio trans set	707
521491	10-12	4768	Washington	Dahlgren	radio	736-54
521491	10-12	4761	Airc Fac Ph	Dahlgren	"	736-54
522197	10-12	4754	N.Y.	Guantanamo	storage batteries	814
514973	10-11	4762	Hamp Rds	Washn for Radio Va		841
521515	10-12	4752	Washn	Port Royal	wavemeter	848
521514	10-12	4751	Washn	Balto	"	874
~~522218~~	10/12	4758	Washn	Jacksonville	"	1014
521513	10/12	4750	Washn	Mantoloking	"	1021
522217	10/12	4753	Washn	Wilmington	"	1036
~~520219~~	~~10-12~~	~~4759~~	~~Washn~~	~~NY~~	~~Apparatus~~	~~573-6~~
522228	10-13	4774	FSB	Anacostia	radio	736-43
522227	10-13	4773	Airc Fac Ph	Anacostia	"	736-43
522230	10/13	4776	Washn	Norf	amplifier	898
522229	10/13	4775	FSB	Phila Airc Fac	bakelite	918
519109	10/14	4783	Norf	Key West	vac tube detectors	817
519109	10/04	4782	Washn	Key West	radio	817
~~522234~~	10/14	4785	Norf	Bur Standards	decremeter	893-4

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Number.	Date.	From or To—		Subject.		
520025	10-1	4593	Washn	M.I.	radio	842
520020	10-1	4589	Washn	Tautuila	radio	846
519480	10-1	4585	Wash	Pekin	radio	857
520022	10-1	4590	Wash	St Thomas	"	863
519479	10-1	4584	Wash	Coco Solo	"	867
520291	10-2	4632	CO	Washn	Apparatus	510-6
520290	10-2	4631	CO	Washn	Apparatus	138-6
520289	10-2	4630	Phila	Annapolis	radio motor buzzer	820
520288	10/2	4629	Wash	"	radio sets	820
520282	10-2	4613	Washn	Port au Prince	amplifier	865
520281	10/2	4612	Washn	Alpena	wave meter	870
520288	10-2	4624	Washn	Annapolis	condensers	876
520283	10-2	4614	Washn	Buffalo	wave meter	1000
520035	10/2	4607	Washn	Calumet	"	1001
520037	10-2	4609	"	Cleveland	"	1004
520279	10-2	4610	"	Detroit	wave meter	1005
520280	10-2	4611	"	Duluth	wave meter	1007
520034	10-2	4606	"	Mackinac Is	"	1018
520036	10-2	4608	"	Puget Sd	tele complete w spares	1035
520604	10-4	4637	Washn	Coco Solo	wave meter	793-8
520605	10-4	4638	Washn	Coco Solo	wave meter	793-8
520601	10-4	4635	Washn	Guam	telegraphones	813
520607	10-4	4640	Washn	Pt Arguedlo	wave meter	829
520600	10/4	4634	Washn	Coco Solo	amplifier	850

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Number.	Date.	From or To—		Subject.		
520603	10-4	4636	Wash	Pearl Harbor	amplifers	852
520599	10-4	4633	Washn	Coco Solo	amplifier	867
506365	10-1	4594	Boston	Great Lakes	apparatus	919-1
506365	10-1	4600	Boston	Great Lakes	relay keys	919-1
506365	10-1	4599	Boston	Great Lakes	"	919-1
519887	10-1	4574	Phila	CG Sault Ste Marie for Grand Marias	stg batteries	919-65
520600	10-4	4641	Washn	Milwaukee	radio wave meter	1023
520610	10/4	4642	Washn	Seattle	wave meter	1030
520730	10-5	4673	Washn	Pearl Harbor	radio receivers	689-21
519288	10-5	4662	Ft Worth	M.I. for Farallon	eng lathe	811
520606	10-4	4639	Washn	San Juan	radio	835
520837	10/5	4659	Washn	GE	rammeter	876
520845	10/5	4671	"	Roller Smith	appr	876
520842	10/5	4669	"	Newark	radio	876
520841	10/5	4668	Washn	E Pitts	radio	876
520843	10/5	4670	"	Cambridge	radio	876
520579	10/5	4656	Washn	Phila	ins books	998
520847	10/5	4677	Washn	Norf	radio	902
520847	10/5	4675	Wash	Boston	"	902
520847	10/5	4676	"	NY	"	902
502980	10/5	4660	Ports	CG Ports	batte ies	919-29
520617	10-5	4658	Washn	NY	Apparatus	7-X-6
457822	10-5	4657	Phila	Norf	Coils	191-Q-6

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[OVER.]

Number.	Date.	From or To—		Subject.		
517564	9-18	4425	FSB	Guantanamo	insulators	814
517564	9-18	4426	Washn	Guantanamo	amplifier	814
517563	9-18	4424	FSB	North Head	insulators	825
517562	9-18	4423	Washn	North Head	receiver	825
517569	9-18	4436	FSB	Port au Prince	insulators	865
517568	9-18	4435	Washn	Port au Prince	receiver	865
517567	9-18	4434	Washn	Buffalo	receiver	1000
516571	9-17	4408	Pug Snd	Washn	Apparatus	562-6
517576	9-20	4440	Airc Fac Phila	Anacostia	send receive switches	736-43
517566	9-18	4432	FSB	CO	radio apparatus	699-771
517566	9-18	4432				
518001	9-20	4452	Washn	Marshfield	receiver	801
518003	9-20	4453	FSB	Marshfield	insulators	801
518000	9-20	4451	Washn	Cavite	receiver	806
517577	9-20	4441	Washn	Guam	reciever	813
517578	9-20	4442	FSB	Guam	insulators	813
517580	9-20	4444	FSB	Tutuila	insulators	846
517579	9-20	4443	FSB	Virgin Islands	insulators	863
518010	9-21	4474	Brook	San Diego	trans and rec equiments	736-40
518008	9-21	4464	Washn	San Diego	wave meter	830
518007	9-21	4460	Washn	MI	"	842
518009	9-21	4461	Washn	Peking	receiver	857
517216	9-21	4475	Airc Fac Ph	Birmingham	receiver etc	918
513993	9-21	4459	Airc Fac Ph	Washn	transformers	918

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Number.	Date.	From or To—		Subject.		
518005	9-21	4458	FSB	Tatoosh	insulators	838
516552	9-22	4333	Washn	N.Orlns	radio amplifer	919-5
516553	9-22	4334	Washn	N.Orlns	radio amplifer	919-17
516551	9-22	4332	Washn	N.Orlns	radio amplifer	919-24
518076	9-22	4484	Washn	Hamp Rds	radio	736-34
518076	9-22	4485	Airc Fac Ph	Hamp Rds	radio	736-34
518430	9-23	4487	Washn	Phila	radio receiver	898
512818	9-24	4509	Washn	CO	Apparatus	364-6
518432	9-24	4508	Washn	NY	radio amplifer	898
416860	9-28	4552	Pitts	Mare Island	insulators	842
518693	9-30	4580	Brook	Inspr FR.	Apparatus	123-0-6
519833	9-30	4575	NY	Guantanamo	radio charging panel	607
519883	9-30	4569	FSB	Guantanamo	stg battery	607
520029	10-1	4602	CO	Washn	Apparatus	154-6
520033	10-1	4604	CO	Washn	Material	342-6
520019	10-1	4588	Washn	Marshfield	wave meter	801
520018	10-1	4587	Washn	Cavite	radio	806
520023	10-1	4591	Washn	Guam	radio	813
520017	10-1	4586	Washn	San Diego	radio	830
519475	9-29	4564	Brook	Wash	appr.	838
520024	10-1	4592	Wash	Tatoosh Is	appr' (wavemeter)	838

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Number.	Date.	From or To—		Subject.		
516557	9-14	4340	Washington	Bur Standards	vacuum tubes	876
516562	9-15	4349	Airc Fac Phila	Pensacola	insulators	736-38
516561	9-15	4348	Washn	Pensa	radio	736-38
516563	9-15	4350	Washn	Anacostia	radio	736-43
516566	9/15	4351	Washn	Anacostia	compass coils	736-43
517025	9-15	4356	Washn	Cavite	receivers	806
517027	9-15	4359	Boston	Chasn	radio	807
516560	9/15	4347	Washn	Key West	arc key	817
472214	9-15	4345	Washn	CO	Appa	323-6
470269	9-15	4344	Washn	Phila	Apparatusv	323-6
472343	9-15	4346	Washn	Phila	Apparatus	323-6
515715	9-16	4386	Phila	CO	Apparatus	27-N-6
517038	9-16	4380	Phila	NYS	Apparatus	45-B-6
517033	9-16	4373	Phila AF	Hamp Rds	radio	736-34
517031	9-16	4371	Washn	Hamp Rds	radio	736-34
517032	9/16	4372	AFPhila	San Diego	batteries	736-40
517030	9/16	4370	Washn	San Diego	radio appr.	736-40
517036	9/16	4376	Washn	Anacostia	comp coils	736-43
517027	9-16	4365	Washn	Cavite	radio	806
517043	9-16	4385	Puget Sd	Keyport	wave meter	833
517042	9-16	4384	Puget Sd	M.I.	wave meter	893-4
517040	9-16	4381	FSB	MI	insul	911
517041	9-16	4383	FSB	Puget Sd	insul	911
517028	9-16	4368	Washn	Phila AF	vac tubes	918

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Number.	Date.	From or To—		Subject.		
517037	9-16	4377	Anacostia	Phila Airc Fac	propellers	918
514778	9-16	4366	Phila	Bar Harbor	gap	920-2
514778	9-16	4367	Bstn	"	"	920-2
508478	9-17	4394	FSB	Great Lakes	radio a pr.	689-23
517432	9-17	4405	Washn	Cavite	amplifiers	806
517433	9-17	4406	Washn	San Juan	wave meter	835
517436	9-17	4407	Washn	San Juan	radio appr.	835
517435	9-17	4404	FSB	San Juan.	insulators	835
517430	9-17	4402	Washn	Eureka	receiver	837
517437	9-17	4409	Washn	Pearl Harbor	wave meter	852
517439	9-17	4412	FSB	St Thomas	insulators	863
517429	9-17	4401	Washn	Astoria	wave meter	872
517426	9-17	4395	Washn	Great Lakes	condensers	876
517431	9-17	4408	FSB	MI	insulators	911
516759	9-17	4396	AFPhila	San Diego	trans sets	918
517426	9-17	4397	Washn	Mitchell Field	receivers	918
517427	9-17	4398	Washn	Phila AF	rec and ampl comp coils	918
517428	9-17	4400	Washn	Laf station	Kl trans	929
517438	9-17	4411	Washn	San Pedro	wave meter	1013
517560	9-17	4413	FSB	Guantanamo	insulators	1025
488426	9-18	4429	Puget Sd	M.I.	receivers	771-2
515082	9-18	4420	Wash	Norf	amplifier	771-2
517570	9-18	4437	Washn	Coco Solo	receiver	793-8

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[OVER.]

Number.	Date.	From or To—		Subject.		
513619	8-30	4154	Washington	Yorkshire Eng.	radio	918
514410	8-31	4170	"	Cape Hatteras	"	1002
~~513616~~	~~8-28~~	~~4146~~	~~Norf~~	~~CO Cavite~~	~~Apparatus~~	~~106-6~~
514411	8-31	4171	GE	CO	Apparatus	251-6
~~514428~~	~~9-1~~	~~4223~~	~~Phila~~	~~CO~~	~~Apparatus~~	~~91- Q-6~~
514424	9/1	4208	Washn	Chasn	radio amplifier	807
514422	9-1	4206	Washn	Phila	radio amplifier	828
514412	8-31	4172	Washn	Managua	radio battery	858
514427	9-1	4222	FSB	Airc Phila	tubing	918
514429	9-1	4224	Phila	Great Lakes for Grand Marias		919-1
514423	9-1	4207	Washn	Hamp Rds	radio ampl	1038
514421	9-1	4205	Washn	Whitehall	radio	1041
514865	9/2	4227	Norf	great lakes	radio	919-1
514430	9/2	4226	Wash	GL	radio	919-1
514425	9/1	4221	Wash	Jupiter	radio	919-35
~~514869~~	~~9-2~~	~~4230~~	~~Norf~~	~~Geat Lakes~~	~~gas engine~~	~~919-55~~
514870	9/2	4231	FSB	GL	gas engine	919-55
514866	9/2	4228	Wash	GL	radio appr	919-55
514867	9-2	4229	Phila	GL	radio co mpass	919-55
514872	9/2	4233	Wash	GL	"	919-66
514871	9/2	4232	Phila	GL	"	919-66
514733	9/1	4216	Norf	Savannah	radio batteries	1028
514879	9/3	4241	FSB	NY	phones	902

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Number.	Date.	From or To—		Subject.		
514881	9/3	4243	Airc Facty	Jersey City	trans equipment	918
514873	9/3	4236	Norf	Great Lakes	gas engine	919-66
514874	9/3	4237	FSB	Great Lakes	"	919-66
515153	9-4	4261	Phila	San Juan	wave change	835
504779	9-7	4274	Washn	Union	Apparatus	457-6
515157	9-4	4264	Washn	Phila	apparatus	918
515159	9-4	4265	"	"	apprartus	918
513993	9-4	4266	"	"	"	918
515164	9-7	4273	"	Cavite	appr.	8 06
513251	9-7	4271	NY	Gironde	appr.	920
515166	9-8	4275	Phila	CO	Appr'	91-Q-6
515167	9-8	4276	Washn	CO	Appr	91-q-6
515169	9-8	4278	Brook	CO	Appr	457-6
515078	9/8	4277	Wash	PH	receivers	689-21
515170	9/8	4284	Washn	Coco Solo	radio	736-41
515008	9/8	4286	NY	Colon	radio appr.	830
515796	9/8	4282	FSB	GL for distribution stg Batteries		919-65
514878	9/9	4240	Washn	Pensacola	airc radio comp coils	736-38
514880	9/9	4242	Washn	Pensa	receivers	736-38
513992	9-8	4285	Airc Phila	Rockaway	radio appr.	736-39
514563	9/11	4323	Washn	Portland OSSIPEE	vacuum tubes	704
482444	9-14	4339	NY	SO Pug Snd	Apparatus	488-6
491322	9/14	4342	Washn	Chasn	radio	761

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Number.	Date.	From or To—		Subject.	
511353	8-14	3993	Norfolk	Dept. stg battery for radio comp map	607
511018	8-13	3984	Washington	radio appr. Phila AF	918
511029	8-16	3999	Airc Facty	Garden City radio trans	918
511025	8/16	3994	NY	Peking radio	857
511016	8-16	4000	Phila	Peking ventl set	857
511601	8-17	4018	FSB	Managua Nicaragua mast	858
511590	8-16	4004	Washn	Boston radio apparatus	918
511589	8/17	4003	Air Facty	Boston "	918
511588	8/16	4002	Chicago	Boston "	918
511587	8/16	4001	GE	Boston "	918
511603	8-18	4019	Boston	Chasn radio tran sets	771-2
512013	8-18	4027	FSB	Managua insulators	858
512009	8-18	4029	NY	Managua wire	858
512010	8-18	4021	NY	Managua antenna switch	858
512018	8-19	4046	Washn	Airc Phila radio appr.	918
452469	8-18	4030	Boston	Washn trans equipment	321-6
512017	8/18	4039	Ham Rds	Phila radio	918
512023	8-19	4051	Washn	Phila radio appr.	875
512814	8/23	4079	N.O.	MI radio	898
512815	8/23	4080	N.O.	Chasn radio trans sets	898
512812	8/23	4078	N.O.	NY radio	898
512821	8/23	4087	FSB	Pug Sd radio engine	919-1
512822	8/23	4088	FSB	Boston gen	919-2
512823	8/23	4089	FSB	Phila gen	919-10

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Number.	Date.	From or To—		Subject.	
512818	8-23	4081	Washn	CO radio	364-6
512820	8/23	4086	Norf	CO "	364-6
509821	8-25	4094	Puget Sd	MI radio battery panels	689-7
513151	8-25	4109	Washn	Dept signal set	876
513154	8-25	4113	Norf	Bur Standards phones	898
513153	8-25	4112	Washn	M.I. radio amplifiers	898
513157	8-25	4114	NY	Westinhouse radio trans set	898
513159	8-25	4116	NY	St Petersburg Fla insulators	911
513158	8-25	4115	Washn	Bar Harbor radio	920-2
513606	8-26	4127	Boston	Newport radio	898
513605	8-26	4126	Tuckerton	MI trans equipmt	898
513613	8-27	4136	Washn	Dept wave meter	898
484784	8-30	4160	Washington	Boston radio apparatus	893-1
513620	8-30	4158	Anacostia	GE radio gen	918
513618	8-30	4153	Washn	Phila Airc stg batteries	818
513631	8-30	4159	Phila	CO Apparatus	573-6
493288	8-30	4156	Brook	Washn Apparatus	515-6
513623	8-30	4161	Norf	CO Apparatus	364-6
472214	8-27	4135	Washn	CO Apparatus	323-6
514416	8-31	4178	Washn	Boston radio	843
514413	8-31	4175	NY	Managua "	858
514414	8-31	4176	Boston	Managua "	858
514415	8-31	4177	Wash	Bar Harbor "	920-2

Number.	Date.	From or To—		Subject.		
506084	7-21	3778	N.I.	Cavite	buzzer sets	806
506357	7-21	3779	M I	Pearl Harbor	"	852
499531	7-22	3788	Washn	Lale	Apparatus	107--6
506207	7-22	3789	Washington	Dahlgren	radio appr.	736-54
506207	7-22	3790	Phila	"	radio '	736-54
506687	7-23	3801	Washington	Charleston	vacuum tubes	761
506959	7-23	3802	Chicago	Dept Room 2429	radio appr.	876
504898	7-23	3798	Bur Standards	Tuckerton	Godlschmidt tone wheel	898
506864	7-24	3809	Washn	CO	Apparatus	206-Q-6
506967	7-24	3811	FSB	Washn	appr.	898
506971	7/26	3822	Washn	Chasn	sig system	807
472344	7/26	3824	Bur Stds	Phila Airc Fac	ammeters	898
506968	7/24	3812	Rockaway	Phila Airc	receivers	918
506973	7/26	3823	NY	Seawall Me.	insulators	920-2
507390	7/26	3829	Washn	Va Beach '	receiver	1034
507112	7/26	3828	Washn	Radio Room 2628	panel	1047
505829	7-26	3821	Washn	CO	Apparatus	323-6
507294	7-27	3837	Washn	Phila	tank	761
507389	7-26	3827	Phila	Bur Stds	ammeter	893
503995	7-27	3835	Phila	CO	Apparatus	515-6
507389	7-27	3834	Washn	CO	Apparatus	383-6
507926	7-28	3841	Washn	Puget Sd	radio	898
507401	7-27	3836	Phila	CO	Apparatus	515-6
503142	7-30	3859	Norf	Adriatic Forces	radio appr.	787-1

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Number.	Date.	From or To—		Subject.		
501980	7-30	3858	Norf	CO S-3	vacuum tube panel	107-0-6
508293	8-2	3869	AFPhila	CO SHAWMUT	radio appr.	699-771
500608	8-2	3880	AFPhila	CO ARCOSTOOK	appr.	918
508289	7-31	3868	Norf	Chasn	gas engine unit	919
508664	8-2	3881	Brook	SOPhila	Apparatus	383-6
509533	8-6	3915	Boston	Phila	radio appr.	383-6
509533	8-6	3914	Washn	Phila	radio appr.	383-6
507331	8-9	3956	Phila	Puget Sd	insulators	833
460569	8-9	3960	Washn	DELAWARE	portable field set	896
315207	8/9	3957	Washn	Phila	dry cells	876
509381	8-9	3959	Washn	CO SANDPIPER	radio matrl	51-S-6
508458	8/9	3958	FSB	MI	radio trans	521-6
509539	8/7	3939	Brook	Phila AF	radio	918
509538	8/7	3938	Brook	Mitchell Field	radio	918
509525	8/9	3912	Washn	Mitchell Field	radio	918
509526	8/9	3913	AFPhila	Mitchell Field	helmets	918
508620	8/10	3962	Washn	CO	charging panel	8-X-6
510440	8-11	3977	Boston	Washn	gen sets	902
510435	8-11	3941	NY	San Domingo City	gaskets	865
502517	8/12	3974	Ph	NO	radio battery	882-1
510442	8/12	3978	Washn	Bar Harbor	pump	920-2
511016	8-12	3983	Washington	Peking	booth	857

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Number.	Date.	From or To—		Subject.		
500858	7-14	3685	Norf	IM NY	Apparatus	573-6
504792	7-14	3675	Washn	CO	Apparatus	408-6
505010	7-14	3677	Washn	CO	Apparatus	289-6
50130	7-14	3683	Washn	Co	Apparatus	182-6
505011	7-14	3678	Washn	CO	Apparatus	126-6
504787	7-14	3663	NY	Coco Solo	insulators	911
504790	7-14	3673	FSB	Mitchell Field	saw-tubing hose	918
504791	7/14	3674	Wash	Mitchell Field	vacuum tubes batt	918
504789	7-14	3665	AFPh	Mitchell	radio	918
505016	7-14	3684	Anacostia	AFPh	radio prop	918
504788	7-14	3664	Wash	Mitchell	radio	918
504786	7-14	3662	Wash	Bar Harbor	radio	920-2
505247	7-15	3695	Washn	Boton	sockets	707-1
505255	7-15	3713	Washn	BEAVER	radio rec set	69-771
505224	7-15	3697	Phila	TOUCEY	stg battery	282-Q-6
505256	7/14	3714	Washn	BRIDGEPORT	radio	8-X-6
504817	7/15	3711	Washn	Bridgeport	radio	8-X-6
505023	7-15	3689	Washn	CO	radio rec set	138-6
505027	7/15	3692	Washn	CO	radio	144-6
505251	7-15	3707	Washn	Co	"	167-6
505253	7-15	3709	"	"	"	188-6
505249	7-15	3696	"	"	"	316-6
505029	7-15	3693	"	"	"	360-6
505252	7-15	3708	"	"	"	364-6

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Number.	Date.	From or To—		Subject.		
505254	7-15	3712	Washington	CO	radio set	367-6
505250	7-15	3706	"	"	"	389-6
505026	7-15	3691	"	"	"	384-6
505009	7/14	3676	"	"	"	457-6
504024	7-15	3690	"	"	"	510-6
505724	7-17	3729	"	Anacostia	radio Magnavox	735-43
505722	7-17	3728	Anacostia	Phila Airc Fact	radio receivers	918
505742	7-19	3752	FSB	Washn	insulators	771-2
505739	7-19	3750	FSB	Norf	insulators	771-2
505738	7-19	3749	MI	Puget Sd	insulators	771-2
505726	7-19	3738	Washn	BLACK HAWK	radio rec set	61-771
505741	7-19	3751	FSB	Phila	insulators	771-2
505735	7-19	3739	Washn	CO	Apparatus	264-6
505735	7-19	3746	Washn	CO	Apparatus	222-6
505734	7-19	3745	Washn	CO	Apparatus	189-6
505732	7-19	3743	Washn	CO	Apparatus	185-6
505728	7-19	3737	Washn	CO	Apparatus	156-6
505731	7-19	3740	Washn	CO	Apparatus	20-X-6
505734	7-19	3744	Washn	CO	Apparatus	509-6
506067	7-20	3758	FSB	NY	insulators	771-2
506068	7-20	3759	Washn	NY	insulators	911
506337	7-20	3777	Brook	SO Newport	Dumbell	281-Q 13
505882	7-20	3768	NN	Norf	Propellers	200-Q 14
490300	7-20	3757	Washn	FR	Apparatus	123-0-6

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Number.	Date.	From or To—		Subject.		
504016	7-10	3582	Washington	Phila	radio apparatus	761
496894	7-10	3585	"	Co SHAWMUT	"	699-771
482438	7-10	3589	Norfolk	Key West	stg battery chg panel	771-2
503142	7-10	3592	Boston	Adriatic Forces	radio apparatus	787-1
503142	7-10	3591	Washington	"	"	787-1
500862	7-9	3564	Washington	Boston	receivers	898
500862	7-9	3563	"	NY	"	898
500862	7-9	3565	"	Norfolk	"	898
497038	7-8	3534	Phila	Norfolk	radio trans	898
503986	7-9	3561	Phila AF	Radio Corpn	radio apparatus	918
502996	7-8	3543	Norf	FR	Apparatus	123-0-6
503992	7-9	3676	Washn	SO Ports	Apparatus	109-0-6
502040	7-9	3577	Washn	CO	Apparatus	324-6
503975	7-8	3546	Norf	SO MI	Apparatus	135-0-6
503989	7-9	3575	Washn	Norf	Appratus	522-6
502998	7-8	3545	M.I. L	Lake	Apparatus	120-0-6
499560	7-10	3581	Norf	MI	Apparatus	524-6
503995	7-10	3580	Phila	CO	Apparatus	515-6
503987	7-9	3568	Washn	Boston	Apparatus	555-6
501893	7-12	3607	Norf	CO	Apparatus	264-6
"	7-12	3608	Washn	CO	Apparatus	264-6
"	7-12	3607	Norf	CO	Apparatus	264-6
503950	7-12	3602	Norf	Phila	Apparatus	206-0-6
"	7-12	3601	Norf	Phila	Apparatus	206-0-6
504025	7-12	3600	Lake	Eoke River	Apparatus	124-0-6
503994	7-12	3595	MI	Lake	Apparatus	121-0-6
501981	7-12	3622	Norf	CO	Apparatus	111-0-6

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Number.	Date.	From or To—		Subject.		
503142	7-12	3593	FSB	Adriactic Forces	radio a paartus	787-1
503142	8-12	3594	Phila	"	"	787-1
504033	7-12	3624	Norfolk	Moorehead City	"	800
504464	7-12	3598	Chasn	Pt Isable	schlt	853
504026	7-12	3605	Boston	Galveston	condensers	1011
504027	7-12	3605	FSB	Galveston	spark gap	1011
504031	7-12	3623	Phila	Glou	Relay	1200
504772-	7-13	3638	Washn	Co	Apparatus	324-6
504778	7-13	3657	Washn	Co	Apparatus	554-6
504037	7-13	3626	Washn	NY	Apparatus	529-6
504030	7-12	3621	Boston	Washn	Apparatus	515-6
504779	7-13	3658	Washn	CO	Apparatus	457-6
504041	7-13	3637	Washn	CO	Apparatus	342-6
472343	7-13	3656	Washn	CO	Apparatus	323-6
504773	7-13	3639	Washn	CO	Apparatus	212-6
504039	7-13	3628	WAshn	CO	Apparatus	154-6
504024	7-12	3599	Lake	MI	Apparatus	140-0-6
504038	7-13	3627	Brook	FR	Apparatus	123-0-6
504774	7-13	3651	Washn	Moorehead City	receiver	800
504775	7-13	3652	Washn	Pt Isabel	amplifer	853
504777	7-13	3654	Washn	GE	radio rec tubes batt	898
504776	7-13	3653	Boston	GE	transmitter	898
495171	7-13	3640	Washn	Washn Bur Stds	receiver	916

Number.	Date.	From or To—		Subject.		
500463	6-25	3405	Washington	Pearl Harbor	radio apparatus	689-21
501288	6-24	3391	Anacostia	Rockaway Beach	radio trans set	736-39
500865	6-24	3385	Boston	Coco Solo	radio trans set	736-41
501096	6-25	3412	Washington	Charleston	radio apparatus	761
499529	6-25	3402	Washington	Norfolk	buzzer	898
499384	6-28	3424	Phila	CO	Apparatus	20-X-6
498493	6/29	3431	Washn	Bur Fisheries	radio appr.	650
501442	6-29	3429	Wash	M.I.	radio amplifier	916-2
493228	6-29	3428	Brook	CO	Apparatus	515-6
501982	6-28	3455	Washn	FR	Apparatus	78-0-6
501300	6-28	3423	Washn	Boston	Apparatus	182-6
501972	6/29	3443	Washington	Anacostia	radio	736-43
501971	6-29	3442	Wash	Phila	radio rec	918
502415	7/1	3459	Washington	Radio Corpn	radio a pr.	898
502419	7-1	3464	Washington	SO Ports	Apparatus	84-0-6
454200	7/2	3477	San Juan	NY	thermo a meter watt meter	678
502418	7/1	3461	AF Phila	AROOSTOOK	radio appr	24-771
502417	7/1	3460	Wash	CO	"	"
502426	7/2	3483	Washn	Dept	radio	876
502423	7-2	3479	Washington	Norfolk	condensers	919
502422	7/2	3478	Washington	Phila	"	919
502424	7/2	3480	Washington	Charleston	condensers	919
502428	7/2	3487?	Wash	Coco Solo	radio appr.	736-41

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Number.	Date.	From or To—		Subject.		
502432	7-3	3492	Washn	CO	Apparatus	342-6
502975	7-3	3493	Phila	Co	Apparatus	342-6
501301	6-28	3427	Washn	SO NY	Apparatus	321-6
502431	7-3	3491	Washn	Balto SB	vacuum tubes	771-2
493970	7/3	3490	Phila	NY	radio appr for NY	898
502427	7/2	3486?	Washn	Airc Fac Phila	radio batteries	918
502429	7/2	3488	San Diego	AF Phila	trans	918
502181	7/2	3489	Phila	Pac Fleet	trans switches insulators	918
499502	7-6	3506	Phila	CO	Apparatus	153-6
477592	7/6	3505	Brook	Phila	radio appr	771-2
501442	7/6	3507	Washn	M.I.	radio appr	916-2
498084	7-7	3528	FSB	Cavite	radio	826
503362	7/7	3503	Norf	Moorehead City	stg batteries	1044
502997	7-8	3544	FR	Lake	Apparatus	119-0-6
502995	7-8	3537	Norf	Lake	Apparatus	119-0-6
502727	7-8	3505	Washn	Ports	Apparatus	114-06
502727	7-8	3534	FR	Ports	Apparatus	114-0-
501840	7/9	3578	Washn	Naval Acad	radio appr.	707-1
503982	7/9	3567	Washn	H Rds	radio	736-34
503983	7/9	3558	Washn	Pensacola	radio	736-38
503985	7-9	3560	Washn	Rockaway	radio	736-39
503984	7/9	3559	Washn	Coco	"	736-41

Number.	Date.	From or To—		Subject.		
493227	6-12	3243	Brook	CO	Apparatus	515-6
472335	6-12	3244	Washn	Annapolis	Apparatus	323-6.
499157	6-14	3252	Phila	Key West	instulators	817
499156	6-14	3251	Phila	Mare Island	insulators	911
495786	6-12	3245	Brook	Inspr Lake	Apparatus	119-0-6
498499	6-12	3242	Phila	Boston	Apparatus	515-6.
499171	6-15	3281	Phila AF	G.Lakes	radio	707-11
499169	6-15	3266	Washn	G.Lakes	radio	707-11
485258	6-15	3264	FSB	Hoboken N.J.	radio	727-1
499163	6-15	3263	AFPhila	Anacostia	radio appr.	736-43
315207	6-16	3283	Norfolk	M.Island	radio appr.	876
499557	6-16	3284	Washington	Boston	insulators	911
499549	6-16	3282	Washn	Anacostia	wave meter	736-43
462749	6-18	3301	Phila	Anacostia see SO	engine material	736-43
499179	6-17	3298	FSB	Chasn	radio appr.	761
499561	6-17	3294	Washn	Bureau Engr.	radio vac tube	898
499560	6-17	3293	Washn	Norf	insualtors	911
244059	6-17	3297	Brook	Union	Apparatus	123-0-6
244059	6-17	3295	Phila	Union	Apparatus	123-0-6
499559	6-17	3291	Washn	NY	apparatus	911
500105	6-18	3310	Washn	Pensa	radio receiver	736-38
499461	6-18	3309	Phila AF	Coco Solo	radio appr.	736-41
499461	6-18	3308	Washington	Coco Solo	radio apr.	736-41
500106	6-18	3312	Washington	Anacostia	radio	736-43

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Number.	Date.	From or To—		Subject.		
500108	6-19	3328	Washington	CO	compass coils and condensers	699-771
318197	6-18	3311	San Diego	Phila Af	radio trans sets	918
500111	6-21	3338	N.Y.	Palo Alto	radio arc trans set.	712-771
491598	6-19	3327	SO NY	Union	Apparatus	2-Z-13
496386	6-21	3339	Phila AF	Pensacola	radio appr.	736-38
500293	6-21	3336	Phila AF	Rock Beach	radio m ters	736-39
500327	6/22	3334	Chas	Chasn for Port au Prince batteries		865
500112	6-21	3345	Wash	Phila AF	batteries	918
500127	6/21	3349	Phila	Phila AF	telephone	918
499660	6-22	3357	Phila AF	G Lakes	inter com sets.	707-9
500856	6/23	3365	Wash	Boston	vacuum tube receptacle	898
500110	6/22	3355	Wash	Co	radio appr.	515-6
500870	6-24	3388	Boston	Hampton Rds	radio	736-34
500865	6/24	3386	Boston	Pensacola	radio	736-38
501288	6/24	3391	Anacostia	Rock Beach	radio	736-39
501285	6/24	3389	Boston	San Diego	radio	736-40
500865	6/24	3385	Boston	Coco Solo	radio	736-41
500868	6/24	3387	Boston	Anacostia	radio	736-43
501286	6/24	3390	Boston	AFPhila	radio	918
500864	6/24	3378	Boston	Atl Fleet	radio trans set	918
500858	6-24	3376	Norf	CO	Apparatus	573-6.
500858	6-24	3377	Chasn	NY	Apparatus	573-6

Number.	Date.	From or To—		Subject.		
496427	6-2	3092	Norfolk	San Juan	radio apparatus	678
496426	6-2	3086	F.S.B	San Juan	radio apparatus	678
497021	6-2	3085	San Juan	Washn	radio apparatus	678
491957	6-1	3080	F.S.B	Charleston	radio stg batteries	761
496610	6-1	3078	N.O.	Pt Isabel	machine tools	853
494907	6-3	3115	Washington	H.Rds	radio apparatus	736-34
494907	6-3	3114	AF Phila	Hampton Rds	radio apparatus	736-34
497362	6-3	3112	AF Phila	Rockaway Beach	radio apparatus	736-39
497184	6-3	3113	Boston	Adriatic Forces	radio appr	787-1
497023	6-2	3097	N.Y.	Norfolk	radio appr.	800
496843	6-4	3133	Washn	Rock Beach	vacuum tubes	736-39
497373	6-4	3132	Washn	Phila AF	radio appr.	918
491598	6-4	3127	SO NY	Union	Apparatus	123-0-6
491598	6-4	3126	SO NY	FR	Apparatus	123-0-6
454200	6-5	3065	Norfolk	San Juan	storage battery	678
497665	6-5	3135	N.Y.	M.Island	turbine blading	689-7
496850	6-5	3150	F.SB	Cavite	radio appr	806
497373	6-5	3139	F.SB	N.Y City Mr. H	radio appr.	882-1
461037	6-5	3149	Washington	Cavite	stg batteries	898
491132	6-5	3141	Washington	CO	Apparatus	323-6
497426	6-5	3140	Washington	Co	Apparatus	205-6
497380	6-5	3148	Brook	CO	Apparatus	130-6
497377	66-5	3138	Anacostia	CO SHAWMUT	radio appr.	699-771
496425	6-7	3155	Annapolis	Bur Stds	vacuum tubes trans	898

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RADIO SHIPT REQSTS

Number.	Date.	From or To—		Subject.		
497846	6-7	3170	Washington	Laf Sta	batteries	920
497842	6-7	3153	Washington	Norf	Apparatus	251-6
484632	6-8	3181	Norfolk	Boston	radio apparatus	707-1
484632	6-8	3180	Phila	Boston	radio appr.	707-1
484632	6-8	3179	Washn	Boston	radio appr.	707-1
497848	6-8	3178	Washm	CO SHAWMUT	radio appr.	918
497732	6-9	3204	Washington	College Park	radio appr.	685
497893	6-8	3187	A.F. Phila	Pac Fleet	radio appr.	918
497893	6-8	3188	Wash'n	Pac Fleet	radio appr.	918
495565	6-10	3227	Wash	H.Rds	radio appr.	736-34
497881	6-9	3214	Wash	Pensa	radio appr.	736-38
495566	6-10	3226	Washn	Pensa	radio appr.	736-38
487588	6-9	3205	San Diego	Pac Fleet	radio	736-40
495567	6-10	3225	Wash	San Diego	radio appr	736-40
498488	6-10	3219	Anacostia	Bur Stds	generator	882-3
497856	6-9	3208	AFPhila	San Diego	radio trans sets	918
495935	6-10	3218	Washn	CO	Apparatus	425-6
495564	6-11	3230	Washm	Rockaway Beach	radio appr.	736-39
495560	6-11	3232	Wash	ARCOSTOTK	radio	24-771
494935	6-11	3221	Wash	SHAWMUT	radio	699-71
498494	6-11	3233	Wash	Balboa	radio	850
498489	6-10	3220	Washm	Vladivostok	radio	920-13
50053c	6-10	3201	Keyport	N.O.B.	Magnetos	629
50053	6-10	3211	Keyportc	SO Phila	"	629
50053	6-11	3222	Keyport	Phila	"	629
49971	6-11	3224	Phila	Keyport	Material	629

Trans. to Cents regd. card 589

Number.	Date.	From or To—		Subject.		
778 489700	5/18	2865	Phila	CO	batteries	699-771
494622	5/20	2922	Washington	Bur S.E.	radio apparatus	876
494616	5/20	2917	Phila	Washington	radio trans set	898
494619	5/20	2928	Washington	Phila A.F.	rradio airc compass coils and amplifiers	918
494625	5/20	2924	Phila	Norfolk	condenser radio compass compensators	919
494176	5/19	2897	Schenectady	Phila	rec for problem 70	1200
494912	5/21	2943	Washington	Coco Solo	radio compass coils	736-41
494630	5/21	2936	Washington	S.E.	shafts for rot tone conden	882-1
494634	5/21	2939	M.Island	Wash	radio trans sets	898
494917	5/21	2945	M.I.	FSB	radio trans sets	898
494915	5/21	2944	M.Island	Phila	"	898
494632	5/21	2937	M.I.	Norfolk	"	898
494628	5/21	2935	Phila	Charleston	"	898
495008	5-22	2953	Phila	Great Lakes	stg batteries	678
492573	5-22	2954	N.Y.	Naval Acad.,	radio apparatus	1200
492573	5-22	2955	FSB	Naval Acad.,	radio appr- batteries	1200
492573	5/22	2956	Norfolk	Naval Acad.,	storage batteries	1200
494924	5-24	2965	Washn	Cavite	wave meter	806
494925	5-24	2966	Washn	Darien	wave meter	851
494927	5-24	2967	F.S.B	G.Lakes	radio appr.	678
494928	5-24	2968	Norfolk	G.Lakes	radio	678
494921	5-22	2961	A.F. Phila	CO SHAWMUT	radio appr.	699-771
494923	5-22	2962	Washn	Peking	radio wave meter	857
492573	5-22	2957	Washn	Naval Academy	radio appr.	1200

RADIO SHIPMENT

N.S.E. Form 134.

Number.	Date.	From or To—		Subject.		
494924	5-25	2978	Annapolis	Washington	Apparatus	205-6
495565	5-25	2983	Washn	H.Rds	radio compass coils & amplifier	736-34
495566	5-25	2992	Washn	Pensacola	radio comp coils etc	736-38
495564	5-25	2982	Washn	Rockaway Beach	radio appr.	736-39
495567	5-25	2995	Washn	San Diego	radio comp coils	736-40
495560	5-25	2981	Washn	CO	radio appr.	24-771
494935	5-25	2980	Washn	CO	radio appr.	699-771
495572	55-27	3017	N.Y.	Navgn	map	772
495575	5-27	3019	F.S.B	G.E.	radio appr.	898
495576	5-27	3020	Washn	Lafayette	radio appr.	920
457176	5-27	2998	CO	SO Norf	Apparatus	1655-K-6
496423	5-28	3040	F.S.B	C.G. Store	radio apparatus	704
487472	5-28	3039	M.I.	Ft Mason	radio apparatus	727-1
495251	5-27	3027	Washn	Santiago Domican Rep	radio appr	761
244059	5-29	3058	M.I.	Union	Apparatus	123-0-6
496460	6-1	3081	Phila	CO	Apparatus	455-6.
496425	5-29	3056	Bu Standards	Annapolis	tramsmitter	898
494880	6-1	3067	Chicago	So Balto	radio appanuts	704
494140	6-1	3066	Wash	Phila	radio appr	761
496433	6-1	3068	Chicago	Washn SE	radio apparatus	893
472214	6-2	3093	Washn	CO	radio appr	323-6
497022	6-2	3096	Wash	CO Annapolis	radio apr.	323-6

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Number.	Date.	From or To—		Subject.		
492073	5-10	2732	Washington	A.F. Phila	switches	918
492072	5-10	2730	"	San Diego	radio appr for Fleet Air Detachment	736-40
492076	5-10	2733	"	Anacostia	switches	736-43
492072	5-10	2731	Airc Facty	Anacostia	radio apparatus	736-43
492892	5-12	2780	Washn	"	radio appr.	736-43
492893	5-12	2781	Fleet Base	Guantanamo	radio appr.	814
485960	5-11	2769	Ports	Washington	radio appr.	898
492082	5-11	2769	Ny	CO	vacuum storage batteries.	515-6
492083	5-11	2768	Wash	CO	audibility meters.	515-6
492081	5-11	2756	Boston	CO	key contacts.	511-6
434394	5-12	2772	Wash	Pug Sd	trans equipment.	488-6
491957	5-13	2790	Norfolk	Charleston	radio apparatus	761
492896	5-13	2788	Washn	Managua Nic.,	radio appr.	858
469268	5-13	2795	Phila	M.Island	radio batteries	882-1
492891	5-12	2779	A.F.	N.London	radio dynamotors see 797 also 918	
493228	5-13	2806	Brook	N.L.	Wave-meter.	515-6
492907	5-13	2787	Washington	N.L.	apparatus	515-6
493229	5-13	2807	Brook.	NY	wire cleats	515-6
493203	5-13	2809	Brook	Bost	Pumps	407-6
492726	5-14	2831	Phila	Ship	condensers	321-6
493	5-13	2805	Wash-	CO	Vacuum tubes	515-6.
493234	5/14	2810	Anacostia	GE	radio apparatus	918
469570	5-15	2846	Norfolk	Cavite	radio	897
489570	5/15	2845	Wash	Cavite		897

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RADIO SHIPMENT REQUEST
N.S.E. Form 134.

Number.	Date.	From or To—		Subject.		
492887	5-14	2829	Phila	Norfolk	boxes- Push buttons	407-6
454200	5-17	2854	San Juan	Washington	radio receiver	678
487166	5/17	2852	Washn	Washn Yd	radio apparatus	109-0-6
494026	5/17	2861	FSB	Managua	radio gas egnine for	858
493788	5/18	2863	Wash	N.Y.	radio appr.	515-6
493791	5/18	2864	Phila	N.Y.	apparatus	515-6
494166	5/18	2875	G/E.	Phila	radio apparatus	1200
494170	5/18	2876	Gloú	Annapolis	radio sound appr. see S.O.1200	
489239	5/17	2855	Norfolk	Geat Lakes	radio appr.	678
494161	5/18	2872	Phila	G.Lakes	radio btteries	678
489239	5/17	2859	F.S.B.	9th Dist	radio apparatus	678
494133	5/18	2868	N.Y.	Morehead City	motor	736-47
489700	5/18	2891	Phila	CO	batteries	699-771
483530	5-18	2866	Phila	CO	apparatus	323-6
483530	5-18	2874	Wash	CO	apparatus	323-6.
489700	5/18	/2878	Washm	CO	vacuum tubes	699-871
493791	5-18	2864	Phila	NY	apparatus	515-6
494179	5-19	2900	Norf	CO	apparatus	2-Z-6
493978	5/20	2919	Washington	Pensacola	radio rec and vac tubes	736-48
494617	5/20	2918	A.F.Phila	Anacostia	radio material	736-43
494681 778	5/20	2921	Wash	Anacos	wave meters	736-43
489700	5/18	2877	A.F.	CO	raio pappr.	699-771
489700	5/18	2892	Wash	CO	radio	699

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RADIO SHIPMENTS REQUESTS 1920

Number.	Date.	From or To—		Subject.	
490302	4-29	2459	Wash	FR amplifiers.	123-0-6
438700	4-28	2433	M.I.	Cavite batteries	902
489775	4-28	2429	Chasn	N.Y. radio trans sets	771-2
489777	4-28	2430	Charlesn	NY radio	898
490297	4-29	2443	Wash	Room 2433 Dept radio	898
489167	4-26	2375	Schenec	Anacostia radio	918
490304	4-30	2468	Airc Fac Phila	Anacostia radio appr.	736-43
488750	4/28	2423	Washn	Providence radio appr.	918
488750	4/28	2421	Airc Phila	Minneapolis radio	918
488750	4/28	2422	Wash	Minneaspolis radio	918
488750	4/28	2420	Airc Phila	Providence radio	918
489880	4-29	2456	Brook	Fr transmitting sets.	123-0-6
490762	5-,1	2497	Washington	Sayville radio	920-8
490361	5-1	2495	Boston	S-4 antenna wire	109-0-6
490309	5-1	2479	Wash	S-4 receiving antenna coils.	109-0-6
490763	5-3	2541?	Airc Facty	Pensacola radio apprts	736-38
489698	5-1	2482	H.Rds	Phila Airc Fac radio appr.	699-771
490764	5-3	2502	Arcadia	Airc Facty radio airc matrl	918
490767	5-3	2503	Cape May	Phila Airc Fac radio receivers	918
490756	5-3	2481	Wash	New London antenna coils	110-0-6
488939	5-4	2634	Fleet Base	P.C. W.H. N.Y. radio appr	727-1
491294	5-4	2635	Washington	Cavite radio amplifier	806
491297	5-4	2642	Washington	Cordova radio amplifier	809
491423	5-4	2645	Washington	Puget Sd "	833

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N.S.E. Form 134.

Number.	Date.	From or To—		Subject.		
491295	5-4	2636	Washington	St. Paul	radio amplifier	847
491421	5-4	2644	Washington	Astoria	radio amplifier	872
491291	5-4	2648	Washington	VIadivostok	radio amplifier	920-13
491299	5-3	2643	Washington	Ketchikan	radio amplifier	1016
484176	5-3	2504	Washington	CO.	Receiver	290.-6
49846	5-4	2616	Keyport	Philadelphia	Magneto bracket supports	629
50053	5-3	2487	Keyport	Loeing	Magnetos see ship to order card	629
491420	5-4	2646	Phila	Annapolis	storage batteries.	323-6
244059	5-5	2650	M Is	Union	insulators.	123-0-6
487165	5/5	2659	New Orln	Pt Isabel	Engine lathe see ship to order card	913
472344	5/5	2649	Phila	Washington	transmitters, ammeters	898
491425	5/5	2651	Wash.	Pug Sd	long wave meter	893-4
490932	5-6	2676	Wash	CO	radio apparatus	286-6
491428	5-6	2661	Boston	CO	receiver	515-6
491437	5-7	2690??	Norf	Chasn	apparatus listed.	511-6
489571	5/7	2708	FSB	Cavite	radio appr.	875
315207	5/7	2701	Wash	Phila	radio apparatus	876
468765	5/7	2698	Annapolis	Washn	inductances	920-8
491435	5/6	2677	GE	Anacostia	radio appr.	735-43
492066	5-8	2718	Washn	Ports	vacuum tube detector	832
491160	5-8	2717	Lake	Brook.	Apparatus	587-6
464376	5/10	2741	Norfolk	Pt Isable	gen set	853
491440	5/7	2710	Washn	Sche nectady	radio rec vac tubes	898
492068	5-8	2719	Washington	Phila A.F.	radio appr.	918

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[OVER.]

Number.	Date.	From or To—		Subject.	
484467	4-16	2219	College Park	Washington telephone sets	685
487096	4-16	2217	Washington	College Park batteries boxes	685
485258	4-16	2207	M.Island	Fontana W.H. Frisco ra io appr.	727-1
487278	4-16	2230	Washn	Chasn fly wheel for eng priming cup for engine	761
487595	4-16	2232	Washington	M.Island wave meter	893-4
487594	4-16	2231	Airc Fac Ph	Washington wave meter	893-4
486392	4-16	2216	Airc Phila	Medford Hillside Mass vacuum tubes	898
487606	4-19	2255	Wash	Ports receivers,panels etc.	329-6
487611	4-19	2271	Boston	Pt Isabel condensers	853
485660	4-20	2286	Phila Airc	Coco Solo Maganvox set	736-3
488318	4-20	2290	Phila Airc	San Diego helmets rec and tubes	736-40
488313	4-20	2282	Norfolk	N.Y. automatic starter	876
488322	4-20	2293	Boston	Washington radio receiver	1200
488323	4-20	2299	CO	Wash radiation ammeters.	522-6
488314	4-20	2283	Ports	Wash sub receiving coils.	109-0-6
487768	4-21	2303	CO	Norf rheostat	1654-K-6
"	4-21	2300	Norf	PATOKA rheostat.	1654-K-6
487472	4-21	2317	M.I.	Ft. Mason Cal. radio matrl.	727-1
487537	4-22	2320	Phila	N.Y. vacuum tube stg' batteries	573-6
488312	4-22	2332	Washington	Worcester Mass buzzer blinker set	707-10
488427	4-22	2318	Norfolk	Phila masts	761
488540	4-22	2319	Airc Fac Ph	S.O. Ph radio appr.	882-1
488791	4-23	2352	N.Y.	Europ Fcs Eas Med. radio appr.	787-1
315207	4-21	2312	Washn	N.Orleans radio material	876

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N. S. E. Form 134.

Number.	Date.	From or To—		Subject.	
485506	4-21	2316	Washington	Boston vacuum tubes	898
489142	4-23	2339	"	Radio Divn SE radio apparatus	898
488541	4-22	2321	Chatham	Phila Airc Fac radio appr.	918
488545	4-22	2331	Cape May	Phila Airc Fac radio appr.	918
488534	4-21	2311	Washington	Phila radio apparatus	1200
489143	4-23	2340	Charleston	Port Royal radio apparatus	848
489765	4-24	2365	Wash	New London radio apparatus listed.	515-6
489764	4-24	2364	Inspr GE	New London transmitting set	515-6
489765	4-24	2362	Inspr GE	New London ~~submarins trans equip~~	110-0-6
489766	4-24	2363	Wash	New London radio apparatus listed.	110-0-6
487166	4-24	2368	Wash	S-4 radio apparatus listed.	109-0-6
488585	4-26	2378	Washn	M.Island radio appr.	689-7
489156	4/26	2374	Airc Fac Ph	S.O. Phila radio appr.	876
489239	4-27	2396	Phila	Great Lakes radio appr	678
489239	4-27	2397	Washn	Great Lakes radio appr.	678
431339	4-27	2398	H.Rds	Air Sta H.Rds radio helmets	736-34
489767	4-27	2397	Wash	Phila radio appr.	771-2
488791	4-27	2410	Washn	~~Comdr Eastern Forces radio appr.~~	~~787-1~~
489768	4-27	2409	Airc Ph	Bur Standards radio appr.	918
489261	4-28	2431	Phila	Lake vacuum tube storage batteries.	119-0-6
489261	4-29	2441	Boston	Lake condensers and switch	119-0-6
489880	4-29	2457	Wash	FR battery charging panel	123-0-6
489880	4-29	2444	Boston	FR lightning switches.	123-0-6
490300	4-29	2458	Wash	FR receivers/	123-0-6

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RADIO SHIPMENT REQTS: 1920

Number.	Date.	From or To—		Subject.	
484215	3-31		Wash	Bath short wave wave-meter	347-Q-6
483326	3/30		Boston	Bar Harbor typewriters	722
483206	3/30		NY	Virgin Islands radio motor generator	863
484351	3/30		Washington	Phila vacuum tubes	898
484262	3/31		Washington	M.Island radio carbons	813
484754	4/1	1685	Boston	Wash radio appr.	893-1
~~484753~~	~~4/1~~	~~1684~~	~~Washington~~	~~Boston wave meter~~	~~893-4~~
424942	4-2	2020	Norf	Ny apparatus.	422-6
424942	4-2	2019	Phila	Ny apparatus	422-6
484758	4-2	2017	Wash	Phila storage batteries.	290-6
478781	4-3	2034	Brook	Phila quenched spark gap	169-6
484759	4/2	2018	Fleet Base	MERCY vacuum tube stg batteries	479-771
484768	4/3	2035	Washington	Key West wave meter	817
484764	4/3	2033	N.Y.	St Petersburg copper wire	1033
484769	4/3	2036	Washington	Wilmington radio rec.amplifier	1036
482433	4/5	2050	Phila	Washington radio comp and radiotel	772
484770	4/5	2048	Washington	Great Lakes wave meter	893-4
485498	4-6	2069	N.Y.	Great Lakes radio appr. wire	1000
485701	4-7	2083	Philadelphia	TRACY radio phones and diaphrams	787-1
485502	4-7	2082	Schenectady	Washington radio equipment	898
486088	4-8	2100	Airc Facty	Pearl Harbor radia ammeters and millisam	736-56
484420	4-8	2104	Washn	Ogden Utah radio appr.	876
486093	43-8	2107	Wash	Puget Sd radio wave meter	893-4
486093	4-8	2106	NY	Key West radio appr. wire	906

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N.S.E. Form 134.

Number.	Date.	From or To—		Subject.		
486088	4-8	2098	Washington	Bur Standards	radio appr.	916
486099	4-9	2114	Wash	CO	radiation ammeters etc	522-6
485101	4-9	2113	Norf	CAMDEN	transmitting set	20-X-6
484467	4-9	2125	Washington	College Park	helmet phone sets.	685
469268	4-9	2141	Phila	N.Y.	battery charging panels	882-1
486094	4-9	2109	Washn	Ports	wave meter	893-4
486095	4-9	2110	Wash	N.O.	wave meter	893-4
481797	4-9	2123	Wash	Phila	vacuum tubes	898
486100	4-9	2115	Wash	Phila	radio receivers	919
318197	4-10	2140	H.Rds	Washn	radio receivers	918
486504	4/10	2137	N.Y.	College Park	radio insulators	918
486506	4-10	2142	Airc Fac	Anacostia	antenna wire	736-43
486507	4-10	2145	Schenec	Washn	~~gen vacu tube gen trans~~	918
482441	4-14	2189	Ny	Pug Sd	cable	488-6
486477	4-14	2190	Wash	CO	vacuum tube detectors.	407-6
486477	4-14	2197	Phila	CO	ammeters.	407-6
471907	4-14	2187	Boston	Bath	switches.	347-Q-6
486306	4-14	2188	Washington	Phila	vacuum tubes	898
318197	4-14	2239	Hampton Rds	Airc Phila	trans sets and receivers	918
485258	4-15	2206	Phila	San Frisco Fontana W.H.	radio appr.	727-1
485258	4-15	22088	Fleet Base	San Firsco Fontana W.H.	radio tool kit	727-1
487167	4-15	2205	Phila	Mare Island	vacuum tubes	898

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Number.	Date.	From or To—	Subject.	
481985	3-17	Washington	Phila transmitting sets	771-2
481986	3/17	Washington	Norfolk "	771-2
481498	3/17	Phila	Annapolis radio appr.	787-9
315207	3/17	Phila	CO OHIO radio appr.	876
481567	3/18	Fleet Base	Coasters Is Newport radio transformer	822
296044	3-18	Wash	Elec Bt Co amplifiers, vacuum tubes	586-6
481988	3-18	Boston	Ports vacuum tube detectors.	2-Z-6
481504	3/17	Washington	Anacostia amplifier	736-43
434395	3/19	Mare Island	N.N. radio appr. for MD.	898
481998	3/19	Washn	Cavite for Vladivostok radio appr.	920-13
482001	3/19	Washn	Tampa wave meter	1033
481996	3-19	Pug Sd	Ny radio motor buzzer set.	573-6
482387	3/20	see S.R.Norfolk	Chasn(YAMACRAW) con n rod	704
481645	3/19	Washington	Pensacola radio appr.	736-38
482426	3/19	Anacostia	Rockaway Beach radio	736-39
482427	3/19	Washington	Anacostia radio appr.	736-43
480172	3/20	Washington	Chasn amendment of shipt 3/17	761
482429	3/20	Portsmouth	Great Lakes radio appr.	771-2
481997	3/19	M Island	AROOSTOOK radio	24- 771
482433	3/20	Mare Island	Puget Sd stor battery	919-34
482432	3-20	Phila	Annapolis insulators	323-6
482435	3/22	Washington	Anacostia radio appr.	736-43
482440	3/22	Washington	Puget Sd radio appr	845
481995	3/18	Washington	Phila radio appr.	898

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
482441	3-22	Ny	Pug Sd 7000 ft wire	488-6
482444	3-24	Washington	Phila relay incomplete	898
481566	3-23	CO	Boston spare parts listed	588-6
483110	3-24	Wash	CO wave meters.	364-6
483112	3-24	Wash	CO wave meters.	130-6
482842	3-24	Wash	Ports apparatus listed.	2-Z-6
481521	3-23	Squantum	Boston apparatus listed.	251-Q-6
483115	3/24	Key West	Airc Fac Ph radio appr.	918
482418	3-23	CO	Phila radio apparatus.	599-6
483839	3/26	Airc Ph	Coco Solo radio trans sets	736-61
483843	3/26	Washn	M.I. radio	898
482436	3/22	Anacostia	Schenc radio	918
483840	3-26	Wash	Phila transmitting sets.	224-6
483841	3-26	M.Island	AROOSTOOK radio appr.	24-771
483847	3-27	Boston	GE radio appr	898
483849	3-27	Phila	Bur Stds radio	916
483850	3-27	Boston	Bur Stds radio	916
483852	3-27	Norfolk	Bur Standards radio	916
483856	3-29	NY	Bur Stds insulators	916

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Number.	Date.	From or To—	Subject.	
479458	3/6	Washington	E.Pitts radio apparatus	898
479457	3/6	Anacostia	Airc Factory " "	918
479462	3/6	Fleet Sup Base	Laf Sta " "	920
480046	3/6	Washington	" " "	920
480057	3/8	Bur Standards	San Juan radio	835
480054	3/8	Washington	Schenectady radio appr.	898
480056	3/8	Boston	Schenetady "	898
480048	3-8	Boston	Ports antenna coils.	109-0-6
480321	3/9	Washington	radio appr. Ports	66-X-6
480323	3/9	Fleet Base	Ports	66-X-6
480197	3/9	Washn	Chatham radio	736-33
422974	3/9	Annapolis	Fleet Base radio appr.	820
480318	3/9	Washn	Annapolis "	820
480058	3/8	Wash	Bur "	876
480316	3/9	Boston	Key West "	898
480333	3/10	Boston	Portsmouth radio trans sets	771-2
480317	3/10	Washn	Mare Island standard wavemeter	893-4
480317	3/10	Mare Island	Washn "	893-4
480328	3/10	Annapolis	Puget Sdound radio insulators	1016
480320	3-9	Boston	Ports transmitting set	66-X-6
480740	3/11	Washn	Mare Island radio appr.	842
480942	3/11	Washn	Schenectady radio	898
480753	3-12	Wash	CO vacuum tube storage batteries.	342-6

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
480744	3-11	Wash	SE head telephones	902
480751	3-12	Wash	Phila amplifier	918
480752	3-12	Wash	Anacostia batteries.	736-43
480738	3/13	Washington	Fleet Base vacuum tube detectors	771-2
480738	3/13	"	Phila "	771-2
480738	3/13	"	Mare Island "	771-2
480738	3/13	"	Norfolk "	771-2
480738	3/13	"	New Orlns "	771-2
480749	3/12	Airc Factory	San Diego radio appr.	24-771
481196	3-13	Phila	Norf protective relay	191-Q-6
481197	3-13	Wash	Norf Receiving set	191-Q-6
481205	3/15	Boston	Anacostia radio test sets.	736-43
480738	3/15	Washington	Puget Sd vacuum tube detectors	771-2
480738	3/13	Washington	Boston "	771-2
480192	3:15	New London	Annapolis elec motor	797
478225	3/15	Boston	Phila radio trans sets	898
481202	3/15	Boston	Savannah radio Stahl com rectifier	1028
481497	3-17	Brook	Cavite transmitting sets and insu lators.	229-6
481503	3-17	Brook	CO radio compass	510-6
480172	3/17	Boston	Charleston radio mica trans conden	761
480172	3/17	Washn	Charleston radio appr.	761
481509	3/17	Boston	Norfolk trans sets	771-2
481511	3/17	Mare Island	Phila "	771-2

RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—	Subject.	
474030	2/24	Wash	CO Amendment shipt ord 2/7	323-6
477329	2/24	"	N.Y. radio trans set	573-6
477086	2/21	(canc 2/25) Washington	Great Lakes radio appr.	898
477594	2/24	Airc Facty	Pensacola radio appr.	736-38
474502	2/25	Wash	Phila canc order of 2/7	898
477587	2/24	Airc Facty	Anacostia radio appr.	918
477604	2/25	Pensacola	Airc Ph radio	918
477947	2/26	Schenec	Airc Ph radio app	918
469440	2/26	Boston	Quincy canc ship order 1/31	919
478223	2/27	N.Y.	M.I. radio appr.	678
477950	2/27	Fleet Base	Boston radio appr	898
477953	2/27	m "	Phila "	898
477954	2/27	"	Wash "	898
477955	2/27	"	Norfolk "	898
477958	2/27	"	Chasn "	898
477959	2/27	"	M.Island "	898
478220	2/27	"	Puget Sd "	898
478222	2/27	Brook	Puget Sound radio appr	488-6
478236	2/28	Fleet Base	Washington radio appr.	898
447726	2-28	Wash	Ports antenna coils.	109-0-6
474700	3/1	Washington	SHAWMUT radio appr.	699-771
476704	3/1		amenmend shipt order 2/19	882-1
478238	3/1	M.I.	P.H. radio	898

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RADIO SHIPMENT REQUESTS 1920

Number.	Date.	From or To—	Subject.	
451891	3-1	Boston	Union loop antenna wire	123-O-6
478688	3/2	Fleet Base	Key West radio appr.	817
462473	3/2		amendment shipt order 12/11/19	818
478698	3/3	Norfolk	Expr Sta radio appr.	797
478697	3/3	Mare Island	Cavite radio trans sets	806
413576	3/3	cancellation shipmt order of Nov 15th 1919.		898
479248	3/3	Phila	Bloomfield radio appr.	898
479249	3/3	Phila	Pitts "	898
479251	3/3	Phila	NY "	898
478679	3/1	Anacostia	Phila Airc Fac "	918
478695	3/3	Washington	Siasconsett "	1031
478690	3-3	Pug Sd	CO amplifier.	25-X-6
466585	3-2	Wash	Cavite detector,	495
"	3-2	Norf	Cavite transformer	495
"	3-2	Wash	Cavite detector	495
478696	3/4	Boston	Washington radio apparatus	882-1
479252	3/4	Washington	Phila "	898
479254	3-4	Phila	Ny transmitting set.	573-6
479253	3-4	Wash	Norf receivers.	342-Q-6
479255	3-4	Phila	Annapolis telephone-storage battery	323-6
478691	3/3	Airc Fac	Washington radio appr. for PO Dept	898
479454	3/5	Phila	Bethany Beach radio appr.	919-4
477746	3/5	Washington	Bar Harbor radio appr.	920-2

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
475727	2-13	Boston	Bath switches	345-Q-6
475163	2/12	Airc Phila	Cape May radio trans sets	736-32
475396	2/12	Airc Ph	Pensacola radio	736-38
473035	2/13	Wash	Guantnamo amend shipt ord 2/2	814
475011	2/13	Phila	NY radio appr.	898
475012	2/13	MI	Puget Sd radio appr.	898
475409	2/13	Phila	E Pitts "	898
463845	2/12	Airc Ph	Anacostia canc of items SO 12/19	918
475157	2/12	Hampton Rds	Airc Phila radio trans sets	918
475158	2/12	Pensacola	Airc Ph "	918
475159	2/12	Anacostia	Airc Ph "	918
475162	2/12	Airc Ph	Rockaway Beach "	918
475714	2-16	Brook	Phila compensator	148-Q-6
476412	2/17	Haiti	Coco Solo radio appr for Puerto Obl.	793-8
476409	2/17	Washington	Pearl Harbor radio appr.	852
475724	2/17	Wash	College Park radio appr for PO Dept	898
476038	2/17	Phila	Washington radio appr.	898
475715	2-17	Norf	CO trnasformer	559-6
466486	2/18	Newport	Boston radio appr.	689-10
473864	2/18	Washington	Panama Canal radio appr.	727-1
473864	2/18	Boston	Panama Canal "	727-1
476418	2-18	Norf	Ports compensator	110-0-6
476415	2-18	Norf	Coco Solo compensator	586-6
476416	2-18	Norf	FR compensator	595-6

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
476420	2-18	Norf	Key West compensator.	421-6
476532	2-19	Wash	CO wave meter.	222-6
476713	2/19	Fleet Base	Coco Solo radio appr	898
476710	2/19	Norfolk	Coco Solo radio appr.	904
457913	2/20	Boston	Ports radio compass equipment	704
477076	2/20	Washington	Hampton Rds radio avia appr.	736-34
476706	2/19	Washington	Rockaway Beach radio appr.	736-39
477078	2/20	Airc Phila	Anacostia radio appr.	736-43
476704	2/19	Washington	Airc Phila storage batteries	882-1
477068	2/20	Anacostia	Western Elec Ny radio vac tubes	918
477071	2-20	So.Brook	CO transmitting set.	522-6
477070	2-20	Norf	BUSHNELL compensator	109-0-6
477323	2-21	Wash	CO insulator	130-6
477322	2-21	Wash	CUYAMA insulator	508-6
477314	2/21	Fleet Base	Great Lakes radio appr.	898
477067	2/21	Charleston	Great Lakes radio appr.	902
477317	2/21	Fleet Base	Great Lakes radio appr.	906
477158	2/24	Washington	Phila radio appr.	761
477590	2/24	M.I.	Norfolk trans sets	771-2
477591	2/24	M.I.	Phila "	771-2
477592	2/24	Phila	Norfolk equipments	771-2
477314	2/24	Fleet Base	Great Lakes amend shipt ord 2/21	898
477358	2/24	Mare Island	Puget Sound ~~radio appr for ships~~	898

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Number.	Date.	From or To—	Subject.	
473028	2 /2	Airc Phila	Wash radio apparatus	918
468765	2/2	Sayville	Annapolis transfer loading induc	920-8
465505	2/3	Wash	Pensacola Radio telegraph	206-Q-6
473517	2/4	Boston	Beaufort amendment of shipt ord 2/3/20	800
471524	2/4	Wash	Palo Alto canc shipt ord 1-26	815
471523	2/4	Wash	Darine canc shipt order of 1-26	851
454913	2/4	Wash	H'Rds canc ship order 11-4-19	918
473515	2/3	Wash	Arcadia radio helmets	918
473516	2/3	Wirc Phila	Arcadia "	918
468765	2/4	Sayville	Annapolis radio apparatus	920-8
473518	2/4	Wash	CO radio appr.	323-6
473829	2/5	Rockaway Beach	Phila Airc Fac radio appr.	736-39
471866	2/5	Wash p	Cavite canc ship ord 1-26	806
471527	2/5	Wash	Long Is NY canc shipt order 1-26	920-8
471528	2/5	Wash	Cayey canc shipt ord 1-26	920-4??
474021	2/6	Fleet Base	Wash insulators	911
474030	2-7	Wash	CO radio material listed.	323-6
421143	2/7	Anacostia	H.Rds canc shipt order 5/27/19	736-34
473019	2/7	Wash	Pensa radio appr/	736-38
473023	2/7	Wash	San Diego amendment of shipt order 1/31	736-40

RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.	
474031	2/7	Washington	Dept. radio appr.	898
474502	2/7	Washington	Phila "	898
473019	2/7	Washington	Pensacola radio appr.	736-38
473909	2/9	Boston	Wash radio appr.	882-1
434724	2/9	Norfolk	Wash radio appr	898
434726	2/9	Phila	Wash Radio appr.	898
474507	2/9	MI	Ft Gibbon Alaska radio appr for SC	898
474579	2-9	Bath	Boston radio compass house	345-Q-6
474513	2/10	Washington	Balboa batteries	882-1
474514	2/10	Phila	Bloomfield vacuum tubes	898
474517	2/10	Wash	St Louis radio appr.	918
474516	2/10	MI	Puget Sound radio appr/	919-29
474515	2-10	Wash	Ny radio apparatus.	573-6
474001	2/11	Anacostia	Bu Std Wash airc radio trans set	916
475150	2-11	Wash	Ny Model " G " receiver.	573-6
475149	2-11	Boston	Bath radio amplifier	346-Q-6
475404	2/12	Phila	Deforest NY vac tubes	898
475153	2/11	Anacostia	Arcadia blinker sets	918
475154	2/11	Rockaway Beach	Phila Airc Fac radio appr.	918
475156	2/11	Cape May	Phila Airc Fac radio appr	918
475111	2-12	Norf	M Is spare part box Simon transmitter	92-0-6
466760	2-11	So.Brook	Inspr Lake transmitting sets.	119-0-6
475401	2-12	So.Brook	M Is transmitter	142-6

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Number.	Date.	From or To—	Subject.	
448099	1/28	Phila	Pearl Harbor radio apparatus	615-21
472215	1/28	Washington	Coco Solo radio appr	736-41
472218	1/28	Phila	Coco Solo radio appr	736-41
467943	1/27	Phila	Rockaway Beach radio appr	747-40
472213	1/27	Washington	AROOSTOOK radio appr	24-771
453351	1/27	H.Rds	SHAWMUT radio helemts	918
472219	1/28	Anacostia	Airc Ph radio appr	918
472079	1/28	Annapolis	Wash hydrogen cyl and Burd manfld	920-1
472079	1/28	Washington	Annapolis ditto	920-1
472340	1-28	Phila	Ny insulators.	573-6
472214	1-28	Wash	CO loading coils,resistances etc	323-6
469440	1/29	Norfolk	Quincy amendment of ship order 1-16	919
472356	1/29	Washington	Jupiter Inlet radio apr.	919-35
472357	1/29	Phila	Jupiter In radio appr.	919-35
472784	1/29	Fleet Base	Annapolis boiler tubes	920-1
472355	1-29	Wash	CO apparatus listed.	323-6
472573	1-29	Wash	CO wave meter	279-Q-6
448099	1/29	Boston	Pearl Harbor radio appr.	615-21
421489	1/30	Wash	Quantico amendment shipt order 6/30/19	761
421489	1/30	Airc Ph	Quantico radio helmets	761
233731	1/30	Washington	G.L. amend shipt order 7/ 6/17	875
472770	1/30	Washington	European Forces radio appr/	898
469440	1/29	Fleet Base	Quincy radio comp systems	919

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RADIO SHIPMENT

Number.	Date.	From or To—	Subject.		
472767	1/30	Wash	Lake Tor Bt Co radio appr.		103-0-6
472772	1/30	Wash	Boston	tuning condenser	455-6
472768	1/30	Wash	NY	coupling coil	529-6
472496	1/31	M.I.	P.H.	radio appr.	678
473023	1/31	Wash	San Diego	radio appr.	736-40
472775	1/31	Airc Phila	Anacostia	radio appr.	736-43
251803	1/31	Wash	San Diego	amendment shipt ord 10/15/17	918
473024	1/31	Airc Phila	Cardstrom	radio appr.	918
473025	1/31	Wash	Cardstrom	"	918
469440	1/31	Boston	Quincy	radio appr	919
473017	1/31	Wash	Bridgeport	radio appr	105-0-6
472343	1/29	Wash	CO	radio apparatus	323-6
473016	1/31	Phila	CO	"	323-6
473035	2/2	Wash	Guantanamo	radio appr.	814
470851	2/2	Wash	Astoria	amendment	872
473032	2/2	Wash	Bur Standards	radio aud meters	893-5
473029	2/2	Wash	Bur Stds	trans set	898
473504	2/2	Wash	Pensacola	radio compass	919-39
473020	2/2	Airc Ph	San Diego	radio appr.	736-40
472476	2/2	Fleet Base	Coco Solo	radio appr	736-41
472476	2/2	Wash	Coco Solo	radio appr.	736-41
473517	2/3	Boston	Beaufort	radio	800
473034	2/3	Wash	Balto	radio	874

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Number.	Date.	From or To—	Subject.	
471282	1-24	Wash	Pearl Harbor selector switch	1035
471276	1-24	Wash	Ny amplifiers.	898
471510	1-24	Wash	Bu SE rotary tone condenser	882-1
471281	1-24	Wash	Guam selector switch	813
469446	1-24	M Is	Pug Sd arc transmitter.	771-2
470997	1-24	Wash	Panama Canal radio apparatus	727-1
471283	1-24	Wash	Cayey selector swithh	920-4
471264	1-24	Wash	Pearl Harbor spark gap plates.	852
468767	1-24	Phila	Wash vacuum tubes.	840
470852	1-24	Wash	Chasn amplifier	807
471279	1-24	Wash	Cavite selector switches	806
470458	1-24	Ports.N.H.	CO receiver	336-6
471269	1-24	Wash	Phila misc material	323-6
471506	1-24	Ny	Phila condenser complete	3-T-12
461672	1-26	Chasn	Boston boilers.	80-X-10
471736	1-26	Norf	Pearl Harbor pistons,cylinder heads.	1-Z-9
448099	1-26	Puget Sd	P.H. radio appr. W	615-21
471516	1-26	M.I.	San Diego radio appr.	736-40
469447	1-26	M.I.	Norf amend of Shipt order 1-17	771-2
469448	1-26	Wash	Norf " " 1-17	771-2
471866	1-26	Washington	Cavite radio apparatus	806
471524	1-26	Washington	Palo Alto radio appr	813
471520	1-26	"	M.Island radio appr.	818
471519	1-26	"	San Diego radio appr.	830

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RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.		
471526	1-26	Washington	San Diego	radio hs key panel.	830
471516	1-26	"	Mare Island	selector switch	842
471523	1-26	"	Darien	radio hs key panel	851
471529	1-26	"	Pearl Harbor	radio high speed key panel	852
470465	1-26	Anacostia	Phila Airc	canc of shipt order 1-22	918
471513	1-26	Washington	Phila	radio direc finder	918
471528	1-26	Washington	Cayey	radio hs key panel	920-4
471527	1-26	"	Sayville	radio hs key panel	920-8
471266	1-24	"	Vladivostok	radio appr.	920-13
471517	1-26	"	Hampton Rds	selector switch	1038
471879	1/27	Washington	Cavite	radio appr	806
471883	1/27	"	Palo Alto	radio appr	813
472211	1/27	"	MI	radio appr	818
471882	1/27	"	San Diego	radio appr	830
472212	1/27	"	Palo Alto	radio appr for Dairen	851
471881	1/27	"	P.Harbor	radio send keys	852
468395	1/27	"	Virgin Islands	radio stor batteries	863
472210	1/27	"	Cayey	radio send keys	920-4
471884	1/27	"	Sayville	radio appr.	920-8
471868	1/27	"	NY City	radio appr	1041
471876	1/27	"	Jacksonville	radio appr	1014
471877	1/27	"	"	"	1014
471873	1/27	"	Savannah	radio app	1028
471875	1/27	"	"	"	1028

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
469440	1-16	Norf	FR radio compasses.	919
469438	1-16	Chasn	Pensacola radio compass system.	736-38
383189	1-17	Norf	M Is transmitting sets.	771-2
469447	1-17	M IS p	Norf transmitting sets	771-2
469448	1-17	Wash	Norf power equipments and receivers.	771-2
468306	1-19	Wash	Boston condensers.	882-1
469996	1-19	Wash	Phila transmitting set	828
470003	1-20	Wash	CO receivers.	323-6
470005	1-20	Wash	Cavite	806
470011	1-20	Wash	M Is radio keys	818
470445	1-20	Wash	M Is radio keys	818
470007	1-20	Wash	San Diego radio keys	830
470006	1-20	Wash	Pearl Harbor radio keys.	852.
470000	1-20	Brook	Newark transmitting sets	898
470001	1-20	Phila	Wash transmitting sets	898
470013	1-20	Wash	Fed. radio keys	898
469999	1-19	Anacostia	Chicago radio helmets	918
470008	1-20	Wash	Sayville radio keys.	920-8
468768	1-20	Wash	Phila receivers.	1043
470459	1-21	Boston	Squantum receivers etc.	264-Q-6
470460	1-21	Wash	" receivers etc.	264-Q-6
470457	1-21	Wash	CO wave meter	364-6
469453	1-17	Wash	CO condensers	699-771
470451	1-21	Wash	SE receivers etc.	898

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
470455	1-21	Wash	M Is receivers etc.	898
468989	1-21	Phila	San Diego Aldis Sig Searchlight	918
470453	1-21	Phila	M Is radio compass coils	919
446815	1-10	Wash	Ny antenna condenser	771-2
470837	1-22	S.Brook	Boston transmitting sets.	771
469450	1-22	Wash	So. Brook radio power equipment	771-2
469449	1-22	M Is	So. Brook radio transmitting sets.	771-2
470840	1-22	Brook	Pug Sd apparatus listed.	845
470842	1-22	Boston	Pug Sd apparatus listed.	845
470844	1-22	Wash	Pug Sd batteries.	845
470845	1-22	Phila	Pug Sd generator units.	845
470465	1-22	Anacostia	Phila direction finder	918
469535	1-22	Washington	Phila radio apparatus	689-15
469535p	1-22	Washington	Phila radio apparatus	689-15
459088	1-23	Phila	NNs insulators.	1654-K-6
470932	1-23	M Is	CO amplifier	391-6
471239	1-23	M Is	Pug Sd storage batteries.	488-6
470847	1-23	Wash	Annapolis radio wave meters.	820
470850	1-23	Wash	Astoria receiver	872
470851	1-23	Wash	Astoria amplifier	872
471265	1-23	Wash	Pug Sd receivers,amplifiers	898
470846	1-23	Wash	Newark N.J. receiver	898
468768	1-23	Wash	Phila receiver	1043

RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To—	Subject.	
465501	12-31	Norf	CO radio material listed.	467-6
466571	1-3	Wash	CO amplifier	342-6
381473	1-5	Wash	Smithsonian receiving set	918
381473	1-5	Phila	" antenna	918
466587	1-5	Wash	Phila receivers.	828
466583	1-5	Phila	Pensacola transmitting set	699-771
466583	1-5	Wash	Pensacola condensers.	699-771
446815	1-5	Wash	Pug Sd vacuum tube charging panel	771-2
466820	1-5	Wash	Norf radiation ammeter panel	522-6
466426	1-5	Ford	F.S.B. radio apparatus.	2-Z-6
466828	1-6	F.S.B.	Newark N.J. insulator	911
466829	1-6	F.S.B.	College Park Md. insulator.	911
466824	1-6	Wash	Ord. Dept radio head phones.	898
465789	1-6	Ny	Anacostia radio apparatus.	918
466835	1-6	Wash	Dept radio batteries.	882-1
466827	1-6	Wash	Haiti radio phone cords.	865
466834	1-6	M Is	Cavite radio batteries.	806
464411	1-6	Gloucester	Phila magnavox sets.	736-4
466625	1-6	Wash	Ft. Monroe receiver.	727-1
466585	1-6	Wash	Cavite radio apparatus listed.	495
453862	1-6	Wash	Ny booth	130-6
466725	1-6	Wash	Bellefonte, Pa radio apparatus	685
467352	1-7	Ny	Wash storage batteries.	882-1

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RADIO SHIPMENT REQUESTS: 1920

Number.	Date.	From or To--	Subject.	
467289	1-7	Wash	El Cayey receiver,detector etc.	920-4
463700	1-7	F.S.B.	CO panels,detector,amplifiers etc	556-6
466417	1-6	Wash	CO receiver	164-6
466626	1-8	Wash	Signal Corps receivers.	727-1
467294	1-8	F.S.B.	Radio Va. quenched spark gap.	841
466838	1-7	Wash	Phila vacuum tubes.	828
467306	1-8	Wash	CO amplifier,vacuum tubes	130-6
464551	1-8	Cape May	Phila A.C.F. spare for transmitting set	736-32
467305	1-8	Phila	Pensacola buzzer blinker sets.	736-38
467272	1-10	Wash	Agr.Dept amplifiers-phones etc.	898
467805	1-10	Wash	Mobile receiver.	1024
467811	1-10	Wash	Bu SE storage batteries.	882-1
468293	1-12	Chatham	Phila transmitting sets	918
468294	1-12	Rockaway	Phila "	"
468297	1-12	Cape May	" "	"
468298	1-12	Hampt Rds	" "	"
468299	1-12	Pensacola	" "	"
468300	1-12	Key West	" "	"
468303	1-12	Anacostia	" "	"
468311	1-13	Wash	Lake receivers,amplifiers	119-0-6
468127	1-13	Norf	New Orleans transformer	189-6
466832	1-13	Phila	A.C.Fac.Phila vacuum tubes.	828
468307	1-13	Wash	Rockaway condenser and radio battery	736-39

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RADIO SHIPMENT REQUESTS: 1919

Number.	Date.	From or To—	Subject.	
461075	12-19	Phila	Hampton Rds. phones, batteries.	736-17
461075	12-19	Ny	Hampton Rds. batteries phones.	736-17
463162	12-18	Phdla	Wash dynamotors	918
463163	12-18	Phila	Medford, Mass. transmitter.	918
463862	12-20	Ny	Boston electrose insulators.	455-6
464411	12-20	Gloucester	Phila A.C.F. magnavox sets	736-4
464376	12-20	Wash	Pt. Isabel 2 25 K.W. generating sets.	853
463726	12-22	Boston	Phila antenna transfer switches	332-6
463726	12-22	Norf	Phila generators, transformers etc	332-6
464311	12-22	S.Brook	Pug Sd cable	488-6
463726	12-23	Phila	CO Miscellaneous apparatus	332-6
463726	12-23	Wash	CO 2 "	332-6
463726	12-23	So.Brook	CO radio phone spare part box.	332-6
464316	12-23	Phila	Norf cable	522-6
464322	12-23	Wash	Ny buzzer coupling coil.	529-6
465062	12-24	Phila	Norf cable.	522-6
465061	12-24	Wash	Boston antenna tuning condenser	455-6
464318	12-23	Wash	Rockaway amplifier, vacuum tubes	736-39
464319	12-23	Phila	Rockaway apparatus listed.	736-39
465065	12-26	M Is	Pug Sd transmitting sets.	771-2
465066	12-26	Wash	CO amplifiers, loading coils etc.	384-6
465064	12-26	Boston	Colon radio relay keys.	808
465068	12-27	Anacostia	Wash radio dynamotor.	882-3
448029	12/29	CO	Quincy ~~radio apparatus~~	107-0-6

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RADIO SHIPMENT REQUESTS: 1919

Number.	Date.	From or To—	Subject.	
465280	12-29	Norf	Grt Lks generator set	771-2
465923	12-30	Gloucester	Phila magnavox set	493
466072	12-31	Boston	CO storage battery	275-Q-6
465791	12-30	Phila	CO radio compass	188-6
459623	12-30	M Is	CO amplifiers.	119-Q-6
459258	12-30	G L Dist	GRT Lks train School buzzer instr set	876
465077	12-29	F.S.B.	Detroit transmitting set	1005
463846	12-27	Phila	Post Office Wash transmit set, mag set	918
464324	12-26	Phila	Wash radio storage batteries.	882-1
465078	12-29	San Diego	Pearl Harbor transmitting sets	736-56
465074	12-27	Wash	Pearl Harbor amplifiers.	1035
465074	12-27	Wash	Peking transmitting sets.	857
465072	12-27	Wash	Coco Solo amplifiers.	736-41
464730	12-27	F.S.B.	Mail Field Newark N.J. transmit set	685
454896	12-31	Phila	Hampton Rds transmitters, vacuum tubes	918
455361	1-2	Phila	Hampton Rds insulators, antenna reels.	918
315207	12-31	Wash	M Is amplifiers.	876
465795	1-2	Wash	Phila radio power equipments	771
465797	1-2	M Is	Phila transmitting sets	771
465793	12-31	Phila	Norf cable	522-6
466569	1-3	Wash	Bar Harbor receivers.	920-2
462944	1-3	Hampt Rds	Phila radio apparatus listed	736-34
461037	1-3	Wash	Phila radio batteries	898

Number.	Date.	From or To—	Subject.		
421489	12/9	Washington	Paris Is.	Amend Shipt order 6-30	761
421489	12/9	"	Quantico	" " " 6-30	761
461834	12/9	Washington	Charleston	radio rec amplifier	807
462126	12/9	Radio Va	Annapolis	induction motor	841
461835	12/9	Washington	Schenectady	radio booth relay	898
462124	12/9	Washington	Navy Dept	radio booth	898
462129	12/9	Phila	Bellefonte Pa.	electrose radio insulators	911
434988	12/9	Washington	Otter Cliffs	amend shipt order 7-28	920-2
431992	12/10	Airc Ph	Cristobal	Radio appr.	727-1
432000	12/10	Phila	Hawaii	radio appr.	727-1
462150	12/10	Charleston	Phila	cable see shipt reqst	731
421489	12/10	Airc Ph	Paris Island	radio matrl.	761
421489	12/10	Phila	Quantico	radio matrl.	761
462139	12/10	Wash	N.Y.	radio matrl	823
462138	12/10	Wash	Norf	radio matrl	824
462136	12/10	Wash	Phila	radio matrl	828
462157	12/10	Washinton	Boston	radio matrl	845
462130	12/11	Wash	Pensacola	Radio apparatus	699-771
462473	12-11	Annapolis	M Is	Radio arc set	818
462466	12-11	Washington	Haiti	Radio batteries	865
462467	12-11	Phila	Haiti	insulators	865
462089	12-12	Ford	So Brooklyn	Radio material	2-Z-6
462471	12-11	So Brooklyn	NN	transmitting set	194-Q-6
462470	12-11	Norf	NN	transmitting set	193-Q-6

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Number.	Date.	From or To—	Subject.	
462468	12-11	NY	Annapolis duplex lead covered cable.	920-1
462469	12-11	Wash	Ports vacuum tube detectors.	704
462480	12-12	Chi	Hampt Rds radio helmets.	824
462735	12-13	Wash	Phila amplifiers.	828
462732	12-12	Anacostia	Wash dynamotor, starting switch	840
462733	12-12	Anacostia	Wash storage batteries	840
462726	12-13	Wash	Boston amplifiers.	843
462479	12-12	Wash	Ad. Benson receivers-detectors etc.	898
462060	12-12	Carlstrom	Phila Air Fact. all radio material	918
462734	12-12	Phila.A.F.	Anacostia storage battery	736-43
462730	12-12	Wash	Pensacola radio batteries.	736-38
462729	12-12	Phila A.F.	Pensacola radio batteries.	736-38
463146	12-15	Wash	Pug Sd. arc loading coil, radio	488-6
461864	12-15	Wash	CO long wave wave meter	408-6
463145	12-15	Boston	Phila sub loop antenna wire	907
462745	12-15	Wash	Phila amplifiers.	828
431327	12-15	Brook	Boston receivers.	771-2
463144	12-15	Norf	Chasn receivers.	771-2
382189	12-15	New Orl	Phila receivers.	771-2
461834	12-9	Wash	Chasn apparatus listed.	807
443427	12-16	Hartford	Norf interrupters.	611-2

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Number.	Date.	From or To—	Subject.	
460574	12/2	Wash	Guam radio apparatus	813
460573	12/2	Wash	Mare Island radio appr.	818
460576	12/2	Wash	Darien C.Z. radio appr.	851
460113	12/1	Coco Solo	Phila SC tube assigned to Sub O-16	876
460569	12/1	CO DELA	N.Y. portble radio field set	896
460575	12/2	Wash	Porto Rico radio appr.	920-4
459567	11-28 9	Wash	Norf apparatus listed. v	342-Q-6
"	"	Boston	Norf transmitting sets.	"
"	"	Boston	Norf emergency transmitting sets.	"
460112	12-1	Wash	Pug Sd radio arc relay key.	488-6
460581	12-2	Airc Facty	Pensacola radio transmitting sets	736-38
460792	12/3	MI	Presidio of San Frisco radio rec	727-1
461035	12/3	Fleet Base	Jupiter radio blower	816
460582	12/3	Washington	M.I. radio batteries	818
460586	12/3	Washington	Norf batteries	824
460585	12/3	Washington	Phila batteries	828
460583	12/3	Washington	Puget Sound radio batteries	833
460584	12/3	Washington	Boston radio batteries	843
461032	12/3	Washington	Hampton Roads radio batteries	882-1
461234	12/5	Mare Island	Seattle Wash (BURNSIDE) radio appr.	727-1
461234	12/5	"	Ft Egbert Alaska radio appr.	727-1
461234	12/5	"	Craig Alaska radio appr.	727-1
461234	12/5	"	Nome Alas radio appr	727-1

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Number.	Date.	From or To—	Subject.	
461234	12/5	Mare Isl	Iditarod Alaska radio appr for S.C.	727-1
461234	12/5	"	McGrath Alas "	727-1
461234	12/5	"	Fairbanks Alaska "	727-1
461234	12/5	"	Circle City Alaska "	727-1
461234	12/5	"	St Michael Alaska "	727-1
461234	12/5	"	Holy Cross Alaska "	727-1
461234	12/5	"	Ft Yukon Alaska "	727-1
461234	12/5	"	Nulato Alaska "	727-1
461038	12/4	Cavite	Cayey radio apparatus	920-4
461043	12-4	Boston	NNs transmitting sets.	190-Q-6
461045	12-4	Wash	NNs receivers, amplifiers etc.	191-Q-6
461046	12-4	Norf	NNs telephones. etc	191-Q-6
461047	12-4	Boston	M Is emergency transmitting sets	336-Q-6
461048	12-4	Wash	M Is receivers etc.	340-Q-6
423501	12-5	Wash	Pug Sd. radio field set	488-6
459715	12/6	Anacostia	Signal Corps Wn radio dynamoter	727-1
461496	12/6	Washington	Landg Field Bellefonte Pa radio appr	882-1
454200	12/8	Norf	San Juan canc of shipmt order 11-3	678
413764	12/8	Wash	Charleston radio receivers	898
461822	12-8	Phila	Norf insulators	522-6
461821	12-8	Wash	CO amplifiers etc.	188-6
454200	12/9	Washington	San Jaun radio receiver	678
431992	12/9	Washington	Cristobal CZ amendme of ship ord 7-12	727-1
432000	12/9	Wash	Hawaii amend of shipt order 7-14	727-1

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Number.	Date.	From or To—	Subject.	
458938	11/21	Norfolk	Mare Island radio receivers.	771-2
445690	11/20	(See Shipt Req) Middletown	Gloucester engine parts	767-8
458935	11/21	Fleet Base	Puget Sound 250 bamboo pieces.	875
458936	11/21	Washington	Phila radio receivers	898
458597	11/21	N.Y.	Washington 15000 ft radio antenna wire	906
458385	11/20	Airc Ph	Arcadia Fla. radio trans set	918
458386	11/20	Washington	Arcadia ' radio rec tubes battrs	918
458937	11/21	Washington	Phila airc radio amplifier	919-9
458587	11/20	Boston	Otter Cliffs 24 radio vac tubes	920-2
458950	11/22	Norf	Chas Stahl comm rectf	807
458946	11/22	Wash	Boston 3 radio receivers	898
458944	11/22	Ph	N.O. gas eng bat charg unit	919-17
458947	11-22	Phila	Quantum radio compass equipment.	295-Q-6
458945	11-22	Wash	Pensacola buzzer & blinker practice sets.	736-38
448099	11/24	Fleet Base	P.H. radio appr.	615-21
459270	11/24	Norf	P.H. radio appr.	615-21
459271	11/24	Ph	P.H. radio appr.	615-21
459273	11/24	Washington	P.H. radio appr.	615-21
459268	11/24	Washington	Boston radio arc relay key	898
459269	11-24	Wash	CO amplifiers.	189-6
46236	11-24	void Gloucester	Allison spark plugs. void	629
459362	11/25	Phila	CDAEngr. Jackson Barracks La radio switch	727-1
445690	11/22	H.Rds	Washington spare parts for trans emerg set gas engine drive	767-8

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Number.	Date.	From or To—	Subject.	
453852	11/22	Phila Airc	Yd Phila amplifier	918
459678	11/25	Washington	Phila radio receivers amplfs	919
459330	11/25	Washington	European Forces 24 vacuum tubes	920
Helena 1	11/25	M.I.	CO Helena storage batteries	L.R.
459672	**11-25**	**Wash**	**Phila medium wave receivers.**	**590-6**
450712	**11-25**	**Bath**	**Boston emergency transmitting sets.**	**345-Q-6**
459470	11/26	Fleet Base	ammeter	704
459681	11/26	Washington	M.I. radio receivers	771-2
459688	11/26	Washington	Boston radio recievers	771-2
459693	11/26	Brooklyn	Washington defec vac tubes	898
459690	11/26	Airc Ph	Bu Stds radio vac tubes	916
459689	11/26	Bu Stds	Phila Airc defec vac tubes	918
459676	**11-25**	**Wash**	**San Diego vacuum tubes etc.**	**736-40**
459677	**11-25**	**Phila**	**San Diego insulators.**	**736-40**
460105	11/28	Washington	Observatory 6 radio vacuum tubes	898
460100	11/28	Fleet Base	Milwaukee 2 2 kw Low radio trans set.	1023
460101	**11-28**	**Boston**	**Washington special loop antenna wire**	**107-0-6**
456468	11/29	Fleet Base	Puget Sound telemeter	678
456468	11/29	Fleet Base	Boston telemeter	678
460107	11/29	Washington	Rec Sta N.Y. City airc radio ampl	898
456681	12/2	Wzashington	Phila radio arc trans set	771-2

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Number.	Date.	From or To—	Subject.	
457463	11/13	Washington	Ft. Wayne Ind vacu tubes	898
457179	11/14	Phila	Wash radio trans set	898
456534	11/14	Wash	Postoffice Dept radio appr.	918
457815	11/15	Norf	K W Stahl commutator rectifier	817
413576	11/15	Wash	BEAVER 6 radio stor batteries	898
441417	11/15	Airc Phila	Bu Stds 12 radio vacuum tubes	916
441417	11 /15	Wash	Bu Stds Canc of Shipt order of 8/25/19	916
453222	11/15	Fleet Base	Bellefonte Amend of shipt order of 10/22	918
457817	11-15	Wash	CO miscellaneous meters listed.	323-6
457826	11-15	Phila	Norf radio compass coils.	342-Q-6
457825	11-15	Phila	Union radio compass coils.	307-Q-6
457824	11-15	Phila	Inspr NYS radio compass coils.	244-Q-6
457823	11-15	Phila	Cramps radio compass coils	280-Q-6
444286	11-13	Wash	Phila vacuum tube detector	1653-K-6
454721	11-13	Insp Keyport	Airc Facty 1 box misc radio equipment	736-
458010	11/17	Fleet Base	Ports radio apparatus	832
457816	11/15	Anacostia	Schnec radio appr.	898
457822	11-15	Phila	NNs radio compass coils	191-Q-6
447728	11-17	Brook	Boston sound proof receiving booths.	205-6
458011	11/17	Washington	Norfolk receivers ampl tube detectors	824
458003?	11/17	Phila	Puget Sd radio appr for ships listed	833
448787	11/18	NEW YORK CO	Wash. radio equipment British	876

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Number.	Date.	From or To—	Subject.	
448787	11/18	CO WYOMING	Washington British radio equipment	876
448787	11/18	CO TEXAS	" " "	876
448787	11/18	CO ARKANSAS	" " "	876
457005	11/17	Washington	Naval Communications radio vacu tubes	898
457515	11/18	Washington	Annapolis Anode tips arc carbons	920-1
458017	**11-18**	**Boston**	**Phila antenna shortening condensers.**	**590-6**
458018	**11-18**	**Phila**	**M Is radio quenched spark gap**	**554-6**
455400	**11-19**	**Wash**	**CO transformer coils.**	**515-6**
458380	**11-19**	**Brook**	**Phila compensator.**	**148-Q-6**
458368	11/18	Phila	NY City radio appr for Internatl RT Co	898
458384	11/19	Washington	Annapolis radio appr	920-1
458381	11/19	Phila	PO Dept Wash radio appr	911
458383	11/19	Norf	Charleston radio appr for SEMINOLE	919
455625	11/19	Chciago	Wash Amend SO 11/6/19	898
458826	11/20	Phila	Arcaid Fla stor batteries	882-1
457822	11/19	Wash	N.O. radio receiver	898
453225	11/19	Phila	Landing Field Bellefonte Pa silicon antenna wire	918
458382	11/20	South Brook	Boston radio compass equipments	919
458588	**11-20**	**Wash p**	**CO vacuum tube charging panels etc.**	**283-6**
454494	**11-20**	**Brook**	**CO rheostat.**	**554-6**
458584	11-19	Airc Facty	Hamp Rds 1000 ft radio compass wire	736-34
458582	11-20	Wash	CO receivers-detectors etc.	364-6
458596	11-21	Phila	Pug Sd insulators	121-6

Number.	Date.	From or To—		Subject.	
456680	11/10	Fleet Base	Guantanamo	radio matrl	814
456986	11/10	Boston	Key West	radio matrl	817
456679	11/10	Boston	New Orleans	radio appr.	821
454997	11/10	Wash	Pearl Harbor	radio appr	852
455990	11/10	Wash	Miami	receiver	858
456584	11/10	Fleet Base	Mare Island	switch	876
454999	11/10	New Lond	Anacostia	radio trans set	898
451891	11/8	Boston	Quincy	Amendment of SO of 10/16	123-0-6
451790	11/10	Wash	Coco Solo	radio vac tube detec ampl	2-Z-6
456672	11/10	Fleet Base	Alpena	radio trans set	870
456188	11/10	Boston	Mare Island	radio antenna wire	907
455989	11/10	Wash	Pearl Harbor	radio appr for Wailupe	1035
446815	11/11	Wash	NY	radio matrl for Tenafly	771-2
315207	11/11	Wash	CO CAMDEN	radio matrl	876
457174	11/11	Airc Ph	Wash	radio wave meter	893-4
456983	11/11	NY	Puget Sound	searchlight appt	708
453860	11/10	Fleet Base	Bridgeport	radio apparatus	106-0-6
453859	11/11	Wash	Ph	Amend of Shipt order of 10/27	138-Q-6

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Number.	Date.	From or To—	Subject.	
264944	11/10	Boston	Mare Island transmitting set	521-6
456678	11/11	Fleet Base	Buffalo Radio Sta radio trans set	1000
457177	11/12	Wash	MI 2 masts	890
457178	11/12	Fleet Base	MI radio trans set	898
457181	11/12	Fleet	Boston "	898
457182	11/12	Fleet	GL "	898
457183	11/12	Boston	MI "	898
457184	11/12	Boston	Norf "	898
457185	11/12	Boston	P.Harbor "	898
449360	11/12	Wash	MI Amendment of shipt order 10/8	330-Q-6
454494	11/12	Norf	CO NEW MEXICO Canc of Ship order of 10/28	554-6
457176	11/12	Wash	NN vacuum tube detectors	1655 K-6
456462	11/13	Wash	Phila radio receivers	231-Q-6
457165	11/13	Phila	Bath radio compass coils	345-Q-6
455624	11/13	Phila	Puget Sd radio appr.	488-6
455624	11/13	Fleet	Puget Sound Canc of Ship order 11/5	488-6
457464	11/13	Wash	K West wave meter	817
457444	11/13	Wash	Annapolis ~~wave~~ radio transformer coils	820
457456	11/13	Fleet	Wash radio lightning switches	840
457187	11/13	Wash	Tutuila radio appr.	846
456511	11/13	Wash	Wrangel Alaska radio appr	727-1

RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—	Subject.		
454897	10;31	Washington	Phila.	Radio rec sets, bat. and vacuum tubes.	918
450712	11-3	Boston	Bath	radio telephones	345-Q-6
455362	11-3	Chasn	Pug Sd.	receiving booths	131-6
455363	11-3	S.Brook	Pug Sd.	receiving booths	131-6
454200	11/3	Norfolk	San Juan	radio receiver	678
455352	11/1	Wash	H.Rds	radio tel appt.	918
455607	11/4	MI	Puget Sd	radio appt	771-2
452534	11/4	Wash	Cavite	radio appr	806
455614	11/4	Boston	Ports	radio appr	907
455615	11/4	Boston	Quincy	antenna wire	907
455610	11/4	Wash	Boston	radio comp amp	919
450712	11-4	Boston	Bath	emergency transmitting sets.	345-Q-6
452449	11-5	Wash	Ports	amplifiers.	98-Q-6
454102	11/4	Phila	Mather Field	radio telegraph material	727-1
403971	11/5	Wash	NY	Canc Ship order of 3/21	898
455625	11/5	Chicago	Wash	vacu tubes	898
455357	11/3	Airc Ph	H/Rds	radio appr	918
455361	11/3	Ph Airc	Ph Yd	radio appr for SHAWMUT	918

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RADIO SHIPMT REQST

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.		
454999	11/6	New London	Phila Airc Facty	radio trans set	898
456000	11/6	Boston	N.Y.	radio wire	907
456187	11/6	Boston	Phila	radio wire	907
454899	11/4	Phila Airc Fac	H.Rds	radio trans sets	918
454900	11/4	Washington	H.Rds	radio rec sets etc	918
454901	11/4	Phila	H/Rds	radio trans etc.	918
454913	11/4	Wash	H.Rds	radio receiver etc.	918
455353	11/3	Phila Airc Fac	H. Rds	radio trans.	918
455356	11/3	Wash	H.Rds	radio rec etc	918
455359	11/3	Airc Phila	H.Rds	radio transetc.	918
455360	11/3	Washington	H/Rds	radio receiver	918
455358	11/3	Wash	H.Rds	radio receivers	918
454996	11/6	Wash	Phila	radio amplifier	919
455624	11-5	Brook	Pug. Sd.	radio compasses	488-6
455616	11/4	Boston	Bridgeport	antenna wire	907
454996	11-6	Wash	Hampt Rds	24 vacuum tubes.	736 -34
455621	11/7	Tuckerton	Bur Stds	tone wheel	920-9
446815	11/6	N.London	NY	radio appr for Tenafly	771-2
451897	11/8	Wash	Phila	radio rec set	771-2
455317	11/8	Wash	Signal Corps	radio receivers	727-1
455317	11/8	Wash	West Lynn Mass	radio receiver	727-1
456193	11/10	Wash	GL	radio matrl	771-2
456194	11/10	Wash	Norf	radio matrl	771-2

Number.	Date.	From or To—	Subject.	
449978	10/24	Wash	CO Radio apparatus	699-771
453292	10/25	Wash	Carlestrom Field radio appr.	707-9
452363	10/24	FSB	N.Y. radi appr.	771-2
452700	10/25	Ph	N.O. ammeters	771-2
453851	10/25	Wash	P.H. radio appr.	830
453208	10/24	Ph	Pt Isabel radio appr.	853
453865	10/25	Ph	MI condesner rack switch	876
403971	10/24	FSB	Wash Canc Shipt Ord 3/21	898
444982	10/24	N.O.	MI Canc Shipt ord 9/12	898
453207	10/24	Wash	CO NC-4 vacuum tubes	918
453852	10/25	Akron	Ph Airc Fac radio appt.	918
453210	10-24	F.S.B.	CO Spark gap units.	563-6
453211	10-24	F.S.B.	CO Spark gap units.	562-6
453212	10-24	F.S.B. Br	CO Spark gap units.	554-6
449978	10/27	Phila	CO Radio apparatus	699-771
455033	10;27	Washington	Phila Battery charging panels	898
455034	10;27	Washington	Pg Sd Battery charging panels.	898
452109	10;27	Washington	Naval Observatory vacuum tubes	898
453860	10-27	Boston	S.O. Ny submarine antenna coils.	106-0-6
453209	10-27	So. Brook	CO spark gap units.	529-6
454494	10-28	Norf	M Is motor field rheostat.	554-6
453862	10-27	F.S.B.	CO spark gap units.	130-6

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RADIO SHIPMENT REQUESTS: 1919

Number.	Date.	From or To—	Subject.	
				259-Q-6
454493	10-28	Boston	CO radio storage batteries.	
453859	10-27	Wash	Phila audion battery chargin panels v	138-Q-6
455049	10-28	Boston	M Is special lopp antenna wire	123-O-6
453941	10/28	GL	Brimingham radio telegraph	707-11
421153	10-29	Washington	Ny radio relay key	131-6
452070	10/29	Boston	Pitts condensers	771-2
453464	10/29	NY	Phila Airc Facty portable radio mast	897
437221	10/29	Sandy Hook	Ph Canc Ship order of 8/28	919-1
454577	10/30	Fleet Base	Constantinople radio appr/	787-1
454508	10/30	Phila	Wash wavememter	893-4
454505	10/30	Airc Phila	H.Rds radio appr	918
454506	10/30	Wash	H Rds radio appr	918
454507	10/30	Airc Ph	Phila Yd airc radio trans set	918
454509	10/30	Wash	Phila Yd airc radio rec set	9-18
455035	10-27	Airc Facty	Cape May vacuum tubes	736-32
445104	10-29	Phila	Boston radio compasses.	205-6
430653	9-30	Brook	M Is emergency transmitting sets	174-Q-6
438655	11-1	Brook	Norf quenched spark gap units radio	582-6

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RADIO SHIPMENT REQUESTS: 1919

Number.	Date.	From or To—	Subject.	
450988	10-14	M Is	CO medium wave receiver	386-6
450982	10-13	M Is	CO medium wave receivers	214-6
449661	10-10	Airc Fac	Pensacola Transmitting sets	736-38
449662	10-10	Wash	Pensacola Receiver, vac tubes, etc	736-38
448927	10-10	USS SHAWMUT	Airc Facty transmitters, panels, "	736-8
451449	10/15	Fleet Base	Boston radio storg batteries	882-1
450989	10/14	Wash	Fleet Base amplifiers	898
448643	10-15	Brook	Squantum phones and bat charging panels	251-Q-6
450996	10-16	Chasn	M Is sound proof booths	592-6
451888	10-16	Boston	Mare Island Loop antenna wire	545 -6
451883	10-16	Boston	Norf loop antenna wire.	514-6
451889	10-16	Boston	Chasn loop antenna wire	421-6
451891	10-16	Boston	Ports loop antenna wire.	123-0-6
451890	10-16	Boston	Ports Loop Antenna Wire.	109-0-6
428990	10/16	Wash	NL canc SO of 7/1	861
450991	10/15	Washington	Indian Head Md radio apparatus	865
450993	10/16	Wash	SE rotory tone condenser	882-1
420517	10/15	Wash	Orkney Is canc of SO of 5/24/19	902
364218	10/16	Wash	Bu Stds canc of SO of 11/1/18	916
450994	10/16	Wash	Anacostia radio appr	918
450992	10-16	Wash	Inspr Lake medium wave receivers.	100-0-6
450167	10-15	N L Exp Sta	Airc Facty Anti-noise & wireless trans.	736-48
451388	10-17	Akron	Chatham Radio outfit & propellers	736-33

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N.S.E. Form 134.

Number	Date		From or To—	Subject		
451885	10-22		Boston	Phila	loop Antenna wire	590-6
452456	10;20		N Y	Washington	One bakelite	898
451894	10;17		Phila	Norf	insulators	911
451897	10/20		Washing	Ph	trans set	771-2
452609	10/20		MI	Puget Sd	storage batteries	771-2
450663	10-20		Bostom	Squantum	insulators.	251-Q-6
451898	10-18		So.Brook	Mare Island	receiwing booths	592-6
451900	10-20		Chasn	Norf	sound proof booths	522-6
451900			Brook	Norf	sound proof booths.	522-6
451902	10-20		Boston	NNs	insulators	496
452455	10-20		Phila	NNs	antenna connectors.	496
450895	10/20		Boston	Puget Sd	insulators	771-2
434074	10-22		Wash	Norf	miscellaneous transmitter equip	522-6
452469	10-22		Wash	Boston	" " "	321-6
434073	10-22		Wash	Phila	" " "	133-6
434065	10-22	PENN	Wash	Ny	" " "	130-6
434065	10-22	ARIZONA	Wash	Ny	" " "	130-6
452473	10-22		Boston	Lake	special loop antenna wire	98-0-6
264944	10-23		Norf	M Is	transmitting sets.	521-6
453195	10-23		Wash	Bath	receivers vacuum detectors etc.	347-Q-6
451867	10-23		Boston	Elec Bt Co	special loop antenna wire.	88-0-6
453504	10/24		NY	Great Lakes	stor batteries Ship Bd	771-2
424578	10/24		Buffalo	MI	machine tools	798-4
439368	10/24		Quincy	MI	machine tools	798-4

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Number.	Date.	From or To—		Subject.	
422184	10/2	PROMETHEUS	Washington	CO long wave receiver	364-6
448040	10/2	LEONIDAS	Washington	CO Medium wave receiver	264-6
448676	10-3		Brook	Pug Sd. receiving booths	488-6
434412	10-3		Wash	CO medium wave receiver	478-6
448673	10-3		Chasn	Pug Sdsound proof receiving booths	121-6
447726	10-1		Boston	Ports French Antenna coils	109-0-6
313237	10/4	N Lond		NY Radio apparatus	702-771
448672	10/3		Phila	College Park radio trans set	898
448674	10/3		Phila	College Park two vacuum tubes	898
448997	10/4		Fleet Base	Key West armature	817
448404	10/4		Akron	NY radio transformer	854
448643	10-6		Brook	FR batteries and panels	251-Q-6
448643	10-6		Beth	Ny batteries and panels	251-Q-6
448523	/10-6		Beth	Boston spark transmitting sets	251-Q-6
443157	10/7		Fleet Base	Phila Ship Bd vessels Hog Is radio batt	882-1
446860	10/7		NY	Puget Sd battery for radio "A" set	882-1
449360	10-7		Boston	M Is transmitting sets.	330-Q-6
449646	10-8		Wash	CO vacuum tube detector	599-6
449647	10-8		M Is	CO receiver,vacuum tube detector etc	142-6
449647	10-8		S.Brook	Mare Island spark gap	142-6
449469	10/7		Washington	Langley Field radio appr	727-1
448469	10/7		Charleston	Langley Field radio appr	727-1
448469	10/6		Air Facty Ph	Langley Fld radio appr	727-1

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
449645	10/8	Fleet Base	New Orleans storage batteries (12)	771-2
449012	10/8	Bostn	Tr Sta San Frisco cable	842
442186	10-9	Grt Lks	Ford transmitting sets.	2-Z-6
449360	10-8	Wash	M Is. receivers,detectors	330-Q-6
433610	10-9	NY	Inspr Lake 4 Forbes Logs.	119-0-4
449659	10/9	New London	NY radio apnr for expr work	876
448968	10/10	Norf	Annap radio appr	707-1
450613	10-10	Phila	CO Rotary spark gap	572-6
448374	10-10	Wash	Squantum radio storage batteries.	251-Q-6
449664	10;10	Phila	Washington 25 vacuum tubes	898
450611	10;10	Washington	M. I. 10 bat charging panels	898
449007	10;8	New York	Phila tools, batteries etc.	898
449663	10;10	Anacostia	Washington 10 vacuum tubes	898
449013	10;8	Washington	Phila 100 radio batteries	882-1
448968	10/10	Washington	Annapolis motor generator	707-1
449576	10/11	FSB	Constantinople Turkey radio appr	787-3
450621	10/11	Boston	Cleveland radio appr.	793-5
48048	10/11	Wash	New York pressure pumps	629
450981	10-13	Boston	Mare Island emergency transmitting sets.	332-Q-6
450663	10-13	Boston	Squantum electrose insulators	251-Q-6
446253	10;10	Annpolis	Brook 2 dist cont boxes	820

RADIO SHIPMENT REQUEST

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
446807	9/23	Fleet Base	Charleston radio apparatus	882-3
446808	9/23	Fleet Base	New Orleans radio apparatus	882-3
446810	9/23	Fleet Base	Mare Island radio apparatus	882-3
446812	9/23	Fleet Base	Puget Sound radio apparatus	882-3
446399	9/23	Washington	Ft Wayne Ind 12 radio vac tubes	898
445818	9/23	Anacostia	Washington 24 radio vac tubes	898
444270	9-23	Lake	NY vacuum tube detectors and receivers.	497
445917	9-19	Phila	CO radio arc transmitting set	323-6
446394	9-22	Wash	Pug Sd receivers.	121-6
444163	9-23	Ford	M Is vacuum tube detector	2-Z-6
446860	9/23	NY	MI storg batteries	882-1
440225	9/22	NY Brook	Bu Std Amend SO of 8/20	898
439820	9-25	Fleet Supply Base	Airc Facty Radio matrl at Montauk	736-37
446821	9-23	Aircraft Factory	Anacostia 24 vacuum tubes	736-43
446044	9-22	Wash	Ford radio head telephones	2-Z-6
446044	9-22	Brook	Ford head telephone transmitters.	2-Z-6
44 3742	9/25	Wash	Milwaukee radio storage battery	793-5
446873	9/27	South B	Key West motor blower	817
413576	9/27	Wash	Cavite batteries	898
447160	9-27	Wash	M Is portable field sets.	425-6
445919	9-27	Phila	CO sound proof booths.	323-6
447728	9-27	Phila	Boston sound proof booths.	205-6
446822	9-27	Brook	Wash transmitting sets	35-X-6

RADIO SHIPMENT REQUESTS: 1919

Number.	Date.	From or To—	Subject.	
446679	9-27	Wash	TWIGG receivers	127-Q-6
444868	9/29	Cape May	Anacostia radio apparatus	916
448026	9/29	Phila	Washington radio condenser	918
447738	9-29	Phila	Cramp- Tel -batteries,charging panels	1650-K-6
448025	9-29	Wash	Chasn miscellaneous apparatus.	21-G-6
448023	9-29	Norf	NNs batteries-chargingmpanels telephones	1654-K-6
447734	9-29	Brook	Boston Trasnmitting sets.	321-6
447725	9-27	Wash	Ny Battery box	577-6
420511	9/30	Anacostia	Wash Bu Std canc of SO of 5/23/19	918
448030	9-30	NNs	M Is arc radio sets.	592-6
448031	9-30	Wash	M Is transmitting sets.	592-6
448028	9-30	Brook	Pug Sd. transmitting sets.	132-6
364932	10/1	Wash	Santo Domingo Amend of SO of 7/26	897
448037	10/1	Wash	Anacostia aire radio recivers etc	918
448035	10-1	Wash	San Fran medium wave receivers.	123-0-6
448660	10/2	Quincy	N L radio apparatus for S-3	861
413764	10/2	MI	CO HELENA radio apparatus	898
448042	10/2	Wash	MI radio aparatus	898
448357	10/2	Wash	Fleet Base radio appr	172-6
443691	10/2	Wash Chasn	NY sound proof booths	573-6

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RADIO SHIPMENT REQUEST

N.S.E. Form 134.

Number.	Date.	From or To—		Subject.		
445902	9/18	(Canc 9/19)	Boston	Tampa	two steel masts	793-5
445634	9/16		Washington	Guam	two radio field sets	813
445653	9/18		Washington	Amapolis	radio apparatus	820
445637	9/16		Washington	Great Lakes	radio batteries	854
445636	9/16		Washington	NY	radio reciver & detec	898
445644	9/16		Ports	Great Lakes	radio trans sets	898
445645	9/16		Norfolk	Great Lakes	radio trans sets	898
441412	9/16		Brooklyn	Phila amend of SO of 8/25		918
443718	9/16		Phila	Cramps Ph	radio compass houses	919
443718	9/16		Phila	Norfolk	radio comp houses	919
443718	9/16		Phila	MI	radio comp houses	919
443718	9/16		Phila	NYS Camden	radio compass houses	919
443718	9/16		Phila	NN	radio comp houses	919
443718	9/16		Phila	Bath	radio comp houses	919
SE 1730/19	9/19		Glouch	Rockaway Beach	Mosle mica spark plgs	DA
NSA 337	9/18		NY	Boston	engine patterns	
445647	9-18		Brook	Mare Island quenched spark gaps.	C-1-C-10 Yb	497
443691	916		Chasn	NY receiving booths.		573-6
445179	9-16		Phila	NY radio material miscellaneous		529-6
445907	9-18		Brook	Phila receiving booths.		323-6
445635	9-16		Phila	Boston short wave transmitting sets.		205-6
444444	9-16		Brook	CO quenched spark gap units.		157-6
443918	9-18		Ports	Wash radio rotory converter		96-Q-6
445229	9-18		wash	nns miscellaneous radio material		1655-K-6

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RADIO SHIPMENT

Number.	Date.	From or To—		Subject.		
404195	9/18	TALLAPOOSA	Fleet Base	Boston	Canc of SO of 3/28	704
445912	9/19		Ports	Tampa Fla	radio masts	793-5
446392	9/20		Wash	New Orleans	coil	821
446383	9/20		Wash	Radio Divn Wash	rec loading inductance	898
446382	9/20		Wash	Bu Stds	wavemeter decremeter	916
390065	9/20		Wash	Schenectady	Canc SO of 1/31	918
446385	9/20		Norf	Puget Sound	gas engine bat charg units	919-1
443953	9-20		Brook	Bath	insulators	345-Q-6
444726	9-20		Brook	Norf	transmitting set.	582-6
445920	9-20		Wash	Boston	medium wave receiver.	465-6
445918	9-20		Phila	CO	transmitting set.	323-6
444599	9-20		NY	Boston	void	
446606	9/22		NY	MI	radiostorg batteries	882-1
446222	9/23		Fleet Base	Minneapolis	Western Elec telephone	727-1
446400	9/23		Phila	San Diego	insulators	830
335148	9/23		Wash	N London	Canc of SO of 8/10	876
446859	9/23		Norf	GL	batteries	882-1
446804	9/23		Fleet Base	Boston	radio apparatus	882-3
446805	9/23		Fleet Base	Phila	radio apparatus	882-3
446806	9/23		Fleet Base	Norf	radio apparatus	882-3

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RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.	
437934	9/11	Puget Sound Mare Island	radio transmitting sets	771-2
444972	9/11	Fleet Base Puget Sound	radio transmitting sets	771-2
444974	9/11	Fleet Base Mare Island	radio trans sets	771-2
444976	9/11	Fleet Base Mare Island	radio trans sets	771-2
440552	9/10	Fleet Base Wash	gen sets	916
444287	9/11	Wash New London	radio receiver	861
444977	9/12	New Or Puget S	radio trans sets	898
444978	9/12	Chas MI	radio apparatus	898
444983	9/12	NO Wash	radio recievers	898
444982	9/12	NO MI	radio receivers	898
440552	9/10	South B Bu Stds	radio apparatus	916
444984	9/12	Phila Wash	aircraft -radio phone sets	
444980	9-12	Boston Phila	sub loop antenna cable.	497
423867	9-11	Boston Phila	transmitting set	1650-K-6
444272	9-10	Brook Squantum	radio telephones.	251-Q-6
444286	9-11	Wash Phila	receivers-detectors-amplifiers.	1653-K-6
421339	9-12	Chasn NL	quenched spark gap.	107-O-6
444646	9-13	Phila NNs	transmitting set	1654-K-6
444646	9-13	Boston NNs	transmitting sets.	1654-K-6
445804	9/18	FSB Minneapolis	radio phone amplifier	727-1

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—	Subject.	
445230	9/13	Bar Harbor	Cavite one tone trap	805
445231	9/13	Bar Harbor	Guam one tone trap	813
445237	9/13	Bar Harbor	Mare Island 2 tone traps	818
422769	9/15	Wash	New Orleans radio apparatus	821
422770	9/15	Wash	New Orleans radio batteries	821
445232	9/13	Bar Harbor	San Diego one tone trap	830
445234	9/13	Bar Harbor	Wash one tone trap	841
445233	9/13	Bar Harbor	Coco Solo one tone trap	851
445236	9/13	Bar Harbor	Pearl Harbor two tone traps	852
445241	9/15	Norfolk	N.Y. radio amp from KONINGIN DER NEDERLANDEN	876
445245	9/15	Fleet Base	Akron radio transformer	918
445235	9/13	Bar Harbor	Cayey one tone trap	920-4
388911	9/15	Wash	Aircraft Facty Transmitters & dynamotors	736-43
444163	9-13	Wash	Inspr Ford medium wave receiver.	2-Z-6
444991	9/13	Wash	Mare Island radio receivers	771-2
445228	9/13	Wash	Puget Sound radio receivers	771-2

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1919

Number.	Date.	From or To—	Subject.	
438662	8/29	Washington	CO NEW MEXICO four booth protecting relays	554-6
442176	8/29	Washington	Darien via Fleet Base carbon cathodes	851
439172	8/30	Norfolk	Wash radio transformer	904
441899	8/27	Phila	Akron 2 radio storg batteries	918
431380	8/27	Norf	Appledore Is Canc of shipt order 7/11	919 -1
422184	8/30	Washington	CO 2 radio storage batteries	364-6
405680	9/2	Phila	Coco Solo radio apparatus	918
422183	8/30	Wash	Phila 150 Magnavox radio airc trans	918
442181	8/30	Norf	Wash Delco gas unit	902
434718	8/30	Fleet Base	Wash canc of SO of 7/24	902
404195	9/4	Fleet Base	Boston for TALLAPOOSA Canc of Shipt Ord	704
422773	9/4	Washington	Pearl Harbor radio apparatus	852
439336	8/28	Wash	Elizabeth NJ vacuum tubes for American Gas Acc Co	902
442772	9/4	Wash	DOWNES radio apparatus	445-6
442430	9/4	Wash	NY charging panel	582-6
422774	9/4	Norf	Bar Harbor gas engine charg unit	919-1
443204	9/4	NY	Newport for Coasters Is searchlight	919-1
422765	9/4	Wash	Detroit receiver	898
422766	9-2	Brook	Rockaway transmitting set for NC-4	736-19

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
442886	9/5	Washington	Great Lakes radio apparatus	707-11
442888	9/5	Washington	Great Lakes 36 carbon electrodes	707-11
443682	9/5	Boston	New Orleans cable	821
422777	9/5	Phila	Annapolis radio arc converter	920-1
442959	9-6	Wash	M Is medium wave receiver,	511-6
443033	9-5	Wash	CO long wave wave meter.	316-6
441417	9/8	Wash	Bu Standards Canc of SO 8/25-	916
442071	9/8	Wash	Chasn Radio apparatus	479-771
443684	9/8	Wash	Great Lakes radio receiver	898
441137	9-9	Boston	Squantum auxiliariy transmitters.	251-Q-6
443700	9-8	Norf	CO transformers.	79-Q-6
422775	9-9	Airc Facty	Coco Solo Milliammeter and insulators	736-41
443680	9-9	Wash	Rockaway radio vacuum tubes	736-19
444278	9/10	New Orleans	Great Lakes radio apparatus	771-2
444279	9/10	Charleston	Great Lakes "	771-2
444281	9/10	Washington	Great Lakes "	771-2
422771	9/10	Washington	Akron radio apparatus	918
443688	9-9	Wash	CO Grid leak resistances.	554-6
435631	9/10	Wash	Annapolis radio apparatus	707-1
439334	9/11	Chas	Port au Prince radio trans sets	761

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Number.	Date.	From or To—	Subject.	
439727	8/16	Wash	Guantanamo Bay 2 radio stor batteries	814
439732	8/16	Wash	Norfolk one radio aud meter	824
439731	8/16	Wash	Ph one radio aud meter	828
437218	8/13	Chic	Mare Is 75% spare parts boxes	902
435645	8/18	Wash	Ph radio reciever	898
439737	8-18	Wash	Norf receiveres.	522-6
439730	8-16	Boston	M Is transmitting set.	298-Q-6
439897	8-19	Boston	Vladivostok 4-conductor sub cable.	920-13
439 738	8-21	Wash	Boston receivers.	455-6
413229	8-21	Wash	Norf amplifiers and storage batteries	581-6
440559	8-21	Wash	Boston receivers.	205-6
439602	8-18	Phila	NY insulators.	130-6
440219	8/19	Boston	Norf mica radio trans condensers	704
440550	8/20	Boston	Guantanamo 2000 ft cable	814
439258	8/19	Wash	Cavite one radio amplifier	806
440218	8/19	Wash	Norf one radio amplifer	824
420323	8/19	South Brook	Orkney Island ammeters	902
420323	8/19	N.L.	Orkeny Is Canc of SO of 5/23	902
440555	8/20	Wash	Chasn Canc of Shipment order of 5/29/17	876
312115	8/20	Wash	AROOSTOOK radio amplifier	898
440225	8/20	Brook	Bu Std vacuum tubes	898
418960	8/21	Wash	Wash Canc of SO of 5/21/19	916
360644	8/20	Wash	Ph Amend of SO of 22/4/19	918

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RADIO SHIPMENT REQUEST.

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.		
422691	8/19	Ph	Ph Rad Lab	vacuum tubes	918
329263	8/21	Wash	Wash	Canc of SO of 7/24	920
440819	8-23	Airc Facty	Rockaway	Transmitting set, storage batteires, compass wire	736-19
440820	8-23	Anacostia	Rockaway	5-Sta Interphone set w transm	736-19
440822	8-23	Phila	Rockaway	Enameled copper wire	736-19
440825	8-25	Flt Sup Base	Rockaway	Electrose insulators	736-19
441411	8-25	Wash Yd	Rockaway	Radio vacuum tubes	736-19
440226	8/21	Fleet Base	NY City	radio appr	898
441420	8/26	Wash	SAMPSON	Radio apparatus	567-6
440213	8-26	Wash Yd	Gen'l Engr Lab	Vacuum tubes	898
441412	8-25	Inspr Brook.	Airc Facty	Radio Apparatus	918
439832	8-26	Wash	Puerto Plata	Radio apparatus	761
441137	8/28	Wash	Squantum	radio apparatus	251-Q-6
442166	8/28	South Brook	Boston	radio apparatus	205-6
441426	8/27	South Brook	Boston	radio apparatus	205-6
431967	8/28	Norf	Boston	radio apparatus	205-6
438228	8/26	FSB	Norfolk	radio apparatus for OKLA	52-6
440818	8/23	Wash	ISABEL	radio receiving set for	599-6
442168	8/28	Fleet Base	Phila	radio receiving booths	133-6
434061	8-28	Inspr Brook	Hamp Rds	Radio batteries	736-34
441850	8/29	Wash	Mare Island	radio receiver	108-6
419303	8/30	Supply	Phila	radio apparatus	422-6

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[OVER.]

RADIO SHIPMENT REQUEST 1919 126

Number.	Date.	From or To—	Subject.	
437929	8/9	Annapolis	Belmar N.J. One Wheststone auto telg transmitter	920-3
437614	8/9	Fleet Base	Newark N.J. Two Weston voltmeters	898
438521	8;9	New York	New Orleans 5 radio stor bat	771-2
437355	8/11	Boston	New Orleans radio relay key	821
428744	8/9	NY	Phila Canc SO of 7/15	918
392736	8/9	Washington	PHila switches controls	919
437067	8-9	New London	Wash wavemeters.	498-6
431834	8-9	Boston	Ports receiver	451-6
437065	8-12	Wash	Boston receiver and amplifier.	313-6
438681	8-11	Norf	Phila transformers.	20-X-6
438683	8-11	Wash	M Is apparatus listed.	314-Q-6
438684	8-11	Boston	M Is transmitting sets.	314-Q-6
437298	8-11	F S B	FR 30 insulators.	251-Q-6
437046	8-9	Amplifier	Wash to CO	103-Q-6
436940	8/9	Wash	Great Lakes	707-11
421330	8/9	South B	Rock Beach Canc of SO 5/28	736-39
421338	8/9	South B	Anacostia Canc of SO 5/28	736-43
426271	8/11	Montuak Pt	Dirig C-5 radio material	736-37
397072	8/13	Phila	Wash Amend of SO of 3/28/19	707-8
438698	8/13	Wash	MI radio receiver	898

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
439222	8/13	Bu Std	Wash radio receiver	898
439223	8/13	Wash	Bu Std radio rechifer	898
438700	8/13	Chicago	Cavite radio telephones	902
439218	8/13	Chicago	PH radio telephones	902
439219	8/13	Chicago	Guam radio telephones	902
439224	8/13	Chicago	Ports radio telephones	902
439225	8/13	Chicago	Boston radio telephones	902
439226	8/13	Chicago	Phila radio telephones	902
439227	8/13	Chicago	Norfolk radio telephones	902
439228	8/13	Chicago	Charlexston radio telephones	902
436572	8-13	Boston	Quincy transmitting set	252-Q-6
439221	8/13	Chicago	Fleet Base 25% of spare part boxes	902
439230	8/14	Chicago	Great Lakes 10 radio phones	902
439232	8/14	Chicago	Fleet Base 128 phones	902
439233	8/14	Chicago	Puget S 75 phones	902
439234	8/14	Chicago	Mare Is 168 phones	902
430127	8/14	Wash	Norfolk radio receiver	704
439725	8/15	Norf	NO Stahl Comm rectifier	821
439441	8/15	NY	Yds storbatteries	902
439725	7-15	Norf	Port Arthur Stahl commutator rectifier	793-5
437935	7-11	Fleet Supply Base	Boston 2-KW transmitting sets	771-1
437934	7-11	Fleet Supply base	PUG SD 2-KW transmitting sets	77-12

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RADIO SHIPMENT REQUEST

1919

Number.	Date.	From or To—	Subject.	
398584	8/2	Phila	Insp Phila Canc of SO of 3/11/19	918
435 029	8/2	Phila	Boston radio coils and houses	919
432992	8-2	Wash	NNs radio apparatus listed.	186-Q-6
436002	8-5	Wash	CO amplifier etc.	439-6
436585	8-5	Wash	CO medium wave receiver	425-6
435652	8-5	Wash	Ports short wave wave meter.	408-6
435652	8-4	Boston	Ports transmitting sets.	408-6
436580	8-4	Wash	NY vacuum tube detectors, amplifiers etc	1-S-6
432992	8-4	So.Brook	Nns radio phones, batteries etc.	186-Q-6
413764	8/4	Wash	KEARSAGE Canc of SO of 6/5/19	898
436579	8/4	Wash	Mare Island radio arc transmitting set	898
398584	8/2	Phila	Airc Facty Ph radio apparatus for gen store	918
437202	8/5	Wash	Lorient France radio apparatus amend of So of 2/18/18 W	920
437203	8/5	Wash	Rochefort France Amend of SO of 2/20/18	920
437204	8/5	Wash	St Navaire France amend of S O of 2/20/18	920
4372 07	8/5	Wash	Brest France amend of SO of 2/25/18	920
436077	8/5	Wash	Coco Solo 120 vacu tubes and batt	736-41
426591	8/2	AROOSTOOK	Phila radio apparatus used in TA flight	736-19
428491	6-27	Wash	CO amplifier	381-6
424499	8/6	Phila	Fords Island six radio airc trans	727-1
377381	8/5	Wash	Great Lakes Canc of SO 12/18/18	918
437201	8/5	Brook	Wash Van Dyches	918
435029	8/5	Wash	Boston radio comp recein equip	919

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.		
437219	8/6	Phila	Mentoloking	Weston Votmeter	919-1
437221	8/6	Phila	Sandy Hook	Weston voltmentr	919-1
437593	8/6	Phila	Cape May	Voltmeter	919-1
435140	8/5	Phila	San Diego	radio apparatus	736-40
428743	8/4	H Rds	Anacostia	Amend of SO 7/1	736-43
433947	8/7	NY	Cape May	radio telephone batt	704-1
437597	8/6	Ph	Norf	weston voltmeter	919-1
437598	8/6	Ph	Cape Henelopen	voltmeter	919-1
437599	8/6	Ph	Chas	voltmeter	919-1
437922	8/8	Phila	Newport Brentons Neck	voltmeter	919-1
437923	8/8	Phila	Boston Appledore	voltmeter	919-1
436583	8/7	Anacostia	Schenectady	three airc radio trans sets	918
437602	8/7	Phila	Chaisn	voltmeter	919-1
437606	8/7	Phila	Glouch	voltmeter	919-1
437607	8/7	Phila	Boston	voltmeter	919-1
437608	8/7	Ph	Boston	voltmeter	919-1
437609	8/7	Ph	Rockaway Beach	voltmeter	919-1
437610	8/7	Ph	BayShore NY	voltmeter	919-1
437611	8/7	Ph	Montauk Pt	voltmeter	919-1
437924	8/8	Ph	Boston	voltmeter	919-1

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[OVER.]

1919

Number.	Date.	From or To—	Subject.	
431828	7-26	Wash	CO medium wave receivers.	567-6
364932	7/26	Wash	Santo Domingo radio material listed	897
435143	7/26	Wash	SE Radio radio receiver audion con box	898
434988	7/28	Wash	Otter Cliffs amplifier	920-2
433414	7/24	CO	Naval Aircraft Factory Radio apparatus	699-771
435647	7-29	Phila	Ports booths, compass coils etc.	408-6
435648	7-29	Wash	Ports transmitting sets, compass sets etc.	408-6
435650	7-29	Brook	Ports storage batteries booths phones etc.	408-6
435654	7/30	Wash	Ford Is twelve radio batteries	727-1
435655	7/30	Wash	France Field Cristobal twelve radio batt	727-1
435656	7/30	Wash	War Dept radio receivers	727-1
435661	7/30	Fleet Supply Base	Wash spark gap	898
433875	7-24	Airc Facty	Chatham radio generators	736-33
435148	7-28	Airc Facty	Hamp Rds transmitting sets	736-34
435660	7-30	Wash	CO audion control box.	568-6
435659	7-30	Wash	CP receiver and audion control box.	540-6
417654	7-30	Squantum	Boston. radio arc transmitting sets.	269-Q-6
436207	7/31	Wash	Guantanamo radio receiver	814
420320	7/31	Wash	Great Lakes canc of SO of 5/23/19	854
436081	7/31	Phila	New London three vacuum tubes	861
434724	7/31	Wash	Norfolk radio receiver	898
434726	7/31	Wash	Ph radio receiver and amplifers	898
435658	7/30	Wash	Bu Std airc amplifer	918

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RADIO SHIPMENT REQUESTS.

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
435657	7-30	Hamp Rds	Anacostia Radio apparatus	736-43
435149	7-28	Airc Facty	San Diego Radio transmitting sets	736-40
436075	7-31	Wash NY	NY receivers.	529-6
436074	7-31	Wash	NY receivers.	130-6
436083	7-31	Wash	NY receivers.	550-6
436082	7-31	Wash	CO medium wave receiver.	548-6
435287	7-31	Phila	CO Telegraph key sounders.	477-6
436084	7-31	M Is	CO audion control box.	391-6
436206	7-31	Wash	Phila control box and amplifier.	467-SP
436067	7/30/30	Miami	Phila airc radio material	736-36
426186	7/31	FSB	Annnaolis six spiral coils	707-1
4362 09	7/31	Phila	Guantanamo Bay radio trans set	814
436212	8/1	Wash	K W radio receiver and amplifier	817
435150	7/31	Melville	Boston radio telephone	822
436213	8/1	Wash	Great Lakes radio reciver	854
408630	7/31	Wash	Boston vacuum tubes	918
436214	8/1	Anacostia :Pitts	two Magnavox trans	918
436078	7/31	Phila	MHamp Roads airc radio trans sets	736-34
436 072	7/31	Montauk Pt	Phila airc radio material	736-37
436215	8/1	Washinton	Anacostia two Magnavox transmitters	736-43
436070	7/31	Morehead City	Phila radio airc material	736-47
436 068	7/31	Brunswick GA	Phila airc radio material	736-49
434126	8-2	Wash	CO resistance units.	554-21

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[OVER.]

1919

Number.	Date.	From or To—	Subject.	
432746	7-18	Wash	Norf short wave receiver.	581-6
423383	7-19	Boston	CO Morse radio tel keys (20)	562-6
433156	7-18	NY	NNs Marconi transmitting set.	4-BB-6
427384	7/19	New York	Cape May storage battery	704-1
428195	7/19	Wash	Annapolis Canc of SO of 7/14	920-1
433720	7/19	Wash	Annapolis and control box	920-1
433722	7/21	Wash	Brooklyn Kleinschmidt perfor machines	909
433718	7/19	Brook	Wash instructions books	918
433714	7-19	Wash	Balboa Wavemeters	793 - 8
433155	7-18	Wash	Paris Isl receiving sets & vac tubes	761
433167	7-19	Inspr GE	Paris Isl Transmitters	761
433712	7-19	Inspr GE	Quantico Transmitters	761
431726	7-16	Airc Facty	Radio Lab Airc Facty- App for exp work	736-8
433414	7/21	CO SHAWMUT	GE Co Radio telegraph	699-771
432793	7/19	Bost	NY Radio apparatus	361-771
433165	7/19	Schenectady	Phila nine radio airc transmitters	918
433729	7/21	Anacostia	Wash three Magnavox radio trans sets	918
434066	7/23	Wash	Phila radio motor buzzer sets	898
408674	7/21	Norfolk	Wash radio transformer	904
434065	7-22	Wash	Ny motor buzzer set and transmitter	130-6

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N.S.E. Form 134.

RADIO SHIPMENT REQUESTS 1919

Number.	Date.	From or To—	Subject.	
434063	7-22	Wash	Boston radio motor buzzer sets	205-6
434057	7-21	Aircraft Factory	Anacostia Radio generators	736-43
434062	7-22	Brooklyn	Anacostia Radio batteries & mountings	736-43
434403	7-23	Wash Yd	Anacostia Radio amplifier	736-43
434061	7-22	N Y	Hamp Rds Radio batteries & mountings	736-34
434060	7-22	Anacostia	Hamp Rds Storage battery charg units	736-34
434401	7/23	Anacostia	New Orelans radio amplifer	821
434400	7/23	Schencetady	N London radio transmitting	861
431389	7/24	Brunswick	Chasn trans set	898
434396	7/23	Wash	MI motor buzzer sets	898
434396	7/23	South B	MI gen bat charg units	898
436413	7-24	Wash	CO medium wave receiver.	533-6
434074	7-22	Wash	Norf motor buzzer sets	522-6
434394	7-23	Wash	Pug Sd motor buzzer sets	488-6
434412	7-24	Wash	CO audion control box,receivers	478-6
434073	7-22	Wash	Phila motor buzzer sets.	133-6
434717	7-24	Wash	Phila medium wave receivers.	51-S-6
434718	7/24	FSB	Washn apparatus	902
434727	7/26	Wash	San Domingo City radio apparatus	865
434728	7/25	Norfolk	Wash radio relay key	898
289285	7/25	Wash	Pensa Amend of SO of 3/15	918

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RADIO SHIPMENT REQUEST. 1919 122

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.		
431331	7-10	Miami	San Diego	transmitters	736-40
431341	7-10	Airc Facty	San Diego	storage batteries	736-40
431340	7-10	Airc Facty	Hamp Rds	storage batteries	736-34
431106	7-10	Airc Facty	Pensacola	dynamotors	736-38
431336	7-10	Miami	Hamp Rds	transmitters	736-34
431390	7-11	Fleet Supply Base	New York	Radio app for R-34.	736-19
302494	7/12	Wash	NY Flagship	Canc SO 5/10/18	787-1
432006	7-14	Wash	Pug Sd	receivers and transmitters etc	1-F-6
431701	7-14	Wash	CO	audion control box.	320-6
431846	7-15	Norf	NY	radio motor generators.	167-6
358995	7/14	Wash	New Orleans	Amend SO of 10/17/18	771-2
432254	7/15	Wash	Great Lakes	radio reciever etc	793-5
432638	7/15	Washington	Inglewood Cal.	radio material	793-5
431992	7/12	Wash	Canal Zone	radio material	727-1
431995	7/15	Phila	Canal Zone	radio appr	727-1
431997	7/15	Phila	Canal Zone	radio antennas	727-1
431999	7/14	Schenectady	Hawaii	radio qrtransmitters	727-1
432000	7/14	Wash	Hawaii	radio receivers	727-1
432001	7/14	Phila	Hawaii	radio trans 6	727-1
432003	7/14	PhPla	Hawaii	radio aparatus	727 - 1
411765	7/14	Wash	MI	radio appratus	7 07-11
432251	7/14	Wash	Pearl Harbor	condensers	852

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[OVER.]

RADIO SHIPT REQ

Number.	Date.	From or To—	Subject.	
307428	7/14	Wash	N O Amendment of S.O. 5/18/18	898
359379	7/14	Wash	Chas Canc 3010/18/18	898
413753	7/14	South Brook	Cape Fear radio apparatus	898
379433	7/11	Schenectady	Wash Cana S.O. 12/23/18	918
403046	7/12	Schenectady	Signal Corp Cana SO 3/17	918
428744	7/15	NY City	Ph six cases spare part for m	gen 918
429001	7/14	Ph	Akron wire and cable	918
428195	7/14	Wash	Amapolis radio tubes receptacle	920-1
431381	7/11	Brunswick	Phila radio transmitters	918
431339	7-11	Wash	Hamp Rds Receiver, vac tubes & helmets	736-34
431343	7-10	Airc Facty	Hamp Rds radio transmitting sets	736-34
431335	7-14	Wash Yd	San Diego Receiver, vac tubes & helmets	736-40
431344	7-10	Airc Facty	San Diego Radio transmitting sets	736-40
432260	7-15	Brooklyn	San Diego Radio transmitting sets	736-40
432648	7-16	Phila	Cramps battery charging panels.	206-Q-6
432637	7-16	Brook	Phila battery charging panels	206-Q-6
432005	7-14	Boston	Pug Sd transmitting sets.	1-F-6
431831	7-15	Wash	GE Co vacuum tubes	918
432252	7-14	Hamp Rds	Phila A Factory transmitters.	918
432259	7-15	Brook	Phila A Factory transmitters and spares.	918
432645	7-16	Wash Yd	Navy Bldg Transatlantic receivers.	841
431994	7-15	GE	Cristobal aircraft receivers.	727-1

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RADIO SHIPMENT REQST

1919

Number.	Date.	From or To—		Subject.	
428190	6/28	Phila		Washington radio apparatus	918
429387	7/2	Phila		Boston radio compass coil	919-1
431031	6-30		Wash	CO amplifier.	548-6
428743	7-1	Hamp Rds		Anacostia radio material	736-43
429373	7-1	Phila Yd		Chatham radio transmitters	736-33
430524	7/8	Ports		Radio Div Wash snap switches	900
429349	7-3	Syracuse	Gloucester	Liberty Engine	772
429390	7/2	Wash		BLACK HAWK Radio apparatus	61-771
430510	7-9		Wash	Phila Audion battery charging panel	553-6
430501	7-8		Wash	Phiàa audion control box-receivers ad amplifiers.	133-6
430502	7-8		Wash	Norf receivers, amplifiers, control boxes.	529-6
429674	7-8		Brook	Phila transmitting sets.	443-6
431095	7-9		Wash	CO amplifier.	212-6
421153	7-8		Wash	Brook relay key.	131-6
428738	7-8		Brook	Phila armature rotating element.	16-S-6
429964	7-8		Boston	Mare Island transmitting sets.	296-Q-6
428509	7/8		South B	War Dept Amend SO 6/27	727-1
429962	7/7		Wash	Port au Prince wave wavememter	865
429961	7/8		Boston	Port au Prince radio trans condensers	865
431092	7/9		Wash	H Roads radio receiver	898
4305 03	7/9		Wash	MI radio equipment	919-1

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[OVER.]

RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.		
430504	7/9	Washn	Puget Sound	radio compass receiving equip	919-1
430505	7/9	phila	MI	11 radio comp coils	919-1
430506	7/9	Phila	Puget Sound	8 radio compass coils	919-1
431090	7/9	Wash	Newport	radio receiver	919-1
431091	7/9	Phila	Newport	radio compass coil	919-1
421489	7;8	Phila	Quantico	radio antenna complete	761
429283	7/10	Norfolk	Charleston	radio appr for CYPRESS	678
431334	7/10	Washn	Phila	radio apparatus	882-1
431685	7/11	Phila	Wash	storbatteries	882-1
431107	7/10	Pensacola	Phila	radio three defective dynamo	918
4305 09	7/10	Phila	NY	radio comp coil comp house	819
431380	7/11	Norf	Boston	Delco bat charg unit	91 9-1
431827	7/11	Wash	SE	selector switch	896
431686	7-11	NY	CO	radio phone storage batteries.	517-6
429384	7-10	Inspr Chi	Phila	25 radio telephones.	206-Q-6
431329	7-10	Wash	CO	audion control box/	121-6
431332	7-10	Brook	Phila	sound-proof receiving booths.	133-6
431383	7-11	Wash	CO	receiver,audion control box,amplifier	299-6
428504	7-11	Wash	CO reqts cancel order of 6-27		260-6

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RADIO SHIPMENT REQUESTS:

1919

Number.	Date.	From or To—	Subject.		
428501	6-27	Wash	CO amplifier		549-6
428968	6-28	Wash	CO amplifier.		572-6
428511	6/27	Wash	War Department	steel masts	727-1
407461	6/27	Brooklyn	Norfolk	motor generator	882-3
422691	6/27	Phila AF	Phila Laboratory	radio apparatus	918
428497	6/27	Norfolk	Washington	radio compass amplifi	rs 918
428740	6;27	Brook	Phila	10 2 kw radio tramm sets	771-2
428509	6/27	South B	War Dept	engine radio trans sets	727-1
428137	6/28	Wash	Pearl Harbor	condensers	852
428741	6/27	South B	San Domingo	gaskets	865
407414	6/28	Wash	NY City	12 vacuum tubes	898
413764	6/28	Wash	VERMONT CO	audion control box	898
299865	6/28	Wash	Rockaway Beach	Canc SO 4/23/18	918
299867	6/28	Wash	H Rds	Canc SO 4/23/18	918
299868	6/28	Wash	Pensacola	Can SO 4/23/18	918
423104	6/27	Phila AF	Phila	a amend of SO 6/10/19	918
428492	6-27	Wash	CO amplifier.		581-6
428505	6-28	Wash	CO amplifier		550-6
428993	6-30	Wash	CO receiver-audion control box etc.		543-6
428501	6-27	Wash	CO amplifier		543-6
428490	6-27	Wash	CO amplifier		542-6
428493	6-27	Wash	CO amplifier		450-6
428502	6-27	Wash	CO amplifier		445-6
428506	6-28	Wash	CO amplifier		411-6

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RADIO SHIPMENT REQUESTS: 1919

Number.	Date.	From or To—	Subject.	
4 318140	6-28	Wash	CO audion control box.	389-6
428489	6-26	Wash	CO amplifier.	284-6
428504	6-27	Wash	CO amplifier	260-6
428488	6-26	Wash	CO amplifier.	206-6
425415	6-30	Phila	NY trnasmitting sets.	167-6
428487	6-26	Wash	CO amplifier	145-6
428754	6-28	Brook	Phila transmitting sets.	133-6
429376	7/1	Norfolk	NY gen set for LV 69-	678
428994	6/30	Washn	Schenec radio receivers	898
429380	7/1	Washn	Mare Is radio receivers	898
423503	6/28	Washn	GE Co (radio receivers & vac tubes Canc SO 6/20th)	918
429374	7-1	Wash	NY long wave receiver.	571-6
428507	7-1	Wash	CO two-step amplifier.	448-6
429664	7/2	Wash	San Diego radio amplifier	830
428990	7/1	Wash	New London radio amplifer	861
429388	7/2	Wash	Boston radio receiving equipment	919-1
429386	7-2	Wash	Phila radio apparatus listed.	216-Q-6
429675	7-2	Wash	CO medium wave receiver	572-6
413764	7-5	Wash	CO medium wave receiver.	539-6
355033	7-2	Flt S B	Beth apparatus listed.	272-Q-6
429672	7-2	Wash	STEVENS short wave wave meter	86-Q-6
429671	7/2	Washn	Signal Corps 3 medium wave radio receivers	727-1
413764	7/3	Wash	ERICCSON radio receiver	898

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Number.	Date.	From or To—	Subject.	
425878	6-21	Wash	CO radio apparatus listed.	172-6
426806	6-21	Wash	CO audion battery charging panel.	268-6
421740	6/23	Washn	War Dept radio receivers	727-1
427478	6/24	Wash	Cavite telg typewriter tape perfor spares includ extra tape 1 Kleinschmidt auto trans machine	806
427653	6/23	Fleet B	New Orleans radio trans set	821
422498	6/23	Fleet B	Wash radio trans set	898
426794	6/21	Phila	Norfolk portable ammeter	916-4
428046	6-25	Wash	CO frequency ammeter.	563-6
425872	6-23	Wash	CO radio apparatus listed.	364-6
427657	6-24	Wash	Cape May Amplifier & compass cont panel	736-32
427658	6-24	Airc Facty	Cape May b Radio compass coils	736-32
427652	6-23	Airc Facty	Anacostia Radio transmitting sets	736-43
421740	6/24	Schenectady	War Dept 42 airc radio transmitters	727-1
421740	6/25	Phila	War Dept radio stor batteries trans	727-1
427670	6/25	Phila	War Dept ten radi antennas	727-1
421467	6/24	Boston	Roselle Park radio receiver	898
420323	6/25	NL	Orkney Is Amend SO 5/23	902
389368	6/24	Schenectady	NY Canc SO 1/30	918
281613	6/25	Phila	European F Can SO 2/19/18	920
294942	6/24	Washn	Phila amendment of SO 4/18/18	920
307862	6/25	NY	Paulac France CancbSO 5/22/18	920

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Shipment REQUESTS: RADIO

Number.	Date.	From or To—	Subject.	
428063	6-26	Boston	CO standard radio relay key.	106-Q-6
426562	6-26	Wash	NY two-step amplifier.	106-Q-6
428049	6-25	M Is	CO batteries, phone, battery charging panel	289-6
422601	6/26	South B	Erie Proving Ground radio apparatus	727-1
413764	6/26	Wash	Wyoming radio receiver	898
424728	6/26	Wash	Orkney Is radio amplifiers	902
424728	6/25	South B	Orkney Is radio telephone boxes	902
428045	6/25	South B	Schenectady radio telephone	902
427660	6/24	Chasn	NO radio steel masts	919-1
428062	6;26	Wash to	North Head radio rec. cont box and amplifier.	793-5
382189	6;26	N O	GL 15 kw radio transm sets	771-2
428049	6/25	Boston	Phila wire 906	
428060	6/26	Phila	Bu Std airc radio trans	916
428558	6/26	Boston	Washn Bu Std six Morse telg keys 25 lbs uncut mica	916
428558	6/26	Fleet Base	Bu Std insualtors	916
428558	6/26	Wash	Bu Standards radio amplifiers etc.	916
303544	6-28	Ports	SAVANAH quick closing valve mechanisms	574-20
426498	6-28	Phila	Boston 30 Aldis light equipments.	1-S-5
428926	6-28	Pug Sd	Norf submarine sig apparatus listed.	1-Z-7

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Number.	Date.	From or To—	Subject.	
424927	6-13	Boston	Ny emergency radio transmitter.	577-6
424926	6-13	Norf	Chasn radio motor generator.	203-6
386844	6-13	Wash	Mare Island audion battery charging panel	171-Q-6
296290	6-14	NY	Washn radio trans set	876
422498	6-13	South Brook	W ashn canc SO 6-4	898
424930	6-13	Rockaway B	Washn radio airc transmitters	918
424334	6;11	Wash	Mobile radio amplifiers and storage batteries	793-5
424932	6;13	Brook	Cape May 2 Kw gas engine driven transm	793-5
425470	6-16	Wash	CO audion battery charging panel..	422-6
424942	6-16	M Is	Ny(motor generator and parts.	422-6
418141	6-17	Wash	CO audion control box	408-6
424938	6-16	Wash	Lake 7 audion battery charging panels.	98-0-6
425476	6-17	Wash	St Augustine Radio apparatus	834
389368	6-17	Schenectady	Phila 5 airc radio transmitters	918
425482	6-17	New Brunswick	Annapolis 4 radio frequency ammeters	920-1
425474	6-18	So. Brook	Phila emergency radio transmitters.	206-Q-6
425972	6;18	Boston	Phila Radio sets	771-2
425973	6;18	Wash	Oregon Radio amplifier and rec and control box.	793 - 5
425976	6-18	Washn	Chasn radio amplifier	807
422974	6-18	South Brook	Annapolis radio apparatus	820
425971	6-18	South B	Norf changer w loading coils	824
426249	6-19	Wash	Balboa radio receiver	850

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Number.	Date.	From or To—	Subject.		
413764	6-19	Wash	JUPITER	radio receiver	89 8
413764	6-19	Wash	CLEVELAND	radio receivers	898
425478	6-17	Buffalo	Phila	radioapparatus	918
425967	6-18	Wash	Schenectady	wave wavemeter	918
421518	6-19	Phila	Morehead City	radio generator	918
426800	6-21	Wash	Tutuila Samoa	radio reciever	846
426798	6-20	N Brunswick	Darien	insulators	851
427252	6-21	Norf	K W	radio stor batteries	882-1
426793	6-20	Wash	Boston	radio recievers	898
426797	6-21	Wash N	NY	vacuum tubes	898
426804	6-21	Fleet B	Orkeny Is	telephones	9 02
423873	6-20	Boston	Wash	cable	916
426795	6-21	Wash	Norf	radio receiver	916-4
426796	6-21	Fleet B	Norf	wave changer	916-4
423503	6-20	Wash	Schnec	radio receivers	918
426805	6-21	Boston	Orkney Is antenna wire.		1-Z-6
426263	6-20	Wash	CO two-step amplifier.		87- Q-6
426262	6-20	Wash	CO long wave receiver.		~~54~~ 457-6
425976	6;20	Wash	Mich	audion cont box and amplifier	793-5
426259	6;19	Wash	San Juan	radio material listed.	793-5
426258	6;19	Wash	Fg Sd	radio rec. cont box and ampf	793-5
426256	6;19	Wash	Mil	radio cont set, amp, and charging panel.	793-5
426255	6;19	Norf	Miami	rectifier	793-5
426252	6;19	Norf	Mich	radio commutator, aud cont box.	793-5
426791	6-20	Airc Facty	Cape May	Batteries	736-32

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Number.	Date.	From or To—	Subject.	
423097	6-6	Phila	Phila radio batteries	918
423738	6-7	Wash	Inspr Ford 100 radio storage batteries.	2-Z-6
423096	6-6	San Diego	R16 aircraft radio tel set.	93-0-6
302095	6/9	Wash	BLACK HAWK radio apparatus	61
423506	6/10	Wash	NY Yd Radio apparatus	767-771
423866	6-9	Boston	Phila transmitting sets.	1650-K-6
423867	6-9	Wash	Phila receivers, audion control boxes etc.	4
423868	6-9	Boston	NNs trasnmitting sets.	4
423870	6-9	Wash	NNs receivers, amplifiers audion etc.	4
423869	6-9	So. Brook	CO storgage batteries.	80-X-6
422473	6-10	Wash	CO amplifier storage battery.	576-6
423494	6-7	Wash	S.O. Ny radio apparatus.	554-6
423184	6-10	Wash	CO medium wave receiver.	477-6
423505	6-9	Wash	Boston audion battery charging panel	321-6
423881	6-10	Wash	NY audion batt cahrg panel W	704
422873	6-10	Washn	St Thomas medium wave radio receiver	863
410387	6-9	Washn	Washn two batteries & vacu tubes	882-1
418460	6-10	Washn	MI vaucum tubes	898
418460	6-10	MI	Washn vacuum tubes	898
423880	6-10	Washn	Lowenstein Co radio frequency ammeters	898
423871	6-10	Washn	Bu Std radio choke coils	916
423849	6-9	Phila	Grt Lks. radio transmitting set.	771-2

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RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.	
413764	6-10	Washn	SEATTLE radio receiver 898	
423885	6-11	Wash	CO amplifiers and receivers.	377-6
423107	6-12	Wash	CO medium receiver	280-6
423884	6-11	Wash	Round Shoals radio reciver	678
415022	6-12	Washn	Gauantanamo Bay alcohol cup 814	
424333	6-12	Washn	NO radio str batteries 821	
424335	6-12	Washn	San Pedro de Macoris radio material	865
413764	6-12	Wash	CO DOLPHIN radio telg material	898
423104	6-12	Phila	Phila radio appr for N-9 seaplane 918	
423872	6-12	NY Brook	Cape May radio transmitter 918	
349012	6-12	Washn	Newport Canc SO Sept 19-18	919
424182	6-12	Wash	Camp Alfred Vail radio amplifiers	727-1
423499	6-10	Phila	NY porcelain insulators	988
424351	6-12	Brook	Phila airc radio transmitters 918	
421876	6-10	Schenectady	Phila radio vacuum tubes	918
424925	6-13	Wash Yd	Cape May radio batteries	736-32
423495	6-15	Airc Facty	Hamp Rds Transmitter & Vac tubes	736-34

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Number.	Date.	From or To—	Subject.	
415863	6-2	Norfolk	Bu Stds Cancell S-O 5-5-19	W 898
422102	6-2	South B	Washn radio transformers	898
389368	5-31	Schenectady	SUPPLY radio apparatus Canc SO 1-30-19	
421615	6-2	Brook	CO generator couplings.	324-6
421889	5-31	Wash	CO medium wave receiver.	138-6
421559	5-29	Airc Fac	San Diego transmitter & vac tubes	736-40
422110	6-2	Brook	Chasn Gas eng gen unit	919-1
422486	6-2	Washn	Chasn radio appr	919-1
422487	6-2	Phila	Chasn radio comp coil	919-1
413327	6-3	MI	Philippine Is radio appr	727-1
422488	6-3	Wash	CO amplifier.	520-6
422104	6-2	Phila	NY radio arc transmitting set.	488-6
422499	6-4	Boston Brook	Washn radio apparatus	898
422498	6-4	South Brook	" " "	898
422500	6-4	Phila	" " "	898
413327	6-4	Great Lakes	Philippine Is radio material	727-1
422491	6-4	Wash	CO receivers, audion control boxes etc.	268-6
422492	6-4	Wash	CO audion control boxes	130-6
421743	6-4	Wash	Inspr Lake audion battery charging panel.	106-Q-6
422494	6-4	Phila	MI one radio compass	919
421983	6/4	Wash	NY Yd Radio apparatus	361-771

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Number.	Date.	From or To—	Subject.	
421553	5-29	Wash	Cleveland radio appa	793-5
421890	5-31	Boston	Siasconsett Radio appa	793-5
421550	6-3	Rockaway	Montauk radio appa	736-37
413764	6-5	Washm	KEARSAGE radio reciever	898
423087	6-5	Newport	NY fog signal warning appr	912
423009	6-5	Wash	CO short wave wavemeter.	342-6
423006	6-5	Wash	CO short wave wavemeter.	510-6
423001	6-5	Wash	CO short wave wavemeter.	488-6
423010	6-5	Wash	CO short wave wavemeter.	474-6
423003	6-5	Wash	CO short wave wavemeter.	456-6
418587	6-5	Wash	CO medium wave receiver.	274-6
423002	6-5	Wash	CO short wave wavemeter.	205-6
423005	6-5	Wash	CO short wave wavemeter.	169-6
423007	6-5	Wash	CO short wave wavemeter.	158-6
423004	6-5	Wash	CO short wave wavemeter.	131-6
423008	6-5	Wash	CO short wave wavemeter.	121-6
420834	6-5	Phila	Bath switches.	131-Q-6
423089	6-6	Brook	Phila radio transmitters	898
422497	6-6	Brook	Phila airc radio compass coils	918
422496	6-6	Brook	H Rds aird radio compass coils	918
423101	6-6	Phila	CO porcelain insulators.	554-6
423490	6-6	Wash	CO storage batteries and audion panel.	238-6
423086	6-5	NY	Roselle Park NJ vacuum tubes	898
393024.	6-6	Phila	Phila 30 radio stor batt	918

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Number.	Date.	From or To—	Subject.		
421142	5-27	Wash	Hamp Rds	Amplifier & vacuum tubes	736-34
421143	5-27	Anacostia	Hamp Rds	Compass control panel,etc	736-34
420520	5-26	G E Co	Hamp Rds	Spares for transmitters	736-34
420523	5-26	G E Co	Miami	Spares for transmitters	736-36
420521	5-26	G E Co	Rockaway	Spares for transmitters	736-39
420525	5-24	Airc Facty	San Diego	Radio storage batteries	736-40
420552	5-26	G E Co	Anacostia	Spares for transmitters	736-43
420993	5-27	Washn	Boston	radio recievers	898
421146	5-27	Norfolk	Washn	radio trans set	898
420985	5-27	South Brooklyn	Washn	insulators	911
420669	5-26	Norf	Duluth	commutator rectifier	793-5
420674	5-26	Wash	Duluth	radio appa	793-5
421144	5-27	Rockaway	Hamp Rds	Radio vacuum tubes	736-34
421330	5-28	USS CHICAGO	Rockaway	Transmitter, receiver,etc	736-39
421329	5-28	Montauk	Anacostia	compass coil, wire, etc	736-43
421338	5-28	USS CHICAGO	Anacostia	Transmitter, stor bat,etc	736-43
420476	5-28	M Is	CO short wave receiver.		482-6
421155	5-28	Wash	CO two-step amplifier.		309-6
421153	5-29	Wash	NY 30kw arc chamber.		131-6
421149	5-28	Wash	CO medium receiver.		24-X-6
421156	5-28	Wash	Boston 4 radio storage batteries.		1-S-6
421548	5-28	Washn	Radio room Dept.	copper fly screen	6[illegible]5-26
421150	5-29	Washn	Eureka	wavememter	837
413764	5-28	Washn	Supply	radio receiver	898
413764	5-28	Washn	Smith	radio amplifier	898

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Number.	Date.	From or To—	Subject.	
420944	5-29	Boston	Bridgeport insulators	911
421348	5-28	South Brook	Norfolk Genco gas engiine	919-1
295049	5-28	Washn	Annapolis canc SO 4/6/18	920
340153	5-28	Wash	Queenstown radio amplifiers	787-3
421552	5-29	New London	Fleet Base excess material radio	876
265153	5-29	Washn	Phila canc SO 12-17-17	893
421560	5-29	Norf	New Orleans Genco gas eng gen units	919
421349	5-29	Washn	Norf radio material	919-1
261613	5-29	Washn	Brodeaux France regst amenment of SO 2-20-18	920
421557	5-29	Phila	Annapolis testing set for meas resis	920-1
421555	5-29	Wash	NY two-step radio amplifier.	265-Q-6
421891	5-31	Washn	Norf 5 audion charging panels W	824
421879	5-31	South B	Boston gas engien driven batt unit.	W 882-2
420042	5-29	South B	Washn Sperry transmitter	898
421467	5-31	Phila	Roselle Park radio reciver	898
421875	5-31	Schenectady	Marconi Co Phila radio transmitters	918
422091	5-31	"	Phila 450 airc vacuum tubes	918
421561	5-31	Phila	N Orleans three radio compass coils	W 919
421561	5-31	Washn	N O radio receivers etc.	919
421567	5-29	Norf	Annapolis loud speaking telephones	920-1
421878	5-31	Wash	CO audion control box amplifiers etc.	321-6
421877	5-31	Wash	CO audion control box, amplifiers.	216-6
419001	5-31	Wash	Ford Co medium wave receiver.	2-Z-6
418352	5-31	Wash	Phila audion control boxes, amplifiers.	20-X-6
421892	5-31	G E CO	Anacostia 50 vacuum tubes	736-43

Number.	Date.	From or To—	Subject.		
420323	5-23	N London	Orkney Is	radio ammeters	902
419967	5-22	Schenectady	Phila	electrodes	918
419968	5-22	Boston	Phila	90 radiation meters	918
420309	5-23	Schenectady	Phila	sapres for radio air transmitters	918
420509	5-23	Washn	Bu Std	radio amplifier	918
420510	5-23	Wahn	Bu Std	radio amplifer	918
420320	5-23	Washn	Great Lakes	one radio receiver	854
420526	5-24	Phila	Chicago	radio telg key	854
420324	5-24	Boston	Orkney Is	24 sets key contacts	902
420516	5-24	Phila	Orkney Is	20 radiation ammeters	902
420517	5-24	Washn	Orkey Is	218 radio batteries	902
n 416292	5-23	Rockaway Beach	Schenectady	canc SO 5/7/19	918
420518	5-24	Wash	Chicago	radio head telephones	793-5
420527	5-24	Wash	Milwaukee	wave radio receiver	793-5
419271	5-23	N Y	Gloucester	900 clear bulbs	736-
419446	5-23	Gloucester	Boston Yd	Bijur starters, etc.	736-19
419733	5-23	Rockaway	Boston Yd	Tractor propellers	736-19
419754	5-23	Rockaway	Chatham	Tractor propellers	736-33
420852	5-23	Airc Facty	Hamp Rds	Union engs, radiators,	736-34
417775	5-24	Pensacola	Key West	Hispano Conn. Rods	736-35
417775	5-24	Pensacola	Cocoa-nut Grove	Hispano Conn. Rods	736-35
417775	5-24	Key West	Pensacola	Hispano Conn. Rods	736-35
419743	5-24	Gloucester	Pensacola	Engine material	736-38
419045	5-24	Gloucester	Coco Solo	Lib Eng distributor rotor brushes	736-41

In error - Should be on SHIPMENT REQUEST card.

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Number.	Date.	From or To—	Subject.		
419962	5-22	G E Co	Cape May	Spark gap electrodes	736-32
419966	5-22	Boston	Cape May	Radiation meters	736-32
419668	5-22	G ECo	Morehead City	Spark gap electrodes	736-47
419963	5-22	Boston	Morehead City	Radiation meters	736-47
420307	5-23	G E Co	San Diego	Spares for transmitters	736-40
420306	5-23	G E Co	Rockaway	Spares for transmitters	736-39
419669	5-22	G E Co	Pensacola	Spark gap electrodes	736-38
419964	5-22	Boston	Pensacola	Radiation meters	736-38
420308	5-23	G E Co	Hamp Rds	Spares for transmitters	736-34
419670	5-22	G E Co	Hamp Rds	Spark gap electrodes	736-34
419965	5-22	Boston	Hamp Rds	Radiation meters	736-34
420305	5-23	G E Co	Chatham	Spares for transmitters	736-33
419656	5-26	Washn	Phila	radio material W	919
420511	5-23	Anacostia	Bu Std	radio amplifier	918
420519	5-26	Phila	Washn	radio trans & vacuum tubes	918
420524	5-26	Schenectady	Phila	station spares for trans	918
355273	5-26	Bath	Boston	transmitting set	133-Q-6
"	"	Boston	Bath	" "	" " "
420983	5-26	Wash	NY	radio receivers.	554-6
420666	5-26	Wash	Manitiwoc	Wave radio receiver	793-5
420667	5-26	Wash	Frankfort	" " "	793-5
420668	5-26	Norf	Cleveland	commutator rectifier	793-5
420670	5-26	Norf	Calumet	" "	793-5
420675	5-26	Wash	Calumet	radio appa	793-5

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Number.	Date.	From or To—	Subject.	
417641	5-123	Phila	Ports radio apparatus	342-6
417643	5-13	Brook	Ports sound proof receiving booth.	342-6
417644	5-13	Wash	Ports receiving equipment.	342-6
417646	5-13	Phila	CO radio apparatus.	132-6
417394	5-13	FR	Boston amplifier.	169-Q-6
417395	5-13	Wash	CO amplifier	168-Q-6
406455	5-13	Wash	CO amplifier	136-Q-6
417891	5-14	Washn	Ft S Houston audion control boxes	727
416930	5-15	Fleet B	Norf cancellation of SO 5-10	823
416937	5-14	Boston	Washn canc SO 5-12	906
418129	5-14	Phila	Washn special wire 500 ft.	906
417894	5-15	Sayville	Washn 4 german saddle type insul	911
417899	5-14	Phila	Boston three radio trans sets	919-1
418141	5-15	Wash	Ports audion control box.	408-6
418140	5-15	Wash	Ports audion control box. and receiver	389-6
417647	5-13	Wash	CO smoothing coil and condensers.	132-6
417900	5-14	Wash	CO amplifier.	168-Q-6
418128	5-14	Wash	CO amplifier.	132-Q-6
417895	5-15	Phila	Mineola Field radio appr for Sig Corp	727
418440	5-15	Washin	N London radio compass amplifier	918
418319	5-15	Wash	Boston short wave receivers.	499
417897	5-16	Phila	NY sound proof booth.	573-6
418450	5-15	Rock	Anacostia Radio material	736-43

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Number.	Date.	From or To—	Subject.	
417849	5-17	Fleet Base	Bu Stds radio apparatus	916
418816	5-17	Washn	C&R radio battery	882-1
418815	5-17	Phila	BarH arbor on radio comp coil	919-1
418258	5-17	Wash	Boston radio receiving outfit.	251-Q-6
418818	5-17	Wash	Boston audion battery charging panel.	455-6
418455	5-16	Boston	Frankfort radio antenna	793-5
417270	5-17	Wash	San Pedro radio appa	761
418456	5-17	Wash	Alpena wave radio receiver	793-5
418459	5-17	Boston	Manistique radio antenna transfer switch	793-5
417896	5-15	Phila	Little Silver radio telephone set	72 7
418181	5-1 9	Boston	Pearl H arbor special subterr cable	920-4
395302	5-19	Boston	Squantum trnasmitting set.	269-Q-6
418811	5-17	Airc Facty	Anacostia Radio receivers	736-43
419304	5-20	Washn	Norf 2 radioselectorswitches	824
394621	5-21	Boston	NNs transmitting set	183-Q-6
418327	5-20	Wash	NY radio storage batteries.	1-S-6
417582	5-20	Wash	CO amplifier (two step)	516-6
419302	5-20	Wash	CO short wave receiver.	80-Q-6
419303	5-20	Wash	CO short wave receiving set.	79-Q-6
419973	5-22	Wash	Pt Isabel radio material	853
419993	5-22	NY	Phila charging panels	882-1
419981	5-23	Phila	Little Silver v acuum tubes	727
405322	5-23	Washn	MI radio batteries	898
419976	5-22	Washn	Annapolis vacuum tubes	898
420322	5-23	Fleet B	Orkney Is radio apparatus	902

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Number.	Date.	From or To—	Subject.	
416299	5-7	Wash	CO radio apparatus.	80-X-6
416306	5-7	Wash	Phila audion battery charging panel.	107-6
415522	5-5	Phila	Hamp Rds transmitters & set spares	736-34
415532	5-6	Wash Yd	Rockaway Radio compass amplifiers	736-39
415128	5-2	Brooklyn	Montauk Radio compass coils	736-37
415533	5-6	Wash Yd	Montauk Radio material listed	736-37
415862	5-5	Phila	Coco Solo Radio storage batteries	736-41
416377	5-8	NY	Washn 2 radio stor batteries	882-1
415850	5-8	Fleet Base	Washn one Telefunken Litzendraht load coil	898
416419	5-8	Brook	Phila quenched spark gap.	323-6
385869	5-9	Washn	H.Rds amendment of	918
403046	5-9	Schenectady	Washn amendment of	918
412039	5-9	Buffalo	Phila amendment of	918
416422	5-9	Rockaway	CHICAGO radiomaterial	158-6
388863	5-9	Wash	CO radio aerial coil	121-6
409835	5-10	N Lond	NOrleans canc of SO 4-15	821
416922	5-10	New Lndon	New Orleans 12 radio antenna ammeters	821
416142	5-9	Washn	MI 3 compensator aud meters	875
416420	5-9	To S&A Washn	Bu Stds one radio comp amplifier	918
416921	5-10	Washn	Bar Harbor 6 radio storage batteries	920-2
416316	5/10	M Is	USS BEAVER Radio transformer	69-771
416931	5/10	Wash	NY Radio apparatus	699-771

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Number.	Date.	From or To—	Subject.		
416928	5-10	Washn	Gaumtanamo	radio material	814
416929	5-10	Boston	Guantanamo	trasfer switches	814
416930	5-10	Brook	Norf	radio material	823
417390	5-12	Brook	P Isabel Tex	spark gap	853
417393	5-12	Brook	Virgin Is	two elec spark gap out let lead insul and carbon brushes	863
416937	5-12	Boston	Washn	500 ft spec wire	906
415996	5-10	Guantanamo	H Rds	vacuum tubes	918
416292	5-7	Rockaway Beach	Schenectady	radio transmitters	918
416426	5-9	Anacostia	Schenectady	five radio vacuum	t 918
416316	5/13	Phila	USS BEAVER	Radio transmitting set	69-771
417391	5-12	Wash	New Lond audion control box.		393-6
416424	5-10	Boston	Ports transmitting sets.		342-6
413977	5-12	Wash	Chasn long wave receiver. v		115-6
417392	5-12	Wash	CO one two step amplifier.		117-Q-6
417639	5-13	Phila	Washn	radio transmitting	set 840
414052	5-10	Washn	Virgin Island	vacuum tubes etc	863
417396	5-13	Boston	Port aud Prinne	12 Leyden jars	865
417397	5-13	Washn	Port au Prince	12 galena detec renewal &12 carbo renewals	865
416801	5-13	Norfolk	Washn	arc trans apparatus	876
415965	5-12	Brook	Phila	radioapparatus	918
416936	5-12	Phila	Bu Stds Wash	12 adio vacuum tub	918

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—		Subject.		
415520	5;3		Wash	Brook	radio transm and control boxes.	823
415462	5;3		NY	NH	storage bat.	882-3
415287	5;3		NY	Wash	radio transm	918
415287	5;3		NY	Phila	airc radio transm	918
415294	5;3		Ph	Wash	airc radio transm	918
350636	5-2	Buffalo		Phila	Excess radio matrl shipt Toronto	736-
350636	5-2	Buffalo		Wash	Excess radio matrl shipt Toronto	736-
414733	5-1	Phila		Hamp Rds	1 spool antenna wire	736-34
414738	5-2	Phila		Hamp Rds	Transmitters & set of spares	736-34
415137	5-2	G E Co		Key West	5 radio transmitters	736-35
415138	5-2	G E Co		Pensacola	5 radio transmitters	736-38
415136	5-2	G E Co		San Diego	5 radio transmitters	736-40
415139	5-2	G E Co		Morehead City	- 5 radio transmitters	736-47
415140	5-2	G E Co		Brunswick	5 radio transmitters	736-49
415519	5-3		Wash	NY	control box receivers.	158-6
414444	5-3		Brook	FR	Electrose insulators	251-Q-6
414739	5;2	N Y	GE		Radio transm.	736 - 34
415288	5;3	Phila	San Diego		Airc radio transm	736-40
415286	5;2	NY	Anacostia		5 radio transm	736-43
415289	5;3	Ph	Morehead City		5 radio transm sets.	736-47
415290	5;3	Ph	Brunswick		5 radio transm sets.	736-49
415129	5-2		Wash	Bar Harbor	radio storage batteries.	793-5
415521	5-5		Washn	Norf	three radio trans sets.	824
415863	5-5		Norf	Washn BuSt.ds	radio transformer	898
404897	5-5		Phila	Annapolis	radio material	707-1

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Number.	Date.	From or To—	Subject.	
411432	5-5	Washn	Newport 4 radio rec sets	501
411432	5-5	Washn	Newport 2 audion charg pan	"
411432	5-5	Sub Base NL	Newport 1 radio trans set	"
415871	5-6	Washn	H.Rds 20 vacuum tubes	864
377378	5-5	Washn	Akron Guadallato SO 12-16	918
387440	5-5	Washn	H.Rds canc SO 1-22	918
405169	5-6	BNYoklyn	Phila amend of Sol-27	918
415535	5-6	Washn	Suffield wavemeter	918
415534	5-6	Wash	CO receiver	432-6
413578	5-6	Phila	Norf compass house and radio compass	22-X-6
413578	5-6	Wash	Norf recievers.	22-X-6
409060	5-6	Wash	Ships listed. amplifier.	496
416296	5-7	Washn	Phila 5a udion con rol boxes	828
416303	5-7	Washn	Pearl Harbor four radio stor batteries	852
416308	5-7	Fleet Base	Washn radio telephones and bat charging panel	876
416302	5-7	Brooklyn	Washn one radio trans set	898
416295	5-7	Wash	CO medium wave receiver	551-6
416290	5-7	Wash	NY medium wave receiver.	568-6
409060	5-7	Wash	ROCHESTER amplifier.	496
414377	5-7	Wash	CO medium wave receiver.	300-6
416297	5-7	Wash	CO audion control box	161-6

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Number.	Date.	From or To—	Subject.	
413973	4;28	Washington	Colon rec, batteries amplifiers etc.	808
409926	4/26	Norf	Brest Boiler tubes	832-771
413871	4;28	Washington	New Orleans one wave rec.	821
413972	4;28	Wash	Boston 2-step amplifier	843
413996	4;29	Wash	Balboa Radio material	850
413768	4;28	MI	Darien 20 insul safety strain	851
413997	4;29	Brook	Haiti Radio material	855
413767	4;28	Wash	Boston Instruc books	898
413970	4;28	Brook	Phila Wire	906
413982	4;29	Hampton Rds	Norf Antenna Wire	908
414464	4;29	Brook	Rhode Isl volt bat chrg unit	919-1
414454	4-29	Wash	CO receivers and audion control box.	522-6
413983	4-29	Wash	CO medium wave receiver.	408-6
413984	4-29	Wash	CO medium wave receiver.	404-6
413990	4-29	Wash	CO medium wave receiver.	367-6
413986	4-29	Wash	CO medium wave receiver.	329-6
413988	4-29	Wash	CO medium wave receiver.	222-6
411246	4-29	Wash	CO receiver and audion control box	215-6
413989	4-29	Wash	CO medium wave receiver.	161-6
413987	4-29	Wash	CO medium wave receiver.	90-X-6
413593	4-29	VOID Wash	MANLEY VOID	
413993	4-29	Wash	CO medium wave receiver.	474-6
413994	4-29	Wash	CO " "	407-6
413992	4-29	Wash	CO " "	342-6

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Number.	Date.	From or To—	Subject.		
414727	4-30	Wash	CCCO radio apparatus.		316-6
413995	4-29	Wash	CO medium wave receiver.		290-6
413991	4-29	Wash	CO medium wave receiver.		132-6
409617	5;1	Wash	NJ vacuum tubes.		898
414728	5;1	Wash	Ports radio tubes and chrg panels.		902
39245	5/1	Glouce	Key West	Oil tank	629
3178	5/1	Cleve	Glouce	arbors and fixtures	629
34900	4-30	Brook	Glouce	roller casters	629
32948	4/30	Glouce	Suffield	gears & sprocket	629
3768	4/30	New York	Glouce	Magnavox transmt.	629
1017	4/30	Brook	Glouce	Wattmeters	629-1
W-1001	4/30	Glouce	Brook	Oxweld Cyl. unit	629
414737	5-1	Boston	CO hand sending key		106-0-6
414734	5;1	NY	Wash	radio transm	918
414723	5;1	Norf	Haiti	antenna wire	918
414577	5;1	Va	Charleston	storage batteries	919
414732	5;2	Ph	NY	transm cond	882-1
414731	5;2	NY	Ph	radio trans sets	918
415130	5-2	Wash	CO transmitting set		554-6
414377	5-2	Wash	CO audion control box.		300-6
415132	5-2	Wash	CO two-step amplifier.		263-6
415133	5-2	Wash	Pearl Harbor receivers.		208-6
415127	5-2	Norf	CO transformers.		188-6
415122					

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Number.	Date.	From or To—	Subject.	
412595	4-22	Boston	Bar Harbor Maine radio batteries	919-1
412596	4-22	Boston	Appledore Is radio batteries	919-1
412597	4-22	Boston	Prices Neck radio batteries	919-1
412598	4-22	Boston	Watch Hill radio batteries	919-1
412944	4-23	Cape May	Washn Bu Stds radio receiver	736-32
412939	4-24	Wash	NY radio storage batteries.	488-6
413229	4-24	Wash	NY radio receiving apparatus.	581-6
413230	4-24	Wash	NY compass coils and compass house	581-6
412940	4-24	Wash	NY radio storage batteries.	132-6
412938	4-24	Wash	NY amplifier(two step)	121-6
413227	4-24	Washn	Phila radio stor batteries	882-1
411061	4-24	TEXAS	Anacostia radio receiving sets	910
412937	4-24	SCHENECTADY	Phila six radio airc transmitters	918
412950	4-24	South B	Deer Is One Genco battery charg unit	919-1
412949	4-24	South Brook	Bar Harbor one radio quenched spark	920-2
413237	4-25	Wash	CO medium wave receiver.	568-6
412925	4-26	Brook	Pearl Harbor air radio tel trans sets	727-1
413572	4-25	Washington	Rockaway 6 fixed condensers	736-39
413234	4-25	Washington	Rockaway 5 variable condensers	736-39
350636	4-24	Buffalo	G E Co 8 vacuum tubes	736
412774	4-25	N Y Yd	Gloucester Aviation telephone sets	736-3
413241	5-25	Radioy Va.	Wash. Radio insulators, set	911

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—		Subject.	
413581	4-26		Wash	Co medium wave receivers.	188-6
413594	4-26	void	NY	TALBOT void	
413583	4-26		Wash	3rd Dist long wave receivers.	510-6
413	4-26		NY	MELVILLE radio phone batteries	510-6
411878	4-24		Wash	GE 24 vacuum tubes.	918
413233	4-24		Wash	Darien arc relay key	851
413750	4-26		Brook	Boston transmitting sets.	704
356701	4-26		Grt Lakes	Phila radio aircraft transmitters.	707-9
413753	4-26		New Orelans	Charleston 1/2 kw transm set	898
413574	4;26		NY	Phila radio transm	918
413756	4-26		Boston	Charleston one relay key	919-1
413757	4;26		Wash	Boston (wave meters and	
413762	4;26		Norf	Boston (steel tabulars masts 919-1	
413760	4;26		Washington	charg units- 919-1 Charleston meters and masts.	919-1
413580	4-26		Phila	Morehead City Radio apparatus	736-47
413577	4-26		Brook	Coco Solo Transmitter & set spares	736-41
413769	4-28		G E Co	Rockaway Transmitters	736-39
413968	4-28		Brook	Rockaway 2000 ft model "W" wire	736-39
413969	4-28		Phila	Rockaway Storage batteries	736-39
413582	4-26		Norf	CO radio transformers.	188-6
413977	4-28		Wash	Chasn radioreceiving equipment.	115-6
413765	4-28	Fleet Supply Base		Wash 5 radio tele	772

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Number.	Date.	From or To—	Subject.	
411223	4-16	NY	Washn 50 radio batteries	918
410891	4-16	Wash	CO audion control box.	321-6
411228	4-16	Wash	CO two-step amplifier.	165-Q-6
410187	4-14	Wash Yd	Norfolk 25 radio batteries	736-19
410675	4-15	Wash Yd	Anacostia 100 ft steel tubular portable mast	736-43
411226	4-16	G E Co	Anacostia 50 radio batteries	736-43
411227	4-16	G E Co	Hamp Rds 100 radio batteries	736-34
356698	4-15	Bay Shore	Phila Yd Radio app for stock	736-31
411235	4-17	Washn	Bu Stds condenser	916
410705	4-15	Hamptom	Roads CO storage batteries radio	92-Q-6
411243	4-17	Wash	CO radio storage batteries/ v	563-6
411241	4-17	Wash	Co radio storage batteries.	554-6
411871	4-18	Hamp Rds	Wash Yd 1 radio amplifier & 6 vac tubes	736-34
411249	4-18	Washn	Port au Price radio maerial	865
411285	4-18	Washn	MI radio appr.	898
411159	4-17	Wash	NY circulating pump etc	445-6
411247	4-18	Wash	CO frequency ammeter	563-6
410705	4-18	Wash	Norf radio arc transmitters.	163-6
411745	4-19	Washn	NY radio material	898
411875	4-19	H Rds	Bureau SteamEngr One Weston Voltmeter	916
405746	4-19	Boston	Buffalo 10 radil vacuum tubes	918

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RADIO SHIPMENT REQUEST.

Number.	Date.	From or To—	Subject.	
411889	4-21	Wash	Rockaway Perry blinker & buzzer sets	736-39
412046	4-21	Wash	Rockaway shock proof mtgs for amplifiers	736-39
412045	4-21	Phila	Brunswick radio insulators	736-49
410074	4-21	Norf	G Lakes radio material	707-9
411881	4-21	Norf	Portland radio Stahl commu rectifier	803
412041	4-21	Boston	Norf radio appr	898
412041	4-21	South Brook	Washn two electrose insul	911
411681	4-19	NY	Phila vacuum bubes	918
412039	4-21	Buffalo	Phila ten radio vac tubes	918
412048	4-21	NY	Washn six milliammeters	918
412040	4-21	Chi	Ford radio phones.	2-Z-6
412663	4-22	Fleet B	Boston radio receivers	918
406259	4-21	Sayville	Norfolk cable	920-1
394451	4-21	Sayville	Schenectady ammeters etc.	920-8
412933	4-23	Wash	NY radio storage batteries.	455-6
412934	4-23	CO	Wash radio wave meter.	455-6
412942	4-23	Wash	CO audion control box.	348-6
412935	4-23	Wash	NY radio storage batteries.	205-6
412941	4-23	Phila	Washn Bu Stds. radio tel material	918
402050	4-22	Boston	Cross Island radio batteris	919-1
412593	4-22	Boston	North Truro radio batteries	919-1
412594	4-22	Boston	Damiscove Is radio batteries	919-1

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Number.	Date.	From or To—		Subject.	
405602	4-10		Gloucester	Quantico spark plugs	761
409510	4-10		Wash	Charleston radio appa	761
409972	4-11	Wash		USS VIXEN receiver & amplifier	466-6
409310	4-11	Phila		European Force Radio quenches spark gap units	324-6
409651	4-11	Washn		Mare Island radio amplifier	704
409612	4-11	Phila		Phila Airc F_ac 6 radio transmitters	918
409613	4-11	Brooklyn		Rockaway 6 radio compass coils	736-39
409614	4-11	G E Co		Miami 10 radio transmitters	736-36
409976	4-11	Phila		Miami 10 radio insulators	736-36
407751	4-11		Brook	Mare Island radio pparatus.	123-0-6
408578	4-11	Sayville	Washn	radio material	652
409991	4-12	Fleet Base	Norf	box, personal property Comr Maddox	876
404057	4-12	Boston	Washn	radio trans condensers	882-1
410387	4-12	Washn	Room 2432	batteries and vacuum tubes	882-1
401178	4-12	Palo Alto	Norf	porcelain insul,(6)	911
409599	4-10	Brook	Wahn	397 airp radio receivers	918
409990	4-12		Phila	Boston radio compass coil and house	384-6
410193	4-12		Wash	Ports amplifier.	342-6
410381	4-12		Wash	CO audion con box-rec's-amplifier.	274-6
409975	4-11		Wash	CO receiver,audion con box	146-6
410397	4-14		Washn	Newport radio material	822
410694	4-14		Washn	Jupiter radio material	826
410393	4-14		Washn	Schenectady airc recievers and vacu tu	918
410395	4-14		Washn	B u Stds airc radio amplif fier	918

RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—		Subject.		
410688	4-14		Wash	NY radio compass receiving equipment.		316-6
410189	4-14		Wash	Boston radio receiving equipment		384-6
409987	4-12	Cape May		Boston	radio receivers	736-19
409989	4-12	Wash		Boston	storage batteries and instruc books	736-19
409988	4-12	Brooklyn		Boston	Radio recvr & stor btry	736-19
410185	4-14	Brooklyn		Phila	Radio recvr & stor btry	736-19
410186	4-14	Brooklyn		Boston	50 radio batteries	736-19
410188	4-14	Wash		Phila	25 radio batteries	736-19
409986	4-12	Chatham		Boston	2 radio receivers	736-19
410386	4-14	Wash		Rockaway	3 aircraft amplifiers	736-39
410394	4-14	Wash		Anacostia	1 radio amplifier	736-43
410190	4-14	Brooklyn		Norf	transmitting set	793-5
410317	4-11	Brooklyn		Liverpool	tubes, tele ,batteries	793-8
410704	4-15		Wash	Norf	aircraft radio receiver	92-Q-6
410956	4-15		Norf	CO	conductor cable	283-6
409310	4-15		Brook	European Forces	quenched spark gap	324-6
410888	4-15		Fleet B	Colon	radio receivers	808
410885	4-15		Phila	N London	radio dynamotor	828
409839	4-15		N London	N Orleans	twelve radio antenna amm	821
410877	4-15		Washn	Boston	radio amplifier	898
302095	4/16	Wash		CO	radio coils	61-771
410890	4-16	Washn		Cavite	radio material	806
410878	4-15	Brook		Phila	standard cable	906

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Number.	Date.	From or To—	Subject.		
406490	4-4	Phil	MI	Radio apparatus 123-0-6	
407968	4-4	Boston	Cavite	radio special ignition cable	806
396910	4-5	Washn	MI	radio stor batteries	845
406492	4-3	Boston	MI	Radio apparatus 123-0-6	
407969	4-4	Fleet Base	Boston	three radio ster bat teries	882-1
407461	4-5	Squantum	Ampere N.J.	radio motor generator	882-3
407461	4-5	Norfolk	Squantum	radio motor generator	882-3
364223	4-5	Washn	Norf	canc of SO Nov 2-18	898
407415	4-3	Washn	Norf	ten radio storbatteries	898
407971	4-4	South Brook	Phila	radio tel spare part boxes	902
406482	4-4	Fleet Base	Washn	Bakelite Dilecto etc.	911
405669	4-4	Bay Shore	P h ila	tel sets trans etc.	918
407717	4-5	Fleet Base	Chasn	radio trans sets	919
407964	4-4	Washn	Chasn	wave wavemeter	919
408828	4-7	Washn	San Diego	radio receivers	830
400413	4-7	Phila	N.London	canc SO 3-8th	861
405751	4-7	Washn	N.Y.	canc SO 3-28	898
401250	4-7	Cape Breton	Phila	radio transmitters Can	918
405454	4-4	Washn	CO G.W.	Radio apparatus	23X6
409057	4-8	Phila	Jupiter	gas eng batt charg unit	816
408846	4-8	Washn	Sound	radio amplifiers etc	833
407965	4-4	Boston	Astoria Oregon	ignition cable	793-5
408631	4-7	Was	Cape May	Amplifier	793-5
408866	4-8	Phila	N Y	radio compass coil & house	316-6

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Number.	Date.	From or To—	Subject.		
409051	4-8	Brooklyn	Phila	Antenna loading coil	515-6
408448	4-7	Wash	USS PAULDING	Audion bulb receptacle	337-6
407966	4-4	Boston	Anacostia	600 ft spec ignition cable	736-43
407967	4-4	Wash Yd	Anacostia	1 selector switch	736-43
407972	4-4	Wash Yd	Coco Solo	30 vacuum tubes	736-41
401219	4-4	Mare Island	San Diego	4 radio telephone sets	736-40
407973	4-4	Wash Yd	Rockaway	12 vacuum tubes	736-39
408480	4-7	Wash Yd	Hamp Rds	amplifier & short waverecvr	736-34
409049	4-8	Washn	N.Y.	m63 radio stor batteries	882-1
409063	4-9	Fleet Base	Phila	75 radio storage batteries	882-1
406629	4-9	Washn	Cleveland	wave rwavemeter	893-4
408533	4-8	Pensacola	NY	10 airplane radio recev	898
409430	4-9	Washn	Boston	radio receiver	898
408831	4-8	Washn	Fleet Base	rair radio rec vacum tub	918
409061	4-9	Chincoteague	Norfolk	radio batteries	919
409606	4-10	Boston	San Diego	4000 f t sub cable	830
406794	4-10	Glouch	Phila	airc radio transmitter	898
409601	4-10	C hicago	Washn	400 radio comp amplifi	898
409435	4-10	Bay Shore	Anacostia	4 radio transmitters	736-43
409603	4-10	Hamp Rds	Fleet Sup Base	5 airplane receivers	736-19
409436	4-10	Wash Yd	USS MELVILLE	Loading coil	510-6
407170	4-10	Wash Yd	USS DAVIS	receivers, amplifier, etc	569-6
409065	4-9	Phila	Hamp Rds	transmitting set	736-34
409440	4-10	G E Co	Hamp Rds	transmitters	736-34
409441	4-10	Wash Yd	Rockaway	compass control panels, etc	736-39
409437	4/10	Wash	SHAWMUT	radio apparatus	699-771

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Number.	Date.	From or To—	Subject.	
406676	3-31	Boston	Mare Island transmitting sets.	336-Q-6
330226	3-31	Inspr FR	Brook amplifiers.	95-Q-6
407173	4-1	Brooklyn	Rockaway 36 electrose strain insulators	736-39
407174	4-1	Hamp Rds	Rockaway 6 radio helmets	736-39
405675	3-31	Brooklyn	Rockaway 20 dry batteries	736-39
405676	4-1	Brooklyn	Key West 40 dry batteries	736-35
406618	4-2	Fleet Base	Washn radio apparatus	704
399277	4-2	Washn	Manila radio receivers	727
407405	4-2	Washn	Pearl Harbor radio receivers	852
407188	4-2	Washn	Phila radio receiver	898
407189	4-2	Boston	Washn radio trans set	898
407190	4-2	Brook	Washn radio trans sets	898
405316	4-1	Brook	Phila winker keys etc.	918
406478	4-1	Washn	Bureau Perry blinker sets	918
406677	3-31	Anacostia	Schenectady radio transmitter	918
407172	4-1	Buffalo	Phila radio helmet	918
406243	4-1	Washn	Rocka Beach tel material	919
406244	4-1	Washn	Sandy Hook "	"
406245	4-1	"	Mantoloking "	"
406246	4-1	"	Cape May "	"
406247	4-1	"	Cape Henlopen "	"
406248	4-1	"	Norfolk "	"
406249	4-1	"	Chasn "	"
406250	4-1	"	Cahsn "	"
407277	4-2	"	Bar Harbor Weston voltmeter	"

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Number.	Date.	From or To—	Subject.	
407353	4-2	Boston	CG's 308-310-- conductor sub cable Washn.,	919
407276	4-2	Phila	Boston Weston voltmeter	919
401864	4-1	Brook	CO spare part box	106-Q-6
398162	3-6	NY	Lake insulators	106-Q-6
406618	4-2	Washn	CG radio appr	704
407700	4-3	Was hn	Newport stor batt	822
407183	4-3	Boston	Newport radio antennas	876
403971	4-3	S Brook	Washn canc of SO 3-21	898
405751	4-3	Washn	NY radio receiver	898
404512	4-3	Phila	New Or portable watt meter	916-12
407699	4-3	Washn	NO radio material	916-12
379433	4-2	Schenectady	Washn amend of SO 12-23-18	918
392602	4-2	Washn	NY canc item SO 2-8-19	918
405169	4-2	Brook	Phila amend of SO 3-27	918
407703	4-3	Norf	Phila radio apparatus	323-6
407412	4-3	Phila	Ny transmitting set	316-6
407413	4-3	Wash	Ny receivers-entering fitting for booth	316-6
396803	4-3	Brook	Phila wave changer	312-6
406455	4-2	Newport	Boston radio amplifier.	126-Q-6
407718	4-4	Phila	S Brook radio trans sets	898
407969	4-4	Fleet Sup Base	Hamp Rds 1 radio mica transmitter	736-34
401674	4-4	N Y Yd	Rockaway Magnavox anti-noise phone transmitters	736

RADIO SHIPMENT REQST

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
405667	3-27	Wash	Norf amplifier.	163-6
405686	3-27	NY	Managua radio material	858
406253	3-29	GE	CO radio tel equipment	23-X-6
398790	3-31	Boston	Norf	163-6
405752	3-28	Wash	CO short wave meter	90-X-6
406676	3-31	Wash	Mare Is recievers, audion boxes etc	336-Q-6
406080	3-31	NYS	NY searchlight controllers.	76-Q-5
406685	3-31	SHIPT REQT CARDCO	Phila radio break key.	562-5
404900	3-31	Wash	N Y Storage batteries.	793-8
405166	3-26	Brooklyn	Miami Radio telegraph material	736-36
405673	3-29	So Brooklyn	Cape May 25 dry batteries	736-32
405671	3-29	So Brooklyn	Pensacola 44 dry batteries	736-38
405672	3-29	So Brooklyn	San Diego 32 dry batteries	736-40
405674	3-31	So Brooklyn	Coco Solo 20 dry batteries	736-41
397072	3-28	Phila	Washn radio apparatus	707-8
406483	3-29	S Brook	Port au Prince radio apparatus	865
406200	3-29	Phila	Boston eng driven bat charg unit	882-1
405743	3-28	Washn	MI radio receivers	898
406684	3-31	Washn	MI radio receivers	898
337806	3-28	(SO 9-3-18 Schenectady	H/Rds transmitters reqst canc	918
308529	3-29	(SO 5-22-Phila 18	Boston radio appr amend of	919
406233	3-29	Washn	Boston radio material	919

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RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.	
406234	3-29	Washn	Bar Harbor radio material	919
406235	3-29	Damsicover Is"	Boston radio material	919
406236	3-29	Appledore Is "	Boston radio material	919
406237	3-29	CG 23 Washn	Glouch radio material	919
406238	3-29	Deer Is "	Boston radio material	919
406239	3-31	4th Cliff Washn	Humarock Mass radio material	919
406240	3-31	Prices Neck Washn	Newport radio material	919
406241	3-31	Washn	Montauk Pt radio material	919
406242	3-31	Washn	Fire Is radio material	919
406252	3-29	Wash	Tampa radio receiver & amplifier	793-5
406256	3-29	Norf	Tampa commutator rectifier	793-5
406257	3-29	Phila	Norf battery chg units	793-5
406695	4-1	Wash	Cavite radio receivers etc.	806
406693	4-1	Washn	Newport radio receiver	822
406694	4-1	SBWooklyn	Washn One Telefunken set	882-3
406679	3-31	Washn	Bath radio material	898
406683	3-31	Phila	MIsland radio trans sets	898
406688	4-1	Washn	S Brook vacuum tubes	898
404195	3-28	Fleet Base	Boston radio materail	704
406700	3-1	Wash	Boston receiver,control box ,amplifier	793-5
407821	3-1	Hpt Rds	Norfolk storage batteries	787-8
406493	3-31	Boston	Ports transmitting sets	109-0-6
"	"	Wash	" receivers,audion boxes etc	"

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Number.	Date.	From or To—	Subject.	
404449	3-22	South Brook	to Norfolk 5 5-KW spark gaps	824
403971	3-21	S Brook	Washn 1 short wave radio receiv	898
394458	3-22	Buffalo	Glouchester Canc of SO 2-17-19	918
398806	3-22	Boston	Phila amend of to 45 tubes(3-12)	918
403696	3-21	Buffalo	Phila spare parts	918
404447	3-22	Annapolis	Washn chronograph	920-1
340839	3-22	S Brook	Cayey PR copper rod and tubing	920-4
404444	3-22	Brook	Rockaway 36 Electrose strain insulators	736-39
404445	3-22	Brook	Rockaway 5 radio transmitters	736-39
301664	3-22	Washn	Seattle amend of SO April 30th	707-9
399912	3-21	Pitts	NY radio telg appr canc of SO 3-7	823
404511	3-24	NY	M.I. 150 stor abatteries	882-1
383166	3-22	CG 150	Norfolk one Genco gas eng battery	91 9
404776	3-24	S Brook	mMare Is radio batt and telephones	902
405164	3-26	Brook	Cape May Radio Material	736-32
405161	3-26	Brook	Chatham Radio Material	736-33
405159	3-25	Wash Yd	Hamp Rds Amplifiers, vacuum tubes, etc	736-34
405165	3-26	Brook	Hamp Rds Radio Material	736-34
405162	3-26	Brook	Montauk Radio Material	736-37
405158	3-26	Brook	Rockaway Radio Material	736-39
405160	3-25	G E Co	Rockaway 6 radio transmitters	736-39

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RADIO SHIPT REQST

Number.	Date.	From or To—		Subject.		
404027	3-22		Boston	K West	25 condensers	817
404383	3-25		Phila	NY	radio trans set	823
404781	3-25	MELVILLE	Phila	Newport	radio trans set	822
307426	3-25		Washn	Fleet Base	amend of to 50 SO 5-17	898
405154	3-25		Norfolk	Boston	radio receiv equip	898
405322	3-25		Washn	M Island	radio amplifiers	898
405328	3-26		Washn	Puget S	radio amplifiers	898
404771	3-24		S Brook	P S	radio telp	902
354689	3-25		Brook	Glouch	canc of SO 1-15	918
405324	3-25		Schenectady	Lab GE	44 vacuum tubes	918
405325	3-25		Schenec	Phila	62 vacuum tubes	918
405163	3-26		Brooklyn	Rockaway	Radio telegraph matrl	736-39
405668	3-27		Wash Yd	Rockaway	Receiver, phone plug, etc	736-39
405330	3-27		Akron	Montauk	Set of leads adapted to installation of radio trans	736-37
405167	3-26		Brooklyn	Cape May	Aviation radio matrl	736-35
405168	3-27		Brooklyn	Pensacola	Aviation radio matrl	736-38
405747	3-28		Sayville	Tuckerton	antenna wire	920-9
405550	3-27		S Brook	Phila	insulators	911
405669	3-27		Bay Shore	Phila	2 sets 50 A head tel	918
401251	3-27		NY	Newport	canc SO 3-13	919
204942	3-27		Phila	Europ Forces	canc SO 5-18-18	920
405169	3-27		Brook	Phila	208 props	918
405317	3-28		Brook	Washn	340 instruc books	918
405737	3-28		Glouchester	Washn	12 vacuum tubes	918
405753	3-28		Brook	Phila	radio motor generator	918

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Number.	Date.	From or To—		Subject.	
403044	3-17		Wash	Hamp Rds Radio compass control panels	736-34
403061	3-17		Phila	NYS radio compasses.	157-Q-6
403057	3-17		Phila	NNS Radio compasses	189-Q-6
403062	3-17		Phila	Cramps radio compasses	206-Q-6
403058	3-17		Phial	Norf radio compasses	252-Q-6
403060	3-17		Phila	NNS Radio compasses	272-Q-6
402517	3-15		Wash	New London sudion control box.	420-6
402516	3-15		Wash	CO misc radio apparatus.	422-6
402194	3;15		Ph	Norf One radio comp coil	919
403046	3;17		GE Co	Sig Corps Wash. Airc radio tranm	918
402508	3;15		Hampton Rds	Bu Stand Wash motor gen	918
403034	3;17		Chicago	MI 75 radio tel	902
400372	3-18		Wash	CO radio amplifier x	570-6
401485	3-18		Wash	Co transformers.	422-6
402524	3-17		Wash	CO audion control box.	377-6
403066	3-18		Wash	Astoria Sta. radio apparatus.	793-5
402195	3;15		Otter Cliffs	Wash. 12 tone traps	920-2
403587	3-19		Wash	CO antenna break key.	563-6
403417	3-19		Wash	NY audion battery charging panels.	2-Z-6
403064	3-18		Phila	Mare Island radio compasses.	177-Q-6
312194	3-19	SHIPT CARD	CO	Phila telephone wire	109-4
386028	3-19		N Y	C Z radio appa	771-2
403415	3-19		Wash	C Z Radio Appa	771-2
403694	3-20		Wash	Rockaway 36 vacuum tubes	736-39
403695	3-20		Wash	Rockaway 6 vacuum tubes	736-39
403688	3-20		Phila	Anacostia DC voltmeter- hand magneto test outfit	736-43
404009	3-20		Wash	Anacostia 100 ft collapsible steel tubular mast	736-43

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Number.	Date.	From or To—	Subject.	
403410	3-18	Brooklyn	Rockaway Radio compass wire	736-39
403959	3/20	Wash	CO Mercy Amplifier	479-771
403958	3-20	Wash	CO audion control box	544-6
404011	3-20	Wash	CO amplifiers.	510-6
403964	3-20	Wash	Boston radio storage batteries.	1-S-6
403689	3-20	Wash	Boston receivers, amplifiers.	16-K-6
404014	3-21	Gloucester	Rockaway- 25 dry batteries	736-39
404015	3-21	Brooklyn	Rockaway- 1 transmitter with spares	736-39
404013	3-21	Washington	Hamp Rds- 15 vacuum tubes	736-34
331601	3-20	Washn	CO TALLAPOOSA canc of SO 12-21-18	704
401085	3-21	Wash	CO amplifier.	577-6
403766	3-21	Boston	New Orleans 3 lighting switches.	35-S-6
404018	3-21	K West	St Augustine eleven boxes radio material	834
404975	3-21	N Lond	Washn radio frech radio amplifiers	861
401526	3-21	Washn	Virgin Is twenty diaphragms for telp	863
388114	3-21	Brook	Havana radio insulators	881
403971	3-21	Washn	NY radio receiver	898
403960	3-20	Buffalo	Phila radio material listed	918
403961	3-20	Glouch	Norf dry batteries	918
403962	3-20	Washn	Norf radio receivers	918
403963	3-20	Schenectady	Norf radio transmitters	918
308529	3-20	Phila	MI amend of SO 5-22	919
403967	3-21	Brook	Siasconsett radio trans panel	793-5

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Number.	Date.	From or To—	Subject.	
401464	3-12	Washn	Washn	2 audion battery charging panels 84 1
401465	3-12	Tuckerton	Washn	100 rolls paer tape 841
377165	3-13	Phila	N London	box sub sound and sig app 864
401249	3-12	NY	Washn	4 audion control boxes 898
401470	3-13	Washn	N London	vacuum tubes 898
299866	3-12	Washn	Key West	radio transmitters canc 918
398585	3-11	Halifax	Phila	radio transmitters 918
398806	3-12	Boston	Phila	55 vacuum tubes 918
398807	3-12	Schenectady	Phila	45 vacuum tubes 918
401250	3-12	Cape Breton I	Phila	4 airc radio transmitter 918
401453	3-12	Boston	Phila	46 airc radio transmitter 3-12
401246	3-13	Norfolk	NY	radio motor generator 919
401251	3-13	NY	Newport	radio telephone 919
401478	3-13	Phila	Nantucket	portable Weston voltmet 919
401246	3-11	Nfe	Siasconsett	rqdio equip 793-5
401247	3-11	Norf	"	radio equip 793-5
401463	3-13	Wash	Boston	radio storage batteries. 1-S-6
401456	3-12	Wash	void	void
402182	3-14	NY	P Harbor	radio trans sets 852
402180	3-14	Washn	P Harbor	radio receivers 852
289285	3-12	Washn	P ensacola	radio appr amend of 918
394090	3-14	Washn	Glouch	vacuum tubes 918
398584	3-11	Phila	Phila	vacuum tubes 918
401252	3-12	Boston	Washn	radio transmitter 918

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RADIO SHIPMENT REQST

Number.	Date.	From or To—	Subject.	
357014	3-14	NY	Westerly Genco gas engine	919
401480	3-13	Brook	Rockaway dynamotors, radio antenna reels	736-39
401479	3-13	Glou	Rockaway Storage batteries, dry batteries, antenna wire vacuum tubes,	736-39
400557	3-14	Wash	CO quenched spark gap.	184-6
35748	3-12	Mass	Glouc 30 interphones.	629
401729	3-14	Washn	CG Washn audion control box amplifiers	70 4
401729	3-14	TALLAPOOSA NY	Washn CG spark gap blower	
401998	3-14	Washn	Siasconsett radio stor battery	602
402001	3-14	Washn	Koko Head T. H. radio selec switch	852
401999	3-14	Assateague Is	Phila radio compass coil	919
402000	3-14	"	Washn radio receiving set	919
401488	3-14	NY	Cayey 700 ft tel cable	920-4
379426	3-14	Wash	Phila receiving set.	140-Q-6
401994	3-14	Wash	Rockaway Receivers & vacuum tubes	736-39
401993	3-14	Glou	Rockaway dry batteries	736-39
401995	3-14	N Y	Rockaway 12 Insulators	736-39
402507	3-15	Wash	Rockaway Vac tubes, dry batteries, etc	736-39
403045	3-17	Wash	Rockaway radio compass control panels	736-39
402505	3-15	Glou	Morehead City Lead-in Insulators	736-47
402506	3-15	Norf	Morehead City Mica condenser, phantom antenna resistor	736-47

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Number.	Date.	From or To—	Subject.	
400408	3-8	Washn	New York radio telg material	898
400409	3-7	Glouch	Phila radio material	918
357014	3-8	Phila	Westerly RI radio compass coil	919
400410	3-8	Washn	Westerly radio head telphone etc	919
400415	3-8	Wash	CO two step radio amplifiers (2)	131-6
400181	3-10	Wash	NNs radio trans set.	1654-K-6
400182	3-10	Wash	Phila radio transmitting sets.	1654-K-6
400661	3-10	NY	Fr phones, stor bat, panels.	251-Q-6
400892	3-10	NY	Phila stor batteries	882-1
400893	3-10	NY	Boston radio stor batteries	882-1
399495	3-6	Montauk	Hamp Rds 3 Wind Kites for Antenna Supports	736-34
394829	3-10	Boston	Bath conductor cable.	75-Q-6
400664	3-10	Wash	CO arc relay key	299-6
40846	3-13	Glouc	Cape May surface plate.	629
40240	3-12	North	Sydney Glouc welding & cutting outfit	629
35933	3-11	I.M. NY	S.O. Ny front door strips for searchlights	629
31454	3-12	Phila	Brook Sperry searchlight.	629
NY 6099	3-12	Brook	Glouc connecting rod tools.	629
2336	3-13	Brook	Miami belting and laces	629-1
NY 101	3-11	Brook	Glouc sockets.	629
400926	3-10	Virgin Is	Haiti lamp fittings.	1-Z-21
399053	3-10	Washn	Madrid Spain radio material	652

Receipt on file

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Number.	Date.	From or To—	Subject.	
401241	3-12	Wabhn	Mare Is wavemeters	818
397490	3-10	Washn	Newport radio apparatus	822
395137	3-10	Hartford	Washn radio receivers	876
310449	3-11	Washn	NY amend of S05-28-18	898
401068	3-11	Washn	NY radio apparatus	898
401240	3-11	Washn	NY radio apparatus	898
400425	3-10	NY	NY dry batteries	918
400665	3-10	Brook	Phila conductor cable	918
400650	3-11	Wash	Norf radio storage batteries.	1-S-6
400566	3-12	Wash	Ford Co. medium wave receivers.	2-Z-6
399705	3-12	Wash	CO radio storage batteries.	465-6
400668	3-10	Brook	Cape May, Model H high tension cable	736-32
399496	3-7	Washn	Norfolk Radio amplifier & vacuum tubes	736-34
400667	3-10	Brook	Pensacola, Model H high tension cable	736-38
400669	3-10	Brook	Rockaway, Model H high tension cable	736-39
400666	3-10	Brook	Anacostia Model H high tension cable	736-43
400416	3-8	Boston	Morehead City- Radio material	736-47
400417	3-8	Wash Yd	Morehead City- short wavemeter	736-47
398586	3-3	Brook	Brunswick- Transmitters & insulators	736-49
398587	3-3	Glou	Brunswick- Radio material	736-49
401481	3-13	Washn	Nantucket radio batteries	678
401052	3-13	Wash	Portland radio receivers	803
401051	3-13	Washn	Norfolk radio receivrs	824

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Number.	Date.	From or To—	Subject.	
38290	3/5	To SCA Gloucester	Rockaway Beach tank	629
38595	3/5	Gloucester	R ockaway Beach pump	629
398810	3-4	Wash	Norf 5 audion control boxes.	1-S-6
397503	3-4	Wash	Norf radio receivers and audion boxes.	169-6
397103	3-5	Wash	Lake Torp Co radio storage batteries.	98-Q-6
398162	3-5	Wash	Lake Torp Co radio storage batteries.	106-Q-6
399237	3-4	M Is	Union transmitting set.	296-Q-6
399483	3-5	Glou	Morehead City, Transmitters, cable, etc-	736-47
399482	3-5	Wash	Morehead City, Receivers & vacuum tubes	736-47
399244	3-5	Brook	Morehead City, 6 wing insulators	736-47
398805	3-4	Elizabeth	Rockaway Beach, radio helmets	736-39
399491	3-6	Radio Sta Washn	Newport radio material for	678
399492	3-6	" Boston	Newport radio material	678
287541	3-6	Hvd University Washn	Boston radio appr canc	707
400176	3-7	Phil	Key West motor and protec devc	817
399906?	3-7	Pitts	NY arctrans equip	823
399498	3-6	GLakes	N London wave meter	861
295049	3-6	Washn	Norf receiver canc of	920
299599	3-6	Washn	Norf radio apparatus canc	864
357014	3-7	Boston	CG Sta 58 Westerly radio appr	919
400414	3-8	Washn	New Orleans radio receiver	821
400413	3-8	Phil	NLond spec hydrophone eqip	861

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Number.	Date.	From or To—	Subject.	
398574	3-1	Naval Ob ervatory Washn	Washn radio apparatus	910
397967	2-28	Glouch	Morehead City radio transmitter	918
398575	3-1	NY	Glouch radio trans etc	918
398583	3-3	Washn	Cape Cod radio receiver	802
397321	3-1	NY	Newport radio transmitter	822
398590	3-3	New Brunswick NY	30KW arc set appr switchboards meters etc	823
398800	3-3	Tuckerton	Annapolis 50 type X por st insul	920-1
SE 939	3-3	Washn	Annapolis 3 audion bulb recept and 12 vacuum tubes	
28773	3-3	Phila	DeForrest Radio transmitter	629
398807	3-3	Wash	Boston audion boxes, receivers/ m	1-S-6
397259	3-3	Wash	Pug Sd	482-6
399234	344	Norf	Newport One Stahl rectifier	678
396334	3-5	Washn	Boston 24 vacuum tubes	707
22072	3-5	Washn	NY radio appr canc	916-1
379166	3-5	Brook	Buffalo radio material canc	918
46185	3/3	Chi.	Anacostia grinder	629
43187	3/5	Cinn	North Ft. Worth Motor	629
46185	3/5	Chi.	Morehead City grinders	629
46185	3/5	Chi.	Cape May grinders	629
46185	3/5	Chi.	Rockaway Beach grinders	629
46185	3/5	Chi.	Chathan grinders	629
46185	3/5	Chi.	Washington grinders	629
N 4304	3/6	Harrisburg	Goucester cylinders	629

Number.	Date.	From or To—	Subject.	
395625	2-19	Washn	CG ONANDAGO radio material m 704	
396042	2-19	Wash	CO two step radio amplidier.	252-6
395624	2-19	Wash	CO battery charging panel.	579-6
395621	2-19	Wash	CO audion charging panel.	578-6
396308	2-20	Wash	Phila radio storage batteries.	125-Q-6
396041	2-19	Wash	CO audin battery charging panel.	81-Q-6
395628	2-19	Wash	CO audion chargein panel/	80-Q-6
395627	2-19	Wash	CO audion battery charging panel	79-Q-6
395626	2-19	Wash	CO audion battery charging panel.	75-Q-6
395617	2-19	Wash	FR inspr receivers,a c box,amplifier	123-0-6
395307	2-18	Glou	Coco Solo- Transmitters, antenna weights,	736-41
395149	2-18	N Y	San Diego- 40 Dry batteries	736-40
395147	2-18	N Y	Rockaway - 40 dry batteries	736-39
395150	2-18	N Y	Hamp Rds - 40 dry batteries	736-34
395148	2-18	N Y	Cape May - 40 dry batteries	736-32
396323	2-21	Norfolk	Puget S radio telg	678
396324	2-21	NY	Puget S radio	678
396325	2-21	MI	Puget S radio	678
	2-19-20-21	Wash	CO'S audion battery charging panel	Q's-6
		SEE VARIOUS DESTROYERS FOR ABOVE SHIPTS.		
354478	2-20	Norf.	Boston radio receiving equipment.	104-Q-6
394710	2-18	NY	CO electrose entering insulators.	576-6
396451	2-20	Wash	CO audion battery charging panel.	301-6

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—	Subject.	
396194	2 20	Wash	Phial 4 radio storage batteries.	1-S-6
397639	2-26	Norfolk	Puget Sd radio stor batteries	678
397335	2-25	Washn	Balboa wave meter one short	850
396924	2-25	Washn	NY cantrol boxes audion	898
396925	2-25	Wash	Phile four med wave receiver	898
395362	2-25	Phila	Boston radio compass	443-6
397334	2-25	Wash	CO radio receiver.	383-6
397638	2-26	Norf	New Orleans radio tel storage batteries	314-6
383134	2-26	Boston	Glouch canc wing clamps antenna reels	918
396921	2-25	Washn	Newark NJ gas eng gen set	918
395208	2-24	Washn	Phila radio amplified and bat	91 9
396916	2-24	Phila	Bstoo radio material	919
398026	2-27	NY	Phila radio batteries	882-1
397970	2-28	Wash	NYS audion battery charging panels.	563-6
397413	2-28	Washn	European F radio head telphones	898
392601	2-26	Glouch	USN Aero Show amend to include set sp	918
396914	2-24	Wash	Cayey PR radio materia	920-4
396602	3-1	Wash	CO two pair radio head phones.	477-6
398580	3-1	Wash	BOston two audion battery charging panels.	182-6

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Number.	Date.	From or To—	Subject.		
394473	2-13	Wash	Ch Signal Off USA	Audion control box and condensers	898
394385	2-14	N Y	2nd District	Telephone storage batteries	822
394473	2-13	Wash	N Y	Audion Battery Charging Panel	823
394618	2-14	N Y	Boston	Radio material	843
394096	2-13	Buffalo	Cape May	6 vacuum tubes	736-32
394095	2-13	Buffalo	Rockaway	6 vacuum tubes	736-39
394367	2-13	Washington	Cape Henry	radio apparatus	704
395153	2-17	Wash	Norf	audion control box.	26-S-6
395155	2-17	Wash	CO	short wave wave meters.	551-6
395155	2-17	Wash	NYS	receivers.	563-6
394835	2-15	NY	Beth Ship		252-Q-6
388988	2-17	Norf	New Orleans	tel,storage bat charging panels.	1-S-6
394458	2-17	Curtiss	Gloucester	8 vacuum tubes	918
394459	2-14	Curtiss	Gloucester	Apparatus listed	918
394833	2-15	N Y	Gloucester	Battery charging unit	918
395142	2-17	N Y	Gloucester	12 vacuum tubes	918
395143	2-17	Glou	Phila	2 storage batteries	918
395144	2-17	Norf	Gloucester	Phantom antenna	918
395141	2-17	Boston	Wash	Morse telegraph keys	898
395327	2-17	N Y	Boston	Storage batteries	882-1
393271	2-17	Norf	Haiti	Radio material listed	761
394089	2-17	Wash	San Diego	60 vacuum tubes	736-40

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RADIO SHIPMENT REQUEST

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Number.	Date.	From or To—	Subject.		
394088	2-13	Washington	Cape May	60 vacuum tubes	736-32
393910	2-12	Washington	Norfolk	Receivers, helmets, etc	918
394084	2-12	Washington	Hamp Rds	60 vacuum tubes	736-34
394087	2-13	Washington	Rockaway	60 vacuum tubes	736-39
394464	2-15	Brook	Wash Yd	150 Priming Batteries	736-43
394837	2-15	Wash Yd	Anacostia	1 short wave wavemeter	736-43
394469	2-17	Brook	Coco Solo	150 Priming Batteries	736-41
394468	2-15	Brook	San Diego	150 Priming Batteries	736-40
394086	2-12	Washington	Key West	60 Vacuum Tubes	736-35
394461	2-15	Brook	Montauk	150 Priming Batteries	736-37
394457	2-14	Buffalo	Pensacola	30 Vacuum tubes	736-38
394466	2-15	Brook	Pensacola	150 Priming Batteries	736-38
394465	2-15	Brook	Miami	150 Priming Batteries	736-36
394467	2-15	Brook	Key West	150 Priming Batteries	736-35
394463	2-17	Brook	Norfolk	227 Priming Batteries	736-34
394093	2-13	Buffalo	Chatham	6 vacuum tubes	736-33
394460	2-15	Brook	Chatham	150 Priming Batteires	736-33
394382	2-13	Philap	Cape May	4 vacuum tubes	736-32
394462	2-15	Brook	Cape May	150 Priming Batteries	736-32
395302	2-18	Wash	FR arc trans set		269-Q-6
395615	2-18	Boston	Elec Bt Co transmittig sets.		
395208	2-18	Wash	Boston	Radio apparatus	919
395145	2-18	Glou	Wash	Storage batteries	918
345487	2-18	Chasn	Crocker-Wheeler	motor generator	882-3
395612	2-18	Wash Yd	N Lond Base	Radio apparatus	861

RADIO SHIPMENT REQUEST.

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Number.	Date.	From or To—	Subject.		
393651	2-11	Glou	Norfolk	Insulators	918
393652	2-11	Glou	Norfolk	Insulators	918
393653	2-11	Brook	BU SE	Insulators	918
394081	2-12	Wash	Montoloking	Short Wave Recvr	898
383136	2-10	USS NEW MEXICO	SO Phila	Radio relay key	898
393020	2-10	Wash	San Diego	Radio material	736-40
393023	2-10	Wash	Miami	Radio Material	736-36
393650	2-11	Glou	Hamp Rds	Radio transmitters	736-34
393320	2-11	Wash	Cape May	Radio material	736-32
393321	2-11	Glou	Cape May	Radio materialp	736-32
393916	2-11	Wash	CO audion control box.		3-X-6
393660	2-11	Wash	Boston audion control box		182-6
392034	2-12	New Lon	CO ammeters,amplifiers,switchboards		360-6
392034	2-12	Wash	CO short wave wave-meter		360-6
383565	2-12	Wash	CO short wave wave-meter		389-6
391901	2-6	Wash	Phila radio material		563-6
387188	2-12	Boston	Chasn radio frequency ammeter		563-6
394014	2-12	NY	Mare Is 50 telephone batteries.		136-Q-6
392107	2-12	Phila Inspr	S.O.Phila storage batteries.		574-5
393915	2-12	Phila	San Diego	Radio Receivers	736-40
393913	2-12	Phila	Rockaway	Radio receivers	736-39
393911	2-12	Phila	Pensacola	Radio Receivers	736-38
394085	2-12	Wash	Pensacola	Vacuum tubes, batteries	736-38

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RADIO SHIPMENT REQUEST.

Number.	Date.	From or To—	Subject.		
393319	2-11	Gloucester	Montauk	Radio Antenna Wire	736-37
393908	2-12	Brook	Montauk	Mica Protective Device, Ammeter	736-37
394094	2-13	Buffalo	Montauk	Vacuum Tubes	736-37
393912	2-12	Phila	Key West	Radio Receivers	736-36
393655	2-12	Brook	Hamp Rds	Wing Insulators	736-34
393914	2-12	Phila	Cape May	Radio Receivers	736-32
393499	2-13	New London	Key West	radio articles.	1-Z-6
394381	2-13	Wash	New York	Audion control box	823
385962	2-13	Wash	Boston	Long wave receiver	843
393088	2-13	Wash	Chasn	Short wave wave-meter	893-4
394377	2-13	Wash	Phila	Radio material	919
394472	2-13	Wash	Norf	Short wave wave-meter	824
393654	2-12	Brook	E J Simon	Wing insulators	918
393919	2-12	Phila	Norf	Radio material	918
394091	2-13	Wash	Gloucester	Radio receivers	918
394092	2-13	Phila	Gloucester	Vacuum tubes	918
394376	2-13	NY Yd	Phila	3/4-KW 32 volt Genco Gas Engine	919
388988	2-14	Wash	Boston	audion control box receiversxq	1-S-6
394619	2-14	Phila	Beth S B Co	transmitting sets.	251-Q-6
394621	2-14	Phila	NNS	Transmitting sets.	183-Q-6
393648	2-14	Phila	NYS	Cramps trans sets.	155-Q-6
355273	2-14	Phila	Bath	transmitting sets.	133-Q-6
245723	2-14	Phila	NYS	transmitting sets.	125-Q-6

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Number.	Date.	From or To—		Subject.		
392597	2-7		Washn	Cape May	radio telg material	736-32
392125	2-7		Washn	Montauk	radio material	736-37
392598	2-7		Washn	Rock Beach	radio material	736-39
392609	2-8		Phila	Assaeteague Isl	Radio compass coil	919
392835	2-10		Washn	" "	radio material	919
391894	2-7		Brook	Manhattan Elec Co	type SE 1170 insulators	918
391896	2-7		Brook	Airc Storehouse	Type SE 1170 insulators	918
391900	2-6		Wash	Norfolk	Vacuum Tubes	918
392124	2-7		Wash	Bu SE	practice buzzers & keys	918
392591	2-7		Brook	Internatl RT Co	Type SE 1170 insulators	918
392593	2-7		College	Pt Airc Storeh	Radio material	918
391892	2-7		Brook	Manhattan Elec Co	Type SE 1170 insulators	918
390501	2-5		Buffalo	Boston	Transmitter	918
390502	2-5		Phila	Boston	Radio vacuum tubes	918
391893	2-7		Brook	Internatl RT Co	Type SE 1170 insulators	918
393311	2-10		Wash	N Y	Radio material	898
393312	2-10		Wash	Phila	Radio material	898
393315	2-10		Wash	Norfolk	Radio amplifiers	898
393322	2-10		Wash	Charleston	Radio material	898
393304	2-10		Wash	Buffalo	Wave Receiver	898
393305	2-10		Wash	Cleveland	Wave Receiver	898
393306	2-10		Wash	Manistique	Wave Receiver	898
393310	2-10		Wash	Boston	Wave Receiver	898
393021	2-8		Boston	Guantanamo	Radio relay key	814

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RADIO SHIPT REQTS:

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Number.	Date.	From or To—	Subject.		
390510	2-7	Norf	CO long wave receiver.		609 SP
392594	2-7	Wash	Brunswick	Recvrs, vac tubes, etc	736-49
392595	2-7	Wash	Chatham	Recvrs, vac tubes, etc	736-33
393013	2-8	Wash	Coco Solo	Recvrs, vac tubes, etc	736-41
393012	2-8	Wash	Key West	Recvrs, vac tubes, etc	736-35
393014	2-8	Wash	Hamp Rds	Radio Mterial	736-34
393015	2-8	Phila	Hamp Rds	Radio Receivers	736-34
393016	2-8	Glou	Hamp Rds	Antenna Wire	736-34
352599	2-12	Phila	Aero Acc Depot	Vacuum tubes	918
393656	2-11	Glou	Norf	Transmitters	918
393657	2-11	Glou	Norf	Transmitters	918
384733	2-12	Seattle	Airc Storeh	Radio Material	918
392600	2-12	Brook	Acc. Depot	Insulators	918
392601	2-12	Glou	Acc. Depot	Radio Material	918
392602	2-12	Wash	Acc. Depot	Radio Material	918
392610	2-12	Glou	Acc. Depot	Storage Batteries	918
393019	2-12	GE Co	Acc. Depot	Radio transmitters	918
393024	2-10	Glou	Radio Division	Airc. Storehouse-Batteries	918
393025	2-10	GE Co	Norfolk	Radio transmitters	918
393026	2-11	GE Co	Norfolk	Radio transmitters	918
393027	2-10	Airc Facty	Norfolk	Radio receivers	918
393316	2-10	Airc Facty	Norfolk	Radio receivers	918
393317	2-11	Glou	Norfolk	Storage Batteries	918

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Number.	Date.	From or To—	Subject.	
388588	1-31	Norf	Phila 1 set antenna fittings	407-6
389694	1-30	Wash	NY two-step amplifier.	323-6
389372	1-30	Norf	Chasn 120 volt radio storage Bat.	254-6
385506	1-29	Wash	Co apparatus listed.	553-6
390516	2-1-19	Wash	Phila interfleet radio key	563-6
322198	2-3	Washn	AEF France radio appr 10 batteries	canc 727
390515	2-3	Wash	Boston Interflt radio break key.	182-6
391745	2-3	NY	CO radio loading coil.	290-6
388587	1-31	Borf	Boston set antenna fittings.	182-6
388586	1-31	Norf	NY 6 set antenna fittings.	131-6
390511	2-1	NY	Chasn radio phones etc	807
391742	2-3	Wash	Chasn 1 wave absorbing circuit	807
390387	2-3	NT	M Is radio storage batteries	882-1
390071	1-31	Norf	Bu Stds 2 Navy std radio transformers	916
388590	1-28	Curtiss	Rockway airc radio transmitters	736-39
391738	2-3	Phila	Montauk radio compass coial	919
391740	2-3	Washn	Montauk radio compass coil	919
391742	2-3	Phila	Montolking radio comp coil	919
390063	1-31	Curtiss	Glouch 31 arc radio t rans	918
390080	2-1	Washn	Pensa radio appr 5-10-17 22750 5 canc	918
390387	2-3	NY	MIS 6 radio stor bat	882-1
390511	2-1	NY	Chasn radio phones stor bat charg panels	807
391742	2-3	Washn	Chasn wav absorb circuti	807
388128	1-29	Washn	GL 15 med wave receivers	898

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Number.	Date.	From or To—	Subject.	
388124	1-30	Boston	Am Rad and Re Co radio emerg transmitter 898	
390076	2-1	Washn	PENNSYLVANIA 6 interfleet radio br keys 898	
388913	1-29	Curtiss	Hamp Rds airc radio receiv hel	736-34
389613	2-4	Washn	Ft S Houston Tex radio material	727
391493	2-5	Boston	Norf Trnasmitting set	251-6
391104	2-5	Wash	CO uni-wave absorbing circuit.	130-6
370059	2-5	Wash	NY Trnasmitting set.	90-X-6
390354	2-5	Wash	CO 1,2-step amplifier.	162-Q-6
391538	2-6	Wash	Co receiver and amplifier	384-6
391898	2-6	Wash	CO radio equipment	488-6
391112	2-7	Phila	New London vacuum tubes	918
391895	2-7	Brook	E.J.Simon 15 insulators.	918
391899	2-6	Wash	Norf vacuum tubes 110.	918
392115	2-7	Wash	Hog Island batteries head phones etc	919
392121	2-7	Phila	Cape Hatteras radio compass coil complete	919
392123	2-7	Wash	Cape Hatteras head phones,hydrometers etc.	919
391891	2-7	Phila	Cape May radio matrl	736-32
391897	2-6	Phila	Cape Henry radio material	824
391492	2-5	NY	n Radio Va 4 electrose strain insu	841
389884	1-31	Norf	Cape Henry radio tel batt	902
360644	2-4	Washn	Keyport radio material	918
367184	2-4	Brook	Phila radio telg matrl	918
388914	1-29	Brook	Washn radio telg book	918
389366	1-30	Buffalo	N London radio telg mater	918
389368	1-30	Schenectady	Ft Monroe radio trans	918
390501	2-5	Buffalo	Boston radio transmit	918
3905 02	2-5	Phila	Bost n radio vaccum tubes	918

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RADIO SHIPMT REQUESTS

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Number.	Date.	From or To—		Subject.	
388593	1-28	Phila	Miami	10 aircft radio transmitters	736-36
388590	1-28	Curtiss	Rockway	2 ditto	736-39
388597	1-29	Phila	Pensacola	24 ditto	736-38
388596	1-29	Phila	San Diego	15 ditto	736-40
388595	1-29	Phila	Coco Solo	15 ditto	736-41
388592	1-28	Phila	Wash	10 ditto	736-43
388905	1-28	Hamp Rds	Anacostia	6 mica condensers	736-43
386493	1-27	Phila	Rockaway Beach	1 radio compass coil-siwtch-control	919
388907	1-28	Gloucester	TEXAS	16 storage batteries	918
388909	1-28	Anacostia	TEXAS	insulators helmet etc	918
389354	1-28	GE	TEXAS	5 aircft radio transmitters	918
389355	1-28	Phila	TEXAS	vacuum tubes-aircft radio transmitters- dynamotor	918
389356	1-28	Wash	TEXAS	aircft receivers etc	918
388665	1-29	Bu Standards	GE	1 photo recorder	909
388580	1-27	NY	Chasn	radio phones-storage batteries-battery charging panel	902
388128	1-29	Wash	GL	15 medium wave radio receivers	898
389703	1-29	Phila	Boston	radio compass coil	843
387371	1-29	Wash	Phila	1 2-step radio amplifier	828
389692	1-29	Wash	Chasn	1 medium wave receiver 1 audion control box	807
389692	1-29				
388366	1-28	NY	Beth	5 bottom entering insulators	797
380878	1-28	NY	Lisbon	4 radio trans sets comp	793-8

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RADIO SHIPMENT REQUESTS

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Number.	Date.	From or To—	Subject.	
388337	1-30	Phila	Gloucester material for radio repair ~~AKK~~ shop	736-1
389689	1-30	N Brunswick	Annapoliz antenna insulators	920-1
388124	1-30	Bost	Am Radio Research Lab-1 1/4KW radio emergency trassmitter	898
390076	2-1	Wash	PENNSYLVANIA 6 interfleet radio break keys	898
390072	1-31	NY	De Forest Radio Co 1 2-KW radio motor generator	882-3
390454	2-1	Norf	M Is 1-3 120 volt radio storage batteries	882
346919	1-29	Balboa NY	15th Dist Radio app for station	851
388606	2-1	Lttle Bldg Wash	Bost 1 2-step radio amplifier	843
389703	1-29	Phila	Boston 1 radio compass coil	843
390069	1-31	NY	Norf 1 5 KW radio transmitters	824
389690	1-30	Belmar	New Navy Bldg 5 boxes French radioapp	920
390065 390605	1/31 1-31	REsearch LabBu Standards	GE avi material	919 (918)
389357	1-30	Curtiss	Cape May 2 aircft radio transmitters	736-32
388913	1-~~30~~ 29	Curtiss	Hamp Rds- aircft radio receivers etc	736-34
390049	1-31	NY	Hamp Rds 12 balloon kite phones sets	736-34
389697	1-30	Belmar	Wash 10 storage batteries	841
390511	2-1	NY	Chasn radio phones-storage batteries charging panels	807
389358	1-29	Curtiss	Montauk 2 aircft radio transmitters	736-37
388910	1-29	Curtiss-Coco-Solo	2 ditto	736-41
388911	1-29	Anacostia Cuatiss	Wash radio material	736-43
389359	1-29	Curtiss	Brunswick GA 2 aircft radio transmitters	736-49
390062	1-31	Wash	Co receivers and amplifiers.	422 - 6

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RADIO SHIPMENT REQUESTS: Duplicate √ 92

Number.	Date.	From or To—	Subject.	
377238	1-23	Wash	Ford 8 medium wave receivers	2-Z-6
387454	1-23	Wash	S.O. NY Radio equipment.	567-6
347338	1-23	NY	NN Co 7 radio trans sets.	181-Q-6
387697	1-23	Wash	Cramsp 8 audion bat charging panels	149-Q-6
386491	1-20	Wash	Astoria Oregon 1 long wave receiver	793-5
387201	1-22	Wash	Rockaway 1 short ditto	919
387455	1-23	Comp Stations Phila	Bost 4 radio compass coils	919
387456	1-23	ditto Wash	Bost 4 short wave receivers	919
387439	1-22	Phila	NY Radio compass coil-house switch-control	823
387443	1-22	Wash	NY 1 radio compass receiving equipmt	823
387185	1-21	Norf	Guantanamo Bay 1 long wave receiver	814
386826	1-23	Wash	Annapolis 1 uadion control box	820
387458	1-23	NY	Chasn Radio phones-batteries etc	807
387459	1-23	Wash	Chasn Long wave receivers etc	807
387695	1-23	Bost	Chasn 1 radio trassmitting set	807
387188	1-24	Boston	Chasn aux radio trans set.	563-6
388034	1-24	NY	Mare Island 24 storage batteries.	136-Q-6
387461	1-23	Phila	Wash 10 Dynamotors 12 vacuum tubes	736-43
380878	1-24	Wash	Lisbon Portugal 4 radio receivers	793-8
388460	1-23	Gloucester- Hamp Rds-	5 Radio transmitters-wing clamps and radiation ammeters	736-34
388125v	1-24	NY	Pg Sd 15 radio transmitting sets	898
388137	1-25	Norf	CO Radio fittings.	422-6
388121	1-24	Phila	NY radio compass and compass house.	3-X-6
388954v	1-29	Phila	Key West 15 aircft radio transmitters	736-35

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SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.	
388126	1-24		Washn	Puget Sound radio material	898
356708	1-20		Schenectady	Boston radio telg material	918
357014	1-25	Mine Sweepers	Wash	CO radio app r	919
386492	1-19		Phila	Rock Beach radio material	919
379973	1-27		Wash	CO audion control box 0-13	590-6
388133	1-25		Wash	NY radio equipment	567-6
386473	1-25		Phila	NYS	563-6
388129	1-27		Wash	NY amplifier	477-6
388585	1-27		Wash	Norf two port field radio sets.	422-6
387712	1-25		Wash	S.O. NY radio apparatus.	130-6
388579	1-27		Phila	Wash 30 vacuum tubes	918
388599	1-27		Wash	GE 2 generators signal Corps type	918
388127	1-27		NY	GL 15 1/2 KW radio transm sets	898
388130	1-25		NY	Manoloking NJ 1 Delco battery charging unit	898
388582	1-27		NY	Norf 1 Genco Battery charging unit	882-1
386279	1-25		NY	Port Au Prince insulators	865
387850	1-27		Gloucester-San Diego	Ignition cable lock clips for spark plug terminals	736-40
388578	1-27		Phila	Pensacola 50 vacuum tubes	736-38
388908	1-28		Wash	Annapolis 6 variable condensers	920-1
389360	1-28		Wash	Co radio apparatus.	571-6
387764	1-28		Wash	Co various radio articles.	563-6
387505	1-29		Wash	Phila radio buzzer trans set.	563-6

SHIPMENT REQUESTS:

Number.	Date.	From or To—	Subject.		
357615	12-27	Phila	Cramsp 4 complete receiving sets type 995		143-Q-6
379171	12-23	Bost	Bu Standards	1 aircft radio transmitter	918
379663	12-23	Wash	ditto	8 vacuum tubes	918
379934	12-24	Brook	Gloucester	4 spools antenna wire	918
379947	12-27	v Wash	Dist Comm NY	1 short wave receiver	876
380554	12227	Phila	ditto	1 sht wave radio trans set	876
379666	12-23	GE	N Lon	2 aircft radio trans	861
379665	12-23	Gloucester-N Lon		4 storage batteries	861
379608	12-30	SEE SHIPT REQTS Gloucester	Cocoa Nut grove	Spur gear drives and tachometer shafts	736-36
380052	12-31	ditto Gloucester	Miami	Tachometers-Shafts-Lib angle drives	736-36
380963	12228	troop trans Wash	NY	radio equipmt	712-771
381037	12-30	N. Brunswick - Annapolis		1 long range wave meter	920-1
379933	12-27	Wash	Miami	20 dry batteries	736-36
381044	12-~~44~~30	Phila	Miami	1 battery charging unit	736-36
381045	12-30	Wash	Miami	1 Audion battery charging panel	736-36
379938	12-27	Akron	Gloucester	1 aricft radio transmitter	736-34
380969	12-30	Phila	Coasters Harbor Nport	battery charging unit	822
381043	12-30	Wash	ditto	1 audion battery charging panel	822
381030	12-30	troop trans Phila	NY	radio compass coils-switches - controls	613-771
380569	12-28	Phila	Mare Is.	radio apparatus	496
381355	12-31	Wash	LEVIATHAN	radio apparatus	35-X-6
381353	12-31	Phila	Norf	radio apparatus	1-X-6
372765	12-28	NY	Wash	radio apparatus	283-6

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Number.	Date.	From or To—		Subject.		
381032	12-30		NY	NY	radio apparatus	11-S-6
381046	12-30		Elizabethport,NJ	NY	radio apparatus	11-S-6
379423	12-26		Phila	NNews S.Co.	radio apparatus	181-Q-6
381035	12-30		Hamp Rds	Wash	4 storage batteries	736-43
380968	12-31	transports	Wash	Norf	radio app	607-771
380815	12-23		Wash	ManolokingNJ	1 audion bulb receptacle	864
381360	1-2		Phila	Bu Standards	1 radio compass coil	916
381360 381361	1-2	Radio Lab	Wash	Bu Standards	1 2-step amplifier-1 short wave receiver-	916
381446	1-6	and return	Pensacola	Wash	radio app for repairs	736-38
382187	1-6		Wash	Coco-Solo	Radio App	736-41
382587	1-6		NY	Moorhead City	ditto	736-47
382194	1-6		Phila	NY	3 radio compass coils and houses	823
382587	1-6		Phila	Norf	ditto	824
391924	1-8		Wash	Wash	10 mica transmitting condensers	882-1
382596	1-8		Wash	Hamp Rds-	aircft radio receiver-vacuum tubes-dry batteries	736-34
382598	1-8		Wash	Anacostia	ditto	736-43
382599	1-8		Bost	Wash	radio transmitters-vacuum tubes	736-43
382600	1-8		Brook	Wash	3 aircft radio transmitters	736-43
383122	1-8		Wash	Hamp Rds	vacuum tubes-dry batteries	736-34
383123	1-8		c Gloucester	Hamp Rds	6 aircft antenna reels	736-34
383568	1-10	VOID				
383576	1-10		Wash	Gloucester	3 Sperry Co aircft radio transmitters	918
380572	1-10		Norf	Cape Hatteras	1 genco 3/4KW battery charging unit	914

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Number.	Date.	From or To—	Subject.	
376496	12-19	NY	Mare Is. radio apparatus	106-8
377564	12-17	So Brook	NL radio material	1-Z-21
377156	12-14	Phila	NY radio apparatus	22-X-6
377171	12-14	Wash	NY radio apparatus	22-X-6
378027	12-19	Gloucester	Wash 12 antenna reels	736-43
377702	12-17	Brook	Wash 1 spool antenna wire	736-43
377703	12-18	Gloucester	Wash 12 12-volt storage batteries	736-43
378020	12-18	Wash	Anacostia 4-6-volt storage batteries	736-43
378021	12-18	Brook	Wash 12 lead out insulators	736-43
378022	12-18	Brook	Wash 12 wing insulators	736-43
378023	12-18	Brook	Wash 12 strut insulators	736-43
378024	12-18	Phila	Wash 3 aircft radio transmitters	736-43
378025	12-19	Gloucester	Hamp Rds 24 12-volt storage batteries	736-34
376148	12-10	Wash	Co Amplifiers-receptacles and storage battery.	490-6
377172	12-14	NY	Staten Island Radio trans set.	44-S-6
370495	12-13	Pug Sd	Wash. Radio amplifiers.	4-0-6
377164	12-16	Wash	FR Receivers audion control boxes amplifiers.	78-0-6
374303	12-23	Wash	CO 1/4 field radio set.	274-6
379417	12-23	Wash	CO Radio articles complete Misc	490-6
379428	12-23	Phila	FR five radio compasses complete.	170-Q-6
379427	12-23	Phila	Cramsp 6 radio compasses complete.	152-Q-6
379414	12-23	Wash	Cramps one set receiving apparatus.	147-Q-6
379027	12-23	Boston	Bath 3 - 5kw trans sets	132-Q-6

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SHIPMENT REQUESTS

Number.	Date.	From or To—	Subject.	
379419	12-23	~~TEXXXX~~ Brook	NY-Italian Minstry 1 SE-1100 with spares	793-8
377264	12-21	flying boats Boeing Co	San Diego instruments	736-40
379168	12-21	Norf	Wash 1 aircft radio transmitter	736-43
379426	12-24	Phila	M Is 5 radio compasses.	140-Q-6
379538	12-24	Wash	NY one 2 step radio amplifier.	108-6
379591	12-24	Phila	Cape May Seaplane interphone sets	736-32
379[illegible]73	12-23	Bost	Wash 2 aircft radio transmitters	736-43
379432	12-23	GE	Wash ditto	736-43
379664	12-23	Wash	Anacositia 16 vacuum tubes	736-43
379932	12-24	Wash	San Diego 1 short wave wavemeter	736-40
378842	12-24	Wash	SANFRANCISCO 1 radio buzzer instrn set	898
379666	12-23	GE	N Lon 2 aircft radio transmitters	861
379162	12-21	Phila	Bordeaux pipe fittings	920
377685	12-21	Bar Harbor	Wash 8 long wave receivers and audion control boxes	920-2
379435	12-23	Wash	Annapolis 1 30 m.h. Loading coil	920-1
379418	12-23	Cape May	Gloucester radio transmitters	918
379420	12-23	GE	Wash 2 aircft radio transmitters	918
378860	12-20	Wash	Gen Radio Co 12 vacuum tubes	918
379166	12-21	Brook	Inspr Buffalo Cable as listed	918
379167	12-21	Brook	Gloucester Radio material	918
379170	12-23	Bost	Gloucester w aircft radio transmitters	918
379860	12-26	Wash	Co medium wave receiver type SE 1220	272-6
380559m	12-27n	Boston	Mare Island 12 - 5kw radio trans sets	314-Q-6
380558	12-27n	Boston	Cramps 10 5-kw trans sets	206-Q-6

Number.	Date.	From or To—		Subject.		
375166	12-7	XXXXA	Phila	Norf	1 radio compass coil	824
375167	12-7		Wash	Norf	Radio app for C.G.Sta 155	824
375252	12-7		NY	Phila	2 1KW 120 volt radio transmitting	sets 828
375164	12-7		Sayville	Pearl Harbor	20 Procelain rods for insu	852
375003	12-6		Brook	Curtiss	16 fly boat radio trans	918
375005	12-7		Wash	Bu Satnadrds	2 ditto	918
375154	12-7		NY	Akron	Bakelite sheets as listed	918
375410	12-9		Wash	Lafayette	1 long wave wave meter	920
375163	12-9		N Brunwick	Annapolis	60 Procelain tube insulators	920-1
375409	12-9		Wash	Vladisvostok	1 long wave wave meter	920-13
371674	12-5		Wash	SB NL	radio mat'l	861
370327	12-5		Phila	Haiti	radio apparatus	761
370327	12-5		Phila	Haiti	radio apparatus	761
371674	12-5		Wash	NL	radio apparatus	861
357208	12-9		Brook	Hamp Rds-	2 Airplane radio receivers	736-34
375811	12-9		NY	Wash	radio apparatus	840
357214	12-9	B. of Stand.	Wash	Wash	radio material	919
375168	12-10		Wash	Annapolis	radio material	920-1
376144	12-11	Cavite	Wash	Cavite	250 vacuum tubes	806
376388	12-11	Newport	NY	Newport	5 transmitting sets	822
376389	12-11	Portsmouth	NY	Ports	10 transmitting sets	832
375187	12-12	Airplanes	NY	Akron	dry batteries	918
375819	12-10		Wash	Hamp Rds-	Transformers and batteries	736-34

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Number.	Date.	From or To—	Subject.	
376153	12-11	So Brook	Pensa 60 vacuum transmitting tubes	736-38
376582	12-14	Gloucester	Pensacola 25 Natl Meter Thermometers	736-38
376844	12-13	Destrys listed Phila	Cramps 4 radio compasses for	919
376643	12-13	Brook	Curtiss Garden City 2 SE 1100 flying boat radio transmitters	918
376644	12-13	Bost	ditto 6 vacuum transmitting tubes	918
376647	12-13	Wash	Curtiss Buffalo radio app as listed	918
376649	12-13	Gloucester	Hamp Rds- 20 antennae reels	918
376850	12-13	NY	Todd Ship Yds 4 1 KW radio transmitting sets	898
377168	12-14	Brook	Wash 24 lead out insulators	736-43
377169	12-14	Gloucester	Wash 24 anteanna reels	736-43
377170	12-14	Wash	Anacostia 12 6 volt storage batteries	736-43
377364	12-14	Phila	Norf Radio compass coils-Switches - 2controls	824
~~00~~ 377167	12-14	Wash	N Lon 2 Vacuum Tubes	861
376395	12-12	Wash	Cape May 2 airplane compass receivers	736-32
375004	12-7	Brook	Pensacola 30 flying boat radio trans	736-38
375156	12-7	Wash	Pensacola 32 Vacuum trans tubes	736-38
376394	12-12	Wash	Pensacola 30 airplane compass receivers	736-38
377373	12-16	Sub Base Wash	N Lon radio app as listed	898
377365	12-14	ANTIGONE&MERCURY Wash	Norf ditto	824
376390	12/11	NY	Key West Five transmitting sets.	817
378595	12/19	Wash	Transatl Office 4 - 5 incutance coils.	841
375187	12/12	NY	Akron 24 Batteries.	918

RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—	Subject.	
377165	12/16	Wash	Cape May. 2 - 100 ft Steel masts.	864
377378	12/16	Wash	Akron . 25 Batteries.	918
377692	12/17	Assateague, Va	Wash. 1 radio storage battery.	919
377693	12/17	Wash.	Assateague Va. 1 Radio storage battery.	919
378014	12/17	Tuckerton	Annapolis. 20 type percelan insuls	920-1
378327	11/24	Washington	Shipment of decometer to GL	854
377695	12-17	Brook	Rockaway 1 spool antenna wire	736-39
377701	12-17	Brook	San Diego ditto	736-40
377698	12-17	Brook	Pensacola ditto	736-38
377699	12-17	Brook	Miami ditto	736-36
377700	12-17	Brook	Key West ditto	735-35
377379	12-17	Brook	Hamp Rds ditto	736-34
377696	12-17	Brook	Chatham ditto	736-33
377697	12-17	Brook	Cape May ditto	736-32
~~377333~~	~~12/16~~	~~Wash~~	~~Phila~~	
378016	12/18	Wash	Phila 500 Vacuum tubes CW 933 & 931	898
376397	12/16	Wash	Akron Teles, tubes, batteries.	918
377377	12/16	Phila	Gloucester 250 batteries.	918
377380	12/18	Bost	Wash. 1 radio transmitter.	918
~~377379~~	~~12/16~~			
377698	12/18	Wash	Cape Henry 1 radio storage battery.	919
378018	12/18	Wash	NY Receivers, 2 amplifiers, batteries	919
378028	12/18	Phila	NY 6 ~~1~~ radio compass, 6switches, etc.	919

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Number.	Date.	From or To—	Subject.	
378012	12/17	New Bruns Annapolis	4 tube antenna insultrs	920-1
377685	12/16	Wash Bar Harbor Me.	Receivers, audion box	920-2

Number.	Date.	From or To—		Subject.		
373905	12-5	RAINBOW	NY	CO	5 transmitting sets	367-5
373339	12-4	SUBMARINES	Key West	Key West	transmitter	497
374787	12-6	GEO.WASHINGTON	Wash	CO	radio apparatus	23-X-6
372711	12-5	TEXAS	Wash	CO	12 pair radio head telephones	132-6
373911	12-6	TBDS	NY	CO	radip apparatus	143-Q-6
373340	12-5	SUBMARINES	Wash	Key West	radio apparatus	497
372623	12-5	IDAHO	NY	CO	radio apparatus	563-6
373912	12/4		NY	El Cayey	radio material	920-4
374333	12/4		NY	Harvard Uni.	radio apparatus	902
352633	12/4		Bost	NL	radio apparatus	876
374689	11/5		Wash	NL	wavemeter	861
373910	12/4		Wash	Sayville	radio apparatus	855
374336	12/4		Phila.	Bost.	radio apparatus	843
374327	12/4		Wash	Bost.	radio apparatus	843
373908	12/4		Wash	Wash	radio apparatus	841
374324	12/4		Wash.	Nav.Dept.Wash.	radio apparatus	841
370327	12/3		Yards	Santiago	radio apparatus	761
374688	12-5	DELAWARE	Phila	Boston	transmitting set	182-6
374698	12-6	MINE SWEEPERS	NY	Inspr Balto	2 transmitting sets	49-S-6
374187	12-6	NEBRASKA	Wash	CO	radio apparatus	308-6
374700	12-7	SUBMARINES	M Is	San Pedro	transmitting set	497
347692	12-6	SUBMARINES	Phila	Ports	transmitting set	588-6
374691	12-6	SUBMARINES	Phila	NY	transmitting set	589-6
374347	12-6		Wash	Tuckerton	radio apparatus	920-9

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
374350	12-6		Wash.	Haeia Pt.T.H.	radio apparatus	793-5
352036	12-4		Brook.	Gloucester	radio apparatus	918
375034	12-7		NY	PS	storage battery	882-1
374348	12-6		Wash	SF	radio apparatus	842
371672	12-5		Phila.	Com.Office, Wash	radio apparatus	841
374324	12-4		Wash	Nav.Dept.Wash	radio apparatus	841
374349	12-6		Wash	El Cayey	radio apparatus	855
374346	12-6	Rad.Sta.	Wash	San Diego	radio apparatus	830
375009	12-6		Wash	Guam	wavemeter	813
374538	12-9	Exp Sta	Wash	Fort Worth	1 metal vacuum container	736-12
357157	12-7		Wash	Cape May	32 vacuum transmitting tubes	736-32
375010	12-7		Wash	Chatham	32 ditto	736-33
375159	12-7		Wash	Hamp Rds	48 ditto	736-34
375155	12-7		Wash	Key West	32 ditto	736-35
375151	12-7		Wash	Key West	1 shotr wave wave meter	736-35
304608	12-9		Wash	Maimi	Vacuum receiving tubes	736-36
375158	12-7		Wash	Maimi	32 Vacuum transmitting tubes	736-36
375156	12-7		Wash	Pensa	32 ditto	736-38
375004	12-7		Brook	Pensa	30 Flying boat radia trans	736-38
375160	12-7		Wash	Rockaway	32 ditto Vacuum transmitting tubes	736-39
375011	12-7		Wash	San Diego	24 ditto	736-40
375411	12-9		Wash	Chasn	radio apparatus	135-Q-1
374699	12-7		Wash	San Pedro	radio apparatus	497
375153	12-7		Wash	CO PENNA	radio apparatus	130-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.	
372556	11-29 ?		Inspr Brook	Gloucester transmitters & generator sets	918
372548	11-27		Phila	Boston One Bellini Tosi radio direction finder	919
370327	11-18		Wash	San J uan Santiago-Antennae guy ropes etc	761
347848	11-27		NY	Cardiff Wales allowance of radio repair material	787-3
373039	11-30		Brook	Chatham -100 Steam lined antenna weights	736-33
372793	12-1		Gloucester	Hamp Rds Hispano-Suiza engines and spares	736-34
373331	11-30		Wash	Coco-Solo 1 Audion Control box complete	736-41
373030	11-30		Bost	Miami Tele relays-sounders etc	736-36
373031	11-30		Bost	Miami ditto	736-36
373035	11-30		Wash	Miami Storage batteries and audion charging panel	736-36
373036	11-30		Wash	Miami 4 radio storage batteries	736-36
373040	11-30		Brook	Montauk 100 Stream lined anteann wieghts	736-37
373335	12-2		Brook	Coco-Solo 48 Steam lined antennae wieghts	736-41
373336	12-2		Brook	San Diego 75 ditto	736-40
373334	12-2		Brook	Pnesacola 100 ditto	736-38
373337	12-2		Brook	Gloucester 100-ditto	918
373543	12-2	C.G.Sta 23	Phila	Bost 1 radio compas coil	919
373552	12-2	28	Phila	Bost ditto	919
373552	12-2	97	Phila	NY ditto	919
373042	12-2		Brook	Cape May 200 stream lined antenna weights	736-32
373043	12-2		Brook	Hamp Rds 200 ditto	736-34
373044	12-2		Brook	Miami 75 ditto	736-36
373045	12-2		Brook	Key West 5o ditto	736-35
373041	12-2		Brook	Rockaway 200 ditto	736-39

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
372563	11-30	SUBMARINES	Wash	NL	radio mat'l	497
372564	11-29	SUBMARINES	Boston	NL	transmitter	497
372852	11-30	TEXAS	Wash	NY	500 century buzzers	132-6
372766	12-2	DELAWARE	Phila	Boston	radio booth	182-6
373032	12-2	SUBMARINE	Wash	NLondon	one audion control box	401-6
373543	12/2	Coast Gd.Sta.	Phila.	Bost.	rad.compass coil	919
373552	12/2	ditto	Phila	Bost	ditto	919
373554	12/2	Cherrystone Is.	Phila	Cherrystone Is	rad.compass coil	919
373555	12/2		Phila	Sullivan Is.	rad.compass coil	919
373904	12/2		Phila.	Chasn	rad.compass coil	919
373332	12/2		Wash.	Akron	insulating rings	918
373542	12/2		NY	Bost.	bat.charging unit	898
373541	12/2		NY	Bost.	bat.charging unit	898
373540	12/2		Norf.	Chasn	bat. charging unit	898
373539	12/2		Norf.	Chasn.	bat. charging unit	898
373538	12/2		Norf.	Cherrystone Is.	bat. charging unit	898
373906	12/3		Wash	Newport	steel masts	822
329266	12-4	TBDS	Norf	CO	4 storage batteries	119-Q-6
374326	12-4	TBDS	Wash	CO	amplifier & head telephones	143-Q-6
348402	12-3	MINE SWEEPERS	Balto	M Is	2 transmitting sets	43-S-6
348735	12-3	MINE SWEEPERS Staten Is SB Corp	Inspr	M Is	2 transmitting sets	47-S-6
374325	12-4	GEO.WASHINGTON	Wash	CO	radio receiver	23-X-6
374528	12-4	CHEYENNE	Wash	CO	amplifier	157-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
369731	11-20		Wash	Gibraltar	1 2-step radio amplifier	787-1
370722	11-22	BUSHNELL	Wash	CO	radio apparatus	515-6
347332	11-23		Boston	Charleston	Radio apparatus	919
370335	11-22		NY	Bureau of Stands	Radio material	882-2
370721	11-23		Hampton Rds	Bureau Stands	radio apparatus	736-34
371303	11-23		Wash	Hampton Rds	radio material	736-34
370720	11-22		Inspr Brook	Inspr Buff	Radio apparatus	918
371295	11-23		Wash	Buseng	radio apparatus	918
371302	11-23		Inspr Brook	Goodyear Flying Field	Radio mat'l	918
369738	11-23		Wash	GL	Detector renewals as listed	771-2
368441	11-22	NORTH CAROLINA	Wash	CO	radio apparatus	320-6
370726	11-23	PENNSYLVANIA	NY	CO	radio apparauts	130-6
371299	11-23	DUPONT	Wash	Newport R. I.	radio apparatus	194-6
341887	11-23	SUBMARINES	NY	CO	radio apparatus	497
370727	11-23	NEW MEXICO	NY	CO	radio apparatus	554-6
371677	11-25		NY	Inspr NYS	radio apparatus	911
371727	11-25		NY	Suffield	radio apparatus	898
370817	11-25		Phila	NY	Radio apparatus	898
371676	11-25		NY	Phila	radio apparatus	828
~~316979~~	~~11-24~~		~~Phila~~	~~Pauillac France~~	~~radio compass~~ ~~rqst cancel~~	~~919~~
371722	11-25		Phila	Inspr College Point	radio apparatus	918
371598	11-26	TBDS	NY	Camden	radio mat'l insulators	186-Q-6
371598	11-26	TBDS	Boston	Newport News	radio mat'l Motire connecters &silicon bronze wire	186-Q-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.	
371720	11-25	AIRPLANES	Phila	Inspr Elizabeth,N.J. 18 transmitters	918
371724	11-26	FRANCE	Sayville	Radio,Va. spare parts	920-8
371725	11-26	FRANCE	Sayville	Washington 200 lbs. tape	920-8
371851	11-26	PENNSYLVANIA	NY	CO radio apparatus,audion control box	130-6
371598	11-26	TBSD	NY	Newport Ns radio mat'l insulators	188-Q-6
371598	11-26	TBSD	Boston	Newport Ns radio mat'l copper Mcintire connecters&silicon bronze antenna wire,	188-Q-6
372119	11-27	TBSD	Bridgeport	Boston Radio Mat'l transmitting set	106-Q-6
372119	11-27	TBSD	Boston	Bridgeport radio Mat'l transmitting set	106-Q-6
3659419	11-27	PENNSYLVANIA	Wash	CO radio storage batteries	130-6
365929	11-13	TBDS	Wash	M Is receiver,control box,& amplifier	136-Q-6
372121	11-27		Wash	Norf 1000 vacuum tubes	898
372122	11-29 ?		Wash	Pg Sd 2000 vacuum tubes	898
372124	11-29		Wash	NY 2000 vacuum tubes	898
372556	11-29		Norf	Cape Hatteras storage battery	898
372768	11-29		Wash	Brooklyn arc transmitting set	898
372567	11-29		Hamp Rds	Wash 1 instument for testing ignition disturbances in radio receivers	736-34
371618	11-29		Wash	Hamp Rds 1 short wave meter	736-34
372567	11-29		Hamp Rds	Wash 1 instrument for testing ignition disturbances in radio receivers	736-34
347848	11-26		Wash	Cardiff Wales radio repair material as listed	787-3
372333	11-29		Boston	Boston receiver	843
372113	11-27		Phila	Inspr East Greenwich,5 boxes radio mat'l	918

Number.	Date.	From or To—		Subject.		
367187	11-12		Wash	Inspr Phila	radio apparatus	918
367186	11-11		Inspr GE	Inspr Phila	radio apparatus	918
367927	11-13		Wash	Wash	radio apparatus	920
365928	11-15		Norf	USS PENNSYLVANIA	radio apparatus	902
360855	11-13	IDAHO	Phila	Camden	radio apparatus	563-6
361206	11-12	IDAHO	Phila	Camden	radio apparatus	563-6
336434	11-14	NASHVILLE	Wash	CO	radio apparatus	306-6
353599	11-14	SUBMARINE	NY	Inspr Lake	radio apparatus	98-0-6
367514	11-14	SUBMARINE	Wash	CO	radio apparatus	401-6
368317	11-14		Wash	Inspr Ohio	Radio apparatus	918
368323	11-14		Gloucester	Inspr Ohio	Radio apparatus	918
368318	11-14		Wash	15th Dist	radio apparatus	898
366814	11-14		Wash	Pauillac France	radio apparatus	736-9
367946	11-13		Wash	Coco-Solo	ditto	736-41
355930	11-14		N Lon	Base 6	ditto	787-1
367933	11-13		Wash	Gibraltar	200 Vacuum tubes	787-1
368320	11-14		GE	Cape May	radio app	736-32
368321	11-14		GE	Montauk Pt	ditto	736-37
368331	11-16		NY	Lafayette Sta	Radio material	920
368681	11-16		Wash	Lafayette Sta	Radio material	920
368671	11-16		Phila	Wash	radio apparatus	875
368684	11-15		Wash	Haiti	radio apparatus	865
369140	11-16		NY	Haiti	radio apparatus	865
364932	11-13		Wash	Chasn	radio apparatus	865

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Number.	Date.	From or To—		Subject.		
365424	11-13	IDAHO	Phila	CO	radio apparatus	563-6
369150	11-16	TBDS	Wash	Inspr Bath	ditto	131-Q-6
366814	11-14		Wash	Queenstown	ditto	736-9
368797	11-16		Gloucester	Rockaway	engine spares	736-39
369744	11-19		Brook	Hamp Rds-	2000' rubber covered stranded aircraft radio wire	736-34
369732	11-19	MELVILLE	Wash	CO	radio apparatus	510-6
369734	11-19	MONTANA	Wash	CO	radio apparatus	299-6
370057	11-20		N. Brunswick	- Sayville	Tube insulators and shields	920-8
367930	11-18		Phila	Layfette France	Radio material as listed	920
368682	11-16		Boat	Lafayette France	Phone wire	920
370070	11-20		Wash	Nicaragua	radio apparatus	858
369726	11-20		Wash	Wash	radio apparatus	841
369733	11-19		Wash	Gibraltar	radio apparatus	787-1
334573	11-20	cancelled	Phila	Pauillac	order of 8-12th radio arc trans set	736-9
370065	11-20	VICKSBURG	Wash	CO	radio apparatus	459-6
370067	11-21		Phila	San Diego	12 airplane radio transmitters 3 boxes wing clamps 5 antennae reels	736-40
369742	11-21		GE	Wash	5 aircraft radio transmitters	736-43
334573	11-22		Phila	GL	1 5-KW radio arc transmitting set	736-9
370067	11-20		NY	Lafayette	radio apparatus	920
370069	11-20		Phila	Lafayette	Radio apparatus	920
369735	11-20		Wash	Signal Corps Wash	radio apparatus	898
370051	11-19		Norf	Boston	radio apparatus	916-3
369733	11-20		NY	San Domingo	radio apparatus	865

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Number.	Date.	From or To—		Subject.		
363027	10-30	TBDS	NY	Inspr Bath	Radio apparatus	131-Q-6
362780	10-28	TBDS	Phila	Inspr FR	ditto	166-Q-6
562241	1o-31		Nwe York	Brest	Electrical Material	787-1
363719	1o-31		New York	Sims	Radio Apparatus	787-1
36 0509	10-23		Wash	N Orl	3 type CN-1215 Natl Elec Supply Co	893-1
36~~2~~933	10-30		Bost	Marconi Co	radio material for	918
36 18~~8~~22	1o-30	Mine force	Phila	Base 7	radio compasses	919
365007	11-4		NY	Portland	radio apparatus	803
365003	11-4		NY	Guanatanamo Bay	ditto	850
364995	11-4		Phila	Natl Elecl Co	175 coupling board insualtors	911
365013	11-6	France	Boston	Paulliac	Radio Apparatus	736-9
364018	11-6		Wash Navy Yd - Anacostis		Radio Apparatus	736-43
318145	11-5		Wash	Cape Henry	radio apparatus	919
365197	11-5		Washington	Chatham	Ditto	736-33
365615	11-7		Hampton Rds	Bureau of Stands	radio apparatus	918
365618	11-7		Sayville	Annapolis	Radio wire	920-1
365613	11-7		Tuckerton	Annapolis	Radio apparatus	920-1
361967	11-5		Inspr Brook	Inspr Phila	Radio mat'l	918
354691	11-7		Inspr College Pt	Inspr Buff	Radio mat'l	918
353194	11-7		Inspr College Pt	Inspr Buff	Radio apparatus	918

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Number.	Date.	From or To—	Subject.		
353193	11-6	Inspr Stand	Inspr Buff	Radio apparatus	918
365419	11-4	Wash	Newport	Radio apparatus	822
365524	11-7	Wash	Newport	Radio apparatus	822
365613	11-7	N Brunswick NJ-	Annapolis	15 tube type insulators with one set shields	920-1
365921	11-9	NY	N Lon	4 K7 1/2 radio transmitting sets	907
367226	11-9	NY	PG Sd	25 140 Amp Hr storage batteries	882-1
367529	10-24	Wash	GL	1 Decrometer Natl Elecl S Co	854
356914	11-8	GE	Wash	one type GG 110 airplane radio transmitter	840
359159	10-18	Wash	3d Dist	radio apparatus	787-1
364200	11-1	Wash	Tampa	radio apparatus	797-5
363212	10-29	Wash	Base 20	radio telegraph	787-1
363700	10-30	Wash	Sims	radio apparatus	787-1
363718	11-1	Wash	3d Dist	radio apparatus	787-1
366532	11-8	SUBMARINES Wash	FR	radio telegraph	497
367197	11-11	Wash	Div #9	radio apparatus	898
368319	11-14	Wash	Norf	radio apparatus	898
368906	10-25	Wash	Hampton Rds	radio-apparatus	864
365912	11-13	Wash	Beaufort	radio apparatus	800
360301	11-12	Wash	Akron	radio material	918
367292	11-14	Wash	N Lond	radio apparatus	893-4
367941	11-13	Wash	Phila	radio apparatus	893-4
368314	11-13	Wash	NOTS Norf	Radio apparatus	893-4

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Number.	Date.	From or To—		Subject.	
359827	10-22		NY	Newport R I, radio apparatus	898
361363	10-14		Sayville	NewBrunswick Saddle and egg type insulators	920-8
345323	10-22	MINE SWEEPERS	NY	Mobile radio apparatus	34-S-6
359212	10-22	SUBS	Boston	Inspr Camden radio transmitting sets	1-Z-6
360658	10-23	CUSHING	Wash	Newport,RI radio apparatus	543-6
336434	10-23	NASHVILLE	NY	Chasn ditto	306-6
361181	10-23	GUNBOAT #21	NY	Chasn ditto	21-G-6
360644	10-23		Wash	Phila material for Installn on aircraft	918
357401	10-23		Brook	Gloucester 60 Lead out insulators	918
360651	10-23		Wash	Curtiss material for instln in aircraft	918
361946	10-25		Wash	Bu Standards 2 2-step radio amplifiers	898
361197	10-24		Chicago	N Lon 5 2-A spare part boxes	902
361156	10-24		Wash	Trans Atl Rec room Wash radio rec app	920
360432	10-24	CUSHING	Wash	Norf radio apparatus	543-6
361199	10/25	C.Elec.Runyon	Schenectedy	radio apparatus	918
360431	10/24	vessels	NY	Norf. radio transm.sets	898
361186	10-25	ships and shore stations	Wash	Bost radio app	893-1
362973	10-29		Wash	Elec Boat Co ditto	898
363206	10-29	S-2	Wash	Inspr Lake Torpedo Co ditto	898
363208	10-29	S-3	Wash	Ports ditto	898
363320	10-29	S-1	Bost	Inspr Elec Boat Co ditto	898
361959	10-25		Wash	NY 175 pair of radio head phones	898
362407	10-26		Wash	Suffield Ohio radio app	898
352976	10-25	cancelled	Wash	Beaufort ditto	800

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Number.	Date.	From or To—		Subject.		
361965	10-28	~~TXXXXX~~	Brook	Phila	50 insualtors	918
362775	10-28		Gloucester - Suffield		12 antennae reels	918
360314	10-28		NY	Lorient France	10-6-volt emergency transmitters	920
357401	10-29		Brook	Gloucester	10-23- Cancelled	918
363217	10-29	RHODE ISLAND	Wash	CO	radio mat'l	377-6
362778	10-28	TBDS	Phila	M Is	radio apparatus	296-Q-6
315119	10-29	TBDS	Phila	Beth Corp.	ditto	264-Q-6
262786	10-28	TBDS	Phila	NNS	ditto	185-Q-6
362787	10-28	TBDS	Phila	FR	ditto	162-Q-6
336510	10-28	SUB CHASERS	NY	Base 19	ditto	1-Z-6
336510	10-29	SUB CHASERS	Wash	Base 19	ditto	1-Z-6
336510	10-28	SUB CHASERS	Phila	Base 19	ditto	1-Z-6
336510	10-29	SUB CHASERS	Norf	Base 19	ditto	1-Z-6
361159	10-30		NY	Suffield	1 1/2 KW gas engine driven radio transmitting set	898
356000	10-30	10-9	Brook	Gloucester	Radio app cancelled	918
361170	10-28	pers to Akron	GE	Ch Elec Runyon	2 vacuum transmitting tubes	918
361966	10-28		Brook	Curtiss	50 lead-in insulators	918
362744	10-28		Wash	Suffiled	radio mterial as listed	918
362777	10-28		Bost	Suffield	2 vacuum transmitting tubes	918
363218	10-30		Wash	Phila	50 sets complete receiving equipment	919
353641	10/29	Bay Shore	Gloucester Bay Shore		magneto material	736-31
357402	10/28	Norf.	Brook.	Air Sta.	antenna wire	736-34
357410	10/29	Key West	Brook.	Air Sta.	keys	736-35
351509	10/30	Coco Solo	Wash.	Coco Solo	blinker sets	736-41

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
364207	11-1	stock	Wash	Norf	100 batteries	824
364215	11-1		Wash	Phila	Radio storage batteries 828	~~XXX~~
364214	11-1	Radio Distant/ Control Sta	Wash	Phila	ditto	838
364203	11-1		Norf	PENNSYLVNIA	10,000' antenna wire	875
266039	10-30	ST LOUIS	NY	CO	radio apparatus	383-6
315037	10-31	Sub tender stock	Phila	CHICAGO	order of 9-19th radio app cancelled	876
363699	10-30	BALTIMORE	Wash	CO	Radio apparatus	126-6
361479	10-30	PUEBLO	Norf	CO	ditto	166-6
362981	10-30	INDIANA	NY	CO	ditto	240-6
359567	10-30	MACHIAS	NY	Chasn	ditto	272-6
362982	10-30	RHODE ISLAND	NY	CO	ditto	377-6
356464	10-30	SUBMARINES	Wash	USS ALERT	ditto	497
362779	10-28	TBDS	Phila	Inspr,Beth SB Corp	ditto	265-Q-6
364209	11-1		Phila	Wash	18 Morse Keys	898
364222	11-1		Wash	Harvard Radio	4 medium wave radio recs	898
350649	11-1		Wash	Fire Island	radio app of 9-21st cancelled	912
364218	11-1	Lab	Wash	Bu Standards	radio app as listed	916
264212	11-2		Wash	Aberdeen Scotland-	Radio Apparatus	787-1
364194	11-1	Radio Lab	Wash	Bu Stadnards	Radio app	916
364731	11-2		NY	Appledore Is Me	ditto	919
364733	11-2		NY	Cape May	ditto	919
364732	11-2	C.G.Sta 36	NY	Truro Mass	ditto	704
364734	11-2	C.G.Sta 8	NY	Damiscove Is M e	ditto	704
364208	11-1	TBDS	Wash	CO	ditto	122-Q-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
363731	10-31	TBDS	NY	Inspr Lake	radio apparatus	106-Q-6
364201	11-1	WILMETTE	Wash	CO	ditto	598-6
363597	11-4	ALABAMA	Wash	CO	ditto	107-6
363999	11-4	OLYMPIA	Wash	CO	ditto	324-6
356075	11-4	IDAHO	NY	Inspr NYS	radio mat'l	563-6
365014	11-5	PENNSYLVANIA	NY	CO	radio apparatus	130-6
365419	11-5	PENNSYLVANIA	Wash	CO	radio apparatus	130-6
365425	11-5	PENNSYLVANIA	Norf	CO	ditto	130-6
336510	11-8	SUB CHASERS	Phila	Base 6	radio telegraph	1-S-6
281690	11-7	SUPPLY	NY	Norf	radio apparatus	422-6
365424	11-5	IDAHO	Phila	Camden	ditto	563-3
357204	11-7	Inspr Curtiss		Inspr Buff	radio apparatus	918
365614	11-7	New York		Wash	radio apparatus	911
366533	11-8	Wash		Guantanomo	radio apparatus	814
365555	11-8	OREGON	Wash	CO	radio telegraph	326-6
354296	11/8	Air Sta?	NY	Paulliac	radio apparatus	736-9
363705	10-31	Wash		Hampton Roads	radio apparatus	736-34
359555	10-23	Phila		Montauk Pt	radio material	736-37
272870	10-23	Wash		Phila	radio apparatus	771
360646	10-22	Wash		CO	radio apparatus	71-771
367942	11-13	Wash		Wash	radio apparatus	841
367863	11-13	Wash		NY	radio apparatus	893-1

RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
357414	10-15		Marion	N Brunswick	1 Wave meter	920-86
357652	10-15		Sayville	ditto	insulators and parts	920-6
356669	10-15	CINCINNATI	Wash	CO	radio apparatus	161-6
358735	10-16	ILLINOIS	Wash	CO	Ditto	238-6
358487	10-16	NEW HAMPSHIRE	Wash	CO	ditto	312-6
357698	10-15	TINGEY	Wash	CO	ditto	437-6
303052	10-16	TBDS	NY	Inspr FR	ditto	82-Q-6
292043	10-16	TBDS	Wash	Norf	ditto	161-Q-6
357611	10-16	ALOHA	Wash	CO	ditto	317-SP
357417	10-14	SAVANNAH	NY	Co	ditto	80-X-6
357416	10-16	SAVANNAH	Wash	CO	ditto	80-X-6
358727	10-16	MISSISSIPPI	Wash	CO	ditto	562-6
356001	10-14	Brest	Wash	France	ditto W	787-1
358732	10-17		NY	Key West	4 storage batteries	817
358740	10-17		~~NYIs~~ Wash	M Is	25 Short wave radio receivers	818
357650	10-17		Phila	Aberdeen Scot	5 sound p roof rec booths	876
357651	10-17		NY	Aberdeen Scotland	ditto	876
357212	10-17		Bost	Curtiss	40 type vacuum transmitting tubes	918
359379	10-18	U.S.S.Bd vessels	Wash	Chasn	15 short wave receivers	898
358999	10-17		Wash	Ports	10 ditto	898
359160	10-18		Wash	Chasn	7 ditto	898
359165	10-18		Bost	M Is	5 1/2KW radio transmitting sets	898
359166	10-16		Bost	Pg Sd	10 ditto	
354953	10-19	Rockaway Beach	Boston	L I N Y	Radio Appartatus	756-39

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—	Subject.	
359167	10-19	New York	/Phila. Radio transmitting sets	898
359169	10-19	New York	Chasn ditto	898
359665	10-19	Wash	Key West Type S E 3535 "B" batteries.	89 8
359666	10 -19	Wash	Chasn ditto	89 8
359667	10 -19	Wash	G E Head phones	89 8
359821	10-19	Boston	Ports. Radio apparatus.	898
359822	10-19	Bost	Newport ditto	898
357211	10-17	Bost	Phila 160 vacuum transmitting sets	918
357213	10-17	Bost	Garden City 40 ditto	918
357210	10-17	Brook	Akron 10 Flying boatradio transmitters	918
359163	10-18	Bost	Curtiss 35 Radio transmitters	918
353192	10-21	Bost	Greenwich RI radio app of 9-30 cancelled	918
353193	10-21	Bost	Elizabeth NJ ditto amended	918
353194	10-19	Bost	College Pt ditto ditto	918
358733	10-18	NY	Bost 5400' lead covered cable	902
359002	10-17	Wash	Aberdeen Scotland 12 Battery charging panels	900
359003	10-18	Wash	Queenstown Ire 30 battery charging panels	900
359823	10-19	Bost	Ports 10 1/2KW radio short wave receivers 10 1/2KW radio transmitting sets	898
359824	10-19	Bost	Newport ditto ditto	898
359832	10-19	Wash	ALERT 1 2-step radio amplifier 75 vactum tubes and 50 "B" batteries	898
359826	WASH 10-19	CRAVEN Wash	Radio Lav Norf radio app for cancelled	824
334229	10-21	Mine Forces- Wash	Atlantic Fleet- radio apparatus- W-	787-1
357843	10-21	Nassau Bost-	Bahamas radio apparatus- W-	793-8
357843	10-21	ditto NY	ditto ditto W-	793-8

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
355035	10-8	TBDS	NY	M Is	Radio Apparatus	3 02-Q-6
356468	10-10	Capp May	Schnectady	N J	Ditto	736-32
356695	10-10	Key West	Schnectady	Fla	Ditto	736-35
356467	10-10	Montauk	Schnectady	N Y	Ditto	736-37
356696	10-10	Pensa	Schnectady	Fla	Dittio	736-38
~~356456~~	~~10-10~~					
356010	10-10	Brest	Wash	France	Ditto	787-1
355277	10-7	TBDS	Boston	Phila	ditto	231-Q-6
356455	10-10	TBDS	NY	Phila	ditto	231-Q-6
355304	SAVANNAH	10-10	Wash	CO	ditto	80-X-6
356700	10-10	SUB CHASER	~~356700~~ NY	N L	ditto	1-Z-6
356703	10-10	ALERT	NY	CO	ditto	109-6
356704	10-10	ALERT	Boston	CO	ditto	109-6
356464	10-10	SUBS	Wash	CO	ditto	497
356701	10/10		GE	Gr Lakes	radio transmitters	707-9
354269	10-10-	SIBONEY	Wash	NY-	radio apparatus- W-	569-771
356705	10-10	ALERT	Phila	CO	Ditto	109-6
355035	10-11	TBDS	Boston	M Is	ditto	302-Q-6
356595	10-11	SUBS	Wash	CO	ditto	585-6
356394	10-9		Wash	Base #27	ditto	902-
356392	10-9		NY	Base #27	ditto	902
356698	10-14	Bay Shore-	GE	L I	- radio apparatus- W	736-31

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Number.	Date.	From or To—		Subject.		
~~357313X~~	10-14	~~To XXXX~~		~~Rpts shipmt from Wash to Rochefort France~~		
357313	10-14		Wash	Rochefort France	7 battery charging panels	920
356708	10-14	avi detch	GE	MIT	2 radio transmitters	918
357009	10-14	Good-Fly field	Wash	Akron	1 charging panel	918
357203	10-14		Bost	Curtiss	60 vacuum transmitting tubes	918
357400	10-14		NY	Akron	radio material as listed	918
346094	10-14	Cardiff	NY	Wales	radio apparatus- W-	559-771
357704	10-15		NY	Natl Elec Co	20 1/4" Antenna Shackles	875
357704	10-15		Wash	Natl Elec Co	100 #8 Silicon Bronze Antenna Wire	875
315207	10-17	RAINBOW	NY	Phila	Insulators and wire	876
315207	10-17	~~XXXXX~~ RAINBOW	Bost	Phila	Radio tele app	8-76
315207	10-17		Phila	RAINBOW	Thermo Ammeters	876
315207	10-17	RAINBOW	Wash	Phila	Radio tel material as listed	876
359484	10-16		NY	Bost	ditto	882
356158	10-11		Wash	Seattle	3 short wave receivers	898
356441	10-16		Wash	M Is	2 Instrn radio buzzer traffic control sets	898
356457	10/9		N.Y.	Brest	two transformers	787-1
358731	10-16	Brest	Wash	France-	radion apparatus- W-	736-9
358480	10-16	Miami-	Wash	Miami	ditto W-	736-36
357205	10-16		Bost	Akron	40 Vacuum transmitting tubes	918
357207	10-16		Brook	Curtiss	25 Flying boat radio transmitters	918
357208	10-16		Brook	Phila	50 ditto	918
357202	10-14		Bost	Phila	40 Vacuum transmitting tubes	918
319925	10-15		NY	~~XXXXXXX~~ Bermuda	Radio tel phone equipmt	902
281613	10-16		NY	~~Lorient~~ France	1 2-KW radio transmitting set	920

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
354146	10/4	Airc. Storehouse	Wash	Gloucester	radio apparatus	918
354689	10/4	Gallaudet	Wash	Gallaudet Air.Co.	ditto	918
354690	10/4	Standard A.Co.	Brook.	Standard A.CO.	ditto	918
354691	10/4	Engineering Co.	Brook.	College Pt.	ditto	918
354949	10/4	Rad.Laboratory	Wash	Norf.	ditto	824
354694	10-5	Fishermans Isl	NY	Va	ditto W-	736-34
355026	10-5	Hamp Rds	NY	Hamp Rds-	ditto W-	736-34
354107	10-5	Miami	Wash	Miami-	ditt W-	736-36
355027	10-4	Miami	NY	Miami-	ditto Wo-	736-36
355019	10-4	Montauk	Inspcr Mass	Montauk	ditto W-	736-37
355023	10-5	Montauk	NY	ditto	ditto W-	736-37
354953	10-4	Rockaway	Inspcr Rock-	Rockaway-	ditto- W-	736-39
355024	10-5	ditto	NY	ditto	ditto W-	736-39
354956	10-5	San Diego-	Inspcr Mass	- San Diego-	ditto W-	736-40
354168	10-5	Base 27	Wash	Base 27	ditto W-	787-1
354168	10-5	ditto	NY	ditto	ditto W-	787-1
355079	10-5	Queenstown	NY	Ire	ditto W-	787-1
353442	10/3	Mare Is.	Wash	Mare Is.	ditto	818
355274	10-5	BALTIMORE	Wash	NY	ditto	126-6
355034	10-5	TBDS	Wash	M Is	ditto	302-Q-6
355378	10-5	TBDS	Boston	M Is	ditto	302-Q-6
355031	10-5	TBDS	boston	Inspr Bethlehem	ditto	273-Q-6
355030	10-5	TBDS	Wash	Inspt Bethlehem	ditto	272-Q-6
354411	10-5	POTOMAC	NY	Haiti	ditto	358-6

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—			Subject.	
355279	10-5	Pauillac	Insp Brook-	Phila-	Radio apparatus- W	736-8
355379	10-5	ditto	Wash	ditto	ditto W-	736-9
354954	10-5	Cape May	Inspcr Mass	Cape May-	ditto W-	736-32
355028	10-5	Key West	NY	Key West-	ditto W-	736-35
355029	10-5	CocoSolo-	NY	Coco- Solo-	ditto W-	736-41
355389	10-7	USNaval Base #6	Washa	#6	ditto W-	787-1
355930	10-7	US Naval Base #6	Phila	#6	ditto W-	787-1
355271	10-7	TBDS	NY	Phila	ditto	231-Q-6
355388	10/7	Stock	NY	Nor.	Ditto w	824
355764	10-7	Compass Sta.	Phila.	Cross Is.Me.	ditto	919
354876	10-5		Wash	N Lond	ditto	704
355391	10-7	Paulliac	Glouster	Phila	Ditto	736-9
355392	10-7	Phila	Brook	Pa	Ditto	736-9
355280	10-7	Chatham	G E	Mass	Ditto	736-33
355996	10-8	Hamp Rds	Wash	Va	Ditto	736-34
355865	10-8	Nav Base 27	Wash		Ditto	787-1
327756	7-27	Brest	Wash	France	ditto- W	787-3
356469	10-9	Paulliac	Insp Mass	Phila	Ditto W	736-9
353881	10-8	Base # 20	NY	Base # 20	ditto	920
355277	10-7	TBDS	Boston	Phila	Ditto	231-Q-6
354111	10-7	TBDS	Phila	Inspr FR	Ditto	263-Q-6
355033	10-8	TBDS	NY	Inspr Beth	Ditto	272-Q-6
355033	10-8	TBDS	NY	Boston	ditto	272-Q-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
353349	10-1		Wash	Pelham Bay	Radio app as listed	
352627	10-1	Rockaway	Inspcr Brook	Rockaway	radio apparatus- W	736-39
353435	10-1	Hamp Rds	Wash	Hamp Rds	ditto W	736-34
352619	9-30	TBDS	Wash	M Is	ditto	140-Q-6
353436	TBDS	10-1	NY	Inspr NYS	ditto	157-Q-6
353616	9-30	MINE SWEEPERS	Wash	Inspr Brook	ditto	37 -S-6
353434	10-1	HANNIBAL	NY	CO	ditto	225-6
353434	10-1	HANNIBAL	Boston	CO	ditto	225-6
353216	10-1	GEO WASHINGTON	NY	CO	ditto	23-X-6
353767	10-1	LEBANON	NY	CO	ditto	263-6
352640	9-28	MISSISSIPPI	NY	CO	ditto	562-6
353768	9-30	Radio Sta	Wash	Montoloking	ditto	864
353441	10-1	Radio Sta	Wash	N Orls	ditto	821
341497	10-1		Wash	Phila	one audibility meter	916-5
353776	10-1		Sayville	Brunswick	30 Porcelain insulator ~~XXXX~~ with shields	920-8
~~352507~~	~~10-1~~	~~To Chatham---~~	~~Inspct Brook Chatham-~~		~~Radio Apparatus W~~	736-33
352629	10-2	To Hampton Rds-	ditto	- Hamp Rds	ditto W	736-34
353430	10/1	Phila	Wash	Phila	radio apparatus	918
353433	10/2	Curtiss	Wash	Curtiss	ditto	918
353431	9/30	Curtiss	Brook	Curtiss	ditto	918
322619	10-2	Queenstown	New York	Ire	Ditto W	736-9
353429	10-1	Pauillac	Wash	France	Ditto W	736-9
354483	10-3	Montauk	Wash	Montauk	ditto W-	736-37

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RADIO SHIPMENT REQUESTS)

Number.	Date.	From or To—		Subject.		
354484	10-3	Rockaway	Wash	Rockaway	- radio apparatus - W-	736-38
354545	10-3	N Orl	Phila	N Orl	radios storage bateries L	771-2
353873	10-3	Gibralatar	Bost	Spain	radio apparatus- W-	787-1
336510	10-2	SUBMARINES	NY	Base #6	radio material	1-Z-6
336510	10-2	SUBMARINES	Boston	Base #6	ditto	1-Z-6
336510	10-2	SUBMARINES	Phila	Base #6	ditto	1-Z-6
354481	10-3	NEW YORK	NY	CO	radio phone sets	131-6
354955	10-4	NEPTUNE	Wash	CO	radio apparatus	309-6
354695	10-4	TBDS	NY	Inspr Bath	radio apparatus	131-6
355020	10-4	TBDS	Wash	Inspr Bath	radio apparatus	131-6
334573	10-5	Pauillac	Phila	France	Ditto	736-9
353873	10-4	Gibraltar	NY	Spain	ditto W	787-1
354979	10-4	Fishermens Is-	Wash	Va	Ditto	736-34
354148	10-3	Radio School-	Inspcr	Brook - Pensa-	ditto W	736-38
354472	10-3	dittlo	ditto	ditto	ditto W	736-38
354680	10-3	ditto	Wash	ditto	ditto W-	736-38
354957	10-4	ditto	NY	ditto	ditto W	736-38
354460	10-3	San Diego-	Wash	San Diego	ditto W	736-40
354482	10-3	Chatham	Wash	Chatham	ditto W-	736-33
354948	10-4	ditto	Inspcr	Mass- ditto	ditto W-	736-33
355022	10-5	ditto	NY	ditto	ditto W-	736-33
354471	10-5	Pauillac	Brook	Phila--	ditto Wo	736-9
355025	10-5	Cape May	NY	Cape May	ditto W	736-32

RADIO SHIPMENT REQUESTS)

Number.	Date.	From or To—	Subject.	
352029	9-25	Pauillac Inspcr Brook-	Phila- radio apparatus- W	736-9
352032	9-25	Brest Wash	France- radio apparatus- W-	787-1
352499	9-27	MINE SWEEPERS Wash	Inspr Chester radip apparatus	1-S-6
352502	9-26	Rockaway Inspcr Brook-	Rockaway- radio apparatus- W-	736-39
351377	9-24	Radio School- Wash	Pensa- ditto- W-	736-38
351911	9-26	ditto NY	ditto- ditto- W-	736-38
352498	9-26	Hamp Rds Inspcr Brook-	Hamp Rds- ditto - W-	736-34
350650	9-27	Wash	Pelham Bay Radio appratus	707
348485	9-26	BLACK HAWK Wash	BLACK HAWK Rqst shipment Sept- 19th Canceled 9-26	
351384	9/24	Aircraft Phila	Gloucester radio material	61-771 918
351385	9/24	aircraft Wash	Gloucester radio material	918
351394	9/26	Rad. Sta. NY	Virgin Islands/ radio apparatus	834
352031	9/26	Rad. Sta. NY	St. Augustine radio apparatus	834
351393	9/26	Rad. Sta. NY	Pensa radio apparatus	827
352614	9-27	MINE SWEEPERS Wash	Inspr Morris Heights radio apparatus	11-S-6
352504	9-27	NY	Peham Bay radio apparatus	707
352632	9-28	Wash	City College Wash ditto	707
352503	9-27	Pauillac Wash	France-- radio apparatus- W-	736-9
345752	9-28	ditto NY	France ditto W	736-9
353185	9-28	ARIZONA NY	CO radio apparatus	529-6
352639	9-28	NEW MEXICO NY	CO radio apparatus	554-6
352058	9-28	radio sta NY	Norf radio apparatus	902
352039	9-27	radio sta Wash	N Lond radio apparatus	876
352634	9-28	radio appar Wash	N Lond radio apparatus	876

RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
352631	9-28	radio sta	Wash	Phila	radio apparatus	898
352638	9-28	radio sta	Wash	Pg Sound	ditto	898
352505	9-26	Miami	NY	Miami	radio apparatus- W-	793-5
353184	9-28	Corfu Via FALL CITY-		Greece	material listed- W	787-1
352618	9-30	MINE SWEEPERS	Wash	Inspr Balto	radio apparatus	47-S-6
352617	9-30	MINE SWEEPERS	Wash	Inspr Staten Is.	ditto	43-S-6
352615	9-30	MINE SWEEPERS	Wash	Inspr Alabama	ditto	34-S-6
352620	9-30	TBDS	Wash	Inspr NYS	ditto	157-Q-6
352500	9-30	Rockaway	GE	Rockaway	radio apparatus- W	736-39
553424	9-30	ditto	Inspcr Mass -	ditto	ditto W-	736-39
351915	9-30	ditto	Phila	ditto	ditto W-	736-39
351916	9-30	ditto	Wash	ditto	ditto W	736-39
351917	9-30	ditto	NY	ditto	ditto W-	736-39
353188	9-28	MICHIGAN	NY	CO	ditto	286-6
353191	9-30	SUPPLY	Norf	CO	ditto	422-6
353689	9-30	VERMONT	NY	CO	ditto	456-6
352796	9-28	radio sta	Wash	Beaufort	ditto	800
353190	9-30	radio sta	Inspr Boston	Curtis	ditto	918
353192	9-30	ditto	ditto	Greenwich RI	ditto	918
353193	9-30	ditto	ditto	Elizabeth NJ	ditto	918
353194	9-30	ditto	ditto	college Pt NY	ditto	918
353423	9-30	didto	ditto	Hampton Roads	ditto	918
353426	9-30	ditto	~~ditto~~ Inspr Broo	Phila	ditto	918
353427	9-30	ditto	~~ditto~~ Inspr Ge	Phila	ditto	918
353793	10-1	ATLANTIC	NY	ATLANTIC	radio apparatus- W	48-771

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
375090	9-19	SUBMARINES	Wash	O-6	radio apparatus	574-6
375089	9-19	ditto	Wash	O-4	ditto	574-6
357088	9-19	ditto	Wash	O-5	ditto	574-6
319924	9/20	B. of Stand.	Wash	Wash	ditto	882-1
315037	9/19	CHICAGO	Phila.	CO	ditto	876
315037	9/19	Chicago	NY	CO	ditto	876
349881	9-19	NOTS Ships-	NY	Cardiff Wales-	radio apparatus- W	771
349881	9-19	NOTS ships	Phila	ditto	ditto W-	771
349650	9-19	Chatham	NY	Chatham	ditto W-	736-33
314155	9-21	SUBMARINE CHASER	Wash	Sims	ditto	1-Z-7
336510	9-21	SUBMARINE CHASER	Boston	Key West	ditto	1-Z-6
336510	9-21	ditto	Wash	Key West	ditto	1-Z-6
336510	9-21	ditto	Phila	Key West	ditto	1-Z-6
350647	9/21	general store	Brook	Gloucester	ditto	918
342929	9/21	Queenstown	Wash	Sims	ditto	902
315307	9/21	CHICAGO	Wash	CO	ditto	876
350644	9-21	Base 25	Wash	Base 25-	radio apparatus- W-	787-1
350645	9-21	American Consul Liverpool-	Wash ~~to~~	Eng -	radio apparatus- W-	787-1
350093	9-21	Radio School-	NY	Pensa-	radio apparatus- W-	736-38
349294	9-20	ditto	Wash	Pensacola ~~Chatham-~~	ditto W-	736-33
350097	9-20	ditto	Phila-	Pnesa	ditto W-	736-33
350655	9-23	CRAVEN	NY	Norf	radio apparatus	578-6
351383	9-24	CONNOR	Wash	CO	ditto	580-6
350652	9-23	TBDS	Wash	USS STEVENS	ditto	86-Q-6
350653	9-23	TBDS	Wash	USS TAYLOR	ditto	94-Q-6

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Number.	Date.	From or To—		Subject.		
351381	9-24	TBDS	Wash	USS WATERS	radio apparatus	115-Q-6
336510	9-21	SUB CHASERS	NY	Key West	ditto	1-Z-6
350654	9-23	Pensa	Phila-	Pensa- radio apparatus- W-		736-38
319436	9-24	MELVILLE	NY	MELVILEE radio apparatus- W		787-1
343387	9-23	Hamp Rds-	Wash	Hamp Rds material listed- W-		736-34
351378	9-24	Pauillac -Airc Store		Gloucester- Phila- radio apparatus- W-		736-9
350658	9/24	stock	Wash	NY	radio apparatus	898
352034	9-25	TBDS	Wash	Inpr Cramps	radio apparatus	142-Q-6
352033	9-25	TBDS	Wash	Inspr FR	radio apparatus	162-Q-6
351901	9-25	SUBMARINE CHASER	Wash	Plymouth, Eng	radio apparatus	1-Z-6
351060	9-25	NEVADA	NY	CO	radio apparatus	133-6
351389	9-25	OKLAHOMA	NY	CO	radio apparatus	522-6
350098	9/24	Aircraft	NY	Gloucester	radio material	918
351379	9/24	West.Elec.Co.	Wash	NY	radio apparatus	902
315037	9/20	CHICAGO	Boston	CO	radio apparatus	876
351069	9/23	Air Sta.	Phila	Radio	radio apparatus	841
351380	9/24	Air Sta.	NY	Sand Diego	radio apparatus	830
351909	9-25	San Diego-	Inspcr Brook-	San Diego-	ditto- W-	736-40
351913	9-25	Brest	NY	France-	ditto- W-	787-5
351913	9-25	Brest	Wash	France-	ditto- W-	787-5
351899	9-25	Rockaway	Inspcr Brook-	Rockaway-	ditto- W-	736-39
351900	9-25	Montauk	Inspcr Brook-	Montauk-	ditto- W-	736-37
350580	9-23	Chatham	Brook			
351898	9-25	Chatham	Inspcr Brook-	Chatham-	radio apparatus- W	736-33
352037	9-26	TBDS	Wash	Inspr Beth	radio apparatus	263-Q-6

RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—	Subject.	
348016	9-17	JEANETTE SKINNER- Wash	- JEANETTE SKINNER- radio apparatus- W-	706-771
349176	9-17	NOTS- Wash	Montreal - radio apparatus - W-	771
343394	9-17	Miami Wash	Miami- ditto W-	736-36
343393	9-17	Key West Wash	Key West ditto - W	736-35
322198	9-17	Wash	Sig Corps A.E.F. radio app as listed	727
348744	9/17	Paulliac Wash	Phila radio apparatus	919
349291	9/18	stock Brook	Gloucester ditto	918
348355	9/17	vessels NL	NY radio material	902
348740	9/17	Nav.Base NY	Brest,France radio apparatus	902
343395	9/16	Laboratory WAsh	Phila radio apparatus	898
348737	9/17	Rad.sta. Wash	Montauk Pt. ditto	864
343433	9/17	Canal Zone NY	Canal Zone ditto	850
343391	9-17	TBDS Wash	USS DYER ditto	84-Q-6
349288	9-18	TBDS Wash	Inspr Cramps ditto	147-Q-6
349289	9-18	TBDS NY	Inspr Cramps ditto	147-Q-6
349290	9-18	TBDS Boston	Inspr Cramps ditto	147-Q-6
348402	9-17	MINE SWEEPERS NY	Inspr Staten Is ditto	43-S-6
348735	9-17	MINE SWEEPERS NY	Inspr Balto ditto	47-S-6
348736	9-17	MINE SWEEPERS NY	Phila ditto	51-S-6
349292	9-18	NORTH DAKOTA Wash	CO ditto	321-6
349297	9-18	PATTERSON Wash	Phila ditto	335-6
349035	9-18	VIRGINIA Wash	CO ditto	465-6
349293	9-18	ARIZONA Wash	CO ditto	529-6
319080	9-18	C.G.C.32 and 34 NY	Dubuque Boat Co ditto	704

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.	
349280	9-18	Queenstown	NY	Queenstown - radio apparatus- W-	787-1
349281	9-18	Plymouth	NY	Eng ditto W-	787-1
349283	9-18	Azores	NY	Azores ditto W-	787-1
349284	9-18	Pauillac	NY	France- ditto W-	787-1
349285	9-18	Corfu	NY	Greece ditto W-	787-1
349650	9-18	LAKE TRAVERSE	NY	LAKE TRAVERSE ditto W-	771
349294	9-18	Chatham	Wash	Chatham ditto W-	736-33
349295	9-18	Chatham	Phila	Chatham ditto W-	736-33
349649	9/18	Rad.Com.Sta.	Wash	Appledore Is,Me. rad.apparatus	919
349397	9/19	Lafayette Rad.Sta.	Annapolis Phila	rad.apparatus	920
349298	9/19	Phila	Wash	Phila rad.apparatus	919
349649	9/18	Rad.Compass Sta.	Wash	Appledore Is. ditto	919
350076	9/19	Mazer Acoustile Co.	Wash	Pitts. ditto	918
349651	9/19	Rad. Sta.	Wash	Phila ditto	828
349654	9-19	NEDERLANDEN	Wash	NEDERLANDEN Radio apparatus- W-	409-771
348485	9-19	BLACK HAWK	Wash	BLACK HAWK ditto W-	61-771
349881	9-19	Cardiff	Wash	Wales ditto W-	771
349881	9-19	ditto	Bost	Wales ditto W-	771
349658	9-19	San Diego	Wash	San Diego- ditto W-	736-40
350074	9-19	Cape May	Wash	Cape May ditto W-	736-32
349772	9-20	CINCINNATI	Wash	CO radio apparatus	161-6
350639	9-20	SUBMARINE	Wash	O-10 ditto	575-6
375092	9-20	ditto	Wash	O-9 ditto	574-6
357091	9-19	ditto	Wash	O-7 ditto	574-6

Number.	Date.	From or To—		Subject.		
345662	9-13	PANTHER	Wash	C-1	radio apparatus	332-6
345668	9-13	SUBMARINE	Wash	F-1	radio receiver	149-6
345665	9-13	ditto	Wash	C-4	radio apparatus	140-6
345669	9-13	ditto	Wash	F-2	radio receiver	128-6
347840	9-13	MINE SWEEPERS	NY	Inspr Morris Heights,	radio apparatus	27-S-2
347334	9-13	ditto	NY	Inspr Chester	ditto	15-S-6
347333	9-13	ditto	NY	Inspr Phila	ditto	11-S-6
347485	9-13	TBDS	Boston	Inspr NN	ditto	181-Q-6
347566	9-13	ditto	Wash	Inspr NN	ditto	181-Q-6
347336	9-13	ditto	Wash	Inspr Cramps	ditto	143-Q-6
345922	9-13	Cardiff Phila		Walles-	ditto W-	787-1
347399	9-13	Pauillac Inspcr	Brook	Phila-	ditto- W-	736-9
347570	9-13	ditto	Wash	Pauillac	ditto W-	736-9
347332	9/13	stock	Phila	Boston	ditto	919
346471	9/11	Rad. Compass sta.	Wash	Montoloking	ditto	919
346470	9/12	Aircraft	Brook	Great Lakes	ditto	918
347343	9/13	G.E.Co.	Brook	GE CO/	ditto	918
347342	9/13	Inter.R.T.Co.	Brook	Inter.R.T.Co.	ditto	918
347842	9/13	vessels	Wash	Norf	ditto	898
347564	9/13	Rad.Sta.So.Bldg	Wash	Wash	ditto	841
347856	9/13	Rad. Sta.	Wash.	Fire Is.	ditto	812
347839	9/13	Rad. Sta.	Wash.	Olongapo	ditto	826
347850	9-14	TBDS	NY	Inspr Bethlehem	ditto	263-Q-6
347240	9-14	Cape May	Brook	Cape May-	ra io apparatus- W	736-32

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—	Subject.	
347841	9-13	NY	Cambridge Mass radio app as listed	707
347341	9/14	Air Sta. Gloucester	Cape May rad. apparatus	918
347852	9/14	Rad.Sta. NY	Virgin Is. ditto	863
348401	9-16	MINE SWEEPERS NY	Inspr Todd, radio apparatus	37-S-6
347083	9-16	VON STEUBEN Wash	CO radio apparatus	90-X-6
319391	9-16	SUBMARINE NY	Key West radio equipment	1-Z-6
346518	9-16	PERKINS Wash	CO radio apparatus	346-6
347987	9-16	WYOMING Wash	CO radio apparatus	488-6
346695	9-16	BRIDGE Wash	CO radio apparatus	533-6
347032	9-16	Sims NY	London- radio apparatus- W	787-1
343302	9-16	Pensa Wash	Pensa- ditto W-	736-38
343657	9/16	Bri.signal School Wash	Sims ditto	898
344028	9/16	Newport NY	Newport ditto	902
343386	9/16	Balboa NY	Balboa ditto	850
349278	9-17	SUBMARINES Wash	Inspr Lake radio apparatus	92-O-6
343389	9-16	TBDS Wash	USS GREGORY radio apparatus	82-Q-6
347868	9-17	KITTERY Wash	NY ditto	30X-6
348746	9-17	MELVILLE Wash	CO ditto	510-6
348751	9-17	MELVILLE NY	CO ditto	510-6
348739	9-17	MISSISSIPPI Wash	CO ditto	562-6
348765	9-17	KURSK (British)- Wash-	Kursk- radio apparatus- W-	793- 8
349279	9-17	Gibraltar NY	Gibraltar - ditto W-	787-1
345922	9-17	Sims Wash	London ditto W	787-1

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
346457	9-11	radio compas sta	Wash	Coast Guard Sta 150	radio app for	704
464458	9-11	ditto	Wash	C.G.Sta53Brenton Pr RI	ditto	704
346460	9-11	ditto	Wash	C.G.Sta 8 Damis Cove Is ME	ditto	704
346461	9-11	ditto	Wash	C.G.Sta 14 Appledone Is Me	ditto	704
346823	9/11	Rad.Com.Sta.	Wash	St.Georges	ditto	919
346472	9/11	ditto	Wash	SmythsPt.Cross Is,Me.	ditto	919
344040	9/10	Wash	Schenectedy	Wash	ditto	918
342510	9/10	Wash	Wash	Wash	ditto	918
347331	9-12	TBDS	NY	Inspr Cramps	radio equipment	143-Q-6
347324	9-12	TBDS	NY	Inspr NYS	radio phone equip	158-Q-6
347340	9-12	TBDS	NY	Inspr NYS	radio phone equip	158-Q-6
347338	9-12	TBDS	NY	Inspr NN	radio apparatus	181-Q-6
345674	9-12	Submarines	Wash	K-1	radio apparatus	421-6
345678	9-12	Submarines	Wash	K-2	radio apparatus	421-6
345689	9-12	Submarines	Wash	K-3	radio receiver	421-6
346156	9-12	Submarines	Wash	K-5	radio apparatus	505-6
346158	9-12	Submarines	Wash	K-7	radio receiver	505-6
346459	9-12	radio compass Sta	Wash	C.G.Sta46	radio material for	704
345179	9-12	Pauillac	Inspcr Mass	-Phila-	radio apparatus- W	736-9
345752	9-12	Queenstown	NY	Queenstown	ditto W-	736-9
346828	9-12	Pauillac	Phila	Pauillac	ditto W-	736-9
344822	9-12	Cardiff	Wash	Wales	ditto W-	787-1
344822	9-12	Cardiff	NY	Wales	ditto W-	787-1
344500	9-12	Chatham	Inspcr Brook-	Chatham	ditto We	736-33
346919	9/12	Rad.Sta.	NY	Canal Zone	ditto	851

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
347568	9-13	SUBMARINES	Wash	O-13	Radio Receiver	590-6
346170	9-13	ditto	Wash	O-2	ditto	589-6
346169	9-13	ditto	Wash	O-1	ditto	588-6
345688	9-13	ditto	Wash	Inspr FR	ditto	586-6
347567	9-13	ditto	Wash	O-8	radio apparatus	574-6
345681	9-13	ditto	Wash	G-3	ditto	559-6
347329	9-13	ditto	Wash	L-9	ditto	528-6
347330	9-13	ditto	Wash	L-11	ditto	528-6
347844	9-13	ditto	Wash	L-10	ditto	528-6
346920	9-13	ditto	Wash	L-1	ditto	514-6
347326	9-13	ditto	Wash	L-2	ditto	514-6
347327	9-13	ditto	Wash	L-3	ditto	514-6
347328	9-13	Ditto	Wash	L-4	ditto	514-6
346157	9-12	ditto	Wash	K-6	radio receiver	505-6
345682	9-13	ditto	Wash	G-4	radio apparatus	463-6
345680	9-13	ditto	Wash	F-4	radio receiver	452-6
345664	9-13	ditto	Wash	C-3	radio apparatus	429-6
345880	9-13	TACOMA	Wash	G-2	ditto	425-6
345683	9-13	SUBMARINES	Wash	H-3	ditto	420-6
345663	9-13	ditto	Wash	C-2	ditto	415-6
345666	9-13	ditto	Wash	C-5	ditto	403-6
345667	9-13	ditto	Wash	E-1	radio receiver	401-6
327497	9-13	ST LOUIS	Wash	Boston	radio parts	383-6
345672	9-13	SUBMARINE	Wash	F-3	radio receiver	351-6

RADIO SHIPMENT REQUEST.

Number.	Date.	From or To—		Subject.		
344601	9/6	Rec'g. Sta.	Wash	London	radio apparatus	920
337794	9/6	Airsta.	Brook.	Rockaway	ditto	918
344498	9/6	B. of Stand.	Wash	Wash	ditto	916
344028	9/6	Repairs	NY	Navy Yds.	ditto	902
344028	9/6	London Office	Wash	London Office	ditto	902
345182	9/6	ships	Phila	Phila	ditto	876
345183	9/6	ships	Phila	NY	ditto	876
345184	9/6	Rad.Test shop	Phila	Wash	ditto	876
345185	9/6	Rad. Rec'g.Sta.	Phila	Wash	ditto	876
316453	9/6	Dir.Gen'l.	Wash	Havana	ditto	898
344499	9-6	Rio De Janeiro-Inspcr		Brook- Brazil- radio apparatus- W		
345177	9-6	Sims	Wash	Sims- wave meters- W		787-1
344045	9/7	Rad. Sta.	Mare Is.	Tutuila	radio apparatus	846
344481	9/7	Tutuila	NY	Mare Is/	radio apparatus	846
344488	9/7	Tutuila	Norf	Mare Is.	radio apparatus	846
343429	9-7	LV34	NY	Chasn	1/2 KW transmitter for	678
345164	9-7	LV 20	NY	Bost	1 120 volt 80 ampere hr storage battery and one Delco engine with spares	678
345191	9-7	LV 51	Wash	Thompkinsville S1	radio receiver for	678
345484	9-7	LV20	Wash	Cro s Rip	radio app for	678
345685	9-9	Coco Solo	Wash	Coco Solo	radio apparatus W-	736-41
345488	9-9	Miami	Wash	Mimai	ditto W	736-36
345489	9-9	Cape May	Wash	Cape May	ditto W	736-32
345496	9-9	Sims	NY	Sims- radio apparatus W		787-1

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RADIO SHIPMENT REQUEST.

Number.	Date.	From or To—		Subject.		
340537	9/9	Sperry G.Co.	Rockaway	Sperry Co.	radio apparatus	918
308537	9/9	Merchant vessels	Phila	Chasn	radio material	911
345502	9/9	TBDs	NY	Boston	radio material	906
345586	9/9	Batt.Force 1.	Wash	CO	radio apparatus	876
345503	9/9	rad. sta.	Wash	Jupiter	radio material	816
345323	9-10	MINE SWEEPERS	NY	Inspr Alabama	radio apparatus	34-S-6
345493	9-10	Coco Solo-	Wash	Coco Solo-	radio apparatus- W	736-41
345494	9-10	San Diego	Wash	San Diego-	ditto W-	736-40
345492	9-10	Rockaway	Wash	Rockaway-	ditto W-	736-39
345495	9-10	Pensa	Wash	Pensa	ditto W-	736-38
345491	9-10	Montauk	Wash	Montauk	ditto W-	736-37
345490	9-10	Chatham	Wash	Chatham	ditto W-	736-33
345175	9/10	Lafayette Rad sta	Wash	Phila	radio material	920
345467	9/10	B. of Stand.	Boston	Wash	radio apparatus	882-3
345675	9/10	rad.stations	NY	15th Dist	radio material	850
346473	9/10	rad. stations	Boston	15th Dist.	radio material	850
345677	9-10	Nav Radio Sch	Wash	NY	two 2step amplifiers	707
346166	9-10		Wash	Coast Guard Sta 53 audion control box for		704
346456	9-10	radio compass sta	Wash	C.G.Sta 161	radio app for	
355169	9-11	VON STEUBEN	Wash	NY	radio set	90-X-6
346916	9-11	YANKTON	Wash	CO	radio apparatus	490-6
346824	9-11	Rockway	Wash	Rockaway	ditto- W-	736-39
346822	9-11	Montauk	Wash	Montauk	ditto W	736-37
346825	9-11	Cape May	Wash	Cape May	ditto W-	736-32

RADIO SHIPMENT REQUEST ~~DUPLICATE~~

Number.	Date.	From or To—	Subject.	
341232	8-30	CHICAGO Wash	CO radio receivers	158-6
341887	8-30	SUBMARINES NY	USS RAINBOW radio apparatus	497
341888	8-30	SUBMARINES NY	USS BEAVER radio apparatus	497
342509	9-3	Halifax Phila	N S radio material W	736-45
342510	9-3	Cape Breton -Phila	NS- ditto W	736-45
340855	9-3	Pensa Phila	Pensa- radio material- W	736-38
343353	9-3	Pensa Wash	Pensa- ditto W	736-38
343400	9-4	TBDS NY	Boston radio apparatus	162Q6
343399	9-4	TBDS Wash	Inspr FR radio apparatus	162-Q-6
343398	9-4	TBDS NY	M Is radio apparatus	296-Q-6
343397	9-4	TBDS Wash	M Is radio apparatus	296-Q-6
340036	9-4	FULTON Wash	CO radio apparatus	498-6
344039	9/4	Akron Brook.	CO radio apparatus	918
342797	9/4	Ind.Hd.Pro.Gds. Wash	Ind.Hd.Pro.Gds. radio material	856
343433	9/3	Rad.sta. NY	15th Dist. radio material	850
344028	9-4	Miami Wash	Miami- short wave receiver- W	736-36
344029	9-4	Key West Wash	Key West ditto W	736-35
344047	9-4	Hamp Rds Wash	Hamp Rds radio apparatus W	736-34
344030	9-4	Cape May Wash	Cape May short wave receiver- W	736-32
344031	9-4	Hamp Rds Wash	Hamp Rds ditto W	736-32
343395	9-4	Queenstown Wash	stations Ireland- W radio apparatus	736-9
343396	9-4	Stations-France-Wash	Pauillac ditto W	736-9
343522	9-4 VOID	DORESY-LEE Norf	Bost engines for	611-2
343723	9-4 VOID	OOLSEY-EVANS Norf	Bost ditto	611-2

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RADIO SHIPMENT REQUEST 1918

Number.	Date.	From or To—		Subject.		
344825	9-6	TBDS	Wash	USS LUCE	radio apparatus	99-Q-6
344485	9-5	OLYMPIA	Norf	CO	radio apparatus	324-6
344487	9/5	rad. station	Wash	Annapolis	radio apparatus	92o
344484	9/5	Paulliac	Gloucester	Paulliac	radio material	918
337806	9/3	Aircraft	Schenectedy	Norf.	radio apparatus	918
344028	9/5	vessels	NY	Boston	radio apparatus	902
344028	9/5	vessels	NY	Ports.	radio apparatus	902
344490	9/5	stock	Brook	NY	radio material	876
344491	9/5	rad.test shop	NY	Wash	radio material	876
344492	9/5	IDAHO	NY	Camden	radio material	876
344493	9/5	Const. Off.	Brook.	Phila.	radio apparatus	876
343389	9-5	LV34	Wahh	Chasn	radio receiver	678
~~344036~~	~~9-5~~	~~Coco Solo~~	~~Wash~~	~~Coco Solo- short wave radio receivers-W~~		736-41
344038	9-5	SanDiego	Wash	San Diego	ditto W-	736-40
344033	9-5	Rockaway	Wash	Rockaway	ditto W	736-39
344032	9-5	Pensa	Wash	Pensa	ditto W	736-38
344034	9-5	Montauk	Wash	Montauk	ditto W	736-37
344027	9-5	P uillac	Wash	Pauillac	radio apparatus W	736-9
344027	9-5	Pauillac	Wash	France	ditto W	736-9
340697	9-4	ditto	Norf	ditto	ditto W	736-9
344035	9-5	Chatham	Wash	Chtahm	short wave receivers- W	736-33
345187	9-6	MERCURY	Wash	CO	radio apparatus	41-X-6
345186	9-6	IDAHO	Phila	Inspr NYS	radio apparatus	563-6

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Number.	Date.	From or To—		Subject.		
340332	8-28	KWASIND	Wash	CO	radio receiver	1233SP
341893	8-28	NEVADA	Wash	CO	radio apparatus	133-6
341891	8-28	UTAH	Wash	CO	radio apparatus	455-6
341890	8-28	OKLAHOMA	Wash	CO	radio apparatus	522-6
342020	8/29	Rad. Test Shop	Phila	Wash	radio apparatus	919
340874	8-28	Pensa	Inspcr Brook	Pensa	ditto- W	736-38
341491	8-28	Pensa	Inspcr Mass	Pensa	ditto -W	736-38
341492	8-28	Air Sta-Ireland-Inspcr		Brook- Queenstown-	ditto -W	736-9
341493	8-28	ditto	Inspcr	GE- ditto	ditto -W	736-9
341866	8-28	Har radio school	Norf	Cambridge Mass	ditto for	707
335405	8/29	Radio School	NY	Cambridge	ditto	876
342454	8/29	Rad. Sta.	Wash	New Brunswick	ditto	920-7
305550	8/29	Brest	NY	Brest	ditto	920
341497	8-29		Wash	Little Silver NJ	One 2-step amplifier	727
343429	8-31	LV 34	NY	Chasn	one radio transmitter 120 volt	678
343429	8-31	LV 34	Norf	Chasn	one 120 volt 80 ampere hr storage battery	678
342147	8-29	SUBMARINE	Wash	N Lond	radio set	1-Z-6
295042	8-30	SUBMARINE	Inspr	FR Boston	radio telegraph	586-6
295042	8-31	SUBMARINE	Inspr	Lake NY	radio sets	586-6
342513	8-30	SUBMARINE	NY	Inspr Lake	radio sets	98-0-6
342512	8-30	SUBMARINE	NY	Inspr FR	radio set	78-0-6
342654	8/30	Rad. Sta.	Phila	New Brunswick	rad. apparatus	920-7
340889	9/3	NY	Wash	NY	rad. apparatus	916-1

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Number.	Date.	From or To—	Subject.	

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[OVER.]

RADIO SHIPT. REQUESTS.

Number.	Date.	From or To—		Subject.		
337798	8/21	Air Station	Boston	Rockaway	radio apparatus	918
337799	8/21	Aircraft	Boston	Montauk Pt.	radio apparatus	918
337802	8/21	Aircraft	Brook.	Montauk Pt.	ditto	918
337803	8/21	Aircraft	Wash	Montauk Pt.	ditto	918
337804	8/21	Aircraft	Brook.	Cape May	ditto	918
337805	8/21	Aircraft	Wash	Cape May	ditto	918
339539	8/21	Rad.Compass Sta.	Wash	Fire Island	radio material	812
338110	8-20	MISSISSIPPI	Phila	CO	radio apparatus	562-6
338628	8-20	NEW JERSEY	Phila	CO	radio apparatus	313-6
338109	8-21	ARIZONA	Phila	CO	radio apparatus	529-6
338108	8-20	PENNSYLVANIA	Phila	CO	radio apparatus	130-6
338111	8-21	NEW MEXICO	Phila	CO	radio apparatus	554-6
339541	8-22	SOUTH CAROLINA	Phila	CO	radio apparatus	407-6
339542	8-22	NEW HAMPSHIRE	Phila	CO	radio apparatus	312-6
339545	8-22	MINNESOTA	Phila	CO	radio apparatus	290-6
339540	8-22	MICHIGAN	Phila	CO	radio apparatus	286-6
339543	8-22	KANSAS	Phila	CO	radio apparatus	255-6
339544	8-22	CONNECTICUT	Phila	CO	radio apparatus	169-6
337491	8-22	NEVADA	Phila	USS UTAH	radio apparatus	133-6
339547	8/22	Rad. Laboratory	Wash	NY	radio apparatus	916- 1
339538	8/22	Rad.Trans.Sta.	Wash	PS	radio apparatus	833
339552	8-22	Pauillac	NY	France- 11 radio stations- material-W-		736-9
339546	8-22	VERMONT	Phila	CO	radio apparatus	456-6
339704	8/23	Canal Zone	Wash	Canal Zone	radio apparatus	861
339157	8-24	GEORGE WASHINGTON	Wash	CO	radio apparatus	23-X-6

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RADIO SHIPMT REQTS

Number.	Date.	From or To—		Subject.	
338839	8-24	Harv Radio	P hila	Cambridge radio app for	707
339417	8/23	Rad.Lab.	Wash	Wash radio apparatus	916
316985	8/26	Brest	Wash	Brest radio apparatus	898
340095	8/24	Exp.Sta.	Boston	NL radio apparatus	882-1
337191	8/24	Nav.Opera.	Wash	Wash radio apparatus	840
340092	8-23	Queenstwon	NY	Ireland radio apparatus W	787-5
340090	8-24	Brest	NY	France ditto W	787-3
340153	8-24	Queenstown	Wash	Ireland ditto W	787-3
340093	8-24	Gibraltar	NY	Gibraltar ditto W	787-1
340094	8-24	Pauillac	NY	France- Radio stations radio appratus- W	736-9
340074	8-26	Queenstown	NY	Ireland radio apparatus W	787-3
340091	8-26	Base 18	NY	Base 18- ditto W	787-1
340877	8-26	Pensa	Wash	Pensa- ditto W	736-38
341016	8/26	Radio stations	Wash	Rad.stations. radio apparatus	898
316985	8/26	Gibraltar	Wash	Gibraltar ditto	898
340880	8-27	SUBMARINES	Wash	USS O-1 radio	588-6
341573	8-27	MISSISSIPPI	Wash	CO radio apparatus	562-6
340879	8-27	TBDS	Wash	CO radio apparatus	113-Q-6
341016	8/27	Rad. Stations	Wash	Radio stations radio apparatus	898
341571	8/27	Rad.Laboratory	Wash	Phila. radio apparatus	916-5
339529	8-26	Radio School	Wash	Cambridge ditto	707
339690	8-23	Queenstown	NY	Ire radio apparatus W	736-9

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RADIO SHIPMENT REQUEST DUPLICATE

Number.	Date.	From or To—		Subject.		
336484	8-15	TBDS	Wash	USS LITTLE	radio apparatus	79-Q-6
336485	8-15	TBDS	Wash	USS KIMBERLY	radio apparatus	80-Q-6
336487	8-15	TBDS	Wash	USS COLHOUN	radio apparatus	85-Q-6
336486	8-15	TBDS	Wash	USS TALBOT	radio apparatus	114-Q-6
332925	8-15	TBDS	Phila	Inspr NN	radio material	119-Q-6
336498	8-14	SUBMARINE CHASERS	Phila	Plymouth	radio apparatus	1-Z-6
337045	8-15	SUBMARINE CHASERS	Boston	Plymouth	radio material	1-Z-6
337048	8-15	SUBMARINE CHASERS	Wash	Plymouth	radio apparatus	1-Z-6
336556	8-15	NEVADA	Wash	CO	radio amplifiers	133-6
337473	8-15		Wash	C.G.CUTTER GREAHAM	radio app for	707
337052	8-15	Pensa	Inspcr Cleveland-	Pensa	radio apparatus W (school)	736
337053	8-15	Pensa	ditto	Pensa	ditto W (Aircraft)	736
337479	8/15	Air Station	Wash	Norf	radio apparatus	918
336487	8/15	Ohio Ins. Co.	Wash	Ohio Ins. Co.	ditto	911
337472	8/15	Montauk Pt.	NY	Montauk	ditto	882-1
335922	8/15	Rad. Station	Boston	Great Lakes	radio material (cable)	854
334196	8/15	Rad. Station	Wash	Boston	radio apparatus	843
334137	8/15	Rad. Station	Wash	Ports.	radio apparatus	832
337791	8-16	Gibraltar	Wash	Gibraltar	ditto W	787-1
337801	8-16	ditto	Phila	ditto	ditto W	787-1
337793	8-16		Bost	Gibraltar Spain	radio app for	707-1
336337	8-17	SUBMARINE CHASER	Wash	USS SALEM	radio apparatus	1-Z-6
337051	8-17	SUBMARINE CHASER	NY	Plymouth Eng,	radio apparatus	1-Z-6
337491	8-17	NEVADA	Phila	USS UTAH	radio apparatus	133-6

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
337474	8-17	DE LONG	Wash	CO	radio apparatus	183-6
337475	8-17	SALMON	Wash	D-3	radio apparatus	385-6
337054	8/17	Air Station	Clev	Rockaway	radio material	918
337057	8/17	Aircraft	Clev	Good Year F.Field,O.	radio material	918
337485	8/17	Aircraft School	Brook	Pensa	radio apparatus	918
337794	8/17	Aircraft	Brook	Rockaway	radio apparatus	918
338132	8/17	B.of Stand/	Wash	Wash	radio apparatus	918
237140	8-17	C.G.Acad	NY	N Lon	radio app for	704
338101	8-17	Corfu	NY	Greece	radio apparatus W	787-5
338102	8-17	ditto	Wash	Greece	ditto W	787-5
337809	8-16	Gibraltar	NY	Gibraltar	ditto W	787-1
337476	8-19	UTAH	Phila	CO	radio apparatus	455-6
336377	8-19	SUB CHASERS	Boston	Inspr Ford	radio keys	2-Z-6
338113	8-19 727	School	Norf	Harvard Radio School	radio app for	727
337486	8/19	Air Sta.	Wash	Pensa.	radio apparatus	918
337487	8/19	Airc.School	Boston	Pensa.	ditto	918
337488	8/19	Aircraft	Boston	Key West	ditto	918
337489	8/19	Aircraft	Boston	Miami	ditto	918
337490	8/19	Aircraft	Boston	Pensa.	ditto	918
337795	8/19	Aircraft	Wash	Rockaway	ditto	918
337797	8/19	Air Station	Boston	Norf.	ditto	918
337797	8/19	Air.Sta.	Boston	Cape May	ditto	918
329254	8/19	LOUISIANA	Phila.	LOUISIANA	ditto	898
338116	8-16	Key West	Brook	Key West		

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Number.	Date.	From or To—		Subject.		
333224	8-8	ANNAPOLIS	Wash	CO	radio apparatus	117-6
334221	8-8	NEVADA	Phila	CO	ditto	133-6
332857	8-8	UTAH	Wash	CO	ditto	455-6
334223	8-8	OKLAHOMA	Wash	CO	ditto	522-6
334222	8-8	NEW MEXICO	Wash	CO	ditto	554-6
334204	8-7	Cape May	Inspcr Brook	-Cape May-	ditto W	736-32
334563	8-8	ditto	ditto	ditto	ditto W	736-32
334202	8-7	Chatham	ditto	Chatham	ditto W	736-33
334560	8-8	ditto	ditto	dditto	ditto W	736-33
334564	8-8	Hamp Rds	ditto	Hamp Rds	ditto W	736-34
334556	8-7	ditto	ditto	ditto	ditto W	736-34
334566	8-8	Key West	ditto	Key West	ditto W	736-35
334570	8-8	ditto	ditto	ditto	ditto W	736-35
334567	8-8	Miami	ditto	Miami	ditto W	736-36
334568	8-8	ditto	ditto	ditto	ditto W	736-36
334203	8-7	Montauk	ditto	Montauk	ditto W	736-37
334557	8-8	ditto	ditto	ditto	ditto W	736-37
334561	8-8	ditto	ditto	ditto	ditto W	736-37
334565	8-8	Pensa	ditto	Pensa	ditto W	736-38
334569	8-8	ditto	ditto	ditto	ditto W	736-38
334205	8-7	Rockaway	ditto	Rockaway	ditto W	736-39
334562	8-8	ditto	ditto	ditto	ditto W	736-39
334740	8/8	Rad.Rec.Room	Wash	Wash	ditto	898
308904	8/8	vessels	Wash	Norf.	ditto	898

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
334578	8/8	Rad. Station	Wash	Bar Harbor	radio apparatus	864
334298	8/8	Rad. Station	Wash	Pearl Harbor	radio apparatus	852
334220	8/8	Rad. Station	Wash	Guam	radio apparatus	813
333548	8/7	Coast Gd. Cutters	Phila	Gibraltar	radio apparatus	704
330515	8-8	Coast Geod. Steamer- FATHOMER- Mare Island -Manilla- radio material- W-				727
333463	8-8	Corfu	NY	Greece	radio apparatus W	787-5
333463	8-8	Corfu	Bost	Greece	ditto W	787-5
334562	8-8	Rockaway	Inspcr Brook	Rockaway	ditto W	736-39
334558	8-9	ditto	ditto	ditto	ditto W	736-39
334227	8-9	Hamp Rds	ditto	Hamp Rds	ditto W	736-34
334559	8-9	Cape May	ditto	Cape May	ditto W	736-32
292042	8-9	TBDS	NY	Inspr FR	radio apparatus	82-Q-6
335150	8-9	AMERICA	Wash	CO	Radio Apparatus	3-X-6
335169	8-9	VON STEUBEN	Norf	CO	radio apparatus	90-X-6
334507	8-9	ARKANSAS	Wash	CO	wave meter	121-6
335141	8-9	NEBRASKA	Wash	CO	radio apparatus	308-6
335437	8-10	ROAMER	Wash	CO	radio apparatus	1047SP
335142	8-10	LOUISIANA	Wash	CO	radio apparatus	268-6
335141	8/9	RALEIGH	Wash	CO	radio apparatus	368-6
335148	8/9	Sub.Base,Conn.	Boston	Sub.Base	radio apparatus	876
335148	8/9	ditto	Phila	ditto	ditto	876
335148	8/9	ditto	NY	ditto	ditto	876
335148	8/10	ditto	Wash	ditto	ditto	876
332279	8/5	Rad. Sta.	Wash	St.Augustine	ditto	834

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RADIO SHIPMENT REQTS

Number.	Date.	From or To—		Subject.		
335140	8-10	School	NY	Harvard Radio School radio app		707-6
333572	8-12	SEATTLE	NY	CO	radio set	474-6
335863	8-12	NEW MEXICO	Wash	CO	radio apparatus	554-6
336149	8-10	SUBMARINES	NY	N Lond	radio apparatus	574-6
333572	8-12	SEATTLE	Wash	CO	storage cells	474-6
330515	8-12		NY	SanFrancisco	radio appfor FATHOMER	727
334573	8-12	Pauillac	Phila	France	radio appratus W	736-9
332279	8/5	Rad. Station	Wash.	St. Augustine	radio apparatus	834
335146	8/9	stock	Wash	Mare Is/	radio apparatus	897-1
335140	8/9	Ensign B.Wash.	Wash	Boston	radio apparatus	898
335156	8/10	Roller-Smith Co.	Phila	Roller Smith Co.	radio apparatus	900
331819	8/12	Rad.Repair Base	NY	Gibraltar	radio apparatus	902
335395	?	Air Station	Wash	H.Rds.	radio apparatus	918
305288	7/31	Exp. Sta.	Wash	NL	radio apparatus	918
335404	8/10	Rad. Compass Sta.	Wash	Newport	radio apparatus	919
335397	8/10	Rad. Sta.	New Bruns.	Sayville	radio apparatus	920
323649	8-13	PETREL	NY	CO	radio apparatus	348-6
323649	8-13	PETREL	Wash	CO	radio apparatus	348-6
335864	8-12		Wash	Harvard Radio School	radio app for	707-6
319243	8/13	Coast Gd. Sta.	Phila	Damis Cove Is,Me.	rad. apparatus	919
334575	8/13	Rad. School	Brook	Pensa.	rad. apparatus	918
334575	8/13	Rad. School	Brook	Pensa	radio apparatus	918
334575	8/13	Rad. School	Wash	Rad. School	radio apparatus	918
334160	8/13	Air Station	NY	Jupiter	rad. apparatus	816

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—	Subject.	
333463	8-13	Corfu Bost	Greece radio apparatus W	787-5
334572	8-13	Cape Breton Inspcr Brook	Nova Scotia radio apparatus W	736-44
335870	8-13	Cape May Wash	Cape May ditto W	736-39
335871	8-13	Pensa (R) Inspcr Mass	Pensa ditto W	736-38
334228	8-13	Radio School Wash	Pensa ditto W	736-
336495	8-14	SUBMARINE N Lond	Plymouth, Eng, radio apparatus	1-Z-6
336491	8-14	TBDS N Y	Inspr NYS radio apparatus	125-Q-6
336490	8/13	Radio StationAnnapolis	Sayville radio material	920
335867	8/14	Radio Station NY	Newport radio material	822
335156	8/14	Roller-Smith Co Phila	Roller-Smith Co. radio apparatus	900
335865	8-12	Phila	Harvard Radio School radio app for	707-6
336496	8-14	Norf	ditto ditto	707
335704	8-o4	Halifax Inspcr Brook	Nova Scotia radio apparatus W	736-44

RADIO SHIPMENT REQUEST

DUPLICATE

Number.	Date.	From or To—		Subject.		
335879	7-30	TBD	Wash	Boston	radio apparatus	75-Q-6
330226	7-30	TBD	Wash	Inspr FR	ditto	95-Q-6
330227	7-30	TBD	Wash	Inspr Cramp's	ditto	116-Q-6
331014	7-30	TBD	Wash	Inspr NN	ditto	119-Q-6
331015	7-30	TBD	Wash	Inspr NYS	ditto	125-Q-6
328370	7-30	SIATIA	Wash	CO	ditto	543 SP
329537	7-30	SUBMARINE CHASER N Lond		Essington Shipbldg Co	Ditto	1-Z-6
325292	7-30	SUBMARINE CHASER Phila		CO	ditto	1-Z-21
331020	7-30	Pensa	Wash	Pensa	ditto W	736-38
330917	7/30	Rad. Repair Base	NL	Gibraltar	ditto	902
274361	7/30	Block Is.	Boston	2nd Dist.	ditto	864
330375	7/29	Rad. Sta.	Wash.	Pearl Harbor	ditto	852
303374	7/29	Rad. Sta.	Wash	Guam	ditto	813
330373	7/29	Rad. Sta.	Wash	Cavite	ditto	806
331041	7-31	SUBMARINE D-3	Wash	CO	ditto	365-6
335878	7-30	TBDS	Wash	M Is	ditto	71-Q-6
335877	7-30	TBDS	Wash	Norf	ditto	70-Q-6
331022	7/31	Rad. Sta.	Wash.	Guam	ditto	813
320389	7-31	Cape May	Norf	Cape May radio apparatus W		793-5
331040	7-31	Base 13	Wash	Base 13	ditto W	787-5
331042	7-31	RadionStation	Wash	Corfu Greece	ditto W	787-5
330387	7-30	Radio Div	Wash	Bu SE	ditto W	736-40
330383	7-31	Montauk	Inspcr Mass	Montauk	ditto W	736-37
330382	7-31	Chatham	ditto	Chatham	ditto W	736-33

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
331020	7-30	Pensa	Wash	Pensa	radio apparatus W	736-38
332506	8-1	SUBMARINES	Wash	CO	ditto	322-6
331048	8-1	SUBMARINES	Wash	CO	ditto	419-6
330390	8-1	MELVILLE	Wash	CO	ditto	510-6
331049	8/1	Rad. Sta.	Wash	Phila.	ditto	828
316383	8/1	Alaskan E.Com.	Wash	PS	ditto	898
331501	8-1	Base 18	Wash	Base 18	radio apparatus W	787-1
331501	8-1	ditto	Bost	ditto	ditto W	787-1
331501	8-1	ditto	NY	ditto	ditto W	787-1
330387	8-1	San Diego	Inspcr Brook	San Diego	ditto W	736-40
330384	7-31	Rockaway	Inspcr Mass	Rockaway	ditto W	736-39
330386	7-31	Hamp Rds	ditto	Hamp Rds	ditto W	736-34
330385	7-31	Cape May	ditto	Cape May	ditto W	736-32
332755	8-3	SAVANNAH	Wash	CO	ditto	80-X-6
332509	8-2	BONITA	Wash	CO	ditto	140-6
332756	8-2	DENVER	Wash	CO	radio material	184-6
332754	8-3	NEWPORT	Wash	CO	radio apparatus	315-6
332523	8-2	ROCHESTER	Wash	CO	radio material	316-6
332524	8-2	ST LOUIS	Wash	CO	radio material	383-6
332510	8-2	SUBMARINE	Wash	CO	radio apparatus	403-6
332507	8-2	SUBMARINES	Wash	CO	radio apparatus	415-6
332512	8-2	SUBMARINES	Wash	CO	radio apparatus	420-6
332511	8-2	SUBMARINES	Wash	CO	radio apparatus	420-6
332753	8-3	TOPEKA	Wash	CO	radio apparatus	439-6

RADIP SHIPMENT REQUEST

69-1/2

Number.	Date.	From or To—		Subject.		
332513	8-2	SUBMARINE	Wash	CO	radio apparatus	421-6
332514	8-2	SUBMARINE	Wash	CO	ditto	421-6
332748	8-2	SUBMARINE	Wash	CO	ditto	421-6
332508	8-2	Submarine	Wash	CO	ditto	429-6
332750	8-2	SUBMARINE	Wash	CO	ditto	505-6
332750	8-2	SUBMARINE	Wash	CO	ditto	505-6
332750	8-2	SUBMARINE	Wash	CO	ditto	505-6
331819	8/2	Rad. Repair Base	NY	Gibraltar	ditto	902
332760	8/3	Fire Island	Wash	Fire Island	ditto	812
332758	8/3	Rad. Station	Wash.	Cape Cod	ditto	802
333265	8-3	Azores	Wash	AZores	ditto W	787-1
332521	8-3	Base 13	NY	Base 13	ditto W	787-5
333261	8-5	TBDS	NY	CO	ditto	80-Q-6
332925	8-5	TBDS	NY	Inspr NYS	radio material	119-Q-6
332060	8-5	TBDS	NY	Inspr NN	ditto	181-Q-6
333266	8-5	CAMDEN	Wash	CO	radio apparatus	20-X-6
333289	8-5	PATTERSON	Wash	CO	ditto	335-6
333267	8-5	RAINBOW	Wash	CO	ditto	367-6
333457	8-5	SUBMARINE	NY	K-1	radio material	421-6
333270	8-5	HENLEY	Wash	CO	radio apparatus	442-6
333276	8-5	NEW MEXICO	Wash	CO	ditto	554-6
333732	8/6	Training Sta.	Wash	Great Lakes	radio apparatus	854
333731	8/6	Rad. Station	Wash	Tutuila	ditto	846
333740	8/6	Rad. Station	Wash	Dutch Harbor	ditto	845
334200	8/7	Rad. Laboratory	Wash	Phila	radio material	898

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Number.	Date.	From or To—		Subject.		
333730	8/6	Rad. Station	Wash	Kodiak	Radio apparatus	844
333736	8/6	Rad. Station	Wash	Arguello	ditto	829
334049	8/6	Rad. Station	Wash	Tatooch	ditto	857
333728	8/6	Rad. Sta.	Wash	Sitka	ditto	856
333734	8/6	Rad. Sta.	Wash	Olongapo	ditto	826
333741	8/6	Rad. Sta.	Wash	Alaska	ditto	825
326452	8/6	Rad. Sta.	Wash	Guantanamo	ditto	814
333729	8/6	Rad. Sta.	Wash	Cordova	ditto	809
333453	8-6	Quantanamo	Wash	Quantanamo-	ditto W	793-5
333463	8-5	Corfu	Phila	Greece	ditto W	787-5
333463	8-5	ditto	Norf	ditto	ditto W	787-5
334199	8-7	MINE SWEEPERS	NY	Inspt Stand	ditto	10-S-6
334509	8-7	SIATIA	Wash	CO	ditto	543SP
334040	8-7	SUBMARINES	Wash	D-2	ditto	221-6
334043	8-7	SUBMARINES	Wash	G-1	ditto	393-6
334041	8-7	SUBMARINE	Wash	E-1	ditto	401-6
334042	8-7	SUBMARINE	Wash	E-2	ditto	401-6
334046	8-7	SUBMARINE	Wash	G-4	ditto	436-6
334044	8-7	SUBMARINES	Wash	G-2	ditto	452-6
334038	8-7	SUBMARINE	Wash	K-5	ditto	505-6
334045	8-7	SUBMARINE	Wash	G-3	ditto	559-6
334503	8-7	Azores	NY	Azores	ditto W	787-1
334504	8-7	Azores	Norf	Azores	ditto W	787-1
334505	8-7	Azores	Phila	Azores	ditto W	787-1
333463	8-7	Corfu	Norf	Greece	ditto W	787-5

Number.	Date.	From or To—		Subject.	
329928	7-26	BEAVER	Mare Island	BEAVER radio apparatus W	69-771
328487	7-22	SUBMARINES	Wash	CO radio apparatus	574-6
329926	7-26	RAINBOW	N Y	CO radio material	367-6
329929	7-26	RAINBOW	Phila	CO radio material	367-6
305985	7-27	AIRPLANES	NY	Pauillac radio apparatus	736-9
330212	7-26	Siasconsett	Wash	Siasconsett radio apparatus W	793-5
329925	7-26	MONGOLIA	Wash	NY radio receiver W	516-771
329915	7-26	MANCHURIA	Wash	NY radio receiver W	515-771
330214	7/26	Dist. Base	Wash	NL Radio apparatus	898
329924	7/26	Rad.Station	Norf.	Great Lakes radio apparatus	864
330369	7-29	NEW JERSEY	Wash	CO radio apparatus	313-6
330371	7-29	SUBMARINE G-1	Wash	CO radio apparatus	393-6
330376	7-29	SUBMARINES	Wash	CO radio apparatus	574-6
329374	7-25	KROONLAND	Wash	KROONLAND radio apparatus	407-771
330223	7/29	Phila/	Chicago	Phila radio apparatus	918
305985	7-29	Queesntown	NY	Ire radio a paratus W	736-9
328272	7-29	Bay Shore	Wash	Bay Shore radio material W	736-31
328274	7-29	Chatham	Wash	Chatham ditto W	736-33
328273	7-29	Montauk	Wash	Montauk ditto W	736-37
328275	7-29	Rockaway	Wash	Rockaway ditto W	736-39
332762	8-5		Wash	Cape May one two-step radio amplifier	731
333268	8-2	BEAVER	Wash	BEAVER radio appratus	69-771
333459	8-5	Pensa	Inspcr Brook	Pensa ditto W	736-38
333458	8-5	Miami	ditto	Miami ditto W	736-36

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RAIO SHIPMENTS

Number.	Date.	From or To—	Subject.	
333460	8-5	Key West Inspcr Brook	Key West radio apparatus W	736-35
333461	8-5	Hamp Rds ditto	Hamp Rds ditto W	736-34
331017	8/5	Phila. Wash	Phila. ditto	920
333308	8/5	Sub-Chaser Base Wash	NL ditto	876
333308	8/5	Radio Officer Wash	Norf. ditto	876
332761	8/5	Rad.Station Wash	Virgin Is. ditto	863
333454	8/5	Rad. Station Wash	Pt. Isabel ditto	853
333279	8/5	Rad. Station Wash	Port Royal ditto	848
333277	8/5	Rad. Station Wash	Radio, Va. ditto	841
333464	8/5	Rad. Station Wash	San Diego ditto	830
323727	8/5	Rad. Station Wash	Eureka ditto	827
333280	8/5	Rad. Station Wash	Jupiter ditto	816
333465	8/5	Rad. Station Wash	Farrallone Is. ditto	811
333456	8/5	Rad. Station Wash	Colon ditto	808
333278	8/5	Rad. Station Wash	Beafort ditto	800
334039	8-6	SUBMARINE Wash	D-1 ditto	305-6
332515	8-6	SUBMARINE Wash	K-3 ditto	421-6
333735	8-6	Wash	Pekin China one two-stop radio amplifier	657
334191	8-6	Wash	St Paul Alaska ditto	647
333733	8-6	Radio Sta Wash	El Cayey Porto Rico ditto	635
333769	8-6	Wash	Sequard Alaska pne two stop radio amplifier	660
334205	8-7	Rockaway Inspcr Brook	Rockaway radio apparatus W	736-39
334556	8-7	Hamp Rds ditto	Hamp Rds ditto W	736-34

RADIO SHIPMENT REQUEST.

Number.	Date.	From or To—		Subject.		
328568	7/23	Rad. Station	Phila.	Radio,Va.	radio apparatus	841
327853	7/23	Nav. Station	Wash.	Pearl Harbor	ditto	852
328573	7/23	Phila	Wash.	Phila	ditto	919
328970	7/23	So. Bldg.	Wash.	Wash.	radio apparatus	920
328599	7/23	Nav. Rad. Sta.	Wash.	Bar Harbor	ditto	920-2
328569	7/23	Rad. Staion	Wash.	Tuckerton	ditto	920-9
327795	7-23	TBDS	NY	Inspr NN	Radio apparatus	119-Q-6
328570	7-23	PENNSYLVANIA	Wash	CO	Radio apparatus	130-6
328833	7-23	NEW YORK	Wash	CO	Wave meter	131-6
328834	7-23	TEXAS	Wash	CO	wave meter	132-6
328564	7-23	CONNECTICUT	Wash	CO	wave meter	169-6
329252	7-23	FLORIDA	Wash	CO	wave meter	205-6
328831	7-23	KANSAS	Wash	CO	wave meter	255-6
328563	7-23	MICHIGAN	Wash	CO	wave meter	286-6
328566	7-23	LOUISIANA	Wash	CO	wave meter	268-6
327284	7-23	MINNEAPOLIS	N Y	Phila	radio apparatus	289-6
328565	7-23	MINNESOTA	Wash	C O	wave meter	290-6
328832	7-23	NEW HAMPSHIRE	Wash	CO	wave meter	312-6
328278	7-23	NORTH CAROLINA	Wash	Ports	radio apparatus	320-6
328488	7-23	SOUTH CAROLINA	Wash	CO	wave meter	407-6
328971	7-23	SUBMARINES	Wash	Pg Sd	radio apparatus	420-6
328564	7-23	VERMONT	Wash	CO	wave meter	456-6
328835	7-23	WYOMING	Wash	CO	wave meter	488-6
327911	7-23	MISSISSIPPI	Wash	CO	wave meter	562-6

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RADIO SHIPMENT REQUEST.

Number.	Date.	From or To—		Subject.		
327920	7-22	Miami	Wash	Miami	radio apparatus W	736-36
328270	7-22	Hamp Rds	Wash	Hamp Rds	radio material W	736-34
328271	7-22	Cape May	Wash	Cape May	radio apparatus	736-32
327916	7-20	Pauil ac	Phila	France	ditto W	736-9
327917	7-20	ditto	Phila	France	ditto W	736-9
326019	7-23	C.G.Acad	Wash	N Lon	ditto	704
322804	7-24	TBDS	Wash	M Is	radio apparatus	92-Q-6
329255	7-24	EX RUSSIAN	NY	Pg Sound	radio apparatus	4-O-6
329266	7-24	TBDS	NY	Inspr NN	radio apparatus	119-Q-6
329253	7-24	DELAWARE	Wash	C O	Wave meter	182-6
329268	7-24	SUPPLY	Wash	CO	radio apparatus	422-6
327059	7/24	Ensign Crossley	Wash	Ensign Crossley	Radio apparatus	920-12
329263	7/24	Rad. Station	Wash.	Wash.	radio apparatus	920
327904	7/23	vessels	NY	Norf.	radio apparatus	902
327795	7-25	TBDS	Boston	Inspr NN	radio apparatus	119-Q-6
286835	7-25	TBDS	NY	Inspr Bath	radio apparatus	75-Q-6
303433	7-25	OLYMPIA	NY	LIVERPOOL	radio apparatus	324-6
329919	7/25	Third Dist.	Wash.	3rd. Dist.	radio apparatus	898
326199	7-25	MELVILLE	Wash	Base 6	ditto	787-1
329913	7-25	ST PAUL	Wash	NY	ditto	709-771
329912	7-25	LOUISVILLE	Wash	NY	ditto	708-771
329910	7-25	HARRISBURG	Wash	NY	ditto	613-771
329911	7-25	PLATTSBURG	Wash	NY	ditto	533-771
329914	7-26	FINLAND	Wash	NY	radio receiver W	226-771
329927	7-26	BEAVER	NY	Mare Island	radio material W	69-771

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Number.	Date.	From or To—	Subject.	
327154	7-17	Pensa Inspcr Brook	Pensa radio receiver-airplane	736-38
327156	7-18	Miami ditto	Miami ditto ditto	736-36
327155	7-17	Key West ditto	Key West ditto ditto	736-35
325762	7-19	School Wash	Cambridge radio app for	707
327157	7-19	Hamp Rds Inspcr Brook	Hamp Rds radio appartus for- W	736-34
327154	7-17	Pensa ditto	Pensa airplane radio receivers	736-38
327530	7-19	Montauk NY	Montauk radio apparatus	736-37
327617	7-19	SUB CHASERS Wash	Ford radio set	2-Z-6
328266	7-20	NEW HAMPSHIRE Wash	CO radio apparatus	312-6
303433	7-20	OLYMPIA Norf	Liverpool radio apparatus	324-10
327531	7-19	WILMINGTON Wash	C O radio apparatus	482-6
327912	7-20	ARIZONA Wash	C O wave meter	529-6
327532	7-19	NEW MEXICO Wash	C O Radio apparatus	554-6
BUNSA1257	7-20	Elec School Ports	Hampt Rds Elec material	
BUSE696-/18	7-19	Keyport	Keywest 2 sets Sispano Suiza engine parts	
BUNSA262	7-18	Brook	Chatham, Mass valve accessories	
BUSE417/18	7-19	Brook	Keyport 10 OXX-6 Curtiss engines	
BUSE15/18	7-19	Norf	Bay Shore OXX -? spare parts	
BUSE696/18	7-19	Keyport	Great Lakes 1 set Hispano Suiza spare parts	
BUSE1193/18	7-19	Packard	Co - Sand Diego Liberty engines of rejected parts and spares	
BUSE264/18	7-19	Hamp Rds	- Cape May V2-3 Curtiss engines	
BUSE1193/18	7-19	Packard	Co - Seattle Wash- Liberty engines and spares	
BUSE 696/18	7-19	Keyport	Gloucaster, NJ 38 sets Hispano Suiza spares	
BUSE696/18	7-19	Keyport	Pensacola 5 sets ditto	

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—	Subject.	
BUSE1224/18	7-19	Aero spare stock Keyport	Brook spark plugs? cancels ship order	6-29
327907	7-20	C.G.Sta#183 NY	Cape Hatteras radio app for	704
327908	7-20	C.G.Sta #150 NY	Assateague Is Va ditto	704
327059	7/20	Ensign Crossley NY	Boston radio apparatus	920-12
327162	7-20	Rockaway Inspcr Brook	Rockaway radio apparauts	736-39
327918	7-20	Pensa Wash	Pensa ditto W	736-38
327160	7-20	Montauk Inspcr Brook	Montauk ditto W	736-37
327919	7-20	Key West Wash	Key West ditto W	736-35
327159	7-20	Bayshore Inspcr Brook	Bayshore ditto W	736-31
327158	7-20	Cape May ditto	Cape May ditto W	736-31
286835	7-22	TBD NY	Inspr Bath radio apparatus	75-Q-6
328482	7-22	NEVADA Wash	C O wave meter	133-6
325326	7-22	IROQUOIS WASH	CO radio apparatus	246-6
328483	7-22	UTAH Wash	C O Wave meter	455-6
328481	7-22	OKLAHOMA Wash	C O wave meter	522-6
328295	7-22	MISSISSIPPI Boston	Norf radio apparatus	562-6
328479	7-22	MISSISSIPPI Wash	C O radio apparatus	562-6
328480	7-22	MISSISSIPPI Wash	C O radio apparatus	562-6
325248	7-22	SS CULEBRA NY	15th Dist ditto	727
314998	7/22	Radio Station Wash.	Phila. radio apparatus	898
328291	7/20	vessels NY	Boston radio tel. equipts.	902
328291	7/22	vessels NY	Phila. radio tel. equipts.	902
327059	7/22	Ensign Crossley Wash	Ensign Crossley radio apparatus	920-12

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[OVER.]

Number.	Date.	From or To—		Subject.	
322816	7-5	Azores	NY	Azores - radio apparatus- W-	787-5
322206	7-5	Gibraltar	NY	Gibraltar radio apparatus - W	787-1
322812	7-5	Brest	NY	France ditto - W	787-1
322817	7-5	Corfu	NY	Greece ditto - W	787-1
319436	7-5	Corfu	NY	Greece ditto - W	787-1
322204	7-6		Wash	C.G.Depot Baltimore radio app for	704
322825	7-6	VOID			
323097	7-6		NY	C.G.Depot So Baltimore- radio app for	704
323098	7-6		Bost	C.G.Depot So Balt ditto	704
323092	7-6	PENNA	Wash	CO radio apparatus	130-6
320179	7-6	VERMONT	Wash	CO radio apparatus	456-6
323009	7-5	NEW MEXICO	Wash	NY radio apparatus	554-6
323009	7-5	NEW MEXICO	Wash	CO radio apparatus	554-6
323009	7-5	NEW MEXICO	Phila	NY radio equipment	554-6
322992	7/5	Radio Station	Wash.	Phila radio apparatus	828
322032	7/6	CO Sub.	Wash	NL wave motor	893-4
323858	7-8		NY	Cape Henry radio app	704
323726	7-9		NY	C.G.C.GRESHAM ditto	704
323726	7-9		Wash	ditto ditto	704
323861	7-9	TBDS	NY	2nd Dist radio apparatus	93-Q-6
323162	7-9	SIALIA, SP	Wash	CO radio apparatus	543 SP
322815	7-9	HUNTRESS	Wash	Pauillac radio apparatus	236-9
320411	7-2	SEATTLE	Wash	CO radio apparatus	474-6
323854	7-9	Inter.R.Tel.Co.	Brook.	Brook. radio apparatus	918
323855	7-9	Phila	Brook.	Phila radio apparatus	918

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
323862	7-9	Corfu	Wash	Greece	Radio apparatus- W	787-5
323750	7-10	Phila	Wash	Phila	Radio apparatus	920
324486	7-11	SUPPLY	Wash	CO	radio apparatus	422-6
324488	7-11	Exper.Station	Wash.	NL	radio apparatus	918
322992	7-11	Radio Station	Wash.	Phila.	radio apparatus	828
324484	7-11	Radio Station	Phila.	Guam	radio apparatus	813
324758	7-12	SUBMARINE CHASERS	Wash	Sub Force	radio apparatus	1-Z-6
324485	7-12	KANSAS	Wash	CO	radio apparatus	255-6
325294	7-13	SUBMARINES	Wash	N-5	radio apparatus	587-6
324760	7/12	CO Balboa	Ny	CO Balboa	radio apparatus	850
325292	7-15	SUBMARINE CHASER	Phila	Key West	radio apparatus	1-Z-21
324762	7-15	ARKANSAS	Wash	CO	radio apparatus	121-6
325120	7-15	Coast Guard Acad	Wash	N Lon	radio app for	704
320299	7-15	Plymouth	Wash	England	radio apparatus-	787-1
325763	7-16	Chatham	Wash	Chatham	radio apparatus	736-33
310629	7-17	SCHLEY AA-1	NY	Inspr FR	radio apparatus	586-6
325054	7-17	SUBMARINE E-2	Wash	E-2	radio apparatus	419-6
292042	7-17	TBDS	NY	STRINGHAM & DYER	radio apparatus	82-Q-6
325853	7-17n	Hamp Rds	Wash	Hamp Rds	raio apparatus- W	736-34
326053	7-18	TBDS	Boston	Inspr Bath	radio apparatus	136-Q-6
327059	7/18	Ensign Crossley	Norf.	Boston	Radio apparatus	920-12
327162	7/18	Amer.Transformer	Co. Wash.	Amer.T.Co.	radio apparatus	904
327360	7/18	Norf.	Wash.	Norf.	radio apparatus	882-1

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Number.	Date.	From or To—		Subject.		
322200	7-2	TBD	N Y	Inspr NYS	Radio apparatus	157-Q-6
321788	7-2	TBD	Boston	Inspr Bath	Radio apparatus	75-Q-6
322186	7-2	NOKOMIS	N Y	C O	radio apparatus	609 SP
321492	7-2	NEW YORK	Wash	C O	radio set	131-6
321493	7-2	TEXAS	Wash	CO	radio set	132-6
321916	7-2	SAN DIEGO	Wash	Ports	radio apparatus	147-6
321496	7-2	DELAWARE	Wash	C O	radio set	182-6
321495	7-2	FLORIDA	Wash	C O	radio set	205-6
321499	7-2	KANSAS	Wash	C O	radio set	255-6
321910	7-2	LEONIDAS	Boston	C O	radio apparatus	264-6
321498	7-2	LOUISIANA	Wash	C O	radio set	268-6
320368	7-2	MARBLEHEAD	N Y	C O	radio apparatus	276-6
320931	7-2	MICHIGAN	Wash	C O	radio set	286-6
321497	7-2	MINNESOTA	Wash	C O	radio set	290-6
321914	7-2	NEW HAMPSHIRE	Wash	C O	radio set	312-6
321491	7-2	SOUTH CAROLINA	Wash	C O	radio set	407-6
322208	7-2	SUBMARINES	Wash	Phila	radio sets	420-6
321494	7-2	WYOMING	Wash	C O	radio set	488-6
314192	7-2	SUBMARINES	Wash	SAVANNAH	radio amplifiers	574-6
322209	7/2	Rad. Station	Wash.	Atlantic City	radio apparatus	864
320804	7/2	Rad. Station	Wash.	Great Lakes	radio apparatus	854
321913	7/2	Rad. Station	Wash	Cavite	radio apparatus	806
322198	7-2	signal corps	Wash	Am exp forces	ditto	~~GR 727~~
321899	7-5	Brazilian Navy	Wash	Brook	radio apparatus W	~~793-8~~

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RADIO SHIPMENTS

Number.	Date.	From or To—		Subject.	
318939	7-2	NEDERLANDEN	Wash	NEDRLANDEN- Rqst change order of 6-22 to read one 2 step radio amplifier-DeForest with 6 vacuum tubes- W-	409-771
321313	7-2	ARUNDO	Phila	Nrof radio apparatus	43-771
322808	7-3	TBDS	Wash	CO radio amplifier	93-Q-6
322199	7-3	TBDS	N Y	Inspr Cramps radio set	143-Q-6
290878	7-3	SUBMARINES	N Y	Inspr Ford radio apparatus	2-Z-6
322203	7-3	FARRAGUT	Wash	CO radio apparatus	204-6
322201	7-3	LAWRENCE	Wash	CO radio apparatus	262-6
322201	7-3	LAWRENCE	N Y	CO radio apparatus	262-6
310696	7-3	SCHLEY (AA-1)	Boston	Inspr FR radio apparatus	586-6
321829	7-3	MELVILLE	Bost	MELVILLE radio apparatus-	787-1
321829	7-3	ditto	NY	ditto ditto	787-1
321829	7-3	ditto	Wash	ditto ditto	787-1
322205	7-3	C.G.C.MORRILL	NY	C.G.C. MORRILL radio app for	704
322205	7-3	ditto	Wash	ditto ditto	704
318648	7-3	Radio Lab	NY	Bost vacuum tubes W	919
322821	7-5	Hamp Rds	Wash	Hamp Rds radio appartus-	736-34
322819	7-5	Queenstown	Wash	Ireland ditto	736-9
322822	7-5		Wash	C.G.C.SNOHOMISH radio app for	704
322823	7-5		NY	C.G.C.PAMLICO ditto	704
322823	7-5		Wash	ditto ditto	704
323126	7-5	SUBMARINE CHASERS	NY	C O PRAIRIE radio apparatus	1-Z-6
323126	7-5	SUBMARINE CHASERS	Wash	C O PRAIRIE radio material	1-Z-6
308352	7-5	SUBMARINE	N Y	Inspr F R radio apparatus	105-06
308352	7-5	SUBMARINE	Boston	Inspr FR radio apparatus	105-0-6

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RADIO SHIPMENT REQUEST. 64

Number.	Date.	From or To—		Subject.		
319923	6/27	Wash.	NY	Wash	radio apparatus	898
320735	6/27	Nav.Station	NY	Cavite	radio apparatus	806
316546	6-28	SUBMARINES	Boston	Inspr FR	radio apparatus	78-0-6
284928	6-28	SUBMARINE	Boston	Inspr Lake	Ditto	98-0-6
284928	6-28	SUBMARINE	N Y	Inspr Lake	ditto	98-0-6
320721	6-28	TBDS	Boston	M. Is.	ditto	140-Q-6
320723	6-28	TBDS	Boston	Cramp's	ditto	143-Q-6
320922	6-28	TBDS	Boston	N Y S	ditto	157-Q-6
320607	6-28	TBDS	Boston	M. Is/	ditto	174-Q-6
320722	6-28	TBDS	Boston	M. Is.	ditto	296-Q-6
320736	6-28	PENNSYLVANIA	Wash	C O	ditto	130-6
320736	6-28	PENNSYLVANIA	N Y	C O	ditto	130-6
320918	6-28	NEVADA	Wash	C O	radio amplifiers	133-6
320717	6-28	TEXAS	Wash	C O	ditto	132-6
320718	6-28	NEW YORK	Wash	C O	ditto	131-6
320928	6-28	CONNECTICUT	Wash	C O	ditto	169-6
320733	6-28	FLORIDA	Wash	C O	ditto	205-6
320737	6-28	LV 11	Wash	NY	ditto	678
317631	6-28	POTOMAC	Wash	CO	radio apparatus	358-6
320919	6-28	UTAH	Wash	CO	radio amplifier	455-6
320920	6-28	VERMONT	Wash	CO	radio amplifier	456-6
320734	6-28	WYOMING	Wash	CO	radio amplifiers	488-6
320917	6-28	ARIZONA	Wash	CO	radio amplifiers	529-6
320719	6-28	NEW MEXICO	Wash	CO	radio amplifiers	554-6
320720	6-28	MISSISSIPPI	Wash	CO	radio amplifiers	562-6

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
320716	6/28	Marine Corps	Wash.	Phila	radio apparatus	876
271097	6/29	PERRY	NY	PERRY	radio apparatus	905
271097	6/29	PERRY	Wash	PERRY	radio apparatus	905
271006	6-29	C.G.C.ITASCA	Wash	C.G.C.ITASCA	ditto	704
271006	6-29		NY	C.G.C.TAMPA	ditto	704
271006	6-29		NY	C.G.C.ITASCA	ditto	704
271006	6-29		NY	C.G.C.ACUSHNET	ditto	704
271006	6-29		Wash	C.G.C.TAMPA	ditto	704
271006	6-29		Wash	C.G.C.ACUSHNET	ditto	704
320740	7-1	PENNA	Wash	CO	Radio Set	130-6
320712	6-29	NEVADA	Wash	CO	Ditto	133-6
320715	7-1	CONNECTICUT	Wash	CO	Ditto	169-6
321486	6-29	KANSAS	Wash	CO	Radio amplifier	255-6
321485	6-29	LOUISIANA	Wash	CO	Radio apparatus	268-6
321487	6-29	NEW HAMPSHIRE	Wash	CO	Radio amplifier	312-6
320714	7-1	NORTH DAKOTA	Wash	CO	Radio set	321-6
320711	6-29	UTAH	Wash	CO	Ditto	455-6
320710	7-1	VERMONT	Wash	CO	Ditto	456-6
320713	7-1	OKLAHOMA	Wash	CO	Ditto	522-6
320739	6-29	NEW MEXICO	Wash	CO	Ditto	554-6
320738	6-29	MISSISSIPPI	Wash	CO	Ditto	562-6
308052	6-29	Pauillac	NY	France	radio apparatus	736-9

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[OVER.]

Number.	Date.	From or To—		Subject.		
319252	6-24	RIJNDAN	Wash	RIJNDAN	radio amplifier	675-771
319259	6-24	PASTORES	Wash	PASTORES	ditto	607-771
319260	6-24	ORIZABA	Wash	ORIZABA	ditto	574-771
319248	6-24	MONGOLIA	Wash	MONGOLIA	ditto	516-771
318935	6-24	MANCHURIA	Wash	MANCHURIA	ditto	515-771
318943	6-24	NOPATIN	Wash	NOPATIN	ditto	498-771
319249	6-24	LENAPE	Wash	LENAPE	ditto	44-771
312460	6-25	TBD	Boston	Inspr Cramps	radio apparatus	142-Q-6
312460	6-25	TBDS	Boston	Inspr F R	ditto	161-Q-6
312460	6-25	TBDS	Boston	Inspr Bethlehem	ditto	261-Q-6
319322	6-25	BUFFALO	N Y	C O	ditto	144-6
319257	6-25	MICHIGAN	Wash	C O	radio amplifier	286-6
319255	6-25	MINNESOTA	Wash	C O	ditto	290-6
319256	6-25	SOUTH CAROLINA	WASH	C O	ditto	407-6
319924	**6/25**	**Wash.**	**Boston**	**Wash.**	**condensers**	**882-1**
315901	6-25	Naval Base	NY	Corfu Greece radio apparatus listed		787-5
319254	6-25	MATOKA	Wash	MATOKA	radio amplifier	626-771
318944	6-25	PLATTSBURG	Wash	PLATTSBURG	ditto	532-771
319435	6-25	MALLORY	Wash	MALLORY	ditto	510-771
319434	6-25	MAUI	Wash	MAUI	ditto	500-771
318938	6-22	BALBOA	Wash	BALBOA	ditto	127-771
		Above cancelled		June 25th 1918		
310804	6-25	BEAVER	Bost	Mare Island	radio apparatus	69-771
310804	6-25	ditto	Phila	ditto	ditto	69-771
320283	6-26	LEONIDAS	N Y	C O	radio apparatus	264-6
~~319428~~	~~6-26~~	~~OKLAHOMA~~	~~Wash~~	~~C O~~	~~radio amplifier~~	~~522-6~~

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
255804	6-26	NY	Wash	NY radio field sets		793-8
315901	6-26	Nav.Base	Phila	Corfu Greece	radio apparatus	787-5
315901	6-26	ditto	Bosta	ditto	ditto	787-5
319931	6-26	FINLAND	Wash	FINLAND	radio amplifier	226-771
319930	6-26	CALIMARES	Wash	CALIMARES	ditto	118-771
310804	6-26	BEAVER	NY	Mare Island	radio apparatus	69-771
312573	6-26	Radio School	Wash	Cambridge	ditto	707
312573	6-26	ditto	Bost	ditto	ditto	707
319927	6/26	Radio Station	Wash	Guam	Radio apparatus	813
319928	6/26	SB Conn.	Brook?	SB Conn.	ditto	916
319923	6/26	Wash.	Ny	Wash	ditto	398
320373	6/26	Quantico	Wash	Quantico	ditto	897-1
319933	6/26	Holtzer-Cabot E.Co.	Wash	Boston	motor generator	882-3
316546	6-27	SUBMARINES	N Y	Inspr FR	radio apparatus	78-0-6
320729	6-27	ARKANSAS	Wash	CO	radio set	121-6
320732	6-27	DELAWARE	Wash	CO	Radio amplifiers	182-6
320731	6-27	NORTH DAKOTA	Wash	C O	radio amplifiers	321-6
317129	6-27	OLYMPIA	Wash	C O	radio apparatus	324-6
320730	6-27	ARIZONA	Wash	C O	radio set	529-6
320324	6-27	SUBMARINES	N Y	Inspr Lake	radio apparatus	590-6
320609	6-27	BLACK HAWK	Wash	BLACK HAWK	ditto	61-771
315901	6-27	Corfu	Wash	Greece	ditto	787-5
320299	6-27	Nav.Base Plymouth-NY		England	ditto	787-1
258582	6-27		Phila	NY radio compass for listening - in school		707

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RADIO SHIPMT REQUEST

Number.	Date.	From or To—		Subject.		
SE980/18	6-20	Aircraft fact Sellersville Pa--- Phila		Oil Pressure Gu ages		
SE915/	6-20	Air Sta ditto		Coco Solo	ditto	
NSA 737	6-20	ditto	NY	Key West	1 boilermakers forge	
318196	6-21	MINNEAPOLIS	Wash	C O	Radip amplifiers	289-6
318668	6-21	HANCOCK	Wash	C O	radio amplifier	224-6
318194	6-21	COLUMBIA	Wash	C O	radio amplifier	167-8
318676	6-21	MADAWSKA	Wash	C O	radio amplifier	40-x-6
318674	6-21	LEVIATHAN	Wash	C O	radio amplifier	35-X-6
318672	6-21	HURON	Wash	C O	radio amplifier	26-X-6
318259	6-21	GEORGE WASH.	Wash	C O	radio amplifier	23-X-6
318258	6-21	DEKALB	Wash	C O	radio amplifier	22-X-6
318275	6-21	COVINGTON	Wash	C O	radio amplifier	21-X-6
318256	6-21	ANTIGONE	Wash	C O	radio amplifier	4-X-6
318225	6-21	AMERICA	Wash	C O	radio amplifier	3-X-6
317105	6-21	AGAMEMNON	Wash	C O	radio amplifier	2-X-6
318666	6-21	AEOLUS	Wash	C O	radio amplifier	1-X-6
318670	6-21	HENDERSON	Wash	C O	radio apparatus	511-6
318948	6-22	MERCURY	Wash	C O	radio amplifier	41-X-6
318949	6-22	MOUNT VERNON	Wash	C O	radio amplifier	42-X-6
318677	6-22	MARTHA WASHINGTON	Wash	C O	radio amplifier	43-X-6
319242	6-22	POCAHONTAS	Wash	C O	radio amplifier	61-X-6
319244	6-22	CAYUGA	Wash	C O	radio amplifier	359-6
317385	6-19	HUNGTINGTON	Wash	C O	radio amplifier	477-6

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RADIO SHIPT REQUEST.

Number.	Date.	From or To—		Subject.			
318145	6/21	Coast Gd.Sta.	Phila.	Cape Hatteras	radio apparatus		919
318198	6/21	Floating Base	Phila.	Shelburne	radio apparatus		
318199	6/21	Naval Base	Phila.	Machias	radio apparatus		
318667	6/21	Radio Station	Phila.	Bar Harbor	radio apparatus		
318669	6/21	NY	Phila.	NY	radio apparatus		
318416	6/22	Radio Station	Phila.	Siasconsett	radio apparatus		
318675	6/22	NY	Phila.	NY	radio apparatus		
319243	6/22	Radio Station	Phila.	Boothbay	radio apparatus		
318941	6-22	ZEELANDIA	Wash	ZELLANDIA	radio amplifier	W	852-771
318937	6-22	YALE	Wash	YALE	ditto	W	841-771
318934	6-22	ST PAUL	Wash	ST PAUL	ditto	W	709-771
318679--	6-22	PHILADELPHIA	Wash	PHILADELPHIA	ditto	W	613-771
318940	6-22	OPHIA	Wash	OPHIA	ditto	W	577-771
318942	6-22	NARRAGANSET	Wash	NARRAGANSETT	ditto	W	541-771
318846	6-22	MATSONIA	Wash	MATSONIA	radio apparsatus	W	496-771
318939	6-22	NEDERLANDEN	WASH	NEDERLANDEN	radio amplifier	W	409-771
318680	6-22	KROONLAND	Wash	KROONALND	ditto	W	407-771
318936	6-22	CHARLES	Wash	CHARLES	ditto	W	302-771
318190	6-22	Miami Inspcr	Brook	Miami	radio apparatus-	W	736-36
318673	6-22	Hamp Rds	Wash	Hamp Rds	ditto	W	736-34
312460	6-24	TBDS	Boston	M Is.	radio apparatus		171-Q-6
319246	6-24	PRESIDENT GRANT	Wash	C O	radio amplifier		63-X-6
319080	6-24	C G Cutters	NY	Dubuque	Radio matl for		704
318600	6-24	ditto	~~NY~~Bost	ditto	ditto		704
319257	6-24	WILHEMINA	Wash	WILHEMINA	radio amplifier		816-771
319253	6-24	TENADORES	Wash	TENADORES	ditto		727-771
318945	6-24	LOUISVILLE	Wash	LOUISVILLE	ditto		708-771

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Number.	Date.	From or To—	Subject.	
313442	6-19	Vessels Ship Bd Norf	Grt Lakes radio apparatus-	771-2
317890	6-19	Montauk Inspcr Brook	Montauk radio apparatus	736-37
317889	6-19	Chatham Inspcr Brook	Chatham radio apparatus-	736-33
317013	6/19	Bar Harbor Wash	Bar Harbor radio apparatus	920-2
317904	6/19	Radio Station Wash	Chatham radio apparatus	920-5
316581	6/19	Radio Station Wash	Tuckerton radio apparatus	920-9
317911	6-20	ARKANSAS Wash	C O radio apparatus	121-6
318269	6-20	TBDS N Y	Inspr NN radio apparatus	119-Q-6
314194	6-20	SUBMARINES Wash	M Is. radio amplifier	591-6
318189	6-20	Lt. Lavender Brook.	Lt.Lavender Radio apparatus	918
283144	6-20	Radio Station Phila	Cape May radio apparatus	919
318141	6-20	Radio Station Phila	Mantoloking radio apparatus	919
318142	6-20	Coast Guard Station Phila	Assateagus Is,Va. radio apparatus	919
318143	6-20	Coast Guard Station Phila	Cape Henry,Va. radio apparatus	919
318192	6-20	NEDERLANDEN NY	Balboa radio apparatus	409-771
313442	6-20	Vessels Ship Bd Norf	Grt Lakes ditto	771-2
317892	6-20	Rockaway Inspcr Brook	Rockaway ditto	736-39
318187	6-20	Pensa ditto	Pensa ditto	736-38
317897	6-20	Key West ditto	Key West ditto	736-35
317896	6-20	Hamp Rds ditto	Hamp Rds ditto	736-34
317891	6-20	Bay Shore ditto	Bay Shore ditto	736-31
BUSE 950/18	6-20	Curtiss Inspcr Bellorsville Pa- Buff 36 Oil Pressure Gauges		
BUSE 950/18	6-20	ditto ditto	Brook 5 ditto	
BUSE 950	6-20	ditto ditto	Garden City 9 dittgo	
BUSE 950	6-20	DA ditto	Wash BUSE 2 ditto	
BUSE 950	6-20	Hamp Rds ditto	Hamp Rds 5 ditto	

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Number.	Date.	From or To—		Subject.		
BUSE 950	6-20	Burgess Co Inpscr	Sellersville- Marblehead-	18 Oil Pressure Gauges		
BUSE 950	6-20	Standard Airc.	ditto	Elizabeth	8	ditto
BUSE 950	6-20	L W F Eng Corp	ditto	College Pt.	15	ditto
BUSE 950	6-20	Boeing Air.	ditto	Seattle	4	ditto
BUSE 950	6-20	Paillac	ditto	France	225	ditto
BUSE 950	6-20	Gallaudet Aircft	ditto	East Greenwich	4	ditto
BUNSA737	6-20	~~NY~~	NY	Cape May NJ	1 Boilermakers forge	
BUSE 1070/18	6-20		Keyport	Seattle Wash	12 J-M Tachometers	
BUSE1070 /18	6-20		Keyport	Elizabeth N.J.	38 J-M Tachometers	
BUNSA 737/18	6-20	Air Sta	NY	Chatham, Mass	1 boilermakers forge	
NSA737	6-20	Air sta	NY	SandDiego	ditto	
BUNSA 737	6-20	Aor Sta	NY	Rockaway Beach	ditto	
NSA737	6-20	ditto	ditto	Bay Shore LI	ditto	
BUSE618/18	6-20	ditto	Keyport	Chatham, Mass	4 HS-1 radiators	
SE618/18	6-20		Keyport	Hamp Rds	4 radiators	
SE618/18	6-20	Air Sta	ditto	Roackaway Beach	5 Radiators	
SE920/18	6-20	YD	Baltimore	Brook	80 Theromometers L's	
SE467/18	6-20	Air Sta	Buffalo	Chatham	6 Liberty engines	
SE920/18	6-20	Aircraft storehouse	Balt	Brook	100 Thermometer L's	
SE417-/8	6-20	Air Sta	Curtiss	Key West	3 OXX-6 engines	
SE1070/18	6-20	~~Keyport~~	Keyport	Curtiss	142 J-M Tachometers	
SE1070/18	6-20		Keyport	College Point LI	61 J-M Tachometers	
SE1070 /18	6-20		ditto	East Greenwich	8 J-M Tachometers	
SE980/15	6-20	Aircraft fact	Sellersville, Pa	Phila	Pressure guage	

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Number.	Date.	From or To—		Subject.	
314196	6-11	SUBMARINES	Wash	Inspr SanFrancisco radio amplifiers	92-O-6
314240	6-11	MINE SWEEPERS	Wash	Chester radio apparatus	13-S-6
314241	6-11	MINE SWEEPERS	Wash	Chester radio apparatus	14-S-6
314232	6-11	MINE SWEEPERS	Wash	Inspr Wilmington radio apparatus	17-S-6
314233	6-11	MINE SWEEPERS	Wash	Inspr Wilmington radio apparatus	18-S-6
314236	6-11	MINE SWEEPERS	Wash	Inspr Baltimore radio apparatus	21-S-6
314224	6-11	MINE SWEEPERS	Wash	Inspr Chester radio apparatus	24-S-6
315177	6-11	LEVIATHAN	Wash	C O radio apparatus	35-X-6
314255	6-11	NORTH DAKOTA	Wash	Wireless Improv Co radio apparatus	321-6
314195	6-11	SUBMARINES	Wash	M Is. radio amplifiers	591-6
315164	6-11	BEAVER	Wash	Mare Island radio apparatus	69-771
315184	6-12	SUBMARINES	N Y	Inspr Ford radio apparatus	2-Z-6
315184	6-12	SUBMARINES	Boston	Inspr Ford radio apparatus	2-Z-6
315213	6-12	LEONIDAS	Wash	C O radio apparatus	264-6
310870	6-12	Guantanamo	Wash	Guantanamo 4000 ft. wire	814
315517	6-12	Signal Corps	Wash	O.in charge 2 two-step radio amplifiers	898
274948	6-12	Coco Solo	Wash	Coco Solo radio receivers	907
314234	6-13	MINE SWEEPERS	Wash	Inspr Baltimore radio apparatus	19-S-6
314235	6-13	MINE SWEEPERS	Wash	Inspr Baltimore radio apparatus	20-S-6
315195	6-13	SCOUT PATROL	N Y	Boston radio apparatus	1658SP
315789	6-13	SUBMARIND D-1	Wash	C O radio apparatus	305-6
313701	6-13	RAINBOW	Wash	C O radio apparatus	367-6
314746	6-13	HENLEY	N Y	Chasn radio apparatus	442-6
315754	6-13	Base 18	Wash	Base 18 radio apparatus	787-3
315753	6-13	Vessels Ship Bd	Norf	Phila radio apparatus	771-2

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RADIO SHIPMT REQST

Number.	Date.	From or To—		Subject.		
316003	6-14	CAMDEN	N Y	Phila	radio apparatus	20-X-6
316004	6-14	TBDS	N Y	Inspr Bethlehem	radio apparatus	263-Q-6
315318	6-14	MINE SWEEPERS	Wash	N Y	radio apparatus	1-S-6
316750	6-15	SOUTH CAROLINA	N Y	Phile	radio apparatus,	407-6
315765	6-14	Lt.Lavender USN	Brook.	Lt.Lavender,	flying boat radio transmitter	918
316000	6-14	Lt.Lavender USN	Wash.	Lt.Lavender,	1 airplane compass receiver	918
313793	6-14	Sayville	Wash.	Sayville	Edison storage batteries	920
316450	6-17	SEATTLE	Wash	C O	radio apparatus	474-6
316451	6-17	BRIDGEPORT	Wash	C O	radio apparatus	8-X-6
317009	6-17	Radio Laby.H.Rds.	Wash	H.Rds.	2 Moorhead power vacuum tubes	918
295153	6-17	Key West	Wash	Key West	4 radio field sets	897
317095	6/17	N.L.	NY	NL	1 motor & 1 batt.charg.panel	861
317095	6/17	NL	NY	NL	charging panel & other material	861
313930	6-18	SUBMARINES	Wash	N Y	radio amplifiers	587-6
312409	6-18	N Lond	Wash	N Lond	radio apparatus	797
305969	6-18	Azore Islands	NY	Azores Island	radio generating sets-	787-1
316452	6-18	NEDERLANDER	Wash	Balboa	radio apparatus-	771-3
317505	6-18	Rad.station NY	Wash	NY	radio apparatus	823
317095	6-18	NL Adm.office	Wash	NL	radio apparatus	861
317095	6-18	NL Adm.office	Boston	NL	radio apparatus	861
317375	6-18	B. of Stand.	Wash.	B. of Stand.	radio apparatus	876
317013	6-18	Rad.Station	Wash	Bar Harbor	radio apparatus	920-2
317012	6-18	Rad. Station	Wash.	Belmar	radio apparatus	920-3
317388	6-19	SAN DIEGO	Wash	CO	radio apparatus	147-6
317384	6-19	MONTANA	Wash	C O	Radio apparatus	299-6
301758	6-19	ANNISTON	Wash	C O	Radio apparatus	301-6
317908	6-19	SOUTH DAKOTA	Wash	C O	radio apparatus	408-6
316850	6-19	NEW MEXICO	Wash	CO	radio apparatus	554-6

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[OVER.]

Number.	Date.	From or To—		Subject.		
244083	6-5	HIBISCUS	NY	Ports	radio app for	678
244083	6-5	ANEMONE	NY	Bost	ditto	678
244083	6-5	LV44-78-79	Phila	NY	ditto	678
244083	6-5	LV52	Phila	Norf	ditto	678
312449	6-4	Destroyer 142	Phila	Cramps radio compass		919
312499	6-3	Destroyers listed "		Beth Ship radio compasses		919
312499	6-3	Destroyer161	ditto	FR radio compass		919
312499	6-3	Destroyers listed	ditto	Mare Island radio compasses		919
312499	6-3	ditto	ditto ditto	Union Iron Works radio compasses		919
312499	6-4	Destroyer 139	ditto	Mare Island radio compass		919
313029	6-5	Submarine AA1	NY	FR radio apparatus		911
310461	6-5	Fire Island	Wash	Fire Island radio apparatus		812
313028	6-6	TBDS	Wash	Bethlehem radio apparatus		261-Q-6
313028	6-6	TBDS	Wash	Inspr of Mach	radio apparatus	171-Q-6
233085	6-6	MARYLAND	Wash	Inspr NN	radio apparatus	46-B-6
233083	6-6	WEST VIRGINIA	Wash	Inspr NN	radio apparatus	48-B-6
312115	6-6	SHAWMUT	Wash	SHAWMUT 15 radio 2-stage amplifiers		898
313237	6-6	SIERRA	Wash	SIERRA	radio apparatus	702-771
313876	6-7	CHICAGO	Wash	C O	radio apparatus	158-6
313561	6-7	BUFFALO	Wash	Phila radio apparatus		144-6
313565	6-7	PENNSYLVANIA	N Y	C O	radio apparatus	130-6
313930	6-7	SUBMARINES	Wash	Inspr Bridgeport Radio apparatus		587-6
313592	6-7	MANCHURIA	Wash	MANCHURIA	radio app for	515-771
313560	6-7	ISIS	Wash	ISIS	radioa apparatus for	781

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RADIO SHIPMT REQT

Number.	Date.	From or To—		Subject.		
314224	6-8	MINE SWEEPERS	WASH	BROOK	radip apparatus	3-S-6
314223	6-8	MINE SWEEPERS	WASH	BROOK	radio apparatus	2-S-6
314264	6-8	TBDS	M IS	Union	radio apparatus	87-Q-6
314186	6-8	SUBMARINES #78	N Y	F R	radio apparatus	78-O-6
314187	6-8	SUBMARINES #98	N Y	INSPR BRIDGEPORT	Radio apparatus	98-O-6
313933	6-8	Sub Base	N Y	Coco Solo radio apparatus-		907
313887	6-8	Wash	Bost	Wash Mica condensers		882
313886	6-8	Norf	NY	Norf radio apparatus		876
314194	6-10	SUBMARINES O-14	Wash	Inspr California	radio amplifier	591-6
314191	6-10	SUBMARINES O-2	Wash	P Snd.	radio amplifier	589-6
314190	6-10	SUBMARINE O-1	Wash	Ports	radio amplifier	588-6
314263	6-10	GWIN	M IS.	INSPR SEATTLE	radio apparatus	579-6
314192	6-10	SUBMARINES O	Wash	Elec Boat Co	radio amplifiers	574-6
314448	6-10	SUBMARINES N-1-4	Wash	Submarines	radio apparatus	547-6
314449	6-10	SUBMARINE M-1	Wash	Sub M-1	radio apparatus	546-6
314189	6-10	SUBMARINES L-1-4	Wash	Submarines	radio apparatus	514-6
314224	6-10	MINE SWEEPERS	Wash	N Y	radio apparatus	23-S-6
314224	6-10	MINE SWEEPERS	Wash	Inspr Chester	radio apparatus	22-S-6
314224	6-10	MINE SWEEPERS	Wash	Staten Island	radio apparatus	10-S-6
314224	6-10	MINE SWEEPERS	Wash	Staten Island	radio apparatus	9-S-6
314224	6-10	MINE SWEEPERS	Wash	Staten Island	radio apparatus	8-S-6
314224	6-10	MINE SWEEPERS	WASH	Staten Island	radio apparatus	7-S-6
314224	6-10	MINE SWEEPERS	WASH	Staten Island	radio apparatus	6-S-6
314224	6-10	MINE SWEEPERS	Wash	Staten Island	radio apparatus	5-S-6
314224	6-10	MINE SWEEPERS	WASH	STATEN ISLAND	radio apparatus	4-S-6

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[OVER.]

RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
309768	5-27	Grt Lakes	NY	Grt Lakes radio transmitting sets-W	898
310100 TO 310104	5-27	Stations listed	NY	Stations listed radio transmitting sets-W	898
310444	5-27	Grt Lakes	Wash	Grt Lakes Field type radio receiving sets	898
310469	5-28	Hamp Rds	Phila	Hamp Rds one radio compass	736-34
310460	5-28		Wash	N Lon radio app	
310461	5-28		Wash	Fire Island ditto	812
269072	5-28		Wash	Repair Sta Savannah radio app	807
310467	5-28		Wash	Ft Morgan Ala ditto	793-5
307796	5-28	Sub-Chasers	Wash	GibraltarBase25 radio compasses	787-1
310445 TO 310453	5-28	Stations listed	Wash	Stations listed-Field type radio receiving sets-vessels Ship Bd	898
304476	5-29	TINGEY	NORF	C O generator set	437-6
307862	5-29	Aviation	NY	Pauillac radio app for	920
308952	5-29	Mine force	Wash	Queenstown Ire radio app	898
308952	5-29	mine force	NY	Queenstown Ire ditto	898
310494	5-29	Sub Chasers	Liverpool	Sub Chasers radio compasses	919
311697	6-1	vessels ship Bd	Wash	M Is radio receiving set	771-2
311696	6-1		Wash	Hamp Rds radio app	736-34
307626	6-1	radio Stats	Wash	Phila ditto	736-1
311979	6-1	Radio Sta Belmar	Wash	Belmar amplifier bulbs	920-3
298582	6-1	Exp Sta	Wash	N Lond radio appratus	882-3
312453	6-3	Montauk	Wash	Montauk " "	736-37
311704	6-3	Hamp Rds	Wash	Hamp Rds " "	736-34

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RRADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.		
312454	6-3	Chatham	Wash	Chatham radio apparatus		736-33
312448	6-3	Pauillac	NY	France radio apparatus		736-9
312460	6-4	TBDS	N Y	Inspr Bethlehem radio apparatus		261-Q-6
"	"	"	N Y	Cramps, radio apparatus		142-Q-6
"	"	"	N Y	Union radio apparatus		171-Q-6
"	"	"	N Y	F R radio apparatus		161-Q-6
"	"	"	N Y	M Is. rdio apparatus		136-Q-6
312728	"	"	Boston	M Is. radio apparatus		136-q-6
312706	"	NEW YORK	N Y	C O & WYOMING telegraphy fittings		131-6
310905	6-4		Wash	Montauk	radio app for	819
310870	6-4		NY	Guantanamo	ditto	814
310407	6-4	Mine Force	Ny	Base 18	ditto	920
313028	6-5	TBD	WASH	CRAMP'S	radio apparatus	142-Q-6
312728	6-5	TBD	BOSTON	CRAMP'S	radio set	142-Q-6
313028	6-5	TBD	WASH	MARE ISLAND	radio apparatus	138-Q-6
313028	6-5	TBD	WASH	MARE ISLAND	radio apparatus	136-Q-6
313028	6-5	TBD	WASH	F R	radio apparatus	161-Q-6
312728	6-5	TBD	BOSTON	F R	radio set	161-Q-6
312728	6-5	TBD	BOSTON	UNION	radio apparatus	171-Q-6
312782	6-5	TBD	BOSTON	BETHLEHEM	radio apparatus	261-Q-6
313215	6-5	MISSISSIPPI	N Y	NORFOLK	radio apparatus	562-6
244083	6-5	MANGROVE	NY	Chasn	radio app for	678
244083	6-5	MAGNOLIA	NY	N Orl	ditto	678
244083	6-5	LILLAC and IVY	NY	Key West	ditto	

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[OVER.]

RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
308234	5-22	Mare Island	Wash	Mare Island radio wave meters	882-1
308728	5-22	Sewels Pt	Wash	N J radio apparatus	864
308530	5-22	Rockaway	NY	Rockaway radio apparatus	736-39
308730	5-22	"	Wash	" " "	736-39
308729	5-22	Chatham	"	Chatham " "	736-33
308574 To 308583	TO 5-22	To Stations listted Wash		-STATIONS LISTED short wave sets	898
295041	5-23	LV80	Chasn	Norf radio app for	678
308584	5-23	Vessels USS BD	Wash	Ports 15 Wire Spec.App Co's short wave Radio receiving sets	898
308904	5-23	VeesselsUSS BD	Retained as Wash	short wave receivers	898
308905	5-23	Vessels US S Bd	Wash	NY short Wave receiving sets	898
308906	5-23	Vessels US S Bd	Wash	Phila ditto	898
308524	5-23	Miami	"	Miami radio apparatus	736-36
309271	5-24	SOLACE	N Y	Norf/ Radio set	404-6
303859	5-24	LV86	NY	Bost radio app for	678
303859	5-24	LV 86	Wash	Bost ditto	678
309771	5-24	Radio Test Shop	Miami	Wash cable	906
308907 TO 308911	5-24	Stations listed	WAsh	Stations listed short wave radio sets	898
309236 TO 309242	5-24	Stations listed	Wash	Stations listed short wave radio sets	898

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
309595 To 309599	5-24	Stations listed	NY	Stations listed radio transmitting sets	898
308795	5-24	City College	NY	NY radio apparatus	793-5
308540	5-24	Chatham	NY	Chatham radio apparatus	736-33
309053	5-25		Wash	Gibraltar radio app	787-1
309641	5-25		Wash	SanDiego ditto	736-40
309637	5-25		Wash	Pensa ditto	736-38
309637	5-25		Wash	Pensa ditto	736-38
309642	5-25		Wash	Hamp Rds ditto	736-34
309643	5-25		Wash	Bayshore ditto	736-31
306809	5-25		NY	Pauillac France 15 Simon Panel Type aero radio transmitters	736-9
306809	5-25		Wash	EJSimon Storage batteries	736-9
306809	5-25		Wash	E.J.Simon radio app	736-9
306809	5-25		NY	Pauillac France ditto	
309640	5-25		Norf	Bost radio storage batteries	882-1
309764 to 309767	5-25	Stations listed	Bost	Stations listed radio transmitting sets	898
310115	5-27		Wash	St Augustine radio app	834
310111	5-27		Wash	Pauillac France radio app	736-9
310111	5-27		NY	Pauillac,France radio app	736-9

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[OVER.]

Number.	Date.	From or To—		Subject.	
284312	5-16	LEONIDAS	WASH	CO two radio receivers	264-6
303801	5-16	PAC FET	NY	PITSBURG radio head phones & cords	494
305182	5-15	Harvard	Wash	Cambridge radio app for	707
306921	5-17	Lakewood	Wash	Lakewood radio apparatus	793-5
306919	5-16	Montauk	Wash	Montauk eadio apparatus-	736-37
307426	5-17	NY	Wash	NY short wave radio receiv.sets-	898
307427	5-17	Chasn	Wash	Chasn " " " " "	898
306809	5-17	Pauillac	NY	France 15 radio transmitters	736-9
307092	5-17	Norf	NY	Norf radio transmitting sets	876
307093	5-17	Chasn	NY	Chasn " " "	876
307094	5-17	N Orl	NY	N Orl " " "	876
307103	5-17	Newport	NY	Newport " " "	876
307095	5-17	Grt Lakes	NY	Grt Lakes " " "	876
306922	5-16	Radio School	NY	Pelham Bay radio app for	707
306922	5-16	Radio School	Wash	Pelahm Bay ditto	707
306145	5-17	HUNGTINGTON	WASH	CO arc relay key	477-6
306928	5-18	PENNSYLVANIA	WASH	CO relay keys	130-6
306890	5-18	DELAWARE	WASH	CO radio field set	182-6
305546	5-18	SCHLEY	N Y	FORE RIVER radio apparatus	586-6
282264	5-18	TBDS:	BOSTON	BATH various fittings.	75-Q-6
307575	5-18	Pensa	Wash	Pensa 7 buzzer radio transmitters	736-1
307581	5-18	Manitowoc	Norf	Manitiwoc radio apparatus	771-2
307582	5-18	Superior	Norf	Superior radio apparatus	771-2
307580	5-18	Ports England	Wash	Ports England radio apparatus	787-1

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
307137	5-18	Mare Island	Bost	Mare Island 10,000 ft antenna wire	818
307431	5-18	Newpoert	Wash	Newport short waveradio recievers	898
307428	5-18	N Orl	Wash	N Orl " " " "	898
307429	5-18	Phila	Wash	Phila " " " "	898
307430	5-18	Grt Lakes	Wash	Grt Lakes " " W "	898
306110	5-20	Harv Radio	Norf	Cambridge radio app for	707
307791	5-20	LV94	Norf	Chasn ditto	678
307583	5-20	Grt Lakes	Norf	Grt Lakes radio apparatus	771-2
307588	5-20	NY	"	NY " "	771-2
307626	5-20	Wash	Phila	Wash radio material	736-1
306932	5-20	Grt Lakes	NY	Grt Lakes insulators	911
307798	5-21	SUPPLY	WASH	C O radio apparatus	422-6
308802	5-21	N Lon	"	N Lond " "	861
307856	5-21	City College	"	NY radio receiving set	795-5
307799	5-21	Ports Eng	NY	Ports Eng radio apparatus	787-1
307582	5-21	Superior	Norf	Wis radio apparatus	771-2
308803	5-21	Rockaway	Wash	Rockaway " "	736-39
308800	5-21	Montauk	"	Montauk " "	736-37
308801	5-21	Chatham	"	Chatham " "	736-36
307626	5-21	Phila	"	Phila " "	736-1
308533	5-22	PENNSYLVANIA	WASH	C O radio apparatus	130-6
307272	5-22	SUB CHASER	WASH	LIVERPOOL radio apparatus	112-6
307573	5-18				
308529	5-22	ships from Phila to Bost-M Is-Ports-Norf -NY radio compasses			919
308531	5-22	aviation detatchment Wash to Bost radio app for			707
~~308855~~	~~5-22~~				

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[OVER.]

Number.	Date.	From or To—		Subject.	
303859	5-10	LV 52	Norf	XXXXXX Deleware radio app for	678
303859	5-10	LV 52	Norf	Deleware ditto	678
303859	5-10	LV 52	Wash	Deleware ditto	678
303859	5-10	LV 52	canelled		
302494	5-10	Atlantic Flt	Ny	Atlantic Flt radio apparatus	787-1
302494	5-10	" "	Phial	" " " "	787-1
302494	5-10	" "	Wash	" " " "	787-1
302494	5-10	" "	Bost	" " " "	787-1
305725	5-13	AA-1	NY	Union one transmitting set	586-6
304491	5-13	CONNOR	NY	CO Battery.	580-6
"	"	"	"	" emergency tramsmitter	580-6
304941	5-11	Gibraltar	NY	Gibraltar radio apparatus	902
304753	5-11	San Juan	Wash	San JUan radio apparatus	897-1
304610	5-11	Exp St ation	Wash	N Lond radio apparatus	876
305726	5-11	Bu Annex SE	Wash	Bu Annex one amplifier	898
305742	5-13	Phila	Wash	Phila 2 radio receivers	919
304274	5-13	Cayey	Wash	Cayey radio apparatus	920-4
295041	5-13	LV23	NY	NY ditto	678
295041	5-13	LV 23	NY	NY ditto	678
306045	5-14	Paulliac	WAsh	France 15 radio transmitters	736-9
303415	5-14	TBDS:	BOSTON	NN CO. silicon bronze antenna wire	119-Q-6
301056	5-15	ANNAPOLIS	NY	CO 2 kw resonance transformer	117-6
266878	5-15	WISCONSIN	NORF	PHILA radio wave changer	484-6
298282	5-15	San Pedro	San Fran	SanPedro transmitting set	907

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
306428	5-15	Phila	NY	Phila radio transmitting sets	876
306429	5-15	Norf	NY	Norf " " "	876
306430	5-15	Wash	NY	Wash " " "	876
306431	5-15	Chasn	NY	Chasn " " "	876
306439	5-15	Bu	Norf	Bureau Stock catalogue complete for Radio	876
295041	5-14	LV13	NY	NY radio app for	678
299209	5-14	Radio Sta	Norf	Annapolis Material as listed	920-1
305550	5-14	Brest	NY	France radio apparatus	920
306046	5-14	Grt Lakes	NY	Grt Lakes " "	876
306047	5-14	N Orl	NY	N Orl radio transmitting sets	876
306048	5-14	Chasn	NY	Chasn " " "	876
306049	5-14	Norf	NY	Norf " " "	876
306050	5-14	Phila	NY	Phila " " "	876
306426	5-14	Ports	NY	Ports " " "	876
306427	5-14	Bost	NY	Bost " " "	876
305969	5-14	Azores	NY	Forces Operating out of radio apparatus	787-1
283240	5-16	U.S.S.BUSHNELL	Wash	BUSHNELL radio apparatus	907
307090	5-16	Ports	NY	Ports radio transmitting sets	876
307091	5-16	Phila	NY	Phila " " "	876
306432	5-16	Key West	NY	Key West " " "	876
306433	5-16	N Orl	NY	N Orl " " "	876
306434	5-16	Grt Lakes	NY	Grt Lakes " " "	876
~~306448~~	~~5-16~~	~~Stations listed Wash Nat'l Lamp Works Stations listed~~			
305977	5-16	TBDS:	M Is	Union bulkhead and column insulators	92-Q-6
305977	5-16	TBDS:	NY	UNION 6 top and 6 lower entering insulators	92-Q-6

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
302095	5-2	BLACK HAWK	Norf	BLACK HAWK radio apparatus	61-771
302095	5-2	" "	Wash	" " " "	61-771
302095	5-2	" "	NY	" " " "	61-771
302095	5-2	" "	Bost	" " " "	61-771
302095	5-2	" "	Phila	" " " "	61-771
303051	5-6	TBDS:	NY	BOSTON electrose insulators.	79-Q-6
303415	5-6	TBDS:	BOSTON	CO Antenna wire,	119-Q-6
300908	5-3	Norf	NY	Norf radio apparatus	824
[illegible]	[illegible]	[illegible]	[illegible]	Norf. [illegible] phaser sections	[illegible]
292635	5-4	Ports Eng	Wash	NY wave meters	787-1
303859	5-7	L.V.#52	N.Y.	Fensick Is Shoal radio app for	678
303859	5-7	L.V.91	N.Y.	Norf ditto	678
303859	5-7	L.V.91	Wash	Norf ditto	678
303859	5-7	L.V.52	Wash	N.Y. ditto	678
303859	5-7	L.V.91	Norf	L.V.91 ditto	678
303859	5-7	L.V.79	Wash	N.Y. radio short wave receiver for	678
303859	5-8	L.V.84	Wash	Chasn Radio app for	678
303859	5-8	L.V. 84	N.Y.	Chasn ditto	678
303859	5-8	L.V.84	Norf	Chasn ditto	678
303859	5-8	L.V.87	Wash	N.Y. short wave receiver	678
303859	5-8	L.V. 87	N.Y.	L.V.87 ditto	678
303859	5-8	LV.102	Norf	N Orl Radio app for	678
303859	5-8	LV 102	NY	N Orl ditto	678
303859	5-8	LV 102	Wash	N Orl ditto	678

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
303045	5-7	Bar Harbor	Phial	Ba r Harbor radio apparatus	920-2
303046	5-7	" "	Wash	" " " "	920-2
298731	5-7	Chatham	Wash	Chatham radio apparatus	920-5
303053	5-4	TBDS:	NY	UNION IRON WORKS electrose insulators	171-Q-6
304309	5-8	NEW MEXICO	WASH	NYtwo pole pieces complete with tips	554-6
272862	5-~~8~~ 9	Nav Radio	Bost	Cambridge radio app for	707
272862	5-9	Harv Radio	Wash	Cambridge ditto	707
303859	5-9	L.V.79	N.Y.	N.J. ditto	678
305061	5-10	SUBS	WASH	CO TWO WAVE METERS	1-7-6
"	"	"	"	BUFFALO four wave meters	"
"	"	"	"	HANNIBAL " " "	"
"	"	"	"	LEONIDAS " " "	"
"	"	"	"	New London 12 wave meters	"
304607	5-9	Hamp Rds	Wash	Hamp Rds radio apparatus	736-34
304609	5-9	Hamp Rds	Akron	Hamp Rds Radio apparatus	736-34
304608	5-9	Miami	Wash	Miami radio apparatus	736-34
304853	5-10	Keywest	Bost	Keywest radio app for	817
298589	5-10	Nav Rad Sta	Wash	Bar Harbor ditto	864
288033	5-10	Melville	Phila	NY radio compass	919
303045	5-10	Radio Sta	Wash	Bar Harbar radio app for	920-2
303415	5-11	TBDS	NY	NN electrose insulators.	119-Q-6
301212	5-11	"	BOSTON	Bath armored cable.	75-Q-6
304565	5-10	Ship Bldg Co's	Phila	S B Co's searchlights for Mine Fleet	706
305061	5-10	FC Lab	Ports	Wash Elec material for	647-13

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RADIO SHIPMENT REQUEST 1918

Number.	Date.	From or To—		Subject.	
295041	4-24	Vessel # 16	Wash	NY short wave radio receiver	678
295041	4-24	Vessel #16	NY	NY r dio transmitting set	678
295041	4-24	Vessel # 101	NY	Norf radio transmitting set	678
295041	4-24	Vessel #101	Wash	Norf short wave radio receiver	678
300200	4-24	Mare Isla	Wsh	Mare Isl 10 short wave radio receiving sets	-771-2
300199	4-24	Pug Sd	Wash	Pug Sd 103 short wave radio receiving sets	-771-2
300645	4-25	Vessels Ship Bd	Wash	NY 219 short wave radio receivers	771-2
300646	4-25	" " "	Wash	Norf 25 Sperry short wave radio receiv.	771-2
300647	4-25	" " "	Wash	Phila 25 Sperry & 83 Marconi Rad .Recev.	771-2
300648	4-25	" " "	NY	Phila 50 radio trans. sets	771-2
300652	4-25	" " "	Bost	Phila 2KW radio transmitting sets	771-2
282264	4-25	TBDS	Boston	bath cable and wire	75-Q-6
299209	4-25	Radio Sta	Norf	Annapolis Material (listed)	920-1
295041	4-25	Light Vessel # 46	NY	Norf radio trnasmitting set	678
295041	4-25	" " # 46	Norf	Norf storage battery	678
295041	4-25	" " # 46	Wash	Norf radio receiver	678
300653	4-26	Vessels U.S.SHIPBd	NY	Norf 2 radio transmitting sets	771-2
301718	4-30	MONTGOMERY	WASH	CO short wave receiving set	301-6
301717	4-30	GALVESTON	WASH	CO transmitter and two batteries	212-6
300556	4-29	NORTH CAROLINA	WASH	CO short wave receiving set	320-6
NSA1943	4-25	Brook	NY	Brook spark plugs	
NSA1943	4-27	France	NY	France spark plugs	
301383	4-27	RadioBase	Wash	Brest radio apparatus	787--1
301384	4-27	Radio Base	NY	Brest " "	787--1
301385	4-27	" "	Bost	Brest " "	787--1
301386	4-27	" "	Phila	Brest " "	787--1
301128	4-27	Cape	Wash	Cape May " "	736--1
301387	4-28	Punta Mala	NY	Balboa radio apparatus	850
300485	4-29	San Diego	Wash	San Diego " "	736-40
~~SE2548U~~	~~4-29~~	~~Cape May~~	~~NY~~	~~Cape May 6 spark plug wrenches~~	
~~SE27BU~~	~~4-29~~	~~Montauk~~	~~NY~~	~~Montauk Dixie magnetos and parts~~	

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To—		Subject.	
302103	4-30	GLACIRE	WASH	CO long wave receiving set	216-6
300100	5-1	OHIO	WASH	CO 1/4 kw port field set radio	323-6
301716	4-30	Gibraltar	NY	Gibraltar radio apparatus-	787-1
301719	4-30	Cape May	Wash	Cape May radio apparatus	736-32
301212	5-1	TBDS:	BOSTON	BATH IRON WORKS electrose insulators	75-Q-6
301926	5-1	Tuckerton	Wash	Tuckerton radio apparatus	920-9
301926	5-1	"	Phila	" " "	920-9
301903	5-1	Brook	Wash	Brook " "	793--5
301716	5-1	Gibraltar	NY	Gibraltar " "	787-1
301716	5-1	"	Wash	" " "	787-1
302355	5-1	YALE	Wash	Mare Isl " "	841-771
302104	5-1	NARRAGANSETT	Wash	Phila " "	541-771
302105	5-1	NOPATIN	Wash	" " "	498-771
302356	5-1	HARVARD	Wash	Mare Isl " "	302-771
300576	5-3	MONTGOMERY	NY	CO one 2-kw 125 volt trans set	301-6
302515	5-3	YORKTOWN	WASH	CO long wave receiving set	492-6
302826	5-3	IOWA	WASH	CO long wave receiving set	244-6
303056	5-4	TBDS	NY	FR electrose insulators	251-Q-6
"	"	"	"	" " "	161-Q-6
303415	"	"	"	NN"Co " "	119-Q-6
303059	"	"	"	Union Iron works " "	103-Q-6
303058	"	"	"	FR "	95-Q-6
303052	"	"	"	" "	86-Q-6
282264	"	"	"	Bath Iron Works "	75-Q-6
303057	"	"	"	Union Iron Works "	87-Q-6
300053	5-2	Belmar	Tuckerton	Belmar tension cable	920-3
302357	5-2	N Lond	Phial	N Lond 3 radio compasses	919

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Number.	Date.	FOR From or To—	FROM	TO.	Subject.	
298859	4/19	ST. PAUL	W ash	St PAUL	Receiver and audion box.	709-771
298870	4/19	ST. LOUIS	Wash	ST. LOUIS	Ditto.	708-771
298894	4/19	SHAWMUT	NY	SHAWMUT	Apparatus. W	699-771
298869	4/19	NEW YORK	Wash	NEW YORK	Receiver and audion box.	533-771
298658	4/19	PHILA	Wash	PHILA	Ditto	618-771
298895	4/19	AROOSTUK	NY	Ship	A pparatus.	24-771
299211	4-20	Academy School	Wash	Coast Gd N Lon	radio receiving setW	704
299212	4/22	Phila	Wash	Phila	Port radio mast.	890
299599	4/22	Hampt Rds	Norf Wash	Hampt Rds	Apparatus.	864
299103	4/20	Grt Lakes	NY	Grt Lakes	Electrose Insulators.	854
299178	4/20	ROANOKE	NY	ROANOKE	Apparatus.	664-771
299179	4/20	QUINNEDAUG	NY	Ship	Ditto	651-771
298899	4/20	HOUSATONIC	NY	Ship	Ditto	312-771
298812	4/20	COMFORT	Wash	COMFORT	Audion box and bulbs.	305-771
298896	4/20	CANONICUS	NY	Ship	Apparatus.	84-771
298897	4/20	CANANDAIGNA	NY	Ship	Apparatus.	82-771
299181	4/20	BLACK HAWK	NY	Ship	Apparatus.	61-771
299182	4-20	BALTIMORE	N.Y.	Ship	Apparatus	126-6
299223	4-20	PENN	N.Y.	Ship	Apparatus	130-6
296241	4-20	BUFFALO	N.Y.	BUFFALO	Apparatus	144-6
296877	4-20	ditto	Wash	BUFFALO	Radio aux set	144-6
296140	4-20	Simms	N.Y.	Simms	apparatus	360-6
295041	4-22	Light Vessel #3	NY	Bost	radio apparatus	678
295041	4-22	Light Vessel #3	Wash	Bost	short wave receiver	678
295041	4-22	Light Vessel # 54	NY	Bost	radio apparatus	678
295041	4-22	Light Vessel #54	Wash	Bost	short rave radio receiver	678

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—		Subject.	
299272	4-18	TBDS:	NY	PHILA electrose insulators	113-Q-6
299204	4-20	"	"	" " "	125-Q-6
299213	4-20	MAUMEE	WASH	NY one 20 kw 120 volt rad arc trans set	556-6
288619	IDAHO 4-20	IDAHO	NY	NYS radio equipment	563-6
299214	4-22	SAN DIEGO	WASH	CO audion box short receiving set	147-6
298195	4-22	VIRGINIA	NY	CO phone-batteries-chargin panels	465-6
299225	4-22	UTAH	"	" " " "	455-6
299227	4-22	MISSUORI	" "	" " " "	292-6
299224	4-22	MINNESOTA	"	" " " " "	290-6
299226	4-22	CONNECTICUT	"	" " "	169-6
299223	4-22	ARKANSAS	"	" " "	121-6
298196	4-22	ALABAMA	"	" "	107-6
295045	4-19	AA-1	NY	Boston 1/2 lw trans set	586-6
298895	4-20	SARANAC	NY	CO phones batteries charging panels	1291 SP
299228	4-23	PENN	WASH	CO radio appratus	130-6
279873	4-23	NIAGRA	NY	CO radio apparatus	136-SP
299365	4-23	Bridgeport	Wash	Bridgeport Conn Radio buzzer & Blinker set	698
299871	4-23	Sims	Wash	Sims radio compass	919
291724	4-23	Hamp Rds	Wash	Hamp Rds radio apparatus	736-1
299869	4-23	Miami	Wash	Miami radio apparatus	736-1
299870	4-23	Pens	Wash	Pensa radio apparatus	736-1
299865	4-23	Rockaway	Wash	Rockaway 1 radio transmitting set	918
299866	4-23	Key West	Wash	Key West 2 " " "	918
299867	4-23	Hamp Rds	Wash	Hamp Rds 1 " " "	918
29968	4-23	Pensa	Wash	Pensa 1 " " "	918

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Number.	Date.	From or To—		Subject.	
296140	4-10	PRAIRIE	NY	CO Starting panels aut & hand 2 each various arctilces of radio equipment	360-6 360-6
296151	4-10	BUFFALO	NY	CO starting panels various articles of radio equipment.	144-6
296292	4-10	DIXIE	NY	CO two complete sets of spares for 5 kw radio motor generator	188-6
296291	4-10	DOROTHEA	WASH	KEY WEST one short wave receiver	191-6
296150	4-10 VOID	SAN FRANCISCO	NORF	CO one arc signalling searchlight	389-5
296595	4/15	Wash	NY	Wash Wave meters.	893
296595	4/15	Radio Lab	Wash	NY Telefunken wave meter.	893
296785	4/15	Brest	Wash	Brest Receiving valves.	787-1
297931	4-16	MANCHURIA	Wash	MANCHURA long wave radio receiver and one Audion control box-W	771
297929	4-16	USS LANAPE	Wash	USS LANAPE one long wave radio receiver one Audion control box	444-771
296968	4-12	BIRMINGHAM	BOSTON	CO one high tension antenna switch	138-6
"	"	"	NY	CO one 5 kw blower cool quench spar gap	138-6
296877	"	BUFFALO	WASH	CO one Gen RadionCo aux radio set	144-6
294111	4-15	GWIN	NY	PUG SD phones-batteries-panels	579-6
293883	4-15	CRAVEN	"	NORF " " "	578-6
297378	4-15	SEATTLE	WASH	NY amplifiers	474-6
"	"	"	"	NORF "	474-6
292060	4-15	TBDS	NY	PHILA phones-batteries-panels	113-Q-6
293215	"	"	"	M IS " " "	93-Q-6
292043	"	"	"	" " " "	87-Q-6
292042	"	"	"	BOSTON " " "	82-Q-6
294123	"	"	"	" " " "	79-Q-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—	Subject.	
292041	4-15	TBDS NY	PORTS phones-batteries- panels	75-Q-6
296389	4/16	PENNA NY	PENNA Trans set	130-6
295041	4-17	Light Vessel #41 NY	NewportRadio apparatus	678
295041	4-17	Light Vessel #41 Wash	Newport one short wave radio receiver	678
291724	4-17	Hamp Rds Wash	Hamp Rds Trans set	736-1
295375	4/18	RALEIGH Wash	RALEIGH Trans set	368-6
298857	4/18	SO DAKOTA Wash	SO DAKOTA Audion B battery	408-6
298480	4/18	PETREL Wash	PETREL Rec set	348-6
297932	4/18	KROONLAND Wash	KROONLAND Receiver and audion box.	407-771
291724	4-18	Seaplanes Wash	Ham Rds Transmitter	736-1
297916	4-18	ONONDAGA Wash	N London radio apparatus	704
295041	4-18	Light Vessel #4 NY	Bost 1/2 KW radio transmitting set	678
295041	4-18	Light Vessel #4 Wash	Bost short wqve radio receiver	678
295041	4-18	Light vessel #5 Wash	Bost short wave radio receiver	678
295041	4-18	Light Vessel #5 NY	Bost 1/2 KW radio transmitter set	678
295041	4-18	Light Vessel #73 Wash	Bost short wave radio receiver	678
295041	4-18	Light Vessel #73 NY	Bost 1/2 KW radio transmitting set	678
294942	4/18	Phila Wash Bost	Phila Apparatus for shipt abroad.	920
294942	4/18	Abroad Phila	Abroad Apparatus.	920
295041	4-19	Light Vessel #23 NY	Newport 1/2 KW radio transmitting set	678
295041	4-19	Light Vessel #23 Wash	Newport short eave radio receiver	678
295041	4-19	Light Vessel #13 NY	Newport 1/2 KW radio transmitting set	678
295041	419	Light Vessel #13 Wash	Newport short wave radio receiver set	678
294942	4/19	Shipt abroad Yards	Phila Various apparatus.	920
298868	4/19	NY Wash	NY Litzendraht wire.	906
298560	4/19	NY Wash	NY Transmitter.	898

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Number.	Date.	From or To— FOR	FROM	TO	Subject.	
292944	4/8	Sims	Yards	Quemnstown Ire.	Radio apparatus.	736-9
293844	4/8	ORIZABA	Wash	ORIZABA	receiving set	574-771
292893	4/8	SIBONEY	Wsh	SIBONEY	receiving set	569-771
293844	4-2	ARKANSAS	NY	WASH	one long wave receiving set	121-6
293844	4-3	ARKANSAS	WASH	CO	long wave receiving set	121-6
296146	4/9	Azores	NY	Azores	Armature.	787-1
925153	4/8	Patrol Force	Wash	Key West	Port set.	896
295049	4/8	Annapolis	NY Wash	Bost Annapolis	Apparatus.	920
295312	4/8	Ports	Wash	Ports	Rec set and head tele	832
293407	4-5	TBDS	PHILA	NYS	6 radio compasses	125-Q-6
292061	4-5	"	"	Norf	"	119-Q-6
292060	4-5	"	"	Cramps	"	113-Q-6
293215	4-5	"	"	Mare Island	one radio compass	94-Q-6
292043	4-5	"	Phila	"	16 radio compasses	87-Q-6
292042	4-5	"	"	Boston	12 radio compasses	82-Q-6
294123	4-5	"	"	"	3 radio compasses	80-Q-6
292041	4-5	"	"	Ports	8 radio compasses	75-Q-6
296388	4/10	Test	NY	Wash	Induction coil	876
296290	4/10	Test	NY	Wash	Trans set	876
294724	4/9	City College	Wash	NY	Radio head telephones.	876
296143	4-10	BLACKHAWK	NY	BLACKHAWK	radio apparatus	61-771

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RADIO SHIPT REQTS

Number.	Date.	From or To—		Subject.	
294111	4-5	GWIN	PHILA	SEATTIE radio compass	579-6
293883	4-5	CRAVEN	"	NORF "	578-6
294204	4-5	VERMONT	WASH	CO one short receiving set	456-6
295758	4-8	SP RICHWOOD	Chasn	Pensacola 1/2 kw gas engine driventrans	597 SP
295042	4-6	AA-1	NY	Boston 10-1/2kw trans Simon	586-6
3	4-6	"	"	" 6- trans sets Simon	"
4	4-6	"	WASH	" 11 short wave receiving sets 11 audion control boxes	"
5	4-6	"	NY	Lake 7- 1/2 kw trans sets.	"
296460	4/11	Bel mar	Phila	Belmar Rheostats	920-3
296693	4/11	Belmar	Wash	Belmar Batteries.	920-3
296852	4/11	T.Johnson	Wash	Marconi Co Litzendraht wire.	906
297175	4-12	New Brunswick	Phila	New Bruns radio apparatus	793-5
296145	4-9	HENLEY	WASH	PHIL 50 sets radio compass parts	442-6
296145	4-9	"	Boston	Phila 1 1/4 kw emerg trans set	442-6
297549	4-13	ANNISTON	Wash	Norf One long wave radio receiving set- one Audion Control Box W	771
297240	4-13	RadioSchool	Wash	Harvard 6- Audion "B" Batteries	707
297177	4/13	POSEIDON	M.Is.	Ship Radio set.	771-3
~~296932~~	4/13	Queenstown	Ire. NY	Queenstown Radio telephones, etc.	876
297370 294336	4/13	Arlington	Wash	Bu " Receiving set.	841
296142	4-10	BRIDGEPORT	NY	CO Two AUT starting panels Two hand starting panels	8-X-6
"	"	"	"	" various radio articles of equipment	"
296851	4-11	"	WASH	CO One short wave wave meter	"
296144	4-10	MELVILLE	NY	CO Radio equipment starting panels	510-6

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RADIO SHIPMENT REQUESTS

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Number.	Date.	For From or To—	From To	Subject.	
293898	4/1	CALAMARES	Wash Ship	Rec setand audion box.	80-771
293441	4/1	RYNDAM	Wash NY	Rec set and control box.	771-3
293441	4/1	ZEELANDIA	Wash NY	Rec set and control box.	771-3
293565	4/1	S.B.Vessels	Norfolk New Orl	Stor batteries.	771-2
293566	4/1	Ditto	Norf New Orl	Ditto.	771-2
292757	4/2	Sims	Wash NY Sims	Apparatus.	920
264757	3/29	Marine Corps	NY Ft Crocket	Gasoline engine muffler.	876
292060	3-29	TBDS:	WASH PHILA	6 short wave wave meters.	113-Q-6
281613	4/1	Stations in France	NY France	Apparatus.	920
706	4/1	FINAIND	Wash FINAIND	Rec set and audion box	771
232774	4/3	Stock	NY Norf	Engine muffler.	862
293407	3-30	TBDS	WASH NY	6 short wave wave meters	125-Q-6
292061	3-30	TBDS:	WASH NN	6 short wave wave meters	119-Q-6
254 036	4/3	Navassa Isl	NY Guantanamo	Gas engine muffler	793-5
294502	4/4	Radio Room	Wash Radio Room	Amplifier and meter	615--26
293845	4/2	Dr Dolgsmith	Wash NY	Batteries for audion.	876
293841	4/2	TENADORES	Wash Ship	Rec set and audion box.	727-771
293836	4/2	PRINCESS MATOINA	Wash Ships	Ditto.	626-771
293840	4/2	PASTORES	Wash Ship	Ditto	607-771
293838	4/2	H.R. MALLORY	Wash Ship	Ditto.	510-771
244031	4/2	Bar Harbor	Wash Bar Harbor	Apparatus.	876
292140	4/2	Managua	Wash Managua	Trans relay key	858
292162	4/2	Azores	Wash Boston Azores	Apparatus.	787-1

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To-	FROM	TO	Subject.	
293839	4/2	MATSONIA	Wash	Ship	Receiving set and audion box.	496-771
293485	4/4	Special Mounts	Wash	Phila	Portable sets.	897
294515	4/4	Pearl Harbor	Wash	Pearl Harbor	Wavemeter.	852
294175	4/4	IOWAN	Wash	IOWAN	Head telephones, etc.	354-771
295034	4/5	GIBRALTER	NY	Gibralter	Radio telephones, etc.	902
295033	4/5	MELVILLE	NY	MELVILLE	Ditto	902
286426	4/5	Brest	NY	Brest	Ditto.	902
295112	4/5	Radio Lab	Wash	Bost	Radio trans set	898
295113	4/5	Radio Lab	Wash	Phila	Ditto.	898
292740	4/5	Dutch Harbor	Wash	Dutch Harbor	Rec set and audion box	845
291280	4/5	New Orl	Wash	New Orl	Wavemeters.	771-2
290816	4/5	R.E.Robinson	Wash	Na v Acad	Portable masts, etc.	674
293723	4/1	Observatory	Wash	Observatory	Apparatus.	876
295345	4/6	City College	Bost	NY	Lighting switches.	793-5
291169	4/6	Cape May	Wash	Cape May	Radio sets	736-1
292740	4/5	Pt Royal	NY	Pt Royal	Radio lighting switch.	848
293407	3-30	TBDS	WASH	NYS	6 short wave meters	125-Q-6
"	4-3	"	Boston	NYS	transmitter	"
"	"	"	NY	Phila	battersi for transmitters	"
294110	4-2	CONNOR	PHILA	NY	one radion compass	580-6
294111	4-2	GWIN Reqt shipt trans set	NY	Seattle	battery for trans set	579-6
"	"	"	Boston	"	Emergnecy transmitting set	"
293883	4-2	CRAVEN	"	NORF	emergency transmitter	578-6
"	"	"	NY	Norf	battery for trans set	"

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
291721	3/25	Key West	Wash	Key Westc	Panel transmitters.	736-1
291722	3/25	Rockaway	"	Rockaway	Ditto	"
291723	3/25	Pensa	"	Pensa	Ditto	"
291724	3/25	Hampt Rds	"	Hampt Rds	Ditto	"
292042	3-25	TBDS:	NY	BOSTON	22 storage batteries.	82-Q-6
292040	3-25	MINNESOTA	WASH	CO	long wave receiving set	290-6
286590	3/26	Nav Acad	Wash	Nav Acad	Various apparatus.	920
292073	3/26	Norf	Wash	Norf	Audion batteries.	824
292234	3/26	Belmar	Sayville	Belmar	Perforator for use with automatic transmitter.	793-5
292227	3/26	M.Is	Bost	M.Is.	Trans set for merchant ships	771-2
292229	3/26	Chasn	Bost	Chasn	Ditto.	771-2
292228	3/26	GEORGIA	NY	Texas Co	Insulating rods for gap	771
292061	3-26	TBDS	NY	NN	Storage batteries	119-Q-6
292060	3-26	TBDS	NY	PHILA	" "	113-Q-6
292041	3-26	TBDS	NY	PORTS	" "	75-Q-6
286426	3/27	Brest	NY	Brest	Charging panels.	902
273033	3/27	Anti Sub Div	NY	England	Apparatus.	902
292635	3/27	Capt Leigh	NY	England	Tools for radio work.	787-1
292052	3/27	MAUI	NY	Wash	Rec set and audion box	500-771
292074	3/27	Merchant ships	Wash	Pug Sd	Decremeters.	771-2
290927	3/27	City College of NY	Wash	NY	Apparatus.	793-5
290927	3/28	City College	Bost	NY	Inductances.	793-5
290591	3/28	Azores	NY	Azores	Apparatus.	787-1
292825	3/28	Black HAWK	NY	Ships	Apparatus.	61-771

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.	
292825	3/28	BLACK HAWK	Phila	Ship Radio apparatus.	61-771
292636	3/28	Sperry Co	Phila	Sperry Co 36" low power searchlight.	708
292692	3-27	ROCHESTER	WASH	CO AUDION CONTROL BOX	316-6
292237	3-27	SAVANAH	"	" receiving set and one audion box	80-X-6
292060	3-27	TBDS	BOSTON	PHILA 6 transmitting sets.	113-Q-6
291115	3-27	TBDS:	WASH	LITTLE short wave wave meter	79-Q-6
292697	3-27	TBDS:	WASH	UNION IRON WORKS short waver rec'f set audion control box	92-Q-6
292697	3-27	TBDS:	MARE IS	UNION 6 transmitting sets.	92-Q-6
292739	3/29	GULFPORT	Phila B ost	Chasn Spark gap and transfer switch.	265-771
292825	3/29	BLACK HAWK	Bost	Wash Radio apparatus.	61-771
289762	3-28	FLORIDA	WASH	CO RECEIVING SET	205-6
292693	3-28	CHICAGO	"	" audibility meter	158-6
~~293045~~ ~~292061~~	3-28	TBDS	NY	NN storage batteries.	119-Q-6
292061	3-28	"	BOSTON	NN 12 radio trans sets	" " "
292832	3-28	"	"	MARE ISALAND 2- 1/4 kw emergency sets	93-Q-6
292842	3-28	"	NY	Mare Island storage batteries	" " "
292043	3-28	"	Wash	Union 16 short wave wave meters	87-Q-6
"	"	"	Boston	" " " "	"
292042	3-28	"	WASH	FR 22 " "	82-Q-6
292041	3-28	"	"	Bath 8 " "	75-Q-6
293215	3-29	TBDS:	WASH	M IS 2- short wave-wave meters.	93-Q-6
293844	4/1	ORIZABA	Wash	Ship Rec set and audion box.	574-771
293835	4/1	SIBONY	Wash	Ship Receiving set and audion box.	569-771

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
289435	3/16	Brenton Reef Light Vessel	NY	Newport	Radio apparatus.	678
289435	3/16	Ditto	Wash	Newport	Rec set	678
289016	3-16	SAN FRANCISCO	NY	CO	various articles radio material	389-6
289016	3-16	SAN FRANCISCO	NY	CO	insulators	389-6
289426	3-16	MINNESOTA	WASH	CO	two audion B batteries.	290-6
288689	3/18	Cherrystone	Yards	Norf	Apparatus.	864
288695	3/18	Wilmington Sta	Yards	Chasn	Apparatus.	864
289437	3/18	Norf	Wash	Norf	Trans set	824
289874	3-18	BUFFALO	NORF	CO	5-kw radio motor generator	144-6
275961	3-18	TEXAS	WASH	NY	one relay key.	132-6
289865	3-18	PRAIRIE	NORF	CO	5-kw radio motor generator	360-6
"	"	"	phila	CO	elec tools and various articles	360-6
"	"	"	Boston	CO	Radio material	360-6
"	"	"	Wash	Co	radio material	360-6
"	3-19	"	NY	CO	5-kw transmitting set.	360-6
290693	3/20	Chatham	Wash	Chatham	Audibility meter.	920
290694	3/20	City College	Wash	NY	Audion bulbs.	876
281613	3/21	Lorient France	NY	Lorient	Apparatus.	920
287679	3/21	Lab Phila	Wash	Phila	Wave meters.	916-5
289041	3/21	4th Dist	Wash	4th Dist	Wave meters.	893-4
269119	3/21	Pug Sd	Wash	Pug Sd	4 decremeters.	893-1
289876	3-20	BUFFALO	BOSTON	CO	articles radio material	144-6
289876	3-20	BUFFALO	PHILA	CO	radio material	144-6
245724	3-20	NEW YORK	BATH	5 KW Marconi transmitting set.		131-6

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RADIO SHIPMENT REQUESTS. ~~286426~~

Number.	Date.	From or To—		Subject.	
286426	3/22	Brest	NY	Brest Radio telephones.	902
291476	3/22	Grt Lakes	Wash	Grt Lakes Decremeter.	893-1
290372	3/22	Tuckerton	Wash	Tuckerton Wavemeter.	891
287649	3/22	Pearl Harbor	Wash	Pearl Harbor Audion bulbs.	852
291238	3/22	Key West	Wash	Key West Receiving sets.	736-1
291236	3-22	ARETHUSA	WASH	CO long wave receiving set.	~~120-6~~
291237	3-22	ARKANSAS	PHILA	CO radio compass	~~121-6~~
290851	3-21	PENNSYLVANIA	NY	CO Sperry Aux trans buzzer gap	~~130-6~~
290851	3-22	"	WASH	CO long and short wave receiving sets	130-6
290696	3-21	BUFFALO	WASH	CO radio material	~~144-6~~
"	3-21	"	NY	CO 5-kw trasnmitting set Marconi	~~144-6~~
290695	3-21	BRIDGEPORT	NY	CO 5-kw transmitting radio set	~~8-X-6~~
"	3-21	"	NORF	CO 5-kw motor generator	~~8-X-6~~
282184	3-22	NORTH DAKOTA	BOSTON	NY propellers and propeller caps	~~321-14~~
289040	3-23	PAUL JONES	WASH	CO short wave receiver.	338-6
282648	3/23	Tuckerton	Marconi Sta	Tuckerton Apparatus.	736-1
281613	3/25	Bordeaus	NY	Bordeaus Trans sets.	920
281613	3/23	Lorient & Bordeaus Yards		France Apparatus.	920
288721	3/23	Belmar	Wash	Belmar Audibility meters.	920
289761	3/23	Marine Corps	Wash	Phila Radio apparatus.	876
284724	3/23	Phila	Wash	Phila Radio compasses.	876
281613	3/25	Lorient	NY	Lorient Radio motor generators.	920
273033	3/25	Sims	Wash	Sims Radio apparatus.	902
291720	3/25	Miami	Wash	Miami Panel transmitters.	736-1

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Number.	Date.	From or To—	Subject.	
282503	2-23	SHURZ NORF	CHASN 2-kw radio key hand operating	81-X-6
282503	2-23	" WASH	CHASN receiving set and control box	81-X-6
279891	2-23	CLEVELAND NY	CHASN 5-kw wave changer	162-6
283319	2-23	MINE SWEEPERS NY	BALTO DD CO trmas set (20)	1-S-6
"	"	" WASH	" receiving set (20)	"
"	"	" "	Staten Is S B CO. receiving set (8)	"
"	"	" NY	" trans set (8)	"
"	"	" WASH	BALTO DD CO receiving set (21)	""
"	"	" NY	" trans set (21)	"
283444	2/26	Otter Cliffs Wash	O tter Cliffs Apparatus.	920
283559	2-25	MARS WASH	CO receiving set	279-6
283917	2-26	ARKANSAS WASH	CO 100 volt storage battery Edison	121-6
284724	2/28	City College Wash	City College Radio compasses, etc.	876
275894	2-27	SUBS NY	LAKE insulators	590-6
284289	2-27	MT. VERNON WASH	CO TWO adapters for audion bulbs	42-X-6
281613	3/1	French Stations Wash	France Apparatus.	920
285980	3/1	Pt Isabel Wash	Pt Isabel Audion control box.	853
284691	2-28	AJAX WASH	CO long receiving set.	106-6
284309	3-1	RHODE ISLAND WASH	CO short radio receiving set	377-6
284735	3-1	DELAWARE WASH	CO 8 doz ever ready batteries	182-6
282460	3-1	MINE SWEEPERS WASH	PUG SD radio receiver (26)	1-S-6
"	"	" NY	" trans set (26)	1-S-6
"	"	" "	" " " (25)	1-S-6
"	"	" WASH	" radio receiver (25)	1-S-6
275741	3-4	FREDERICK WASH	CO sudion control box	280-6
267304	3/8	ITASCA Wash	Chasn Long wave receiver.	704

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR	From or To—	FROM	TO.	Subject.	
287527	3/9	Radio Lab		Wash	Phila	Radio compass.	916-5
287526	3-9	TBDS		WASH	FR	radio material	79-Q-6
287492	3/11	Puerto Plata		Wash	Puerta Plata	Apparatus.	897-1
286412	3/11	Tuckerton		Wash	Tuckerton	Batteries.	891
244031	3/11	Bar Harbor		NY	Bar Harbor	Trans set.	876
286316	3/11	Sims		Wash	Sims	Batteries.	787-1
287541	3/11	Harvard School		NY Wash	Harvard	Apparatus.	707
~~287680~~	~~3-11~~	~~PAUL JONES~~		~~WASH~~	~~PHILA~~	~~short wave receiving set~~	~~338-6~~
279299	3-9	CONNOR		WASH	NY	storage battery cells.	580-6
288032	3/12	MELVILLE	Brest Gibralter		Phila	Radio compasses.	919
288035	3/12	Chatham		Wash	Chatham	Radio trans	736-1
288069	3/12	Hampt Rds		Wash	Hampt Rds	Foreign radio app at yard	736-1
288070	3/12	Hampt Rds		Wash	Hampt Rds	Storage batteries.	736-1
231579	3/14	New Haven		NY Wash	Phila New Haven	Apparatus.	876
288694	3/14	Provincetown		Yards	Bost	Apparatus.	864
288500	3/15	Montauk Pt		Wash NY	Montauk	Radio apparatus.	864
288511	3/15	Barnegat		NY Wash	Phila Barnegat	Apparatus.	864
289284	3/15	Pensa		Wash	Pensa	Transmitters	918
289285	3/15	Pensa		Wash	Pensa	Transmitters	918
289287	3/15	Miami		Wash	Miami	Transmitters	918
288344	3-14	ARKANSAS		WASH	CO	8 audion bulbs	121-6
288692	3/16	Lewes		Yards	Phila	Apparatus.	864
288693	3/16	Georgetown		Yards	Chasn	Apparatus.	864
288740	3/16	Boothbay		Yards	Bost	Apparatus.	864

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Number.	Date.	From or To— FOR	FROM	TO.	Subject.	
280408	2/11	Irland	Wash	Dublin	T rans sets.	736-9
279948	2/11	Compasses	Wash	Phila	Material for compasses.	919
279425	2-9	SALEM	WASH	BOSTON	short wave receiver	384-6
279425	2-9	SALEM	NY	NX BOSTON	%)KW QUENCHED SPARK GAP 384-6	~~[illegible]~~
279794	2-9	ARKANSAS	WASH	CO	radio receiving set	121-6
280029	2/12	NO PACIFIC	Wash	Pug Sd	Rec set and audion control box	535-771
280474	2/12	Harvard School	Wash	School	Trans set	707
278047	2/9	Radio Lab	Bost	Phila	Mica condensers.	882-1
279642	2-11	HENLEY	WASH	CO	one long wave receiving set.	442-6
275962	2/13	Cape May	Wash	Cape May	Rec set and audion box.	793-5
275962	2/13	Cape May	Phila	Ditto	Material for antenna.	793-5
280664	2-12	OLYMPIA	WASH	CO	long wave receiving set.	324-6
281441	2/14	Haiti	N	Haiti	Trans set.	865
281022	2/14	Miami	Wash	Miami	Rec set and audion box	736-1
281022	2/14	Miami	Chasn	Miami	Apparatus for antenna.	736-1
278197	2-13	DENVER	WASH	CO	one audion control box.	184-6
281370	2/15	VOID.				
281371	2-14	FREDERICK	MARYLAND	CHATHAM	Mass. audibility meter/	280-6
281372	2-14	CONNECTICUT	CO	BAR HARBOR	one audibility meter.	169-6
281613	2/18	France	NY Wash	Lorient	Radio apparatus.	920
271533	2/18	European Force	Wash	Sims	Vacuum tubes.	898
282066	2/18	Hampt Rds	Wash Norf	Hampt Rds	Radio apparatus.	864
281113	2/18	Chas	Wash	Chas	Rec set.	807
281748	2-16	CALDWELL	NY	CO	motor gen,box spare parts,start panel	577-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
281745	2/19	G.H.Clark	Wash	Miami	Galena crystals.	908
282066	2/18	Hampt Rds	Norf Wash	Hampt Rds	Apparatus.	864
282481	2/19	Hampt Rds	Wash	Hampt Rds	Ditto	864
281341	2-18	SUBS	WASH	BOSTON	16 radio blinker signal sets	574-6
281690	2-18	SUPPLY	NY	CHASN	one 5-kw 125 volt trans set	422-6
281613	2/20	Points in France	Yards	France	Radio apparatus.	920
281754	2/20	Brest, France	Wash	Phila Brest	Radio apparatus.	787-1
281697	2-19	SUB CHASERS	BOSTON	PORTS	3 trans sets and 3 receivers	1-Z-6
282463	2-19	MINE SWEEPERS	NY	CHESTER SB CO	trans set	1-S-6
ditto	"	"	Wash	v Ditto	radio receiver type CN-113A	ditto
262464	2/21	NO DAKOTA	Wash	Ship	Rec set.	898
282066	2/21	Hampt Rds	NY	Hampt Rds	Gen set.	864
282964	2/21	Norf	NY	Norf	Trans set	824
282597	2/21	French Stations	NY	Stations	Tools for repair bases.	787-1
282785	2-20	PENNSYLVANIA	NY	CO	1500 lb package radio sets property Fritz Owenstein.	130-6
282463	2-20	MINE SWEEPERS	WASH	CHESTER S B CO	portable receiver (14)	1-S-6
"	"	"	"	PUSEY JONES CO	" (18)	1-S-6
"	"	"	NY	"	trans set (18)	1-S-6
"	"	"	WASH	CHESTER S B CO	" (14)	1-S-6
282965	2-21	MISSISSIPPI	WASH	NORF	1/4 radio field arc set	562-6
282871	2-21	ARKANSAS	WASH	CO	audion control box	121-6
283240	2/25	BUSHNELL	Wash NY B ost	BUSHNELL	Radio spare parts.	907
283341	2/25	Key West	Wash	Key West	Wave meters.	893-4

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
277804	2/1	CONSTANTIA	Bost	New Orl	Trans set.	771-1
276615	1-31	D-2	WASH	CO	Edison battery	221-6
277093	1-31	SUB CHASERS	BOSTON	PORTS	transmitting set	1-Z-6
278278	2-2	TBDS:	NY	NY	BOston 5 transmitting sets.	81-Q-6
234937	2-2	TBDS:	NY	NY	BSTH)PORTS 4 transmitting sets	75-Q-6
276135	2-2	SALEM	WASH	CO	8 audion bulbs	384-6
277325	2-1	PERY	WASH	CO	radio receiving set	347-6
222220	2-1	MONTANA	PHILA	CO	radio compass type SE 596	
278427	2/2	Ships	Wash	MLIs. Pug Sd	Receivers.	771-2
278428	2/2	"	Wash NY	Yards	Receivers and trans set.	"
278429	2/2	stock	Wash	NY	Receiver.	"
278427	2/4	Ships	NY Pug Sd	Phila M.Is.	Trans sets.	"
278430	2/4	Ships	NY Wash	Yards	Trans sets. Receivers.	"
278127	2/2	"	Wash Pug Sd Wash	M.Is. MLIs. Pug Sd	Receivers. Trans sets. Receivers.	"
278128	2/2	"	Wash NY	Yards	Apparatus.	"
278129	2/2	"	NY	New Orl M.Is.	Radio sets.	"
278130	2/2	"	Bost	Yards	Radio sets.	"
278426	2/2	"	Bost	Chasn	Radio set	"
278658	2/4	Lake	Wash	Lake	Audition control box, etc.	876
278659	2/4	Geo A.Campbell	Wash	Lake	Ditto.	876
277956	2-2	PROTEUS	NORF	CO	Lowenstein spark gap	164-6
278179	2/5	El Cayey	Wash	El Cayey	Head radio telephones.	835
278433	2/5	S.B.Vessels	NY	New Orl	Trans sets.	771-2

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
278426	2/5	S B.Vessels	Bost	New Orl	Trans sets.	771-2
278132	2/5	Ditto	Wash	Bost Chasn	Receiving sets.	771-2
278131	2/5	Ditto	Wash	M.Is. Pug Sd	Receiving sets.	771-2
278658	2/6	Geo A. Campbell	UTAH	Lake	Audibility meter.	876
279247	2/6	John Hopkins U.	Wash	Balto	Trans set	797
278431	2/6	Shipping Bd Ves	Wash NY	Yards	Apparatus.	771-2
278432	2/6	Ditto all thru.				
247361	2/7	Block Island	Wash NY	Block Isl.	Receiving sets.	864
278432	2/7	S.B.Vessels	Wash	NY	Receiving sets.	771-2
279074	2-6	BRIDGEPORT	WASH	PHIA	RADIO MATERIAL	8-X-6
"	"	"	PHILA	CO	"	"
"	"	"	BOSTON	PHILA	"	"
"	"	"	ny	CO	"	8-X-6
279410	2-7	TRUXTON	NY	BREST,FRANCE	radio material	450-6
278743	2-7	PRAIRIE	WASH	CO	LONG WAVE RECEIVING SET	360-6
279399	2-7	GALVESTON	WASH	CO	long wave receiving set	212-6
279641	2/8	Miami	Wash	Miami	Trans set.	918
279619	2/8	Stock	Best 786 Wash	Ports	Trans sets and receivers.	876
278658	2/8	G.A.Campbell	Wash	~~Bridgeport~~	~~Inductance coils.~~	876
279239	2-8	CHARLESTON	WASH	BOSTON	2-20kw transmitting sets	153-6
279401	2-8	WALKE	WASH	CO	long wave receiving set	471-6
279400	2-8	PERKINS	WASH	CO	long wave receiving set	346-6
279945	2/11	NY	Wash	NY	Tone testers.	876
279946	2/11	Stock	NY	Bost	Quenched spark gaps.	876

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RADIO SHIPMENT REQUESTS 1918 ✓43

Number.	Date.	From or To—		Subject.	
271457	1-19	MISSISSIPPI	WASH	CO 20 tel keys 20 single ear pieces.	562-6
274645	1-19	MINE SWEEPERS	wash	shooter's Island port radio receiver	1-S-6
"	"	"	"	Port Richmond receiver	1-S-6
"	"	"	"	" 1-kw 120-volt transmitting set.	1-S-6
"	"	"	"	Todd hip yds portable receiver	1-S-6
"	"	"	"	" 1-kw 120-volt transmitting set	1-S-6
"	"	"	"	Standard shipbldg Co. " "	1-S-6
270993	1/22	SHAWMUT AROOSTOOK	NY	Bost Trans set	771
274646	1/21	Belmar	Wash	Belmar Visual radio receiver.	920
274645	1-21	MINE SWEEPERS	WASH	SUN SHIPBLDG CO portalberadio receiver	1-S-6
"	"	"	"	" transmitting set	"
"	"	"	"	BALTO DD & S Co. "	"
"	"	"	"	" portable radio receiver.	"
275166	1-21	TBDS	NY	FR 2 radio transmitting sets/	79-Q-6
275521	1/23	Miami	W ash	Miami Material.	908
275420	1/23	Laboratory	Wash	NY Wave meter.	893-4
274977	1/22	Western Elec Co	Wash	Company Arc convertor	876
269400	1/23	Bar Harbor	Wash	Bar Harbor Loading coils.	864
275033	1-23	GEORGE WASHINGTON	WASH	CO one detector stand complete.	23-X-6
234938	1-22	TBDS.	NY	BOSTON 5 Navy type radio transmitters.5-kw	79-Q-6
275962	1/24	Cape May	Wash	Cape May Trans sets.	793-5
275749	1-23	LEONIDAS	BOSTON	CO 10 transmitting condensers.	264-6
275632	1-23	" "	PHILA	CO 8 protective dev & 8 radiation ammet	264-6
275748	1-23	HANNIBAL BOST	BOSTON	CO 10 trans MITTS cond MITTS ensers	225-6
275634	1-23	"	PHILA	CO protect devices and 8 rad am eters	225-6
275633	1-23	MINE SWEEPERS	NY	SUN SHIP COPRN radio trans set port field type receiver	1-S-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—	Subject.	
275975	1-24	DIXIE WASH CO	5 short wave receiving sets 1 detector	188-6
275963	1-24	MINE SWEEPERS NY	Stand Ship Corpn Shooter's Island 1-kw 120 volt trans set' and from WAS one portable radio receiver.	1-S-6
276207	1/25	Key West Wash	Key West Receiving set.	817
274948	1/26	Coco Solo NY and	Wash Coco Solo Trans set and control box.	907
275820	1/26	Stock Wash	New Orl Silver chloride cells.	898
275963	1-25	MINE SWEEPERS NY	ELIZ?N.J. trans set	
"	"	" WASH	" port radio receiver	1-S-6
"	"	" "	Staten Island portable readio receiver.	1-S-6
276804	1/28	Key West Wash	Key West Radio set	918
275963	1-26	MINE SWEEPERS WASHC	SUN S B CORPN PHILA port receiver	1-S-6
"	"	" "	TODD S B CO NY "	"
"	"	" NY	" " transmitter	"
"	"	" "	SUN S B CORPN PHILA "	"
"	"	" "	TODD CORPN NY transmitter set	"
"	"	" "	" portable receiver	"
275631	1/29	NASHVILLE Wash NY Bost	275631 NASHVILLE. Radio apparatus.	787-1
220884	1-28	MISSISSIPPI BOSTON	CO 12 unit dubilier mica condensers CD-158	562-6
276155	1-28	SALEM WASH	CO 8 audion bulbs.	384-6
272862	1/30	Harvard School Bost	School Arc radio set.	707
275963	1-29	MINE SWEEPERS WASH	STATEN ISLAND ORIOLE port receiver	1-S-6
"	"	" NY	" " trans set	"
277494	1/31	Pensa Wash	Pensa Radio apparatus.	827
277004	1-28	MISSISSIPPI WASHINGTON	CO power cable connecting plugs	562-6

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FILE No.		From or To— (Dated)	Subject.	
271549	1/7	Machias Port Bost	Machias Port Exide battery.	864
268494	1/7	Sayville San Diego	Sayville. Motor generators.	855
271682	1/7	St. Augustine Wash	S t Augustine Audion filament circuit breaker.	834
271585	1/7	Phila NY	Phila Radio sets	771-2
261588	1/7	Norf NY	Norf Radio sets	771-2
271683	1-7	MAYRANT WASH	CO one radio receiving set	284-6
271099	1-7	HANCOCK WASH	CO ditto	224-6
271099	1-7	DES MOINES WASH	CO DITTO	185-6
271680	1-7	CHATTANOOGA WASH	CO ditto	154-6
271094	1-7	COVINGTON WASH	CO DITTO	21-X-6
260755	1/8	MELVILLE Phila	MELVILLE Radio compasses.	819
272043	1-8	UTAH NY	CO one rotary spark gap.	455-6
271712	1/10	Coast Guard Academy Wash	Academy Radio apparatus.	704
272369	1/9	Bases NY	Bases Material.	787-1
271644	1/9	Brest Wash	Brest Ampere hour stor cells.	787-1
232322	1-9	MELVILLE WASH	CO Ampere hour storage cells	510-6
272323	1-9	MELVILLE NY	CO emergency transmitters	510-6
272695	1-10	CALDWELL WASH	CO RADIO RECEIVING SET	577-6
272578	1-10	WORDEN DITTO	DITTO Z	487-6
272577	1-10	STEWART DITTO	" "	413-6
272576	1-10	PREBLE ditto	" " "	361-6
272575	1-10	APDL JONES ditto	" "	338-6
272574	1-10	MACDONOUGH DITTO	" "	271-6
272573	1-10	HULL DITTO	" " "	235-6
272572	1-10	hopkins ditto	2 "	233-6
272033	1-10	NEW JERSEY WASHINGTON	CO	313-6
272094	1-10	PITTSBURG WASH	ATL FLT via CYCLOPS audion control box	342-6

RADIO SHIPMENT REQUESTS.

271554	1/10	Arlington	NY	Arlington	Transformer	841
272934	1/12	LOS ANGELES	Wash	LOS ANGELES.	Audion control box.	771
273387	1/14	Haiti	Wash	Haiti	Adapter for audion bulb.	865
273414	1/14	Radio	Norf	Radio	Transformer.	841
270923	1/12	Brest	Sayville	NY	Punch head and die	855
271636	1/16	Grt Lakes	Wash	Grt Lakes	Receiving set.	854
273921	1/16	M.Is.	Pug Sd	M.Is.	Radio set.	771-2
274027	1/16	Dublin	Bost	Dublin	Trans sets.	736-9
274029	1/16	Dublin	NY	Dublin	Trans sets.	736-9
273415	1-15	MC CALL	WASH	CO	loading coils.	269-6
274028	1/17	Belmar	Wash	Belmar	Apparatus.	920
274028	1/17	NY	M.Is.	NY	Trans sets.	876
274181	1/17	M.Is.	NY	M.Is.	Radio sets.	771-2
273949	1-16	CINCINNATI	WASH	CO	6 audion bulbs.	161-6
273439	1-16	CELTIC	WASH	CO	one Marconi receiving set.	152-6
273033	1/18	London	NY	London	Radio telephone sets.	902
274521	1/18	Chasers	Wash	M.Is.	Receivers	898
274522	1/18	Ditto		Pug Sd		898
274523	1/18	Ditto		M.Is.		898
27452 0	1/18	Ditto		Pug S d		898
274180	1-17	TACOMA	WASH	CO	long wave receiving set Nat E S Co.	425-6
274180	1-18	DIXIE	WASH	CO	4 audion control boxes.	188-6
274647	1/19	Western Elec Co	Wash	Company	Apparatus.	920
274238	1/21	Miamia	Wash	Miami	Apparatus.	736-1

RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—	Subject.	
267945	12-19	78-Q-6 NY	LITTLE one 6 volt emergency transmitter	79-Q-6
"	"	" WASH	" 3 6 volt ampere hr storage cells	"
266902	12/19	Gibralter Wash	Gibralter Wave meters.	787-1
238002	12/21	Attache Spain Phila	France Radio compass	919
268429	12/21	Ships Wash NY	Ships Radio apparatus.	905
268535	12/21	San Juan Wash	San Juan Radio apparatus.	835
268123	12/22	Brest Wash	Brest Receiving sets.	787-1
268958	12/22	Bost Wash	Bost Wave meters.	771
268536	12/22	Stations in france and Europe Wash	Receiving sets, etc.	736-9
232774	12/24	Norf Wash	Norf Radio set.	862
269354	12/26	Nav Acad Wash	Nav Acad Receiving set.	820
268967	12/26	Key West SWash	Key West Arc relay key.	817
268459	12/24	Marine Corps Wash	Haiti Apparatus.	865
269396	12-26	CONNOR WASH	PHILA Long Wave receiving set.	580-6
269606	12/28	Pauillac Wash	Paulliac Radio apparatus.	736-9
269607	12/28	Dublin Wash	Dublin Ditto.	"
269117	12/27	Chatham Belmar	Chatham Cable	920
269397	12-228	VESTAL CO	ANNAPOLIS radio compass	457-6
269459	12-28	SUPPLY WASH	CO long wave receiving set.	422-6
269605	12-28	CHICAGO WASH	CO 4 audion bulbs	158-6
268613	12-28	TBDS ny	BATH 8 electrose insulators.	131-Q-6
269891	12/29	Madrid Phila	France Apparatus.	919
269608	12/28-9	Ships NY Wash	Ships Transmitters.	905
270873	1-4	ARKANSAS WASH	CO 2 glasses for alcohol drip feed pot	121-6
271096	1-4 5	CONNECTICUT WASH	CO three audion bulbs.	169-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.	
269079 to 269088 Incl	12/28	Ships	Yards	Yards Apparatus.	771
269604	12/27	Brest	NY	Brest Apparatus.	920
269691	12/28	Brest	Wash	Brest Apparatus.	787-1
269890	12-29	DES MOINES	WASH	CO 30 m.h. loading coil	185-6
268822	12-29	UTAH	PHILA	NORF radio compass	455-6
270336	12/31	Honduras	Wash	Honduras Radio sets.	793-11
270244	1/2	Mt.VERNON	Wash	MT VERNON Radio set and audion box.	771-1
269119	12/31	Pu g Sd	Wash	Pug Sd Wave meters	893-1
269400	12/27	Bar Harbor	NY Wash	Bar Harbor Wire switches, etc.	864
270223	12/31	New Lond	NY	New Lond Radio rattail wire.	861
267949	12/31	Pt Isabel	NY	Pt Isabel Spark gap.	853
270335	12/31	Nav Acad	Wash	Nav Acad. Apparatus.	707-1
266390	12-31	PERKINS	PHILA	CHASN rotary spark gap	346-6
256673	1/3	Test Station	NY	Wash Trans keys.	898
270872	1/3	Tuckerton	Wash	T uckerton R adio head telephones.	891
270244	1/3	Ships	Wash	Ships Radio apparatus.	771-1
265323	1-3	STERLING	WASH	CO audion c ntrol box	412-6
267673	1-3	L-5-7	ny	LAKE radio apparatus	545-6
271097	1/4	COLUMBIA	Wash NY	COLUMBIA Apparatus.	905
270871	1/4	Machias Pt	Bost	Machias Trans and rec sets.	864
270244	1/4	Ships	Wash	Ships Radio apparatus.	771-1
270993	1/4	SHAWMUT & AROOSTOOK.	NY Bost	Trans sets	881
267060	1/5	Brest	NY	Brest Trans relay keys.	920
271097	1/5	Ships	Wash NY	Ships Apparatus.	905

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Number.	Date.	From or To—		Subject.	
~~265697~~	~~12-8~~	~~LEVIATHAN~~	~~WASH~~	~~CO 3 radio audion bulbs.~~	~~35-X-6~~
265586	12-7	MISSISSIPPI	NY	NN 10-kw main and aux antenna switch	562-6
264944	12--7	JASON	WASH	CO long wave radio receiving set	521-6
265136	12/8	Miami	Belmar	Miami Radio material.	736-1
266040	12/11	Grt Lakes	Wash	Grt Lakes Antenna spreader.	854
266107	12/11	LYNDONIA	Wash	Ships Audion control box.	771
266107	12/11	M.Is.School	Pug S d	M.Is. Radio set.	707-2
266006	12/11	NAHMA	NY Wash	NAHMA Trans set and copper wire	771
266005	12/11	Gibralter	W ash	Gibralter Audion detector bulbs.	920
266038	12-13	JUPITER	WASH	CO radio redeiving set.	251-6
264944	12/13	Advance Base	NY and Wash	A dvance Base Radio apparatus.	731
265136	12/13	Miami	Belmar	Miami Radio spparatus.	736-1
253503	12-14	N-4-7	WASH	NY type CM-294 receiving set	587-6
253503	12-14	N-4-7	NY	Lake type CM-294 receiving set.	587-6
266879	12-14	L-5-7	NY	Lake Detector,oscillator,amplifier	545-6
266879	12-14	L-5-7	NY	Lake Simon radio transmitting set.	545-6
266878	12-14	WISCONSIN	CHARLESTON	CO 2-kw wave changer	484-6
266068	12-14	SALEM	WASH	CO audion control box	384-6
~~266880~~	~~12-14~~	~~ALABAMA~~	~~WASH~~	~~CO radio receiving set.~~	107-6
266511	12/14	Chasn	Wash	Chasn Audion control box/	916-7
266762	12/14	Newport	Wash	Newport Wave meters.	893-4
266801	12/14	Managua	Bost	Managua Leyden jars.	858
266802	12/14	Managua	Wash	Managua Resistance head telephones	858
265638	12/14	Grt Lakes	Wash	Grt Lakes Audion detector bulbs.	854

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.	
267011	12/14	Colon	Wash	Colon Relay key	808
266972	12/14	Portland	NY	Portland Trans set	803
267060	12/15	Brest, France	Wash Bost	Brest R adio apparatus.	920
266902	12/15	Gibralter	NY	Gibralter Meter and decremeter	787-1
267502	12/17	Miami	Belmar	Miami Apparatus.	908
"	"	Marconi Co	Belmar	Marconi Co Wave meters	"
265153	12/17	Phila	W ash	Phila Wave meter	893
267594	12-18	L 5-7	NY	Lake Insulators	545-6
267594	12-18	L 5-7	Mass	Lake 5000 ft antenna wire.	545-6
267658	12-18	WALKE	NY	CO 6-volt emergency transmitter	471-6
267658	12-18	WALKE	WASH	CO 3 6-volt 80 ampere hourstorage cells	471-6
199693	12/18	NY	Bost	NY Apparatus.	876
267785	12/18	Advance Base	Wash	Advance Base Aeroplane radio trans set	918
199699	12/18	M.Is	Bost	M.Is. Apparatus.	876
199698	12/18	M.Is.	Bost	M.Is. A pparatus.	876
199692	12/18	NY	Bost	NY Apparatus.	876
267944	12-19	CONNOR	NY	CO 1 6-volt emergency transmitter	580-6
267944	12-19	Connor	wash	co 3 6 volt ampere hour storage cells	580-6
267943	12-19	CALDWELL	NY	CO one 6 volt emergnecy transmitter	577-6
267943	12-19	ditto	WASH	CO 3 6 volt ~~xxxxxx~~ amp hour stor cells	577-6
268048	12-19	93-Q-6	WASH	CO 3 6 volt ampere hr dtorage cells	93-Q-6
ditto	"	"	NY	CO one 6-volt emergency transmitter	93-Q-6
268047	12-19	81-Q-6	"	" "	81-Q-6
"	"	"	WASH	" 3 6-volt amper hr storage cells.	"
267946	"	80-Q-6	"	" "	80-Q-6
"	"	"	NY	" one 6 volt emergancy transmitter	"

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Number.	Date.	From or To—	Subject.	
262897	11/26	Rockaway Beach Wash	Rockaway Beach Radio sets.	918
262898	11/26	Pensa Wash	Pensa Radio sets	918
262677	11/24	M.Is. Wash	M.Is. Post Terminals	898
254518	11/26	Guam Wash	Guam Radio key.	813
263293	11/27	Managua Wash	Managua Apparatus	858
221113	11/27	Yards Stations Bost	Yards Stations Radio sets (Motor Gen)	771
207779	11-27	STOCKTON WASH	PHILA 6-volt-80-ampersstorage cells	581-6
263415	11-27	RHODE ISLAND WASH	WASH WAVE METER TYPE S.E.73 b	377-6
263414	11-27	MISSOURI DITTO	DITTO DITTO	292-6
263416	11-27	MINNESOTA WASH	RADIO APPARATUS.	290-6
234951	11-27	NEW YORK WASH	NY portable field radio set.	131-6
263413	11-27	ALABAMA QWASH	WAVE METER TYPE SLE. 73	107-6
263833	11/28	Atl City Wash	Atl City Magneto cable.	920
230736	11/28	ARK CONN ORIGINALLY for DELA FLOR.	Apparatus.	897-1
263738	11/28	Yards NY	Yards Radio sets	771-2
263705	11-28	CONNOR PHILA	NY RADIO APPARATUS	580-6
263562	11-28	TERRY WASH	long wave receiver v	432-6
263563	11-28	PRAIRIE NY WASH	SPERRY TRANSMITTER(& BATTERIES	360-6
263412	11-28	ARKANSAS WASH	6 doz. ever ready batteries.	121-6
263587	11/30	Nava Acad Wash	Nav Acad Apparatus.	916-11
263894	11-30	KANAWHA WASH	BOSTON 20-kw,125 volt radio arc set	508-6
263893	11-30	FULTON BOSTON	NEW LONDON 1/4-kw portable radio set	498-6
265921	11-30	PROTEUS WASH	CHASN 20-kw,125 volt radio arc set	16496
263412	11-30	ARKANSAS WASH	ARKANSAS various radio material	121-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—	Subject.	—
263773	12/1	European Base Wash NY	Phila Apparatus.	787-1
263755	Ditto	Ditto		
264327	12/1	Brest, France Wash NY	Phila Apparatus.	787-1
265923	12-1	WYOMING WASHINGTON	WYOMING 6 doz every ready batteries.	488-6
264270	12-1	CYCLOPS WASH	CYCLOPS one receiving set type C.N.	176-6
264067	12/3	M.Is. Bost	M.Is. Mica condensers	882-1
264420	12/3	Norf Wash	Norf Wave meters	876
264757	12/3	Ft Crockett NY Wash	Ft. Crock. Radio set and apparatus.	876
264579	12-3	MISSISSIPPI NY	NN insulators and insulator springs.	562-6
264813	12-3	DOLPHIN NY	KEY WEST 2kw radio trsna set	189-6
264943	12-5	NEREUS WASHINGTON	NEREUS 20-kw-125-volt arc set Fed Tel Co.	165-6
264964	125	ORION WASH	ORION ditto above arc set.	163-6
264941	12-5	FUEL OIL SHIP WASH	BOSTON 20-kw arc trans set 125-volt.	16-K-6
264942	12-5	CUYAMA WASH	CUYAMA 20-kw, 125-volt radio arc set	576-6
264944	12-5	JASON WASH	JASON 20-kw,125-volt radio arc set	521-6
265323	12-6	STERLING NORF	PHILA 2-kw radio motor generator	412-6
265142	12/6	Chatham Wash New	Lond Chatham Apparatus.	920
265141	12/6	Dispo Sub Base	Wash Receiver	898
265136	12/6	Miami Wash Belmar NY	Miami Radio apparatus.	736-1
264297	12-7	UTAH WASH	CO audion control box	455-6
265610	12-7	PROTEUS WASH	CO long wave radio receiving set and audion control box.	164-6
264962	12-5	ORION WASH	CO ~~20-kw-125-volt~~ long wave radio receiving set Nat Elec Sup Co.	163-6
265515	12-6	CINCINNATI WASH	CANAL ZONE receiving set Port Cristobal	161-6

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To—		Subject.	
259090	11-7	MISSOURI	WASH	5 Western Elec Co bulbs	292-6
259092	11-8	D-2	WASH	NEW LONDON Navy type short wave receiver	221-6
258706	11-7	O boats	WASH	BOSTON one Deforest audion control box	574-6
259606	11/9	Montauk Pt.	Phila	NY Radio compass.	793-5
259402 259401	11/9	Norf	Bost NY	Norf Radio sets	771-2
259714	11/12	Repairs	Bost	Wash Radio set	898
259605	11/12	Navassa Isl	Wash	Guantanamo Receiver	793-5
259621	11/12	Dispo	Bost	Wash Port set	897
250106	11/12	Harvard School	Wash	Bost Wave meter	707
259835	11-10	MELVILLE	WASH	NY 30 6-volt ampere hour storage cells.	510-6
259835	11-10	MELVILLE	NY	10 6-volt emergency transmitting buzzer gap type for use with Navy type wave changers.	510-6
259963	11/13	Montauk Pt	Wash	Montauk Pt. Audion bulbs and box	819
260059	11-13	PUEBLO	NORF	wire and stuffing boxes.	166-6
259449	11/14	Pg Sd	Bost	Pug Sd Condensers.	882-1
260474	11-14	CONNOR	PHILA	CRAMPS radio wire.	580-4
259964	11/15	E.J.Simon	Wash	Simon Trans set	918
260363	11/15	Phila	Bost	Ihila Radio sets	771-2
260536	11/15	M.Is.	Pug Sd	M.Is. Radio sets	771-2
239722	11/15	Vessels	NY	Yards Motor generator radio sets.	771
260752	11/16	TxPhila	Wash	Phila Receiving sets	898
260751	11/16	Nat'l Elec S.Co	Wash	Company Receiving set	898
261101	11-16	FLORIDA	WASH	6 Western Elec audion bulbs.	205-6
261102	11-16	WYOMING	WASH	" " " " "	488-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.	
261100	11-16	DELAWARE	WASH	6 Western Elec Audion bulbs.	182-6
261103	11-16	NEW YORK	WASH	" " " " "	131-6
245715	11-17	ULUSSES	NY	PUG SD RADIO TRANSMITTING SETS	557-6
260755	11/17	Melville	Phila	MELVILLE Radio compasses	919
260756	11/17	Gibralter	Phila	Gibralter Radio compasses	919
260753	11/17	Phila	Wash	Phila 23 audion boxes.	898
255612	11/17	PENNA	Wash	PENNA Gen Radio Co aux radio set	898
261275	11/19	Tuckerton	Wash	Tuckerton Carbon holder for radio set.	891
261763	11/20	Tuckerton	Wash	Tuckerton Carbon electrode holder.	891
261546	11-20	WYOMING	WASH	6 radio key contacts.	488-6
261764	11-20	MELVILLE	WASH	200 stand type audion detector bulbs	510-6
261712	11-20	BEALE	WASH	NY 1 set bat for type P-2 Deforest audion box.	134-6
260754	11-20	93-Q-6	MXXXX PHILA	M IS radio compass v	93-Q-6
262155	11/21	Belmar	Wash	Belmar Receiver	920
261763	11/21	Tuckerton	Wash	Tuckerton Radio arc set	891
262185	11/21	Brest	NY Wash	Phila Transmitters and stor cells	787-1
253745	11-21	DENVER	NY WXXH	WASH Kil & Clarke receiving set.	184-6
260551	11/22	Yards	NY	Yards Radio sets	771
226224	11/22	Acushnett	NY	Bost Radio set	704
261402	11-22	TEXAS	WASH	MARCONI RECEIVING SET AND WAVE METER	132-6
262993	11/24	Norf	NY	Norf Radio sets	771-2
262892	11-24	93-Q-6	WASH	M IS buzzer instruction set and six perry buzzer and Blinker Practice radio sets.	93-Q-6
262896	11/26	Montauk Pt	Wash	Montauk Pt Radio sets.	918

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.	
251533	10-23	BUFFALO	NY	PHILA Wireles Impr Co. 2 kw transmitter	144-6
256139	10/23	Belmar	NY	Belmar Gasoline, etc.	793-5
256235	10/24	Montoso	NY	Norf Trans and rec set	727
256204	10/24	Elec School	Wash	M.Is. Telephone head sets.	707-2
256281	10/25	Grt Lakes	Wash	Grt Lakes Audion bulbs	854
256498	10-25	WISCONSIN	MISSOURI	2 CROCKER wheeler 80 volt motor gen and onw 2-kw telefunken transformer	484-6
230843	10-25	MISSOURI	WASH	2 2-kw Marconi radio transformers one 2-kw Fessenden radio motor generator	292-6
254673	10/26	Dispo	JUpiter	Wash Apparatus.	816
256149	10-26	KEARSAGE	WASH	KEARSAGE Sperry short wave receiver	257-6
256149	10-26	KEARSAGE	WASH	KEARSAGE I.P. 76 radio receiver	257-6
241252	10-26	N-4	NY	Lake All radio apparatus	58796
256885	10/27	May	Wash	NY Receiver	771
254189	10-27	NEW YORK	WASH	Nat Elec Long Wave receiver	131-6
257068	10-27	HANNIBAL	NY	Telefunken receiver	225-6
257068	10-27	HANNIBAL	WASH	NYType A short wave receiver.	225-6
256377	10/29	Ships	NY	Ships Conductor VOID	731
254098	10/29	Marconi Co	NY	Company Wave changing switch.	876
257376	10-29	SP	NY	Norf Commercial type Marconi transmitting and receiving set complete.	SP
256822	10/30	Dispo	Chasn	Wash Receiver	898
256823	10/30	Dispo	St. Augustine	Wash Wave meter.	893-4
257518	10/30	Pt. Isabel	NY	Pt. Isabel Antenna transfer switch.	853
257179	10/30	Sub Base	Bost	New Lond Oscillator equipment.	797
256824 n	10/31	Dispo	Chasn	Wash Receiver	898

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
255725	10/31	Shipping Bd Vessels	NY	Yards	Trans sets	771-2
256966	10/31	Rockaway Beach	Wash	Beach	Blinker signal sets.	707
257883	11/1	Phila	Wash	Phila	Wave meters.	893-4
240811	11/1	Amerika	Wash	NY	Wave receiver.	771
257930	11-1	MELVILLE	WASH		type CAM 321 radio buzzer instruction set	510-6
257928	11-1	VESTAL	WASH		DITTO ABOVE	457-6
257931	11-1	PANTHER	WASH		DITTO ABOVE	332-6
257929	11-1	NORTH DAKOTA	WASH		DITTO ABOVE	321-6
257932	11-1	BIRMINGHAM	WASH		DITTO ABOVE	138-6
257758	11-1	MISSIOURI	WASH		Fessenden radio transmitting transformer	292-6
257757	11-1	SAN DIEGO	NY	PORTS	Marconi remodeled 5-kw wave changer with loading coil.	147-6
258043	11/2	M.Is.	Bost	M.Is.	Dubilier condensers	842
254036	11/2	Guantanamo	NY	Guanta	Radio set	793-5
258045	11/2	Yacoma	Norf	Bost	Searchlight.	771
255525	11/3	Lewes	Wash	Phila	Trans set	864
244059	11-3	SUBMARINES	GROTON		FR insulators originally for Groton	123-0-6
255725	11/5	Ship Bd Vessels	Yards	Yards	(12) Radio apparatus.	771-2
258896	11/6	Mt. Desert	Bost	Ports	Radio set	864
258707	11/6	Aero Sta	NY	Aero Sta	Switches.	900
258889	11/6	Stock	Wash	NY	Radio set.	876
258582	11/6	City College	Wash Phila	NY	Control box, receiver, compass.	707
258890	11-7	ARKANSAS		BELMAR.N.J.	1 audibility meter No. 129	121-6
258892	11/8	Luchenbach 265	NY	Bost	Radio set	771-2
258891	11/8	Belmar	Wash Newport	Belmar	Audibility and wave meter.	920

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
253504	10/~~x09~~	O boats	Wash	Bost	Receivers	574-6
"	"	M-1	Ditto			574-6
253507	10/9	N-1-4	Wash	Pug Sd	"	547-6
253505	10/9	L-5-7	Wash	M.Is.	"	545-6
246362	10/9	PUEBLO	Pug Sd	Norf	Wave changer	156-6
254011	10/11	Belmar	Wash	Belmar	Radio apparatus.	920
254094	10/11	Newport	NY	Newport	Spark gap	822
253710	10/10	Báspo	Guantanamo	Norf	Radio set	793-5
252531	10/11	Phila	NY	Phila	Trans set	361-6
253875	10/11	DENVER	Wash	DENVER	Trans set	184-6
254339	10/12	MASS	Wash	Mass	Audion control box	281-6
254337	10/12	IOWA	Wash	IOWA	Wave meter	244-6
254338	10/12	INDIANA	Wash	INDIANA	Audion control box	240-6
254098	10/12	Panel radio set	NY	Wash	Apparatus	876
249743	10/12	Constantia	NY	New Orl	Trans set	771-1
254011	10/13	Blemar	Wash	Belmar	Apparatus.	920
251803	10/15	Air Station	Wash	San Diego	Radio sets	918
254456	10-15	1-Z-6	NY	Norf	4 Simon transmit sets	1-Z-6
254456	10-15	1-Z-6	~~NY~~ Wash	Phila	2 Nat Elec Supply Co radio receivers	ditto
254456	10-15	1-Z-6	~~Wash~~ NY	Phila	2 Simon sets	"
254456	10-15	p 1-Z-6	NY	Charleston	2 Simon transmitt sets.	"
254452	10/18	Foreign force	NY Wash	Phila	A pparatus radio	736-9
254453	10-16	CAMDEN	NY	Phila	Marconi 2 kw trans set	20-X-6
254453	10-16	CAMDEN	Wash	Phila	Short & long receivers, meters, and audion control box.	20-X-6

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Number.	Date.	From or To—	Subject.	
254456	10-16	1-Z-6 Wash	Charleston Radio receivers N E S Co.	1-Z-6
254456	10-16	1-Z-6 Wash	NY- 4 radio receivers ditto	1-Z-6
254456	10-16	1-Z-6 Wash	Norf ditto	1-Z-6
254836	10-16	DOLPHIN NORF	NORF 2 kw 120 V radio gen	189-6
254452	10-16	HANNIBAL NY	PORTS 2 kw Marconi trans set.	225-6
254453	10-16	LEONIDAS NY	Ports ditto	264-6
254820	10-16	HUNGTINGTON Wash	Audion b battery	477-6
255197	10-17	NEW ORLEANS Wash	Wash Long wave receiver NES Co.	314-6
255047	10/19	B.S.Fce 1 Wash	B.F. 1 Buzzer Instrn sets.	898
246508	10/19	NY Bost	NY Relay key	898
253854	10/19	Patrol Head. Wash	Patrol Head. Receiving set	864
236742	10/19	Elec School Phila	M.Is. Radio compass	707-2
255257	10/18	MaCDONOUGH Wash	Phila Receiver	271-6
248939	10/18	ALBANY NY	Bost Wave changer	108-6
255333	10/18	Dispo MONTANA	Wash Receiver	299-6
255311	10/19	MISS NY	NN Antenna switch	562-6
255297	10-18	ASTORIA NY	Charleston VOID	
255540	10-20	HAWK WASH	GREAT LAKES field type radio receiver.	227-6
199695	10/22	NY Norf	NY Transformers, etc.	876
199694	10/22	NY Norf	NY Ditto	"
255894	10-22	MONAGHAN NY	BOSTON 2 Lowenstein 2 kw r trans set.	298-6
236978	10-22	VERMOT WASH	Marconi short wave receiver Navy portable receiver /	456-6
256180	10-23	STOCKTON WASH	4 Western Elec Co audion bulbs 12 oxide filament bulbs.	581-6
251533	10-23	BUFFALO WASH	Nat Elec long wave receiver and Sperry short wave receiver.	144-6

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
249789	9/20	Marconi Co	Phila	Company	Radio compass	919
250113	9/20	NY	Wash	NY	Wave meters	893
249919	9/20	Harvard U	Wash	Harvard U	Audion control box.	707
250173	9/21	MELVILLE	NY	MELVILLE	Trans sets	787-1
247900	9/21	SAVANNAH	NY	Bost	Trans set	771-1
250084	9/21	NY	Wash	NY	Audion control box	771
243700	9/21	DUNCAN		Wash	Short wave receiver	516-6
247447	9/21		NEREUS	Wash	Short wave receiver	165-6
24900	9/22	Marconi Co	Wash	Company	Aeroplane radio sets	918
250358	9/22	Bost	Wash	Bost	Transfer switch	916-3
250339	9/22	Marine Corps	Wash	Haitii	Apparatus.	899
248939	9-22	ALBANY		NORF	BOST apparatus	108-6
250174	9-22	DOROTHEA	NY		FIELD TYPE RECEIVER TRANSMITTING SET.	191-8
250402	9-22	Wash	DOROTHEA	WASH	all receiving apparatus and transmitting sets complete.	221-6
250070	9-22	NORTH DAKOTA	NORF	NY	Spare armature for main gen.	321-5
250800	9/24	Dispo	Norf	Wash	Audion box	898
250153	9/24	Operating Base	Wash	Norf	Radio apparatus	736-1
237676	9/25	ISABEL	Wash	Bost	Audion control box	599-6
250671	9/25	LEVIATHAN	Wash	NY	Ditto	35-X-6
251052	9/25	Norf	NY	Norf	Trans set	898
250781	9/26	Dispo	SAN DIEGO	Wash	Wave meters	147-6
250916	9/26	BULGARIA	Wash	Norf	Receiver	9-X-6
240893	9/26	Dunwoody Inst	Wash	School	Radio apparatus.	707
251031	9/27	VIRGIN Iles	Wash	Isles	Radio apparatus.	863

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
251339	9-27	CONNECTICUT	WASH	WASH	short wave receiver.	169-6
251261	9-27	WASH	LEBONON	WASH	radio apparatus.	263-6
251420	9-27	MISSISSIPPI	WASH	NORF	receiver control box	562-6
251622	9/28	Tuckerton	Wash	Phila	Wave meters	891
250173	10/1	MELVILLE	Brest NY	MELVILLE Brest	Apparatus.	787-1
252064	10/1	Tavernilla Gorgona	Wash	Coast Guard	Insulators.	727
252270	10-3	AYLWIN		WASH	MARCONI RECEIVER	517-6
252270	10-3	Aylwin		WASH	NAT ELEC SUP CO long waivereceiver	517-6
252790	10/4	Marrine Barrachs	Phila	Wash Barracks	Buzzer blinker sets.	898
252567	10/4	New Lond	Wash	Sub Base	Apparatus.	861
252521	10/4	Dry Tortugas	Bost	Key West	Gas engine radio set.	817
252368	10-4	ANTIGONE	Wash	Norf	2 field type receivers.	4-X-6
244543	10-4	OLYMPIA		WASH	K&C wave meter.	324-6
208980	10-4	O-11 to 13	Wash	NY	short wave receiver 1/2/17 csncel	590-6
252715	10-4	O-11 to 13	Wash	NY	short wave receiver Nat Sup Co.	590-6
199695	10/5	NY	Norf	NY	Transformers	876
252971	10-5	ASTORIA	NY	CHARLESTON	1/2 kw Simon trans set.	5-X-6
253215	10/6	Norf	Wash	Norf	Wave meters	893-4
253213	10/6	NY	Wash	NY	Audion control.	771
253387	10/8	New Lond	Wash	Sub Base	Head telephones	902
253216	10/8	O-Boats	NY	Bost	Trans set	574-6
253463	10/8	WOLVERINE	Wash	WOLVERINE	Receiver	485-6
199695	10/10	NY	Phila	NY	Switchboards & parts.	876
199694	10/10	"	"	"	"	"
253503	10/10	N-4-7	Wash	NY	Receivers	587-6
253509	10/9	L-8	Wash	Ports	Receivers	585-5

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Number.	Date.	FOR	From or To— FROM	TO	Subject.	
247424	9/6	NEPTUNE	NY	S hip	Auxiliary transmitter	309-6
247423		MARS				279-6
247422		JUPITER				251-6
247420		CYCLOPS				176-6
247416		ORION				163-6
247413		CHARLESTON				153-6
247418		CELTIC				152-6
247425		ARETHUSA				120-6
234839		75-Q	Phila	Bath	A ntennas	75-Q-6
247354		Pekin	Wash	Pekin	Receiver	857
247447		NEREUS	Wash	Ship	Receiver	165-6
247005		Bath, Machina	Wash	B ost	Trans and rec sets	864
247355		Patrol Force	Wash	Patrol Force	Decremeter	771
247772	9/7	NY	Wash	NY	Receivers	898
247005		Bost Chasn	Wash	Yards	Apparatus	864
247763		Corsair	Wash	ship	Receiver and control box	771
247764		Wakiva 11	Wash	ship	Receiver	771
237726		Panama Canal	NY	Canal	Receivers	727
247728		Advance Base	Pensa	Phila	Trans set (Aero)	918
247960	9/8	CALDWELL	Wash	Ship	Buzzer Instrn set	577-6
247841	9/7	PUEBLO	Wash	Norf	Transmitter	166-6
247762	9/7	MANLEY	Phila	Bath	Insulators	582-6
247961	9/8	~~Aux-trans~~	Bath NY	Bath	Auxiliary trans.	771-1
234239	9/10	Stock	Wash	NY	Apparatus.	771

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
248304	9/11	L-9	Wash	Bost	Apparatus	528-6
248388	9/11	SALEM	Wash	Bost	Trans set	384-6
248083		Pensa	Wash	Pensa	Air plane bulbs	918
248088		Cape Haitien	Wash	C. Haitien	Apparatus	899
248332		Pearl Harbor	Wash	Pearl Harbor	Signal control board	852
248559	9/12	Sub Base	Wash	New Lond	Apparatus	865
246409	9/12	Guantanamo	Bost	Guantanamo	Relay key	813
248484	9/12	Tavernilla	Wash	Coast Guard	Trans and rec set	704
248556	9/12	CLEVELAND	Wash	Chasn	Receiver	162-6
249014	9/14	Von Steuben	Wash	Phila	Receiver	771 --1
248832	9/13	Coast Guard	NY	Coast Guard	Apparatus.	727
249344	9/17	Wash	NY	Wash	Dirigible radio sets	918
248928	9/14	Aero Sta	Wash	Aero S ta	Aero armature	918
248877	9/14	Grt Lakes	Wash	Grt Lakes	Receiver	793-5
249150	9/15	Tavernilla	Wash	Coast Guard	Receiver	704
249134	9/15	Wash	Phila	Wash	Trans set	876
248939	9-14	ALBANY	NY	Norf	Receiver	108-6
248939	9-14	ALBANY	Wash	Bost	Receiver	108-6
249345	9/17	TONOPAH	Wash	S hip	Receiver	438-6
249346	9/17	SAN DIEGO	Wash	Ship	Kolster decrometer	147-6
249258	9/15	PENNA	Phila	Ship	Radio compass	130-6
"	"	Phila	PENNA	Phila	Ditto	"
245343	9/18	Bost	Bath	Bost	Radio set	582-2
249636	9/19	Barataria Bay	Wash	New Orl	Apparatus	859

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Number.	Date.	From or To— FOR	FROM	TO	Subject.	
245653	8/25	Mer Vessels Chasers	Bost	NN	Trans sets	771-1
245568	8/25	Lydonia	Wash	Norf	Port receiver	771
243367	8/25	Yamacraw	Bost	NN	Mica condensers	704
245722	8/27	Ships	Wash	Ships	Blinker instrns sets	876
245653	8/27	M.V. Chasers	Bost	Yards	Trans sets	771-1
235723	8/27	TBD 125	NY	NYS	Trans sets	125-Q-6
245725	8/27	TBD 135	NY	Chasn	Trans sets	135-Q-6
245724	8/27	TBD 131	NY	Bath	Trans sets	131-Q-6
245725	8/28	TBD 135	Wash	Chasn	Apparatus	135-Q-6
245724		TBD 131	Wash	Bath	Ditto	131-Q-6
245723		TBD 125	Wash	NYD	Ditto	125-Q-6
246029		JASON	Wash	JASON	Ampere hour	521-6
243950		PETREL	Wash	PETEL	Audion control box	348-6
236974		MINNESOTA	Wash	MINN.	Audion control box	290-6
245891		HOPKINS	NY	Phila	Trans set	233-6
246254	8/29	Pensa	Wash	Pensa	Radio gen	918
246156		NY	Wash	NY	Receiver	898
240405		CUBAN BOAT	Wash	Chasn	Apparatus	793-8
"		"	NY	Chasn	Trans set	793-8
246298	8/30	SEATTLE	NY	SEATTLE	Buzzer radio set	474-6
246299		SAN FRANCISCO	"	Ship	Ditto	389-6
246300		PROTEUS	"	Ship	Ditto	164-6
245778		CHARLESTON	Wash	CHARLESTON	Apparatus	153-6
231869		Dispo	NY	Norf	Switch	900

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Number.	Date.	FOR	From or To—	FROM	TO	Subject.	
234739	8/30	Dispo		VATERLAND	Wash	Receiver	771-1
30028	8/30	Kilbourne & Clark Co			Norf Co.	Radio motor gen	629
239015	8/31	Bost		NY	Bost	Trans sets	771-1
246642		NY		Wash	NY	Receiver	707
246472		Coast Guard		Wash	Vessels	Apparatus	704
246987	9/1	MAYRANT		NY	Phila	Trans set	875
246865	9/1	NY		Wash	NY	Receiver	704
246945	9/1	Subs		Wash	B ost	Receivers	528-6
246948	9/1	L-1-4		Wash	Phila.	Receivers	514-6
246675	9/1	STERLING		NY	STERLING	Spark gap	412-6
246949	9/1	K-1-4		Wash	Phila	Receivers	421-6
246946	9/1	E-1		Wash	New Lond	Receiver	401-6
246674	9/1	PADUCAH		NY	PADUCAH	Spark gap	329-6
247365	9/5	LABORATORY		Wash	Phila	R eceiver and audion cont box	916-5
247361	9/5	Newport		Wash	Newport	Apparatus	864
247153	9/5	ANDROSCOGGIN		Wash	Ship	A pparatus	704
241572	9/5	Ditto		NY	Ditto	Antenna switch	704
247427	9/6	MAUMEE		NY	Ship	Auxiliary transmitter	556-6
247419		BRIDGE					533-6
247421		JASON					521-6
247448		STERLING					412-6
247414		ST. LOUIS					383-6
247417		PROMETHEUS					364-6
247413		NERO					310-6

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Number.	Date.	FOR	From or To—	FROM	TO	Subject.	
243494	8/16	MAIN		Wash	Main	Detector	274-6
243493	8/16	Dispo		NEVADA	Wash	Receiver	133-6
"	"	NEVADA		Wash	NEVADA	Receiver	133-6
199698	8/16	Norf No 6		Phila	M.Is.	Ammeters	876
199695	8/16	NY		Norf	NY	Apparatus	876
243788	8/16	CAIMITO		Wash	CAIMITO	Lighting switches	851
234739	8/16	VATERLAND	Dispo	VATERLAND	Wash	Receiver	771-1
234799	8/16	Harvard U		NY	Cambridge	Apparatus	707-3
242199	8/16	C.G.Cutters			NY	Receiver	704
244031	8/16	M.Is.		Wash	M.Is.	Receivers	876
243654	8/17	Merch Ships	Chasers	NY	Yards	Apparatus	876
199695	8/17	Ord #3		Phila	NY	Meters and protective devices	876
199694	8/17	Ord No 5		Phila	NY	meters	876
244455	8/18	O)Boats		Wash	Bost	Apparatus	574-6
244031	8/16	NY		Wash	NY	Receivers	876
199699	8/16	Ord No 4		Phila	M.Is.	Frequency ammeters	876
240405	8/18	Cuban G.B.		Phila	Chash	Trans and rec set	793-8
243824	8/17	WHEELING		Wash	S.hip	Radio tele head set	478-6
244625	8/20	Chaser M.S.		Yards	Yards	Apparatus	898
244083	8/20	Lt.HOuse Tenders		Yards	Yards	Apparatus	678
244747	8/21	HUNTINGTON		Wash	HUNTINGTON	Apparatus	477-6
244832	8/21	Patrol Boats		Wash	Yards	Portable receivers	897
244911	8/21	M.S. Chasers		NY	Yards	Transsets	876
240321	8/21	Ships		Wash	Ships	Instrn sets	876

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
244249	8/21	Harvard U	Wash	Harvard U	Buzzer instrn set	707
237726	8/22	Panama	NY	Pier	Trans sets	727
236977		Dispo	NEW JERSEY	Wash	Receivers	313-6
244832		Patrol vessels	Wash	Yards	Port receivers	897
199701		Ord 4	Pug Sd	M.Is.	Apparatus	876
199700		Order 5	Pug Sd	M.Is.	Ditto	"
199699		Order 4	Bost	M.Is.	Ditto	"
199698		Order 6	Bost	M.Is	Ditto	"
199693		Order 3	Bost	NY	Ditto	"
199692		Order 5	Bost	NY	Ditto	"
234938		TBD 75	Phila	Bath	Antennas	75-Q-6
245305	8/23	Dispo	ULYSSES	Wash	Trans set	557-6
245240		PENNA	Wash	PENNA	Wave meter	130-6
235241		M.S. Chasers	Wash NY	Norf	Rec and tran sets	876
245239		Elec School	Wash	M.Is.	Apparatus	707-2
~~670-~~						
245494	8/24	MINNEAPOLIS	Phila	ship	Port field set	~~289-6~~
245343	8/25	MANLEY	Bost	Bath	Trans set	~~582-6~~
245572		SCHLEY	Wash	Bost	Apparatus	586-6
245526		WYOMING	Wash	Ship	Receiver and control box	488-6
244059		123-0	NY	Groton	Insulators	123-0-6
245610		Stock	Wash	Bost	Wave receivers	898
245654		M.vessels Chasers	NY	Yards	Trans sets	876
245537		Onward	Phila	Norf	Trans set	876
245653		Mer Vessels	Bost	Phila	Trans sets	771-1

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
241947	8/6	TEXAS	Wash	TEXAS	Bulbs	132-6
242063	8/6	Issue	Bost	NY	Dubilier condensers	882-1
242198	8/6	Stations	Wash	STATIONS	Blinker instrn sets	736-1
242199	8/6	Coast Guard Cutters	Wash	Yards	Apparatus	704
242414	8/7	MANLEY	Phila	Bath	Copper wire	582-6
242477	8/7	MELVILLE	Wash	MANLEY	Repair kit	510-6
242300	8/8	New Londring	NY	New Lond	Sub entering insulators	907
242300	8/8	New Lond	Wash	New Lond	Radio set	907
242604	8/8	Chasers merchant vessels	Yards	Yards	Radio apparatus	876
242386	8/8	Seneca	NY Wash	S eneca	Apparatus	704
242732	8/9	Marine Corps	Wash	Marine Corps	Port sets	897
242706	8/9	Chasers Merchant Ships	NY	Yards	Trans sets	876
242605	8/9	Ditto	Wash	NY	Receivers	876
242731	8/9	Osippee	NY	Wash	Apparatus	704
242604	8/10	Chasers Merch Vessels	Wash	Yards	Receivers	876
242918	8/11	Tampa	Wash	Bost	Apparatus	704
241704	8/11	Dispo	STERLING	NY	Ditto	412-6
243270	8/11	FIRODIA	Phila	FLORIDA	Radio compass	205-6
243161	8/11	Wakiva	Wash	Bost	Detector	SP
233493	8/11	Robbins & Meyers Co	Phila	Co	Gages for spark gaps	898
242706	8/11	Merch Ves & Chasers	Bost	Yards	Apparatus	876
208801	8/11	Phila	NY	Phila	Wave changer	828
242937	8/11	Chasn	Wash	Chasn	Batteries	807
243119	8/11	Algonquin	Norf Wash	NN	Apparatus	704

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Number.	Date.	FOR	From or To—	FROM	TO.	Subject.	
242461	8/13	Dispo		CHESTER	Wash	Audion	156-6
242380	8/13	Pug Sd M.Is.		Wash	Pug Sd M.Is	Receivers	898
242803	8/13	Squantum		Wash	Squantum	Spares	736-1
243367	8/13	Yamacraw		Wash Norf	NN	Apparatus	704
	8/14	3rd Dist		Wash	NY	Radio blank forms	609
243700	8/14	DUNCAN		Wash	Duncan	Receiver	516-6
242194	8/14	HUNTINGTON		Wash	HUNTINGTON	Wave meter	477-6
"	"	"		Norf	"	Q uenched gap	"
243704	8/14	REID		Wash	REID	Receiver	371-6
243703	8/14	PRESTON		Wash	PRESTON	Receiver	362-6
243701	8/14	MAYRANT		Wash	MAYRANT	Receiver	284-6
243702	8/14	FLUSSER		Wash	FLUSSER	Receiver	206-6
243699	8/14	BEALE		Wash	BELAE	Radio apparatus	134-6
231579	8/14	Various Sta		Wash	NY	Apparatus	876
243740	8/15	YANKTON		Wash	YANKTON	Apparatus	490-6
243897	8/15	DES MOINES		N^Y	Ports	VOID.	
203051	8/15	TEXAS		Wash	TEXAS	Receiver and audion	132-6
243805	8/15	Aero Sta		Wash	Aero Sta	Trans set	918
243160	8 /15	KANAWHA		Wash	KANAWHA	Receiver and detector	898
243369	8/15	Cavite		Wash	Cavite	Apparatus	806
240408	8/15	Bridgeport			Bost	Set	771-1
234739	8/15	VATERLAND		Wash	NY	Receiver	771-1
243743	8/15	Manning		Wash	Manning	Apparatus	704

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RADIO SHIPMENTS REQUESTS.

Number.	Date.	FOR	From or To—	FROM	TO	Subject.	
239577	7/24	Dispo		NY	Wash	Receiver	771-1
239722	7/24	Ships		NY	Yards	Trans and rec sets	771
240315	7/25	ARIZONA		Wash	ARIZONA	Instrn set	529-6
238249	7/25	Chasers		Wash	NY	Receivers	1-Z-6
239175	7/25	Condor		Wash	Chasn	Receiver	SP
"	7/25	"		NY	"	Radio set	SP
240208	7/25	Yards		Wash	Yards	Buzzer blinker radio sets	876
240314	7/25	Darien		Wash	Darien	Wave meter	851
240320	7/25	Aero Sta		Wash	Aero Sta	Transmitter	827
240363	7/26	MANLEY		NY	Bath	Insulators	582-6
240316	7/26	CUYAMA		W ash	CUYAMA	Receiver	576-6
239734	7/26	Dispo		N.H.	Wash	Receiver	312-6
240097	7/26	119		Wash	NN	Apparatus	119-Q-6
"	"	"		NY	NN	Trans sets	"
240809	7/28	Dispo		RALEIGH	Wash	Receiver	368-6
"	"	RALEIGHT		Wash	RALEIGH	Receiver	"
239922	7/28	Marine Corps		Wash	Phila	Apparatus	876
240810	7/28	Grt Lakes		Wash	Grt Lakes	Relay key	854
240951	7/28	Darien		Wash	Darien	Antenna wire	851
240920	7/28	Chasn		NY	Chasn	Trans set	807
240811	7/28	German ships		Wash	Bost	Receivers	771-1
240950	7/28	Manning		Norf	Chasn	Radio set	704
239175	7/29	Condor		Wash	Chasn	audion	SP
240922	7/30	Aviation Detach		Wash	1st Dist	Transmitters, etc.	918

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
240921	7/30	Pearl Harbor	NY	Pearl Harbor	Trans set	852
240920	7/30	Dispo	Chasn	Wash	Radio sets.	807
241328	7/31	ST. LOUIS	Wash	Bost	Receiver	383-6
240923	7/31	PADUCAH	Wash NY	Ports	Apparatus.	329-6
241164	7/31	Dispo	NEW HAMPSHIRE	Wash	Wave meter	312-6
241167	7/31	Dispo	HANNIBAL	Wash	Receiver	225-6
241166	7/31	Dispo	HANCOCK	Wash	Wave meter	224-6
241327	7/31	Amer S.B.Co	Wash NY	Ampr C o	Apparatus	19-N-6
241303	7/31	Dispo	ROE	Wash	detector	898
241755	8/2	SEATTLE	Ports	NY	Gen and transformers	474-6
241704	8/2	STERLING	~~Phila~~ NY	Phila	Turbo Gen and spark gap	412-6
237403	8/2	Dispo	MONTGOMERY	Wash	Trans set	301-6
237403	8/2	MONTGOMERY	NY	Norf	Trans set	301-6
240321	8/2	Ships	Wash	S hips	Instruction sets	876
241515	8/2	Tutuila	Wash	Tutuila	Wave meter	846
241703	8/2	New Orl	Wash	New Orl	Decremeter	821
237403	8/2	Bost Phila	NY	Bost Phila	Trans and rec sets	876
240321	8/3	Grt Lakes	Wash	Grt Lakes	Instrn set	876
208972	8/4	SCHLEY		Bost	Trans set	586-6
241327	8/4	TUGS	Wash	TUGS	Receiver	19-N-6
241786	78/4	HENDERSON	Wash	HENDERSON	Apparatus	511-6
241147	8/4	Dispo	ST LOUIS	Wash	Receiver	383-6
241147	8/4	ST .LOUIS	Wash	ST LOUIS	Receiver	383-6

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RADIO SHIPMENT REQESTS.

Number.	Date.	For From or To—	From	To	Subject.	
237914	7/13	SMITH	NY	Chasn	Spare armature.	402-6
237820	7/13	REID	NY Bost	Bost	Apparatus	371-6
238177	7/13	REID	NY	Chasm	Trans transformer	371-9
238249	7/13-14	Chasers	Yards	Yards	Apparatus	1-2-6
238042	7/13	"	"	"	"	"
238204	7/14	MASS	Bost	Phila	Radio set	281-6
238212	7/14	INDIANA	Norf	Phila	Radio set	240-8
232744	7/14	Cherrystone	Wash	Norf	Masts	862
"	"	"	NYdio se	Norf	Radio set	862
237306	7/16	TACOMA	ReceiveWash	TACOMA	Receiver	425-6
237967	7/16	CULGOA	Wash	CULGOA	Receiver	172-6
238581	7/16	Pearl Harbor	Wash	Pearl Harbor	Receiver	852
238538	7/16	San Diego	Wash	San Diego	Ditto	830
237973	7/16	Guam	Wash	Guam	Ditto	813
238582	7/16	Cavite	Wash	Cavite	Ditto	806
	7/17	Frisco	Wash	Frisco	Radio blank forms	609
238854	7/17	SALEM	Wash	Bost	Apparatus	384-6
238892	7/17	PADUCAH	Wash	Ports	Receiver	329-6
236974	7/17	Dispo	MINNESOTA	Wash	Apparatus	290-6
238891	7/17	CHESTER	Wash	Bost	Receiver	156-6
238939	7/17	PENNA	Wash	PENNA	De Forest Oscillion	130-6
231977	7/17	NY	Phila	NY	Radio compass	919
238729	7/17	Phila	Wash	Phila	receivers	898
238750	7/17	PRES GRANT	Wash	NY	Receiver	771-1

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RADIO SHIPMENT REQUESTS.

Number.	Date.	For	From or To— From	To	Subject.	
237676	7/18	ISABEL	Wash	Bath	Receiver	599-6
237676	7/18	ISABEL	NY	Bath	Trans set	599-6
238805	7/18	SCHLEY	Wash	Bost	Receiver	586-6
238687	7/18	DOWNES	Wash	Phila	Receiver	445-6
237306	7/18	TACOMA	Wash	TACOMA	Receiver	425-6
238854	7/18	SALEM	Wash	Bost	Receiver	384-6
238890	7/18	BIRMINGHAM	Wash	Bost	Wave meter	138-6
238961	7/18	New Orl	Wash	New Orl	Receivers	821
232744	7/18	Cherrystone	Wash	Norf	receiver	862
	7/19	Frisco	Wash	Frisco	B lank forms	609
232462	7/19	MANLEY	Phila	Bath	Apparatus	582-6
239377	7/19	SALEM	Phila	Bost	Ditto	384-6
237820	7/19	REID	NY	Chasn	Trans condensers	371-6
232359	7/19	Dispo	KENTUCKY	Wash	Receiver	258-6
239384	7/19	Chasn	Bost	Chasn	Condensers	882-1
238581	7/20	Pearl Harbor	Wash	Pearl Harbor	Receiver	852
239522	7/20	Guam	NY	Guam	Trans set	813
235119	7/20	Tugs	Wash	Norf	Radio set	727
239798	7/21	Aero radio set from Wash to Pensa				918
239533	7/21	Aphrodite	Wash	NY	Wave meter	SP
232462	7/20	MANLEY	NY	Bath	Insulators	582-6
239480	7/21	MAIN	Wash	MAINE	12 buzzer blinker radio sets	274-6
240107	7/24	UTAH	Wash	UTAH	Receivers	455-6
238785	7/24	Dispo	3rd Dist	NY	Port field set	897

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RADIO SHIPMENT REQUESTS.

Number.	Date.	For	From or To— From	To	Subject.	
236575	7/3	VESTAL	Wash	VESTAL	Operating key	457-6
236108	7/3	MONTANA	Wash	MONTANA	Apparatus	299-6
208503	7/3	JUPITER	Wash	JUPITER	Ultraudion	251-6
236437	7/3	Rehoboth	Wash	Phila	Rec set ex-PATTERSON/	771
236192	7/3	KENTUCKY	Wash	NY	Tran set	258-6
235255	7/5	BATTLE CRUISER	Wash NY	NN	Radio apparatus	4-BB-6
235257	7/5	"	"	NYS	"	3-BB-6
235256	7/5	"	"	NN	"	2-BB-6
235258	7/5	"	"	FR	"	1-BB-6
233731	7/6	Grt Lakes	Wash	Grt Lakes	Radio apparatus.	875
237009	7/6	Grt Lakes	Wash	Grt Lakes	Field sets	854
236795	7/6	Cavite	M.Is.	Cavite	Ultraudion	806
236498	7/6	NO CARO	NY	No CARO	Antenna	320-6
236974	7/6	MINNESOTA	Wash	MINNESOTA	Receiving set	290-6
236969	7/6	KANSAS	Wash	KANSAS	"	255-6
234940	7/6	TBD 95	Wash	FR	Apparatus	95-Q-6
233731	7/7	Grt Lakes	Phila	Grt Lakes	Weston meters	875
236975	7/7	MISSOURI	Wash	MISSOURIR	Receiving set	292-6
236971	7/7	LOUISIANA	Wash	LA	"	268-6
236976	7/7	NEW HAMPSHIRE	Wash	N.H.	"	312-6
234939	7/7	Destroyers	M.Is.	Union	Trans sets	87-Q-6
235474	7/6	"	NY	Cramps	"	113-Q-6
234949	7/6	"	Wash	#	Rec sets & ultraudions	97-Q-6
234941	7/6	"	Wash	M.Is	Rec sets	93-Q-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
234939	7/6	Destroyers	Wash	Union	Receiving sets	87-Q-6
236973	7/7	MICHIGAN	Wash	MICHIGAN	Receiving set	286-6
236972	7/7	MAINE	Wash	MAIN	"	274-6
234938	7/7	Destroyers	Wash	FR	Radio apparatus	79-Q-6
"	"	"	NY	"	Trans sets	"
236970	7/9	KEASARGE	Wash	KEASARGE	Rec set	257-6
234729	7/9	Disp	N orf	Wash	Apparatus	108-6
237541	7/10	FLUSSER LAMSON PRESTON REID	Wash	CChasn	RDetectors	496
236979	7/10	WISCONSINS	Wash	WISCONSIN	Rec set	481-6
236978	7/10	VERMONT	Wash	VERMONT	Ditto	456-6
237306	7/10	TACOMA	Wash	TACOMA	SDitto	425-6
237542	7/10	REID	Wash	Chasn	Wave meter	371-6
236977	7/10	NEW JERSEY	Wash	NEW JERSEY	Rec Set	313-6
236976	7/10	NEW HAMPSHIRE	Wash	NEW HAMPSHIRE	Rec set	312-6
237578	7/10	Dispo	CONN	Wash	Apparatus	169-6
237552	7/10	SAN DIEGO	Wash	SAN DIEGO	Port field set	147-6
235674	7/11	RODGERS	Wash	Bost	Rec set	380-6
237813	7/11	Dispo	Bost	Wash	Radio compass	919
237520	7/11	J.W.Moritz	Wash	HY	Rec set	897-1
237718	7/11	Yards	Wash	Yards	Kolster decremeters	893-1
237717	**7/12**	**O-3**	**NY**	**Bost**	**Trans set**	**514-6**
237841	**7/12**	**De Forest Co**	**Goodyear Co**	**De Forest**	**motor generator**	**882-3**
237985	**7/12**	**Pt. Isabel**	**NY**	**Pt Isabel**	**Trans set**	**853**
234799	**7/12**	**Elec School**	**Yards**	**NY**	**Apparatus**	**707-3**

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— For	From	To	Subject.	
234177	6/19	MINNEAPOLIS	Wash	Phila	Apparatus	289-6
233926	6/19	MARS	Pug Sd	MIs.	Turbo generator	279-6
227368	6/19	GRT LAKES	Wash	Grt Lakes	Port field sets	854
229405	6/19	Radio	B ost	W ash	Air condenser	843
228215	6/19	Frisco Train Sta	Wash	Frisco	Port set	842
233266	6/19	Chasn	Wash	Chasn	Apparatus	807
221030	6/19	Grt Lakes	Wash	Grt Lakes	Apparatus	769
234484	6/20	Dispo	Norf	Wash	tikker detector	898
234235	6/20	Merchant ships	NY	Chasn	Trans set	771
234235	6/20	"	NY	New Orl	Ditto	771
234236	6/20	"	Wash	Chasn	Rec set and ultraudion	771
234238	6/20	"	Ditto		"	771
221113	6/20	"	Wash	Phila	Apparatus	771
234239	6/21	Merchant ships	Wash	Grt Lakes	Rec set and ultraudion	771
234240	6/21	"	NY	"	Trans set	771
234559	6/21	"	Wash	NY	Rec sets and detectors	771
234644	6/21	"	Yards	Yards	apparatus	771
229405	6/22	Radio	Bost	Wash	Condenser	843
234666	6/22	Locksum	M.Is.	Pearl Harbor	Apparatus	771-1
	6/23	Yerba Buena	Wash	Frisco	Blank forms	609
234926	6/23	Merchant ships	Pug Sd	M.Is.	Trans and rec set.	771
234925	6/23	SHAW	Wash	SHAW	Rec set	572-6
234872	6/23	UTAH	Phila	UTAH	Radio compass	455-6
234718	6/22	NO. DAKOTA	Wash	No DAKOTA	De Forest detector	321-6
232686	6/22	Dispo	Phila	Wash	Radio set	107-5
"	"	ALABAMA	NY	Phila	Trans set	"

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO.	Subject.	
234729	6/27	ALBANY	NY	Norf	Radio apparatus.	108-6
235178	6/28	G-4	Wash	G-4	Ultraudion	436-6
235188	6/28	R. I.	Wash	R.I.	Radio material.	377-6
235210	6/28c	OSCEOLA	NY	OSCEOLA	Trans set	327-6
235192	6/28	OHIO	Wash	OHIO	Rec. set	323-6
234951	6/28	NEW YORK	Wash	NEW YORK	Port field set	131-6
234940	6/28	95-Q-6	Yards	FR	Radio apparatus.	95-Q-6
234937	6/28	TBD 75	Yards	Bath	Radio apparatus	75-Q-6
235725	6/29	Grt Lakes	NY	Grt Lakes	Quenched spark gap	854
236178	6/30	Staatsekretar	M.Is.	Tutuila	Radio apparatus.	771
236038	6/30	SAN FRAN	NY	Ports	Arc radio set	389-6
235951	6/30	KENTUCKY	Wash	KENTUCKY	Rec set	258-6
235850	6/30	ALABAMA	Wash	ALABAMA	Rec set	107-6
236046	6/30	Mahma	NY	London	Radio apparatus.	SPq
234939	6/29	Tbds	NY	Union	Trans sets	87-Q-6
"	"	"	Wash	Union	Radio apparatus.	"
235755	6/30	SAN FRAN	NY	Ports	Wave changer.	389-6
236422	7/2	O-6	~~Bost~~ NY	Bost	Trans set	574-6
"	"	"	Wash	"	Apparatus.	"
236131	7/2	FREDERICK	Pug Sd	FREDERICK	Generator	280-6
235682	6/30	Cavite	Wash	Cavite	Condensers	806
236435	7/2	City of Lewes	Wash	Phila	Rec set	771
234591	7,2	Hamburg	Wash	NY	Rec set	771
174575	7/3	PERRY	NX	NY	Trans set	496

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
232116	6/6	HENDERSON	Wash	Phila	Coils	511-6
230731	6/6	Dispo	Norf	Wash	Trans set	130-6
232026	6/6	Aphrodite	Wash	NY	Radio apparatus	SP
232119	6/6	Pekin China	M.Is.	Pekin	Short wave receiver	857
232195	6/7	LOUISIANA	Wash	LA	Ultraudion detector	268-6
232359	6/7	KENTUCKY	Wash	KENTUCKY	Receiving set	258-6
232194	6/7	De Kalb	Wash	De Kalb	Receiver	771-1
232517	6/8	HENDERSON	Bu	HENDERSON	Short wave receiver	511 --6
232188	6/7	Dispo	Grt Lakes	Wash	Trans set	491-6
232188	6/7	YANTIC	NY	Grt Lakes	Trans set	491-6
222880	6/8	PERKINS	Phila	PERKINS	Rotor	346-6
232518	6/8	Inspr Akron	Wash	Inspr Akron	Motor generator	882-3
231902	6/8	Wash	Bost	Wash	Trans condenser	882-1
232712	6/9	CALIFORNIA	Wash	M.Is.	Apparatus.	592-6
232713	6/9	"	NY	"	Trans set	592-6
232712	6/9	TENNESSEE	Wash	NY	Apparatus.	573-6
232711	6/9	NEW MEXICO	"	NY	"	554-6
229797	6/9	SEATTLE	Wash	SEATTLE	Receiving set	474-6
221229	6/9	Aero Sta	Wash	Aero Sta	Receiving set	897-1
232847	6/11	OLYMPIA	NY	Chasn	Wave changer	324-6
222290	6/11	ALABAMA	Wash	ALABAMA	Kolster decremeter	107-6
231656	6/11	Admiral Sims	Wash	NY	Radio apparatus	793-1
232818	6/11	Saxonia	Wash	Pug Sd	Receiving set	771-1
232214	6/7	Sub Base New L.	Wash	New Lond	Trans and rec set	861

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
233083	6/12	W. VA	Wash	NN	Apparatus	48-B-6
233083	6/12	W. Va.	NY	NN	Trans set	48-B-6
233099	6/12	WASHINGTON	Wash	NYS	Apparatus	47-B-6
233099	6/12	WASHINGTON	NY	NYS	Trans set	47-B-6
233085	6/12	MARYLAND	Wash	NN	Apparatus	46-B-6
233085	6/12	MARYLAND	NY	NN	Trans set	46-B-6
233084	6/12	COLORADO	Wash	NYS	Apparatus	45-B-6
233084	6/12	COLORADO	NY	NYS	Trans set	45-B-6
232579	6/12	Dirigible School	Wash	School	Instrns set.	918
233255	6/12	Virgin Isles	Wash	Virgin Isles	Engine spares	699
233596	6/14	KANAWHA	Wash	KANAWHA	Receiving set	508-6
233595	6/14	Dirigible School	Wash	School	Instruction sets.	918
233594	6/14	Xarifa	Wash	NY	Receiving set	771-1
233304	6/14	BRIDGE	Wash	BRIDGE	Detector	533-6
233418	6/13	SUB CHASERS	Wash	NY	Receiving sets	1-2-6
232773	6/13	M.Is.	NY	M.IS	Motor generator	882-3
225533	6/15	Dispo	SEATTLE	Wash	Radio compass	919
234044	6/16	Pearl Harbor	Wash	Hawaii	Blank forms	852
233398	6/14	R.J.Anderson	NY	Newport	blinker set, etc.	SP
233747	6/15	MAINE	NY	MAINE	Wave changer	274-6
221113	6/19	Merchant ships	Yards	Yards	Trans sets receiving sets, etc.	771
234371	6/19	IDAHO	Wash	NYS	Port field set	563-6
234370	6/19	MISS	Wash	MISS	Ditto	562-6
234336	6/19	MELVILLE	Phil	MELVILLE	Rotary spark gaps	510-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
230179	5/25	SMITH	Bost	Chasn	Wave changer & loading coil	402-6
"	"	"	Chasn	Norf	Generator, trans transformer	402-6
"	"	"	Norf	Chasn	Gap and generators.	402-6
"	"	Bost	Chasn	Bost	Quenched gap	402-6
230178	5/25	De Kalb	Wash	Phila	Receiving set	771-1
230248	5/26	MONADNOCK	Wash	MONADNOCK	Receiving set	297-6
231512	5/28	Dispo	Chasn	Wash	Receiving set	771-1
231512	5/28	Wash	~~Chasn~~Wash	Chasn	Receiving set	771-1
230551	5/28	Phila	Wash	Phila	Bulbs	916-5
230228	5/28	Wash	COLUMBIA	COLUMBIA	Receiving set and bulbs.	167-6
230513	5/28	Wash	Phila	MAYRANT	Ultraudion and wave meter	284-6
230552	5/28	Dispo	Norfla	Phila	radio compass	205-6
230730	5/28	Stock	Wash	Phila	Receiving sets	876
"	"	"	"	NY	"	"
"	"	"	"	Bost	"	"
221113	5/29	MERCHANT SHIPS	Yards	Yards	Radio apparatus	771
230730	5/29	Yards	Wash	Yards	Receiving sets.	876
230872	5/29	Olongapo	Wash	Olongapo	Receiving sets	826
229633	5/29	Chasn	Wash	Chasn	Wave meter	916-7
230736	5/29	Ships	Wash	Ships	Portable radio set	897-1
230537	5/29	TEXAS	Wash	TEXAS	Audion bulbs.	132-6
230868	5/29	Aero Sta	Bost	Aero Sta	Radio set	SP
221113	5/30	Merchant V.	Yards	Yards	Receiving sets	771
230434	5/31	Manning	Balto	Chasn	Gen sets	704

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
221113	5/31	Merchant ships	Wash	Phila	Receiving sets	771
230880	5/31	DISPO	WYOMING	Wash	Arc relay key.	488-6
231196	5/31	TEXAS	Wash	TEXAS	Head tele sets	132-6
221113	6/1	Merchant Ships	Yards	Yards	Radio apparatus	771
231320	6/1	Phila	Wash	Phila	Receiving set	916-5
231319	6/1	Bost	NY	Bost	Trans set	802
231513	6/2	WYOMING	Wash	WYOMING	Instruction set	488-6
231520		SEATTLE		SEATTLE		474-6
231521		SAN FRAN		SAN FRAN		389-6
231518		R.I.		R.I.		377-6
231522		OLYMPIA		OLYMPIA		324-6
231519		MINNESOTA		MINNESOTA		290-6
231516		CONN		CONN		169-6
231515		NEW YORK		NEW YORK		131-6
231514		ARKANSAS		ARKANSAS		121-6
231517		ALABAMA		ALABAMA		107-6
231132	6/2	Grt Lakes	NY	Grt Lakes	Copper braid	854
231132	6/2	Grt Lakes	Bost	Grt Lakes	Leyden Jars	854
231132	6/2	Grt Lakes	Wash	Grt Lakes	Crystal detectors	854
230843	6/2	MISSOURI	NY	MISSOURI	Apparatus	292-6
231492	6/2	ST. LOUIS	Wash	Phila	Ultraudion	383-6
231773	6/4	Kilbourne & Clark	CHICAGO	Company	Transformers	158-6
232026	6/5	APHRODITE	SAN FRANCISCO	APHRODITE	Long wave receiver.	771-1

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Number.	Date.	From or To—		Subject.		
228083	5/15	Dispo	PATTERSON	Wash	Receiving set	335-6
228329	5/15	NEW JERSEY	Wash	NEW JERSEY	Field radio set	313-6
228328	5/15	MICHIGAN	Wash	MICHIGAN	Radio set	286-6
228229	5/15	McCALL	Wash	McCALL	Receiving set	269-6
228127	5/15	AMMEN	Wash	AMMEN	Ultraudion	115-6
228404	5/16	Aero Sta	Wash	Aero Sta	Buzzer blinker outfits.	736
228517	5/16	Kiel	Wash	Chasn	Receving set	771-1
~~3~~	5/16	"	NY	"	Trans set	"
226882	5/16	Coast Guard Depots	C.G.	Ships Apparatus	From Coast Guard Ships	704
228420	5/16	ALLEN	NY	Phila	Motor generator	570-6
228566	5/16	MAUMEE	Wash	NY	Radio set	556-6
228042	5/16	PARKER	Wash	PARKER	Head telephone sets	518-6
228564	5/16	KANAWHA	Wash	Norf	Apparatus	508-6
228542	5/17	Elec School	Wash	Ny	Buzzer Instrn sets	707-3
228500	5/16	Testing	Norf	NY	Quenched spark gaps	898
228555	5/17	CUYAMA	Wash	Norf	Arc radio set	586-6
228548	5/17	SEATTLE	Wash	SEATTLE	Receiving set	474-6
228566	5/17	SALEM	Wash	Bost	Arc radio set	384-6
228742	5/17	FANNING	Wash	FANNING	Ultraudion	203-6
228570	5/17	CULGOA	Wash	CULGOA	Ditto	172-6
228556	5/17	NEREUS	Wash	Norf	Arc radio set	165-6
228557	5/17	PROTEUS	Wash	Norf	Ditto	164-6
228513	5/17	NEW YORK	Wash	NEW YORK	Condensers & Keys.	131-6
228874	5/18	Assignment	Pug Sd	M.Is.	Apparatus	771

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RADIO SHIPMENTS REQUESTS.

Number.	Date.	From or To—		Subject.		
224333	5/18	Dubilier Co	Phila	Dubilier Co	Protective device	885
229085	5/19	Sultana	Wash	NY	Receiving set	771
213281	5/19	Dispo	Darien	Wash	Trans set	808
"	"	"	"	NY	Storage battery	808
225731	5/19	Grt Lakes	Don Jaun De Austria	Grt Lakes	Radio apparatus	190-6
229338	5/21	German Ships	Wash	NY	Receiving sets	771
228694	5/21	Pearl Harbor	Wash	Pearl Harbor	Receiving sets	852
228318	5/21	VIRGINIA	Wash	Bost	Apparatus	465-6
229145	5/21	PENNA	Wash	PENNA	Instruction set	130-6
229810	5/23	Dispo	Pug Sd	M.Is.	Trans set	876
229797	5/23	SEATTLE	Wash	SEATTLE	Receiving set	474-6
229441	5/23	GEORGIA	Wash	GEORGIA	Receiving set	215-6
229806	5/23	DISPO	WHIPPLE	Wash	Trans set	479-6
229807	5/23	Dispo	STEWART	Wash	Ditto	413-6
229908	5/23	Dispo	PREBLE	Wash	Ditto	361-6
229809	5/23	Dispo	PAUL JONES	Wash	Ditto	338-6
230027	5/24	Portland-Waine L.V.	Wash	Ports	Trans and rec set	678
229285	5/24	Lexington	NY	Chasn	Trans and rec set.	771
230028	5/24	Vedette	Wash	NY	Receiving set	771
229206	5/24	DES MOINES	Phila	Ny	Radio set complete	185-6
229206	5/24	DES MOINES	NY	Wash	Receiving set	185-6
221229	5/23	Aero Sta	Wash	Aero Sta	Port receiving set	897-1
230200	5/25	Andromeda	Phila	New Orl	Protective device.	771
"	"	"	Bost	"	Leyden jars.	"
"	"	"	Wash	"	radio detector	"

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
206701	5/8	PENNA	Wash	PENNA	Port receiving set	876
206701	5/8	ARIZONA	Wash	ARIZONA	Ditto	876
226954	5/8	WILKES	Wash	WILKES	Wave meter	571-6
226953	5/8	ALLEN	Wash	ALLEN	Wave meter	570-6
216894	5/8	Dispo	WHIPPLE	M.Is.	Tikker detector	479-6
226951	5/8	TERRY	Wash	TERRY	Wave meter	432-6
226952	5/8	PERKINS	Wash	PERKINS	Wave meter	346-6
2q5084	5/8	PENNA	NY	PENNA	Trans set	130-6
225318	5/8	ALBANY	Wash	ALBANY	Amplifier transformer	108-6
213732	5/8	Dispo	KEARSARGE	Wash	Trans set	257-6
227058	5/9	Repairs	Chasn	Wash	Receiving set	876
227135	5/9	Dispo	MICHIGAN	Wash	Rec and trans set	876
227060	5/9	Yards	Wash	Yards	Ultraudions	898
227304	5/9	NY	Wash	Ny	Wave changer	346-6
218915	5/9	Dispo	SAN FRANCISCO	Wash	Wave meter	268-6
222314	5/9	Eitel Frederick	NY	Phila	Trans set	771
225870	5/10	Angel	N.Ys.	M.Is.	Trans set	771
222701	5/10	WYOMING	Wash	WYOMING	Variable condenser	882-1
227505	5/10	Aero Sta	Wash	Aero Sta	Apparatus.	916-8
226616	5/10	Dispo	Ports	Wash	Trans Set	474-6
"	5/10	SEATTLE	NY	Ports	Trans set	"
"	5/10	Dispo	SEATTLE	Wash	wave meter and decremeter	"
227549	5/10	TOPEKA	~~Trans~~NY	Ports	Trans set	439-6
227549	5/10	TOPEKA	Wash	Ports	Receiving set	439-6
224343	5/10	SOLACE	Wash	SOLACE	Receiving set	404-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
224343	5/11	Dispo	NY	Wash	Trans set	404-6
227594	5/11	TRIPPE	Wash	TRIPE	Head telephone sets	448-6
227652	5/11	Christabel	Wash	NY	Receiver	771
227763	5/11	Assignment	Wash	Bost	Portable field set	771
"	5/11	"	Wash	NY	"	"
227732	5/11	"	Norf	NY	Radio apparatus	876
"	5/11	"	Norf	Bost	"	"
"	5/11	"	Norf	Phila	"	"
227504	5/11	Laboratory	Wash	Pensa	"	916-8
227924	5/11	Assignment	Ships	NY	Apparatus	771
	5/12	PCS	Wash	San Fran	Radio blank forms	609
227786	5/12	Bu Stands Lab	Phila	Wash	Radio compass	916
~~227571~~	~~5/11~~					
221890	5/14	New Orl	Wash	New Orl	Buzzer sets.	821
227924	5/14	Merchant Vessels	Ships	Yards	Apparatus	771
228022	5/14	ALLEN	ARKANSAS	ALLEN	Receiving set	570-6
228162	5/14	Wash	BALCH	Wash	Receiver	520-6
228026	5/14	BALCH	CONN	BALCH	Receiving set	520-6
226732	5/14	PARKER	Wash	PARKER	Ditto	518-6
228025	5/14	WYOMING	Wash	WYOMING	Receiving set	488-6
228027	5/14	SEATTLE	Wash	SEATTLE	Aero radio set	474-6
228024	5/14	PATTERSON	WYOMING	PATTERSON	Receiver	335-6
228161	5/14	CONN	Wash	CONN	receiving set	169-6
228023	5/14	ARKANSAS	Wash	ARKANSAS	Receiving set	121-6
226882	5/15	Coast G.Cutters	Yards	Cutters	Apparatus	704

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Number.	Date.	From or To—		Subject.		
221113	5/2	German Ships	NY	Yards	Radio sets.	771
225799	5/2	Mohawk	Wash	Mohawk	Filament bulbs.	704
225899	5/2	CHICAGO	NY	CHICAGO	Panel for key control	708
222314	5/2	EITEL FREDERICK	NY	Phila	Trans set.	771
	5/3	**Pearl Harbor**	**Wash**	**M.Is.**	**Radio blank forms**	**609**
225533	5/3	Dispo	BIRMINGHAM	Wash	Radio compass	919
225911	5/3	CUYAMA	Wash	CUYAMA	Wave meter	576-6
225908	5/3	MAUMEE	Wash	MAUMEE	Ditto	556-6
225913	5/3	JASON	Wash	JASON	Ditto	521-6
225910	5/3	KANAWHA	Wash	KANAWHA	Ditto	508-6
225909	5/3	NEREUS	Wash	NEREUS	Ditto	165-6
225912	5/3	ORION	Wash	ORION	Ditto	163-6
225914	5/3	PROTEUS	Wash	PROTEUS	Ditto	164-6
225914	5/3	"	"	"	Ultraudion	164-6
225915	5/3	ROE	Wash	ROE	Ditto	381-6
225788	5/3	SARATOGA	M.Is	Pug Sd	Ditto	316-6
225742	5/3	CHESTER	Wash	CHESTER	Receiving set.	156-6
226108	5/3	PENNA	Wash	PENNA	Buzzer blinker instrn sets	130-6
226063	5/3	MONAGHAN	NY	Chans	Wave changer	411-6
226064	5/3	STERRETT	NY	Chasn	Ditto	411-6
226224	5/4	Coast Guard Cutters	Yds	Yards	Radio apparatus.	704
226129	5/4	HARVARD	Wash	NY	Receiving set	771
226130	5/4	KRONPRINZ WILHELM	Wash	Phila	Ditto	771
226124	5/4	JACOB JONES	Wash	JACOB JONES	receiving set	552-6

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Number.	Date.	From or To—		Subject.	
226150	5/4	Wellsfleet	Wash	Bost Receiving set	876
225902	5/4	TERRY	Wash	TERRY detector	432-6
225903	5/4	PERKINS	Wash	PERKINS Ditto	346-6
225905	5/4	MONAGHAN	Wash	MONAGHAN Ditto	298-6
225906	5/4	DIXIE	NY	DIXIE Spark gaps	188-6
225906	5/4	DIXIE	Wash	DIXIE Filament bulbs.	188-6
225907	5/4	Disp	BALCH	Wash Wave meter	520-6
225904	5/4	STERRETT	Wash	STERRETT Ultraudion detector	411-6
226224	5/5	Various ships		Coast Gaurd Vessels Radio sets	704
224124	5/5	Gefor	M.Is.	:earl Harbor Trans set	876
226184	5/5	SAN DIEGO	SO DAKOTA	Receiver	408-6
226568	5/5	MELVILLE	Wash	MELWILLE Kolster decremeter	510-6
226563	5/5	CUSHING	FLORIDA	CUSHING Long wave receiver	543-6
226558	5/5	ERICSSON	NEBRASKA	ERICSSON Long wave receiver	544-6
226552	5/5	WADSWORTH	UTAH	WADSWORTH Long wave receiving set	551-6
226553	5/5	UTAH	NY	UTAH Receiving set	455-6
226224	5/7	Coast Guard Cutters	Various	Various Yds Apparatus	704
216284	5/7	Darien	NY	Darien Quenched spark gap	850
226861	5/7	MELVILLE	Wash	Bost Receiving set	510-6
225732	5/7	Dispo	NY	Wash Receiver	438-6
225326	5/7	SARATOGA	M.Is.	Pug Sd Portable set	316-6
226560	5/7	NEBRASKA	Wash	NEBRASKA Receiving set	308-6
226561	5/7	FLORIDA	Wash	FLORIDA Receiving set	205-6
226890	5/7	Harvard	Wash	NY Receiving set	771
223067	5/7	New Orleans	NY	New Orleans Spark gap	821

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To—		Subject.		
222765	4/19	NASHVILLE	Wash	Nashville	Receiving set	306-6
222782	4/19	SAMPSON	Wash	SAMPSON	Receiving set	567-6
223316	4/19	LIBENFELS	Wash	Chans	Marconi receiver.	771
222314	4/20	Eitel Frederick	Wash	Phila	Wave meter and ultraudion	771
223349	4/20	San Diego	NY	M.Is.	Wave changer	830
223815	4/20	CHICAGO	Wash	CHICAGO	Apparatus.	158-6
216884	4/20	Disposition	DEL AWARE Wash		Receivers.	182-6
223156	4/20	KEARSARGE	Wash	Bost	ultraudion detector.	257-6
223885	4/20	VICKSBURG	Pug Sd	VICKSBURG	Ditto.	459-6
223816	4/20	DAVIS	Wash	DAVIS	Wave meter.	569-6
224084	4/21	Phila	Wash	Phila	Arc protective device.	685
219873	4/23	Guah	GWash	Guan	Choke coils for arc trans.	814
224226	4/23	PENNA	Chasn	NY	Motor generator	130-6
224463	4/24	Norf	Wash	Norf	Practice buzzer and blinker set	824
224461	4/24	Train Sta	Wash	San Fran	Ditto	842
224462	4/24	Grt Lakes	Wash	Grt Lakes	Ditto	854
216634	4/24	IDAHO	NY	NYS	Trans set	563-6
223916	4/25	Ill Nav Mil	Ports	Ill Nav Mil	Blinker signal set.	711-1
224658	4/25	KEARSARGE	NY	Bost	Trans set	257-6
203056	4/25	SAN FRANCISCO	NY	Ports	Trans set	569-6
224422	4/25	SMITH	~~Exxs~~ NY	Bost	Wave changer with loading coils	402-6
222014	4/25	HENLEY	Wash	HENLEY	Receiving set	442-6
216634	4/25	IDAHO	Wash	NYS	Apparatus.	563-6
224682	4/25	Aero Sta	NY	Aero Sta	Aeroplane radio set	918

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To—		Subject.		
224661	4/25	Disposition	NY	Bost	Trans set	876
224662	4/25	Ditto	NY	Norf	Ditto	876
224663	4/25	Ditto	NY	Phila	Ditto	876
222984	4/26	CHICAGO	NY	Phila	Transmitting set	167-6
224894	4/27	PRINZ WILHELM	Wash	Phila	Apparatus	771
"	"	" "	NY	"	Transmitting set	"
205391	4/27	CHICAGO	NY	CHICAGO	Transmitting set	918
222984	4/27	Disposition	Phila	NY	Trans set ex-CHICAGO	167-6
203056	4/27	Disposition	Ports	Phila	Radio compass	389-6
225065	4/27	VESUVIUS	NY	Newport	Trans set	458-6
224247	4/27	C-12	Wash	NY	Receiving set	542-6 5926
224247	4/27	Disposition	Mc DOUGAL	Wash	Receiving set	542-6
225226	4/28	BALTIMORE	Wash	BALTIMORE	Port field set	126-6
225229	4/28	DOLPHIN	Wash	DOLPHIN	Ditto	189-6
225228	4/28	VICKSBURG	Wash	VICKSBURG	Ditto	459-6
225085	4/28	CHARLESTON	Wash	CHASN	Oxide filament bulbs	153-6
225015	4/28	Disposition	Phila	NY	Trans set	289-6
225015	4/28	MINNEAPOLIS	NY	Phila	Trans set	289-6
225227	4/28	PANTHER	Wash	PANTHER	Port field set	332-6
225314	4/30	Fire Island	NY	Fire Island	Trans set	812
218053	4/30	Disposition	Darien	Wash	Tikker detector	851
206701	4/30	Disp	NY	Wash	Arc receiver	876
225199	5/1	WYOMING	Wash	WYOMING	Arc relay key	488-6
225629	5/1	MELVILLE	Wash	MELVILLE	Oxide filament bulbs	510-6
225629	5/1	MELVILLE	~~Wash~~ NY	MELVILLE	Quenched spark gaps	510-6

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RADIO SHIPMENT REQUESTS

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Number.	Date.	From or To—		Subject.		
220084	4/4	Tuckerton	Wash	Tuckerton	Ultraudion	891
220702	4/4	NY	NY	Laboratory	Ultraudion and rec set.	916-1
219851	4/5	H-1	Wash	H-1	Audion detector	420-6
219846	4/5	G-1	Wash	G-1	Ditto	393-6
219844	4/5	D-3	Wash	D-3	Ditto	385-6
2205264	4/5	Disposition	Pug Sd	M.Is.	Trans set	314-6
219843	4/5	D-1	Wash	D-1	Audion detector	305-6
219845	4/5	D-2	Wash	D-2	Ditto	221-6
220024	4/5	Disposition	Phila	Wash	Radio receiver	290-6
220548	4/6	Sayville	Wash	Sayville	Receiving set	855
219085	4/6	NO DAKOTA	Wash	NO DAKOTA	Port field radio set	321-6
221224	4/6	VIXEN	Wash	Phila	Radio set.	466-6
206701	4/7	Disposition	ARKANSAS	Wash	Receiver	876
219848	4/7	K-Boats	Wash	Boats	Audion detector	505-6
219847	4/7	K-Boats	Wash	Boats	Ditto.	421-6
219850	4/7	F-3	Wash	F-3	Ditto	350-6
216912	4/9	Disposition	Bost	Wash	wave meters.	843
218917	4/9	Disposition	CONN	Wash	Wave meters	169-6
218917	4/9	Disposition	CONN	NY	Spark gap	169-6
220913	4/9	FREDERICK	NY	M.Is.	Wave changer	280-6
221278	4/10	NEBRASKA	Wash	NEBRASKA	Apparatus.	308-6
219849	4/7	F-2	Wash	F-2	Audion detector	126-6
221471	4/11	Tuckerton	Wash	Tuckerton	Receiving set	891
221543	4/9	Disposition	Aero Sta	Wash	tikker detector	898

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Number.	Date.	From or To—		Subject.		
219849	4/7	F-2	Wash	F-2	Audion detector	128-6
221418	4/11	G-1	Wash	G-1	Radio set	393-6
221928	4/11	Disposition	MINN	Wash	Audion amplifier	290-6
221928	4/11	Disposition	CONN	Wash	Ditto	169-6
221610	4/11	ALBANY	Wash	ALBANY	Receiving set	108-6
214664	4/12	Dry Torguas	Wash	Key West	Receiving Set.	817
222280	4/12	Disposition	VIRGINIA	Wash	Pierce wave meter.	893-4
222281	4/12	Disposition	SAN DIEGO	M.Is.	Receivers	898
222421	4/14	Dry Tortugas	Wash	Key West	Trans and rec set.	817
217185	4/14	Examination	PENNA	NY	Insulators	911
221887	4/14	ST. LOUIS	M.Is.	ST. LOUIS	Ultraudion detector.	383-6
220884	4/14	MISS	Wash	NN	Receiving sets	562-6
220884	4/14	MISS	NY	NN	Transmitting set	562-6
222720	4/16	PUEBLO	NY	Pug Sd	Wave changer & Loading coil	166-6
222720	4/16	PUEBLO	Wash	PUEBLO	Wave meter	166-6
217299	4/17	Disposition	SEATTLE	Wash	Pierce Wave meter	474-6
222582	4/17	WYOMING	Wash	WYOMING	Ultraudion and wire	488-6
223314	4/18	Eitel Frederick	NY	Phila	Trans and receiving sets.	771
223315	4/18	Libenfels	NY	Chasn	Trans set.	771
222880	4/18	PERKINS	Phila	PERKINS	Rotary gap	346-6
223313	4/18	Destroyers	NY	Bost	Quenched sparkgaps.	550-6
209224	4/17	Phila	Wash	Phila	Variable condensers	882-1
222646	4/19	Guam	M.Is?	Guam	Antenna Wire	813
221471	4/19	Tuckerton	Wash	Tuckerton	Receiving set	891
222735	4/19	Patrol Vessels Atl Flt		Norf	Apparatus	1-Z-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
208096	3/22	Darien	wash	NY	Transmitting choke coils	851
218892	3/22	ARIZONA	Wash	NY	Storage battery and tele head	set 529-6
219054	3/23	JASON	Wash	JASON	Ultraudion detector, etc.	521-6
219057	3/23	VULCAN	Wash	VULCAN	Ditto	467-6
219050	3/23	NERO	Wash	NERO	Ditto	310)6
219051	3/23	NANSHAN	Wash	NANSHAN	Ditto	303-6
219049	3/23	MARS	Wash	MARS	Ditto	279-6
219055	3/23	NEREUS	Wash	NEREUS	Ditto	165-6
219056	3/23	PROTEUS	Wash	PROTEUS	Ditto	164-6
219048	3/23	BRUTUS	Wash	BRUTUS	Ditto	143-6
219053	3/23	AJAX	Wash	AJAX	Ditto	106-6
219052	3/23	ABARENDA	Wash	ABARENDA	Ditto	100-6
218911	3/23	PERKINS	NY	PERKINS	Wave changer & loading coils	346-6
218910	3/23	ROE	NY	Chasn	Ditto	381-6
218909	3/23	HENLEY	NY	HENLEY	Ditto	442-6
218913	3/23	DOWNES	NY	Phila	Ditto	445-6
218912	3/23	WALKE	NY	Chasn	Ditto	471-6
219418	3/24	GUAm	M.Is.	Guam	Radio repair material	813
219243	3/24	HUNTINGTON	Wash	HUNTINGTON	Long range rec set	477-6
219242	3/24	SO DAKOTA	Wash	SO DAKOTA	Ditto	408-6
219241	3/24	PITTSBURGH	Wash	PITTSBURGH	Ditto	342-6
219240	3/24	SARATOGA	Wash	SARATOGA	Ditto	315-6
218347	3/24	FREDERICK	Wash	FREDERICK	Ditto	280-6
219244	3/24	PUEBLO	Wash	PUEBLO	Ditto	166-6

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Number.	Date.	FOR From or To—	FROM	TO	Subject.	
213985	3/26	Danish We Ind	Wash NY	Indies	Various radio material	899
73	3/27	Wash	NY	Wash	Fixed condenser wave meter	706
218937	3/27	Chelsea	Wash	Bost	Apparatus	843
219637	3/28	PUEBLO	M.Is	Pug Sd	20 KW Arc radio set.	166-6
219162	3/24	Disposition	Ex-DOWNES	NY	Wave changer.	445-6
212494	3/29	Ships	NY	Yards	Distributing switches.	900
219815	3/29	CHARLESTON	Pug Sd	CHASN	Battery charging panel	153-6
219734	3/29	SAN DIEGO	Wash	SAN DIEGO	Ultraudion detector.	147-6
220255	3/30	Chasn	NY	Chasn	Wave changer & loading coils	807
220124	3/30	Wash	NY	Wash	Radio arc set	840.
213985	3/30	D.W.Indies	Wash	D.W.Indies	Wave meter.	899
219903	3/30	TEXAS	Wash	TEXAS	Resistance rod	132-6
220254	3/30	PEORIA	NY	Key West	Panel set	345-6
220254	3/30	PEORIA	Kew West	NY	Marconi trans set.	345-6
220256	3/30	OSCEOLA	NY	OSCEOLA	Radio arc set	327-6
220414	3/31	THORNTON DE LONG DAHLGREN	Wash	Chasn	Receiving sets.	435-6
220414	3/31	THORNTON	NY	Chasn	Trans set	435-6
220415	3/31	TINGEY	NY	Norf	Trans set	437-6
220415	3/31	TINGEY	Wash	Norf	Portable receiving set	437-6
220413	3/31	DE LONG DAHLGREN	NY	Chasn	1/2 K.W. trans sets.	183-6
220412	3/31	BAGLEY SHUBRICK	Wash	NY	Port receiving sets.	123-6
206701	4/2	Disposition	UTAH	Wash	Ultraudion	876
220255	4/2	CHARLESTON	M.Is.	CHARLESTON	Receiving set.	153-6
220725	4/3	NY Labortory	Wash	NY	Kolster decremetors	916-1

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RADIO SHIPMENT REQUESTS.

Number.	Date.	For From or To—	From	To	Subject.	
206701	3/1	Ships	Wash	Ships	De Forest long range rec set	876
214507	3/1	GLOUCESTER	Wash	NY	Radio receiving set.	217-6
215893	3/1	OZARK	Wash	OZARK	Radio receiving set	328-6
215893	3/1	BUSHNEL	Wash	BUSHNELL	Radio receiving set.	328-6
215884	3/1	SHAW	Wash	M.Is.	Pierce wave meter.	572-6
206701	3/2	Ships	Wash	Ships	Radio apparatus.	876
215796	3/2	NO DAKOTA	Wash	NO DAKOTA	Radio detector.	321-6
214867	3/3	Cordova	Wash	M.Is.	~~Long-range~~ wave meter	809
216570	3/3	Aero Sta	M.Is.	Aero Sta	Short range trans sets	916-8
216570	3/3	Aero Sta	Wash	Aero Sta	Fan drive generators	916-8
208795	3/3	MINNESOTA	Wash	MINNESOTA	Port field radio set.	290-6
206164	3/7	Chasn	Wash	Chasn	Short wave reveiver.	807
216414	3/7	Darien	Wash	Darien	Radio receiving set	851
216437	3/7	M.Is	Wash	M.Is.	Long & Short wave receivers and detector.	860
215618	3/7	Overhaul	OKLAHOMA	NY	Quenched gap.	522-6
216700	3/8	Disposition	Ports	Wash	Receiver and receiving set	832
208124	3/8	Great Lakes	Wash	Great Lakes	Short range receiving set	854
215380	3/7	Managua	Wash	Managua	Ultraudion detector	858
214372	3/8	Disposition	CHASN	M.Is.	Radio trans set	153-6
214886	3/9	Disposition	VESTAL	Wash	Receiving set	457-6
201842	3/9	Cancellation of shipt reqt 10/12				477-6
217404	3/10	BENHAM	Wash	BENHAM	Ultraudion detector	519-6
217399	3/10	WARRINGTON	NY	WARRINGTON	Ultraudion detector	473-6
217394	3/10	WALKE	Wash	WALKE	Ditto	471-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
217402	3/10	TRIPPE	Chasn	TRIPPE	ultraudion detector	448-6
217395	3/10	HENLEY	Wash	HENLEY	Ditto	442-6
217403	3/10	PAULDING	Wash	PAULDING	Audion detector	337-6
217396	3/10	PATTERSON	Wash	PATTERSON	Ultraudion detector	335-6
217403	3/10	JENKINS	Chasn	JENKINS	Ditto & amplifier	252-6
217401	3/10	JOUETT	Bost	JOUETT	Ultraudion detector	254-6
217400	3/10	BURROWS	Norf	BURROWS	Ditto	145-6
217410	3/13	O'BRIEN	Wash	O'BRIEN	Audion detector	539-6
217406	3/13	PARKER	Wash	PARKER	Ditto	518-6
217408	3/13	DUNCAN	Wash	DUNCAN	Ditto	516-6
217409	3/13	McCALL	Wash	Mc CALL	Ditto	269-6
217413	3/13	JARVIS	Wash	JARVIS	Ditto	250-6
217412	3/13	FANNING	Wash	FANNING	Ditto	203-6
215995	3/15	PISCATAQUA	Wash	Guam	Receiving set	352-6
215995	3/15	"	NY	Guam	Trans set	352-6
218048	3/15	CONSETELLATION	Newport	Wash	Receiving set	170-6
211423	3/16	Great Lakes	Bost	Great Lakes	Remote control switchboard	845
201225	3/17	Pac Supt	Wash	San Fran	Radio blank forms.	609
215971	3/17	M.Is.	Bost	M.Is.	Mica condensers	882-1
218510	3/19	Pearl Harbor	San Diego	Pearl Harbor	Insulators	852
199698	3/19	NY	M.Is.	NY	Motor gen. trans. etc.	876
218682	3/21	Laboratory	Wash	New Orl	Miscellaneous	875
218908	3/21	SEATTLE	Pensa	SEATTLE	Aero trans sets.	918
218729	3/21	PANTHER	Wash	PANTHER	Radio receiving set	332-6
206701	3/21	Disposition	So CARO	Wash	Receiving sets.	876

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
209683	2/7	Disposition	Darien	Ny	Locke Insulators	911
213431	2/7	Disposition	MINNESOTA	Norf	Generator and trans transformer	290-6
213431	2/7	MINNESOTA	Norf	Phila	Ditto	290-6
213688	2/7	ALLEN	Wash	ALLEN	Radio apparatus	570-6
212987	2/7	Chasn	Wash	Chasn	Wave changer	905
212987	2/7	Disposition	Chasn	Wash	Wave changer.	905
214050	2/8	Laboratory	Wash	Norf	Marconi radio wave meter	916-4
214127	2/9	Coast Guard Head	Wash	Coast Guard	Apparatus.	704
214127	2/9	ALGONQUIN	Bost	Coast Guard	Mica condensers and rack	704
214053	2/9	Disposition	NY	Wash	Wave meter oscilliometer	876
214147	2/9	M.Is.	Bost	M.Is.	Standard mica condensers.	149-6
212897	2/9	OHIO	Wash	Phila	Receiver switch panel	323-6
214157	2/10	LEBANON	Chasn	Norf	Wave changer with loading coils	432-6
214270	2/10	SAMPSON	Wash	SAMPSON	Marconi wave changer	567-6
214065	2/10	ALLEN	Wash	ALLEN	Oxide filament bulbs.	570-6
213985	2/12	Danish W.Indies	NY	D.W.I.	Radio trans set	899
213985	2/12	Ditto	Wash	Ditto	Port receiving set	899
213985	2/12	Ditto	Wash	Ditto	Various	899
210997	2/14	M.Is.	NY	M.Is	Insulators	545-6
201156	2/14	Aero Sta	Wash	Aero Sta	Radio sets.	918
213008	2/16	Disposition	SAN FRAN	NY	Two 5 K.W.Trans Transformers	904
213732	2/16	KEARSARGE	M.Is.	Phila	Transmitting set	257-6
214886	2/16	VESTAL	NY	VESTAL	Quenched spark gap	457-6
214886	2/16	VESTAL	Wash	VESTAL	Various	457-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
215076	2/17	New Orl	NY	New Orl	Operating key for 30 W.W. Set.	821
215064	2/19	Chasn	Wash	Chasn	Marconi wave meter	807
214902	2/19	WHEELING	Wash	New Orl	Quenched spark gap	478-6
214093	2-21	Arlington	Ports	Arlington	Generator	841
213732	2/21	KEARSAGE	M Is	Bost	2 kw radio transmitting set	257-6
215462	2/23	CALDWELL	Wash	M Is	receiving set	577-6
215463	2/23	CRAVEN	"	Norf	" "	578-6
215565	2/23	GWIN	"	Seattle	" "	579-6
215464	2/23	CONNOR	"	Cramps	" "	580-6
215465	2/23	STOCKTON	"	Cramps	" "	581-6
215466	2/23	MANLEY	"	Bath	" "	582-6
213465	2/24	Port Royal	NY	Marine Barracks	radio transmitting set	848
207780	2/26	CRAVEN	Wash	Norf	Cancellation of one short wave receiving set	578-6
207784	2/26	GWIN	"	Seattle	ditto	579-6
207778	2/26	CONNOR	"	Cramps	ditto	580-6
207779	2/26	STOCKTON	"	"	ditto	581-6
207781	2/26	MANLEY	"	Bath	ditto	582-6
207783	2-26	CALDWELL	Cancellation		Shortwave set	577-6
215974	2/26	Disposition	NY	Olongapo	4 Trans sets.	826
215973	2/26	Dispotion	Managua	M.Is.	Port radio set (field)	858
215977	2/27	Assembly	Phila	M.Is.	Rotary spark gaps	876
	3/1	Cavite	Wash	Cavite	Radio blank forms	609
216284	3/1	Balboa	NY	Darien	Quenched spark gap.	850

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RADIO SHIPMENT REQUESTS

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
207995	1/5	COLUMBIA	NY	COLUMBIA	Switches for radio	167-6
210676	1/6	Pt. Arguello	Wash	M.Is.	Arc radio sets	829
210553	1/8	Disposition	Darien	Wash	Receiver	808
210766	1/8	Disposition	NY	Wash	Amplifier	851
210329	1/8	TONOPAH	Norf	NY	Wave changer loading coil	438-6
210969	1/9	Alaskan Radio Expedition	Phila	M.Is.	Frequency meter	845
206701	1/10	Overhaul	Ports	Wash	Wave meter	876
209560	1/11	Disposition	WYOMING	Wash	Receiver	488-6
211301	1-12	BIRMINGHAM	Ports	NY	koster meter	138-6
211303	1/12	NEW Orl	Wash	New Orl	Audibility meter	821
211350	1/13	Pug Sd	M.Is.	Pug Sd	30 K.W.Arc radio set	833
211349	1/13	Pt Isabel	NY	Pt Isabel	30 K.W.Arc radio set	353
206701	1/15	Radio Sta	Wash	Ports	Wave meter	876
208963	1/15	UTAH	NEW JERSEY	UTAH	Portable set	313-6
208993	1/15	Disposition	OLYMPIA	Wash	Wave meter	431-6
209011	1/16	Disposition	ILLINOIS Rec'd from NEBR.	Wash	Marconi Receiver	238-6
208517	1/16	ARIZONA	KANSAS	ARIZONA	Field radio set	529-6
211036	1/17	Stock	Bost	NY	Locke Insulators	843
209244	1/18	4 stations	Wash	M.Is.	Receiving sets	845
211859	1/18	Dr. L.W.Austin	Wash	San Diego	3 cases of radio measurement apparatus.	830
207510	1/18	HANNIBAL	Wash	HANNIBAL	Marconi Receiver	225-6
209250	1/19	Disposition	MAIN	Wash	Telefunken wave meter	274-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
209530	1/19	Disposition	MISSOURI	Wash	2 wave meters.	292-6
212274	1/23	PENNA	NY	PENNA	4 Oscillion Bulbs	898
211822	1/23	CELTIC	Wash	CELTIC	Detector stand.	152-6
212273	1/23	WANDO	NY	Chasn	Radio trans set	584-6
200090	1/25	Ports Sta	Bost	Ports	Antenna Switch	832
209364	1/25	Disposition	Phila	Norf	Motor generators and trans.	169-6
212232	1/25	SALEM	Norf	Phila	Radio motor generator and transmitter transformer	384-6
196816	1/25	Disposition	Chasn	NY	Transmitting set	432-6
211453	1/25	TERRY	NY	Chasn	Transmitting set	432-6
211349	1/26	Pt Isabel	M.Is.	Pt Isabel	Arc radio set	853
212530	1/26	Stock	NY	M.Is.	Insulators	911
208564	1/26	REID	Bost	Chasn	Mica condensers	371-6
210669	1/27	QWIN	NY	Newport	TRansmitting sets.	223-6
212567	1/29	Radio, Va	Wash	NY	Porcelain insulators	841
212619	1/29	SEATTLE	Wash	SEATTLE	Ultraudion bulbs	474-6
212726	1/30	Repairs	Pensa	NY	Hot wire ammeter	827
212746	1/30	Repairs	Bost	Wash	Baldwin type tele head set	843
213120	2/1	Darien	M.Is.	Darien	Asbestos tube pieces	851
212151	2/1	Disposition	COLUMBIA	Wash	Radio apparatus.	167-6
212151	2/1	Disposition	COLUMBIA	NY	Lowenstein Quenched Gap	167-6
212642	2/1	WISCONSIN	Wash	Phila	Receiver switch panel	484-6
212906	2/3	Disposition	Pensa	NY	Apparatus	827
213201	2/3	JUPITER	Bost	JUPITER	Hand a d relay key	251-6
212178	2/6	Guantanamo	NY	Guantanamo	Cooling circulating set for arc set.	814

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RADIO SHIPMENT REQUESTS

Number.	Date.	FOR From or To—	FROM	TO	Subject.	
208966	12/21	L-9-10-11	Wash	Ships	Radio Apparatus.	528-6
208965	12/21	L-1 to L-4	Wash	Ships	Ditto	514-6
209018	12/22	Norf	Wash	Norf	Ultraudion	824
209017	12/22	Disposition	Wash	4 ships	3-stage audion amplifier	898
209545	12/26	Disposition	ILLINOIS	Wash	Marconi Receiving Set.	898
209011	12/26	Reqt shipt reqt 12/19 radio receiver from ILLINOIS to Wash be cancelled				238-6
209250	12/26	MAINE	Wash	MAINE	Ultraudion and wave meter	274-6
187656	12/26	NO CAROLINA		Ports	Arc radio set	156-6
209530	12/26	MISSOURI	Wash	MISSOURI	Portable wave meter	292-6
208969	12/26	M-1	Wash	Bost	Audion control box.	546-6
208971	12/26	N-4-7	Wash	NY	Audion control box.	587-6
208970	12/26	N-1-4	Wash	Pug Sd	Audion control box.	547-6
209531	12/26	WISCONSIN	Wash	WISCONSIN	Portable wave meter.	484-6
201845	12/26	CHESTER	NY	Bost	Arc radio set formerly reqted for MONTANA	299-6
208972	12/27	SCHLEY	NY	Bost	Radio transmitting set	586-6
208972	12/27	SCHLEY	Wash	Bost	Wave meter and audion control box	586-6
207164	12/27	Disposition	Ports	NY	Quenched spark gap	329-6
207164	12/27	Disposition	Ex HECTOR PADUCAH	Norf	Transformers	329-6
205640	12/27	NEVADA	NY	Norf	Transfer switch	133-6
209364	12/28	CONNAL	Norf	Phila	Motor generator and transmitter transformer	169-6
199063	12/28	SUPPLY	M.Is.	SUPPLY	Port radio wave motor	422-6
208973	12/29	O-11-12	Wash	NY	Port receiving sets and audion control boxes.	590-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR	From or To— FROM	TO	Subject.	
208979	12/29	O-2	Wash	Pug Sd	Receiving set;audion control box	589-6
208978	12/29	O-1	Wash	Ports	Port receiving set and audion control box	588-6
208976	12/29	O-5	Wash	Bost	Audion control box	574-6
208977	12/29	O-4	NY	Bost	Transmitting set	574-6
208977	12/29	Ditto for O-3				
208977	12/29	O-3-4	Wash	Bost	Port receiving set.	574-6
200089	12/29	ROWAN	NY	Bost	Transmitting set	568-6
208974	12/29	E-1	Wash	NY	Receiving set	401-6
209653	12/29	SATURN	Wash	SATURN	Receiving set.	391-6
210043	12/30	San Diego	Phila	M.Is.	Wave meter.	830
208978	12/30	O-1	NY	Ports	Transmitting Set	588-6
208977	12/30	O-Boats	NY	Bost	Transmitting sets	574-6
208977	12/30	O-Boats	Wash	O-Boats	Rec set and udion control boxes	574-6
209818	12/30	Disposition	PITTSBURGH	Wash	Receiving set.	342-6
208980	1/2	O-13	Wash	NY	Receiving set and audion control box	590-6
199401	1/2	Phila	Wash	Phila in lieu M.Is.	Wave meter	893-4
210061	1/3	OLYMPIA	Wash	OLYMPIA	Audion bulbs	324-6
210146	1/3	POTOMAC	NY	Guantanamo	Transmitting set	358-6
208981	1/3	OClass	Wash NY	M.Is. (6)	Radio apparatus.	591-6
210350	1/4	Darien	M.Is.	Darien	Asbestos tube pieces	851
210404	1/4	Aero Sta	Phila	Aero Sta	Kolster meter	919
210350	1/5	Darien	Wash	Darien	Ebony asbestos pushings	851

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RADIO SHIPMENT REQUESTS

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
208151	12/12	ROWAN	Wash	ROWAN	Ultraudion detector and amplifier	568-6
208157	12/12	DAVIS	Wash	DAVIS	" " " " "	569-6
208159	12/12	ALLEN	Wash	Bost	" " " "	570-6
208156	12/12	WILKES	Wash	Phila	" " " "	571-6
208158	12/12	SHAW	Wash	M.Is.	" " " "	572-6
208225	12/13	SHIPS	Wash	SHIPS	Radio receiver transfer pan.	898
208826	12/13	Wash	Fire Is	Wash	Audion amplifier	898
208194	12/13	New Orleans	Wash	New Orl	Portable radio receiver	918
207995	12/13	COLUMBIA	Wash	COLUMBIA	Kolster decremeter	167-6
207995	12/13	COLUMBIA	Phila	COLUMBIA	Radio receiving set.	167-6
208426	12/13	MAYRANT	NY	Phila	Waver changer	284-6
208424	12/13	WHEELING	Wash	WHEELING	Receiving set.	478-6
208425	12/13	MELVILLE	Wash	MELVILLE	Telefunken rec set	510-6
208422	12/13	MONTANA	NY	Ports	Marconi wave changer	299-6
208500	12/14	ARETHUSA	Wash	ARETHUSA	Ultraudion detector and amplifier	120-6
208503	12/14	JUPITER	Wash	JUPITER	Ditto	251-6
208501	12/14	ORION	Wash	ORION	Ditto	163-6
205807	12/14	M.Is.	CHEYENNE	M.Is.	Radio receiving set.	157-6
208502	12/14	CYCLOPS	Wash	CYCLOPS	Ultraudion detector and amplifier	176-6
208303	12/15	Bath I W	Bost	Bath	Radio trans set and rec set	570-2
206274	12/15	ERICSSON	Phila	NY	Antenna	544-6
208506	12/15	VIRGINIA	Wash	VIRGINIA	Pierce Wave meter.	465-6

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RADIO SHIPMENT REQUEST

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
208504	12/15	SOLACE	Wash	SOLACE	Ultraudion and amplifier	404-6
208505	12/15	NO DAKOTA	Wash	NO DAKOTA	" "	321-6
208742	12/15	COLUMBIA	Phila	COLUMBIA	Kolster meter	167-6
206352	12/15	SEATTLE	Wash	Ports	Arc radio sets.	918
201846	12/16	Reqt shipt order of 10/12 be cancelled, and arc radio set salvaged from MEMPHIS be ~~xhip~~ overhauled for installation on NO CAROLINA				320-6
207325	12/16	Repair	Phila	Wash	Radio apparatus	431-8
207325	12/16	Repair	Phila	Wash	Radio trans set Marconi	431-8
208964	12/18	Stock	Bost	Wash	1912 type radio receiver	156-6
208963	12/18	Disposition	Bost	Wash	Radio apparatus.	313-6
208913	12/19	Guantanamo	Wash	Guantanamo	Ultraudion	814
208167	12/19	Pearl Harbor	Bost	M.Is.	Radio apparatus	852
208167	12/19	Pearl Harbor	M.Is.	Pearl Harbor	5 K.W.Radio trans set.	852
209011	12/19	Wash	ILLINOIS	Wash	Radio receiver	238-6
209012	12/20	Colon	Wash	To Darien	ultraudion	808
209017	12/20	Disposition	4 Stations	Wash	3-stage audion amplifier.	898
209013	12/20	Remodel	WYOMING	Wash	Ditto	488-6
209015	12/20	Remodel	MINNESOTA	Wash	Ditto	290-6
209016	12/20	Remodel	SAN DIEGO	Wash	Ditto	147-6
209014	12/20	Remodel	NEW YORK	Wash	Ditto	131-6
209131	12/21	Disposition	New Orl	NY	Wave changer	821
209017	12/21	Remodel	3 Stations	Wash	3-stage audion amplifier	898
208613	12/21	SEATTLE	Phila	SEATTLE	Rotary spark gap	474-6
208967	12/21	L-8	Wash	Ports	Radio apparatus	585-6
208968	12/21	L-5-6-7	Wash	M.Is.	Ditto	545-6

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RADIO SHIPMENTS REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject. ARTICLE	
200665	11/21	Pug Sd	VICKSBURG	Pug Sd	Ultraudion	459-6
199053	11/22	LEBANON	Wash	LEBANON	Wave meter.	263-6
206105	11/22	MACDONOUGH	Wash	MACDONOUGH	Receiving set.	271-6
199401	11/24	Reqt shipt reqt of 9/16 be cancelled.				893-4
206375	11/24	OLYMPIA	Norf	OLYMPIA	Radio transformers	324-6
205215	11/25	Nav Acad	Wash	Nav Acad	1 KW Fessenden Radio set at Radio, Va.	707-1
206525	11/25	DELAWARE	Wash	DELAWARE	Receiving set.	182-6
206524	11/25	WANDO	Wash	Chasn	Port Rec Set.	584-6
206524	11/25	WANDO	NY	Chans	Transmitting set.	584-6
206152	11/28	Mayor	Wash	Charlotte	Portable radio set	772
205220	11/28	Portland	Wash	Portland	Receiving set.	803
206759	11/28	NEW HAMPSHIRE	Norf	Chasn	Port radio set	897--1
206851	12/1	Wash	E-1	Wash	Receiver	401-6
206885	12/4	PENNA	Wash	PENNA	Ultraudion detector	130-6
206868	12/5	Cordova	NY	M.Is.	Insulators	809
207199	12/5	Pug Sd	NY	Pug Sd	Insulators	833
207201	12/5	CASTINE	Wash	New Orleans	Telefunken Rec Set	150-6
194370	12/6	OLYMPIA	NY	Chasn	Transformer.	324-6
206577	12/7	DIXIE	Norf	Phila	Motor Generator	188-6
207782	12/9	Radio Sta	Great Lakes	Guantanamo	Loading coils.	814
207778	12/9	CONNER	NY	Cramps	5 K.W. Radio set	580-6
207779	12/9	STOCKTON	NY	Cramps	Trans set.	581-6
207781	12/9	MANLEY	NY	Bath	Trans set.	582-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	TO	Subject.	
208225	12/11	PENNA	Wash	PENNA	Receiver transfer panel.	898
"	"	CONN	"	CONN	" " "	"
"	"	MICHIGAN	"	MICHIGAN	" " "	"
"	"	SO CAROLINA	"	SO CAROLINA	" " "	"
208148	12/11	TEXAS	Wash	TEXAS	Radio receiving set	132-6
206934	12/11	NEPTUNE	Bost	NEPTUNE	Relay key	309-6
208149	12/11	SAN FRANCISCO	Wash	SAN FRANCISCO	Long range rec set	389-6
207783	12/11	CALDWELL	Wash	M.Is.	Various radio apparatus	577-6
207780	12/11	CRAVEN	NY	Norf	Radio trans set.	578-6
207780	12/11	CRAVEN	Wash	Norf	Various radio apparatus	578-6
207784	12/11	QWIN	Wash	Seattle	Various radio apparatus	579-6
207784	12/11	Gwin	M.Is.	Seattle	Radio trans set.	579-6
207778	12/11	CONNER	Wash	Cramps	Various radio apparatus.	580-6
207779	12/11	STOCKTON	Wash	Cramps	Various radio apparatus	581-6
207781	12/11	MANLEY	Wash	Bath	Various radio apparatus	582-6
208225	12/12	SHIPS	Wash	SHIPS	Rec transfer pannel.	898
208160	12/12	Disposition	BIRMINGHAM	Wash	Wave meter	138-6
208162	12/12	DIXIE	Wash	DIXIE	Wave meter	188-6
208163	12/12	MONTANA	Wash	MONTANA	Wave meter	299-6
208161	12/12	TERRY	Wash	TERRY	Tikker detector	432-6
208145	12/12	DOWNES	Wash	DOWNES	Ultraudion detector	445-6
208155	12/12	FULTON	Wash	FULTON	Ultraudion detector	498-6
208164	12/12	FULTON	Wash	FULTON	Pierce wave meter	498-6
208152	12/12	AYLWIN	Wash	AYWLIN	Ultraudion detedor	517-6
208150	12/12	SAMPSON	Wash	SAMPSON	Ultraudion Detector	567-6

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RADIO SHIPMENT REQUESTS.

Number.	Date.	FOR From or To—	FROM	TO	Subject. ARTICLE	
202775	10/30	TEXAS	Phila	TEXAS	Rotary gap	132-6
203691	10/30	SAN DIEGO	Wash	SAN DIEGO	Transmitting set.	147-6
203580	10/30	WASHINGTON	Phila	Ports	Detector protective relay for radio sets.	474-6
203580	10/30	WASHINGTON	NY	Ports	Various	474-6
203690	10/30	WYOMING	Wash	WYOMING	Transmitting set.	488-6
188046	10/30	CUSHING	Bost	Norf	12 Mica Condensers	496
188046	10/30	McCALL	Bost	Phila	6 Mica condensers	496
204548	11/9	Disposition	Ports	Wash	Wave meter.	832
204000	11/9	NEW YORK	Wash	NEW YORK	Short range receiver	131-6
204240	11/9	NEPTUNE	Wash	NEPTUNE	Ultraudion rec.	309-6
199586	11/9	Test Barge	NY	Bost	Panel radio trans set	501
199586	11/9	Test barge	Wash	Bost	Portable radio rec set	501
204921	11/9	MONOCACY	M.Is.	MONOCACY	Ultraudion detector.	523-6
204922	11/9	PAlos	M.Is.	PALOS	Ditto	526-6
199320	11/10	Radio Labora	Wash	Bost	Radio motor gen.	916-3
204947	11/10	TEXAS	Norf	TEXAS	Marconi trans.	132-6
205027	11/10	M.Is.	Wash	M.Is.	Audion Gener bulbs	898
205191	11/11	Pearl Harbor	Wash	Pearl Harbor	Radio apparatus	852
204953	11/11	DELAWARE	DELAWARE	Wash	Repair wave meter.	182-6
205271	11/11	SMITH	Wash	SMITH	Ultraudion detector.	402-6
205233	11/11	MCDOUGAL	Wash	MCDOUGAL	Receiving set.	542-6
205381	11/13	PORT. Me.	Wash	Port Me.	Ultraudion detector	803
205382	11/13	Farallon	M.Is.	Farralon	Ultraudion detector	811

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RADIO SHIPMENT REQUESTS.

Number.	Date.	From or To— FOR	FROM	Subject. TO	ARTICLE	
204419	11/13	Fire Is.	Wash	Fire Is.	Ultraudion Detector	812
205358	11/13	Disposition	Phila	Wash	Radio receivers.	898
205391	11/13	CONN	NY	CONN	Transmitting set.	918
203306	11/13	NERO	M.Is.	NERO	Receiving set.	310-6
205150	11/13	MAUMEE	Wash	MAUMEE	Rec transfer switch	556-6
205515	11/14	Portland Me	Phila	Portland	Kolster meter	803
205514	11/14	Pt Arguello	Phila	M.Is.	Kolster meter.	829
205398	11/14	Disposition	NY	Wash	Receivers	898
205397	11/14	Disposition	NY	Wash	Wavemeters.	905
205391	11/14	Various ships	NY	Various ships	Transmitting sets.	918
193559	11/14	Reqt shipt reqt 8/8 Phila to M.Is. Kolster meter be cancelled. Ditto shipt to Key West.				919
Bu 7	11/14	Holtzer Cabot	WYOMING	Holtzer Cabot	Switchboard signals	
205599	11/15	Tutuila	M.Is.	Tutuila	Shore station antenna	809
205596	11/15	Disposition	Norf	Wash	Radio apparatus	898
205574	11/16	Chelsea Sta.	NY	Bost	Mark V11 Wave changer	843
	11/17	Tuckerton	Wash	Tuckerton	Blank forms	609
205640	11/17	NEVADA	Wash	NY	Radio trans switch.	133-6
205718	11/17	WASHINGTON	Wash	WASHINGTON	Receiving set.	474-6
197585	11/18	New York	Chasn	New York	Hand and relay keys	807
205773	11/18	Wash	Bost	Wash	Audion Amplifier	843
205773	11/18	Bost	Wash	Bost	Ultraudion detector box	843
TACOMA 73	11/21	TACOMA	Phila	TACOMA	Rotary spark gap	
202581	11/21	NY	Phila	NY	15 K.W. Arc radio set salvaged from MEMPHIS	431-6

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RADIO SHIPMENT REQUEST.

Number.	Date.	FOR From or To—	FROM	TO	Subject. ARTICLE	
201009	10/4	Pearl Harbor	Wash	Pearl Harbor	Various radio Mat'l	852
200675	10/5	Pt.Arguello	Wash	M.Is.	Ultra detector.	829
200718	10/5	Phila	Wash	Phila	Wave meter.	893-4
201202	10/6	Radio Labor.	Wash	Boston	Marconi Wavemeter.	916-5
201203	10/6	Radio Labor.	Wash	Boston.	Radio trans set.	916-3
201190	10/6	Cavite	Wash.	Cavite.	Ultraudion bulbs.	898
201414	10/7	Wash	Phila	Wash	Ultraudion bulbs.	898
201422	10/9	Balboa	Wash	Balboa	Audion detector.	850
201673	10/10	SAN FRANCISCO	Wash	SAN FRANCISCO	Audibility meter.	893-5
201673	10/11	Pac & Asiatic Radio Sta.	Wash	Pac & Asiatic Radio Sta	Audibility meter.	893-5
201844	10/12	COLUMBIA	NY	Phila	Radio set.	167-6
201845	10/12	MONTANA	NY	Ports	Arc Radio set.	299-6
201846	10/12	NO CAROLINA	NY	Ports	Arc radio set.	320-6
201842	10/12	W. VIRGINIA	M.Is.	Pug.Sd.	Arc radio set.	477-6
202211	10/13	Key West	NY	Key West	5 KW Trans set.	898
201843	10/14	SARATOGA	M.Is.	Pug.Sd.	Arc radio set.	316-6
202485	10/16	M.Is.	CHARLESTON	M.Is.	Detector & amplifier.	153-6
202485	10/16	CHARLESTON	Wash	M.Is.	Pierce wave meter.	153-6
202253	10/16	Darien	Wash	Darien	Panel	851
202211	10/17	NY	Key West	NY	Radio trans set.	898
202587	10/17	Wash	Key West	Wash	Audion amplifier	898
202705	10/18	PENNA	Wash	PENNA	Rec. Set and detector	130-6
202536	10/18	Wash	Phila	Wash	Syntonizer, tone tester	312-6

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RADIO SHIPMENT REQUESTS

Number.	Date.	FOR (From or To—)	FROM	TO	ARTICLE (Subject.)	
202536	10/18	NY	Phila	NY	Spark gap	312-6
202395	10/18	NY	Ports	NY	Various radio appa.	832
202253	10/18	Darien	Wash	Darien	Storage batteries.	851
202730	10/18	M.Is.	Wash	M.Is.	Wave meter.	916-2
201201	10/6	NEW HAMPSHIRE	Wash	Phila	Receiving set	312-6
201549	10/9	WADSWORTH	NY	WADSWORTH	5 KW Radio spark gap	551-6
201351	10/9	MAUMEE	Wash	NY	Ultraudion detector	556-6
201674	10/10	Wash	MELVILLE	Wash	Radio apparatus.	510-6
201483	10/11	NY	FLORIDA	NY	Marconi quenched gap.	205-6
201483	10/11	FLORIDA	Phila	FLORIDA	5 KW Rot.Spark gap	205-6
202707	10/19	ALBANY	NY	Pug.Sd.	Transmitting set.	108-6
202709	10/19	CINCINNATI	NY	M.Is.	Transmitting set.	161-6
202710	10/19	GALVESTON	NY	Pug.Sd.	Transmitting set.	212-6
202708	10/19	NEW ORLEANS	NY	Pug. Sd.	Transmitting Set.	314-6
202711	10/19	Guam	M.Is.	Guam	Arc radio set.	813
202731	10/19	BIRMINGHAM	Phila	Bost	Kolster meter.	919
203056	10/21	SAN FRANCISCO	NY	Ports	Arc radio set.	389-6
203055	10/21	VESTAL	NY	Boston	Wave changer	457-6
201225	10/21	Distribution	Wash	Frisco	Blank forms	609
202670	10/21	M.Is.	NY	M.Is.	Reactances.	876
202708	10/25	NEW ORLEANS	NY	Olongapo	Transmitting set	314-6
202710	10/25	GALVESTON	NY (Cancelled)	Olongapo	Transmitting set.	212-6
202709	10/27	CINCINNATI	NY	Olongapo	Transmitting set.	161-6
203689	10/30	PENNA	Wash	To PENNA	Transmitting set.	130-6

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RADIO SHIPMENT REQUEST

Number.	Date.	FOR From or To—	FROM	TO	Subject. Article	
196775	8-19	ELCANO	Washn	Ship	Receiver	198-6
196143	8-21	NY	Norf	NY	R adio app	876
8-23						
194370	8-23	OLYMPIA	NY	Chasn	Radio app	324-6
195640	8-24	MINNEAPOLIS	NY	Phila	radio set	289-6
197540	8/26	To MINNEAPOLIS	Wash	Phila	receiving set	289-6
197541	8-30	POTOMAC.	Wash.	POTOMAC.	Receiver.	358-6
196812	8/31	TERRY	NY	Chasn	transmitting set	432-6
196816	8/31	TERRY	W ash	Chasn	receiving set	432-6
196816	8/31	TERRY	Chasn	NY	Marconi transmitting set	432-6
196816	8/31	TERRY	Chasn	Wash	receiving set	432-6
197542	8/31	WILMINGTON	NY	Olongapo	transmitting set	482-6
190875	8-31	San Diego.	Wash.	San Diego.	Transmitter.	835
198059	9-1	AMMEN.	Wash.	AMMEN.	Receiving set.	115-6
197585	9-1	Chas.	NY.	Chas.	Relay keys.	807
198226	9-2	Phila.	Wash.	Phila.	Condensers for use Koster meters.	919
192543	9-5	Pt.Isabel.	New Orl.	Pt.Isabel.	Union gas engine.	853
198229	9-7	New Orl.	NY.	New Orl.	Confidential locker.	821

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RADIO SHIPMENT REQUESTS:

Number.	Date.	FOR From or To—	FROM	TO	Subject. ARTICLE.	
198230	9-7	Pensacola.	NY.	Pensacola.	Confidential locker.	827
198955	9-12	DAVIS	NY.	Bost.	1/2 K.W. set.	569-6
198132	9-13	ARKANSAS.	Wash.	ARKANSAS/	Wave receiver.	121-6
198954	9-14	Yards.	Wash.	Yards.	Loading coils.	898
~~185753~~	~~9-15~~	~~To Yards Inops.~~				
199401	9-15 16	Yards.	Wash	Yards.	Wave meters.	893-4
199211	9-16	NY.	Bost.	NY.	Radio appratus for disposition.	843
199403	9-16	Bost.	Wash.	Chelsea.	Wave changer.	843
199354	9-16	Great Lks.	NY.	Great Lks.	Insulators & clamps.	854
199219	9-19	Wash.	Ports.	Wash.	Detector stands.	474-6
199219	9-20	WASHINGTON	Wash.	WASHINGTON.	Detector stands.	474-6
199426	9-20	ARIZONA.	Wash.	NY.	Switch panel.	529-6
198234	9-20	NY.	Wash.	NY.	Antenna switch.	900
199273	9-23	Wash.	Phila.	Wash.	Receiver.	828
200105	9-26	ILLINOIS.	Wash.	ILLINOIS.	Ultraduion receiver.	238-6
199806	9/27	MILWAUKEE	Wash.	MILWAUKEE	Rec. Set.	287-6
200532	9/30	PENNSYLVANIA	Phila.	PENNSYLVANIA	Kolster meter.	130-6
200529	9/30	Darien	Wash.	Darien	Audion Detec. Amplifier	851
200718	10/3	Wash.	Phila.	Wash.	Long range wavemeter	893-4

RADIO SHIPMENT REQUESTS: 1916

Number.	Date.	From or To— FOR	FROM	TO	Subject ARTICLE.	
195001	8-3	Nav Mil Ships.	Wash.	Nav Mil Ships.	Portable radio sets.	789
177359	8-4	Tutuila.	M.Is.	Tutuila.	Masts and material.	846
195337	8-4	N.CAROLINA.	NY.	M.CAROLINA.	Telephones for use in Kite balloon use.	736
195149	8-7	NY.	PADUCAH.	NY.	Turbo geneator	329-6
195300	8-9	Bost.	Wash.	Bost.	Arc relay key and coils.	843
194600	8-9	Tutuila.	MIIs.	Tutuila.	Transmitting set.	846
193853	8-9	Pug Sd.	Wash.	Pug Sd.	Generating set.	898
193853	8-9	Guantanamo.	Wash.	Guantanamo.	Anode holder.	898
195948	8-10	Radio Lab.	Wash.	Pensacola.	Radio material.	916-8
195949	8-10	" "	Phila.	"	Ammeter & voltmeter.	916-8
195950	8-10	" "	NY.	"	Bakelite-dieloectro.	916-8
196146	8-11	SOUTH DAKOTA	Wash.	SOUTH DAKOTA	Detector & bulbs.	408-6
195297	8-11	Cavite.	Wash.	Cavite.	Telephone outfit.	806
195299	8-11	San Diego.	Wash.	San Diego.	Telephone outfit.	830
196145	8-11	San Diego.	M.Is.	San Diego.	Antenna.	830
195298	8-11	Pearl Harbor.	Wash.	Pearl Harbor.	Telephone outfit.	852
196144	8-11	Great Lakes.	Wash.	Great Lakes.	Detecotor & bulbs.	854
196143	8-11	NY.	Bost-Phila	NY.	Radio trnasmitters.	876

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To— FOR	FROM	TO	Subject. ARTICLE.	
196138	8-11	Ships.	NY.	Yards.	Wave changers.	905
39						
40						
41						
42						
195058	8-12	Guantanamo.	Wash.	Guantanamo.	Anode holder.	8 14
196149	8-14	M.Is.	Pug Sd.	M.Is.	Radio material in connection with manuf of radio transmitter.	876
196221	8-14	Arlington.	NY.	Wash.	Wave changer.	841
196147	8-14	Peking.	NY	Peking.	Transmitting set.	857
196535	8-15	~~Wash~~.NY Lab.	Wash.	NY.	Condensers.	916-1
196540	8-15	M.Is. Lab.	"	M.Is.	"	916-2
196150	8-15	Bost Lab.	"	Bost.	"	916-3
196539	8-15	Norf Lab.	"	Norf.	"	916-4
196536	8-15	Phila Lab.	"	Phila.	"	916-5
196538	8-15	Pug Sd Lab.	"	Pug Sd.	"	916-6
196537	8-15	Chas Lab.	"	Chas.	"	916-7
195951	8-16	Pearl Harbor.	M.Is.	Pearl Harbor.	Conductor wire.	852
184163	8-17	NY.	Fire Is.	NY.	Radio material.	812
196774	**8/18**	**DALE**	**Wash**	**Vessel**	**Marconi receiving set**	**179-6**
196773	**8/18**	**DIXIE**	**W ash**	**Vessel**	**portable radio set**	**188-6**
197079	8-19	New Orleans	NO	NY	Radio app	821
197079	8-19	ditto	NY	New Orleans	transmitting set	821
196776	8-18	Narr Bay	Washn	NARR Bay	detector	822

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RADIO SHIPMENT REQUESTS: 1916

Number.	Date.	FOR From or To—	FROM	TO	Subj ARTICLE.	
193454	7-14	MACHIAS.	Wash.	MACHIAS.	Portable radio set.	272-6
193445	7-14	MARIETTA	Wash.	MARIETTA.	Portable radio set.	278-6
193457	7-14	SAN FRAN	Wash.	SAN FRAN	Portable radio set.	389-6
193458	7-14	S. DAKOTA.	Wash.	S.DAKOTA.	Portable radio set.	408-6
193528	7-14	TACOMA	Wash.	TACOMA	Portable radio set.	425-6
192596	7-14	VIRGINIA	Wash.	VIRGINIA.	Portable radio set.	465-6
193459	7-14	W.VIRGINIA.	Wahs/	W:VIRGINIA	Portable radio set.	477-6
193529	7-14	Honolulu.	Wash.	Honolulu.	Radio receiver.	830
193531	7-14	Aero Sta.	Wash.	Aero Sta.	Aero radio sets.	918
193530	7-14	Cavite.	Wash.	Cavite.	Receiving set.	806
193465	7-15	San Juan.	Wash.	San Juan.	Copper anodes.	835
194416	7-26	ISLA DE LUZON	NY	ISLA DE LUZON	Wavemeter.	248-6
194015	7-26	MILWAUKEE.	M.Is.	MILWAUKEE.	Radio set.	287-6
193560	7-26	MELVILLE.	Ship	Wash.	Parts portable for repair and return.	510-6
194418	7-26	NY Radio Lab.	Wash.	NY Radio Lab.	Condensers & inductances	916-1
193849	7-26	Bost " "	"	Bost " "	" " "	916-2
194417	7-26	" " "	"	" " "	" " "	916-3
194593	7-26	Norf " "	"	Norf " "	" " "	916-4
194419	7-26	Phila " "	"	Phila " "	" " "	916-5
194594	7-26	Chas " "	"	Chas " "	" " "	916-7

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RADIO SHIPMENT REQUESTS:

Number.	Date.	FOR From or To—	FROM	TO	ARTICLE. Subject	
193909	7-26	Phila.	Wash.	Phila.	Wavemeter for direction finder.	919
194249	7-27	OZARK.	TALLAHASSEE	OZARK.	Transmitter transformer.	328-6
194598	7-27	Great Lks.	Wash.	Great Lks.	Mimeograph.	854
194595	7-27	M.Is.	Wash.	M.Is.	Condensers & inductances	916-2
194596	7-27	Pug Sd.	Wash.	Pug Sd.	" " "	916-6
177359	7-28	Tutuila.	NY.	Tutuila.	Wire and insulators.	846
194373	7-28	6-class SUBS	NY.	Atl Flt.	Insulators.	322-6
191678	7-29	Chelsea.	Newport.	Bost.	Fessenden radio set.	843
194312	7-31	M.Is	Wash.	M.Is.	Bulbs batteries.	898
195115	7-31	Western Elec Co	FLORIDA	Western Elec Co	Telephone sets.	902
195115	8-1	"	ARKANSAS	" " "	" "	902
194601	8-2	NEW YORK	Wash.	NEW YORK	Portable radio set.	131-6
194008	8-2	KANSAS	Wash.	KANSAS	Radio material	255-6
194008	8-2	KANSAS	NY	KANSAS	Spark gap	255-6
194008	8-2	Wash	KANSAS	Wash.	Rec set	255-6
194008	8-2	Wash	KANSAS	Wash.	Marconi rec set.	255-6
195295	8-2	Pensacola.	Wash.	Pensacola.	Radio material.	916-8
193559	8-2	WYOMING-NY.	Phila.	NY.	Kolster meters.	919
193559	8-2	UTAH FLORIDA	Phila.	Norf.	" "	919
193559	8-3	(4) Ships.	Phila.	Yards.	" "	919

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RADIO SHIPMENT REQUESTS: 1916

Number.	Date.	FOR From or To—	FROM	TO	ARTICLE. Subject	
180333	6-12	NY-Wash.	Ports	Ny-Wash.	Radio material.	185-6
190267	6-17	POCAHANTAS	NY-Wash	Norf.	Trans set -- rec set.	583-6
191064	6-17	Aero Sta.	Wash.	Aero Sta.	Radio receiging set.	918
191119	6-20	Phila-NY	Cape Cod.	NY-Phila.	Radio material.	802
187912	6-20	NY.	Wash.	NY.	Receiving set.	908
180980	6-20	~~Pittsburgh~~ Pug Sd.	M.Is.	Pug Sd.	20 K.W. arc radio set.	342-6
190798	6-20	VERMONT	Wash.	VERMONT	Portable radio set.	456-6
191477	6-22	Point Isabel	Wash.	Point Isabel.	Ultraudion bulbs.	853
191476	6-22	M.Is.	Wash.	MIIs.	Detectors & bulbs.	898
191582	6-23	Wash.	FLORIDA	Wash.	Kolster meter apparatus	919
190268	6-23	MINNESOTA	NY.	MINNESTOA	Antenna switch.	290-6
190169	6-23	SOUTH CAROLINA	NY	S.CAROLINA.	Amtenna switch.	407-6
191075	6-24	L-11	NY-Wash.	Bost.	Rec and trans set.	528-6
191804	6-29	PENN	Wash.	Norf.	Aud detector & amplifier	130-6
192042	6-29	NEBRASKA	NY-Wash.	NEBRASKA.	Bulbs and spark gap.	308-6
191805	6-30	Tutuila	Wash.	Tutuila.	Portable radio set.	846
191910	6-30	Mar Corps.	Wash.	Marine Corps.	Portable radio sets.	897

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RADIO SHIPMENT REQUESTS:

Number.	Date.	FOR (From or To—)	FROM	TO	ARTICLE. (Subject)	
191806	6-30	PENNA	NY.	Norf.	Operating key.	130-6
192221	7-1	Cavite.	M.Is.	Cavite.	Antenna.	806
192220	7-1	Pearl Harbor.	M. IS.	Pearl Harbor.	Antenna.	852
191214	7-3	Wash.	KENTUCKY	Wash.	Receiving set.	258-6
188283	7-5	Wash.	Phila.	Wash.	Telautograph.	909
192327	7-5	COLORADO	M.Is.	COLORADO.	Motor generator set.	166-6
191843	7-6	PANTHER.	NY.	Chas.	Wave changer.	332-8
192543	7-7	Pt.Isabel.	M.Is.	New Orl.	Gas engine.	853
192738	7-10	MEMPHIS	Wash.	MEMPHIS.	Ultraudion apparauts/	431-6
192595	7-11	SUPPLY.	M.Is.	SUPPLY	Ultraudion detector.	422-6
192223	7-12	SOUTH DAKOTA	M.Is.	Pug Sd.	Arc radio set.	408- 6
192222	7-12	PENNA	NY.	Norf.	Operating key.	130-6
193326	7-14	PENNA	Wash.	PENNA	Cyrstal detector.	130-6
193456	7-14	PENNA.	Wash.	PENNA	Portable radio set.	130-6
192597	7-14	COLORADO	Wash.	COLORADO	Portable radio set.	166-6
192206	7-14	HECTOR.	NY	Norf.	Generqting set.	228-6

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RADIO SHIPMENT REQUESTS: 1916

Number.	Date.	FOR From or To—	FROM	TO	ARTICLE.	
188563	5-24	Key West.	Wash.	Key Wwes	Untraudion.	817
188711	5-24	Key West.	Wash.	Key West.	Ultraudion bulbs.	817
182911	5-24	Yards.	Phila.	Yards.	Meters, etc.	916
186946	5-25	Fire Island.	Wash.	NY.	Masts.	812
189032	5-25	Wash.	Norf.	Wash.	Portable field set.	897-1
189136	5-26	Wash.	ARKANSAS	Wash.	Kolster decremeter.	121-6
189017	5-26	Jupiter.	NY	JUPITER.	Radio motor-generator	251-6
189134	5-26	Wash.	MISSOURI	Wash.	Audion amplifier.	292-6
189139	5-26	MISSOURI.	Wash.	MISSOURI.	Ultrandion detector.	292-6
189135	5-26	Wash.	NEW JERSEY	Wash.	Kolster decfemeter.	313-6
189138	5-26	OHIO	Wash.	OHIO.	Ultraudion detector.	323-6
189070	5-26	WHEELING.	Norf.	WHEELING.	Crank shaft for dory.	478-21
189137	5-26	WISCONSIN	Wash.	WISCONSIN	Ultraudion detector/	484-6
189224	5/27	ex- VESTAL	Bost	NY	Marconi wave changer	457-6
189225	5/27	To WYOMING	Wash	Vessel	Receiving set	488-6
189355	5-29	VESTAL	N.Y.	VESTAL	Wave changer	457-6
169324	5/27	Laboratory	W ash	NY	portable precision capacity meter	893

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SHIPMENT REQUESTS: RADIO.

Number.	Date.	From or To—		Subject.		
187337	5/29	Radio Laboratory	NY	Bost	compressed air condenser and motor driven air compressor	916-3
176801	5/31		Phila	San Juan	audion detector and amplifier, etc	835
176801	5/31		San Juan	Wash	ultraudion detector box	835
189270	6/1	Ports	Wash	Ports	radio receiving set I-P-76 #177	832
188404	6-3	PRESTON	Bost	Chas	Radio apparatus.	362-6
189273	6-6	L-8	NY Wash.	Ports Ports	Transmitting set Receiving set.	585-6
189801	6-7	COLUMBIA.	Wash.	COLUMBIA.	Audibility meter.	167-6
189272	6-7	L-5-6-7	Wash-NY.	M.Is-NY.	Portable radio rec sets.	545-6
184855	6-7	Pensacola.	NY.	Pensacola.	Hand operated antenna switch	827
189869	6-8	Fire Island.	Wash.	NY.	Radio receiving set.	812
190379	6-9	NY Elec School	Wash.	NY	1/4 K.W. portable radio set	707-3
190158	6-9	N-1-2-3	NY-Wash.	Pug Sd.	Radio rec sets. Transmitting sets.	547-6
190157	6-9	N-4-5-6-7	Wash.	NY.	1/2 K.W. transmitting sets.	587-6
178955	6-10	Norf Tran Sta	Wash	Norf Tran Sta	Radio rec set 229.	876

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RADIO SHIPMENT REQUESTS: 1916

Number.	Date.	FOR From or To—	FROM	TO	ARTICLE.	
185382	4-22	SAN FRANCISCO	Wash.	Ports.	Receiving sets.	389-6
185382	4-222	Wash.	Ports.	Wash.	Sets ex SAN FRANCISCO.	389-6
178193	4-22	WYOMING/	Wash.	NY.	Kolster meter.	898
184167	4-25	Naval Service School	NY.	Wash.	1/4 K.W. radio set.	897
185000	4-27	Cavite.	NY.	Cavite.	Wave changer.	806
185516	4-27	Wash.	San Juan.	Wash.	Tikker detector.	835
183463	5-3	DE AUSTRIA	NY	DE AUSTRIA	Appratus.	190-6
185604	5-3	Aero 82-A	Pensa	Wash.	Radio transmitting set.	876
181916	5-4	PHILA.	Wash.	Phila.	Storage battery.	828
186752	5-6	Darien	Wash.	Darien.	Ultraudion bulbs.	851
186686	5-6	Phila.	Phila. NX.	NY	Wave changer.	431-6
186361	5-8	DUBUQUE	WASH	Ports.	Radio rec set.	193-6
186395	5-9	WYOMING.	Wash.	WYOMING.	Audion bulbs for test.	876
186765	5-11	Wash	Darien	Wash.	Motor cycle.	808
185316	5-11	Chelsea.	NY	Bost.	Radio key.	843
187656	5-12	CHESTER-SALEM VESTAL.	NY	Bost.	20 K.W. arc radio sets.	156-6

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RADIO SHIPMENT REQUESTS:

Number.	Date.	FOR (From or To—)	FROM	TO	ARTICLE. (Subject)	
187654	5-12	FLORIDA.	Wash.	FLORIDA.	Receiving set.	205-6
187655	5-12	PITTS-MD.	M.Is.	Pug Sd.	20 K.W. radio sets.	280-6
187653	5-12	Western Elec Co	Wash	Western Elec Co	Receiving set.	898
177047	5-12	Tutuila.	Wash.	Tutuila.	Receiving sets.	846
178193	5-16	FLORIDA.	Wash.	FLORIDA.	Kolster meter.	898
187667	5-16	GE CO.	WYOMING VIRGINIA	GE Co.	Radio telephone.	902
187816	5-17	SALEM	Wash	SALEM	Receiving set.	38[illegible]-6
188123	5-18	NEVADA.	Wash.	NEVADA.	Portable radio set.	133-6
187484	5-18	~~New Orl~~ Norf.	New Orl	Norf.	Radio motor generator.	821
188248	5-19	NY.	Wash.	NY.	Portable radio rec set.	772
177042	5-19	Cavite.	Wash.	Cavite.	Radio rec set.	806
187490	5-19	Peking.	Phila M.Is	Peking.	Meter---portable wave meter.	857
188405	5-19	M.Is.	Pug Sd.	M.Is.	Generator.	882-3
188645	5-22	OKLAHOMA	Wash.	OKLAHOMA	1/2 K.W. portable set.	522-6
185905	5-23	Atl Tor Flo	Wash.	Bost.	Audion for use on tests radio direction finder.	898

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RADIO SHIPMENT REQUESTS: 1916

Number.	Date.	FOR (From or To—)	FROM	TO	ARTICLE (Subject)	
183897	4-7	Safety Train	NY.	Wash.	Panel radio set.	772
184131	4-11	ALABAMA	NY.	Phila.	Transmitting set.	107-6
184131	4-12	NY.	Phila.	NY.	Set ex ALABAMA.	107-6
184364	4-12	DRAYTON	NY.	Phila.	Radio transmitting set.	192-6
184364	4-12	NY	Phila.	NY.	Set ex DYARTON.	193-6
184363	4-12	MACHIAS.	NY.	New Orelans.	Radio transmitting set.	272-6
184363	4-12	NY.	MACHIAS	NY.	Set ex MACHAIS.	272-6
184363	4-12	MACHIAIS	Wash.	New Orelans.	Rad rec set.	272-6
184365	4-12	SARATOGA.	NY.	Pug Sd.	Navy type radio set.	316-6
184365	4-12	M.Is.	Pug Sd.	M.Is.	Set ex SARATOGA.	316-6
184489	4-14	M.Is.	Pug Sd.	M.Is.	Trans and rec sets.	469-6
184852	4-17	ARETHUSA.	NY:	Norf.	Radio motor generator.	120-6
184852	4-18	NY.	Norf.	NY.	Generator ex ARETHUSA.	
181154	4-17	Nicaragua.	M.Is.	Nicaragua.	Transmitting set, etc.	899
183683	4-18	PENNA.	Bos.	NN	Water-tight tele jacks.	130-4
184854	4-18	Portland.	NY.	Ports.	Wave changer.	803
184610	4-18	Guantanamo.	Phila.	Guantanamo.	Hot wire ammeter.	814
184854	4-18	Ports.	NY.	Ports.	Wave changer.	832
174957	4-18	Great Lks.	NY	Great Lks.	Motor generator set.	604
176804	4-19	Chas.	Wash.	Chas.	Receiving set.	807

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RADIO SHIPMENT REQUESTS:

Number.	Date.	FOR From or To—	FROM	TO	ARTICLE. Subject.	
184506	4-19	Guam	M.Is.	Guam.	Various appratus.	813
185001	4-19	New Orlenas.	Wash.	New Orlenas.	Transmitting key.	821
177044 177044	4-19 4-19	Yerba Buena " "	NY. Wash.	M.Is. M.Is.	Radio receiver. Receiving set.	842
184948	4-20	UTAH	NY	Norf.	Wave changer.	455-6
174957	4-20	Great Lks.	Bost.	Great Lks.	Antenna wire.	604
184885	4-20	Beaufort.	NY	Chas.	Wave changer.	800
184856	4-20	Pug Sd.	NY	Pug Sd.	Wave changer.	833
184856	4-20	San Juan.	NY.	San Juan.	Wave changer.	835
185101	4-21	Torallon Is.	NY.	M.Is.	Wave changer.	811
184255	4-21	Pensacola.	NY.	Pensacola.	Wave changer.	827
184999	4-21	Point Arguello	NY	M.Is.	Wave changer.	829
184998	4-21	Cape Blanco.	NY	M.Is.	Wave changer.	801
176801 176801	4-21 4-21	Wash. " "	San Juan. " "	Wash. " "	Receiving sets. Audion amplifier.	835 835
184997	4-21	Tatoosh	NY	Pug Sd.	Wave changer.	838
182608	4-22	MICHIGAN.	NY.	Phila.	Wave changer.	286-6
185218	4-22	NY.	Phila.	NY.	Wave changer ex MICHIGAN	286-6

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RADIO SHIPMENT REQUESTS: 1916

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Number.	Date.	TO	From or To— FOR	FROM	TO	Subject. ARTICLE	
181587	3-18	S&A.	Dutch Harbor	NY	M.Is.	Wave changers.	845
181530	3-18	do	PETREL	Ports.	Guatanamo	Con tubes.	348-12
178815	3-18	do	Wash.	Darien.	Wash.	Rec set.	808
181890	3-18	do	Bost.	Wahs	Bost.	Batteries.	843
181889	3-18	do	NY. NY.	M.Is. Norf.	NY. NY.	Spark gap " "	898 898
7398177398	3-20	do.	Stock	NO. CAR.	Washn.	Rec. appar.	320-6
176887	3/20	do	DARIEN	Wash	Darien	receiving sets	851
176887	3/20	do	further assignment	Darien	Wash	ditto	851
182105	3/2 0	do	stock	Wash	Cavite	Hudson filament bulbs	876
176802	3-23	do	Key West.	Wash.	Key West.	Receiver.	817
182179	3-23	do	Pensacola.	Wash.	Pensacola.	Detector-amplier	827
181042	3-23	do	Darien	Wash.	Darien.	Trams key.	851
182515	3-24	do	O'BRIEN	Phila.	Ship	Antenna.	539-6
181275	3-24	do	NICHOLSON	Phila.	NICHOLSON/	Antenna.	540-6
173029	3-25	do	MAYRANT.	Wash.	Phila	Rec set	284-6
182702	3-25	do	San Juan	NY.	San Juan.	Transformer.	835
181587	3-25	do	Dutch Harbor	Wash.	Dutch Harbor	Meters.	845

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RADIO SHIPMENT REQUESTS:

Number.	Date.	TO	From or To— FOR	FROM	TO	Subject. ARTICLE.	
182637	3-27	S&A.	Norf.	Port Royal	Norf.	Oil engine.	848
182520	3-27	do	Brownsville	Wash.	Brownsville.	Bulbs.	853
182780	3-29	do	Cordova	Wash.	M.Is.	Rec set.	809
183119	3-31	do	Elec class.	Wash.	NY.	Detecot-bulbs.	823
183199	3-31	do	Darien.	Wash.	Darien.	Audion battery	851
182033	3-31	do	NEBRASKA	NY Bost.	Bost. NY	Wave changer. " "	308-6 308-6
174757	3-31	do	TBDS	NY.	M.Is.	Trans sets.	496
183026	4-1	do	NY.	Newport.	NY.	Trans set.	170-6
183924	4-1	do	Great Lks.	NY.	Great Lks.	Antenna Wire	854
169324	4-1	do	Bu Standards	NY.	Bu Standards.	Meter.	893
182702	4-1	do	San Juan	NY.	San Juan.	Transformer.	835
183340	4-4	do	NORTH DAKOTA	Wash.	Phila.	Rec set.	321-6
183516	4-4	do	NY.	Guantanamo	NY.	Motor gen set	814
183580	4-5	do	CONNECTICUT	Wash.	CONN.	Wavemeter.	169-6
183705	4-6	do	CHYENNE.	M.Is.	Pug Sd.	Trans set.	157-6
183897	4-6	do	CULGOA	Wash.	CULGOA.	Receiver.	173-6
183894	4-6	do	Wash.	Norf.	Wash.	Portable set & pack.	268-6

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RADIO SHIPMENT REQUESTS:

Number.	Date.	TO	From or To— FOR	FROM	TO	Subject. ARTICLE	
179970	2-29	S&A.	WILKES TRANSPORT	NY.	Phila.	Radio sets.	876
"		do	TBDS	NY.	Bost.	" "	"
180333	3-1	do	DES MOINES	NY.	Ports.	Radio set	185-6
180365	3-1	do	KANSAS	Phila.	KANSAS.	Radio set.	255-6
174957	3-1	do	Elec School NY.	Wash.	NY.	Receivers.	604
180036	3-1	do	San Diego	M.Is.	San Diego.	Srap copper.	830
174419	3-1	do	Wash.	Phila.	Wash.	Detector.	898
176541	3-2	do	Guam.	M.Is.	Guam.	Apparatus.	813
180611	3-3	do	ALABAMA	Wash.	Phila.	Rec set.	107-6
180321	3-3	do	Ill Nav Mil Bost Nav Mil	Wash. "	Ill Nav Mil Bost Nav Mil	Apparatus. "	789 789
180365	3-3	do	Cap Cod	Wash.	Cape Cod.	Rec set.	802
180610	3-3	do	Nav Acad.	Wash.	Nav Acad.	Detectors.	820
187045	3-3	do	San Diego.	Wash.	M.Is.	Rec set.	830
176535	3-3	do	Bost.	Bost.	Wash.	Receivers.	843
180799	3-6	do	Point Isabel " "	NY. Wash.	Pt.Isabel " "	Wire & insulators Receivers.	853 853
179915	3-7	do	Wash.	LAMSON	Wash.	Rec set.	260-6

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RADIO SHIPMENT REQUESTS:

Number.	Date.	From or To— TO	FOR	FROM	TO	Subject. ARTICLE	
176804	3-9	S&A.	Wash. Chas.	Chas. Wash.	Wash. Chas.	Receivers "	807
176803	3-9	do	Guantanamo Wash.	Wash. Guanta	Guantamao Wash.	Receiver "	814
176890	3-9	do	New Orl	Wash.	New Orelans.	Recviers.	821
176801	3-9	do	San Juan Wash.	Wash. San Juan	San Juan. Wash.	Receiver "	835 "
181233	3-10	do	Pt.Isabel	NY.	Pt.Isabel	Appratus.	853
181234	3-10	do	" "	Brownsville	" "	"	853
156929	3-13	do	NY.	Cape Cod.	NY.	Portable set.	897-1
179227	3-13	do	Cavite.	Wash.	Cavite.	Receivers.	898
181452	3-13	do	Tatoosh	Pug Sd.	Tatoosh	Detector/	898
181452	3-13	do	Cape Blanco	M.Is.	Cape Blanco	Detector.	898
180328	3-14	do	TENNESSEE	Wash.	TENNESSEE	Rec set.	431-6
181423	3-14	do	OKLAHOMA	NY.	Phila.	Radio set.	522-6
176888	3-14	do do	Wash. Great Lks.	Great Lks. Wash.	Wash. Great Lks.	Rec set. " "	854 854
181575	3-14	do	Ships.	M.Is.	Pug Sd.	Radio sets/	876
181794	3-17	do	Key West	Wash.	Key West.	Audion bulbs	817
177446	3-18	do	C-1	Chas.	C-1	Mechanical revolution counter.	322-4

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RADIO SHIPMENT REQUESTS: 1916

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Number.	Date.	TO	From or To— FOR	FROM	TO Subject.	ARTICLE	
176812	1-28	S&A.	WYOMING	Wash.	WYOMING	Insulators.	488-6
177327	1-28	do	New Orelans	Wash.	New Orl	Filament bulbs	821
177542	1-29	do	Wash.	New Orl	Wash.	Bulbs.	821
176538	1-31	do	S.CAROLINA	Wash.	S.CAROLINA.	Mast.	407-6
	1-31	do	Wash.	Bost.	Wash.	Receiving set.	Bost Sur 652-M
177642	2-1	do	Darien	Wash.	Darien.	Audion bulbs	898
173165	2-1	do	NY.	Newport.	NY.	Wave changer.	905
176535	2-3	do	Bost.	Wash.	Bost.	Receivers, bulbs.	843
178184	2-4	do	Wash.	Norf.	Wash.	Automatic trans apparatus.	898
173593	2-8	do	M.Is.	NY.	M.Is.	Insulators.	911
178476	2-8	do	CHESTER	Wash.	Ship	Rec set.	156-6
171875	2-9	do	UNCAS.	Chas. NY.	Wash. Chas.	Radio set. Trans set.	454-6
178635	2-9	do	New Orl	NY.	New Orl	Copper wire	821
178785	2-11	do	New Orl	Wash.	New Orl.	Audion bulbs	821
178894	2-12	do	COLUMBIA.	NY.	COLUMBIA.	Wavemeter.	167-6
176805	2-12	do	O'BRIEN.	NY.	O'BRIEN	Spark gap.	539-6
176889	2-12	do	Pug Sd.	Wash.	Pug Sd.	Rec set.	833
172663	2-16	do	Wash.	NY.	Wash.	Telefunken rec	876

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RADIO SHIPMENT REQUESTS:

Number.	Date.	TO From or To—	FOR	FROM	TO Subject.	ARTICLE.	
179222	2-16	S&A. ~~WASHINGTON~~	WASHINGTON Wash	NY. WASHINGTON	WASHINGTON Wash.	Wavemeter Wavemeter.	474-6 474-6
179240	2-16	S&A.	SUBS.	Wash.	SUBS.	Audion apparatus	898
179239	2-16	do	BALBOA	NY.	DARIEN.	Spark gap	850
179149	2-16	do	Great Lakes	Wash.	Great Lks.	Inductance coils	854
176927	2-16	do	WALKE	Wash.	Chas.	Radio set	471-6
179350	2-17	do	Wash.	PETREL	Wash.	Detector.	348-6
179351	2-17	do	Federal T Co	Darien.	Federal Co.	Oil engine	851
175718	2-21	do	Wash.	DELAWARE	Wash.	Receiver.	182-6
177664	2-21	do	Wash	Darien.	Wash.	Receiver	850
179176	2-21	do	Great Lks.	NY	Great Lks.	Loading coils.	854
179210	2-21	do	NJ Nav Mil	Wash.	NJ Nav Mil	Keys & buzzers	789
179750	2-25	do	PENNA	NY.	Norf.	Apparatus.	130-6
179755	2-25	do	CHESTER.	NY.	CHESTER.	Gaskets.	156-6
179914	2-25	do	ARIZONA.	Wash.	NY.	Appratus.	529-6
167433	2-25	do	Wash.	NY.	Wash.	Rec set.	876
179909	2-25	do	Radio	NY.	Wash.	Apparatus.	841
179847	2-26	do	ORION	Ship	Phila	Resistance boxes	163-6
179743	2-26	do	Wash.	Ports.	Wash.	Receiver.	898

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[OVER.]

Number.	Date.	From or To—	Subject.
651773	11/24	Subm Div. 9	Copy of letter to Mare Isl. submitting data on new type submarine coil antenna installed on R1 - 2. W.
652307	12/4	C&R	Copy of letter to M.I. fwding design of hull fittings for receiver leads of sub. coil antenna developed by Ports. Will be used as a type plan for future installation W
653266	12/6	M.I.	Fwds instruction books for submarine coil antenna type SE 1555 W

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Number.	Date.	From or To—	Subject.	
621396	from card 28		To MI - coil antennas- manufacture of- reqsts inform rel completion of W 12/30	

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[OVER.]

Number.	Date.	From or To—	Subject.	
640141	9/1	Washington	Model TE transmitter on board IS-50 -report on test. W.	
640126	8/31	Ports	Request vandyke showing insulator fitting for submarines, be furbished. W. To Comdt Ports- Fwds vandyke 9/6 W.	
611004	9/20	Subm Div. Zero.	Submarine radio experiments not satisfactory due to personnel performing same not being competent - request expert radio officer be ordered to duty in conn with. W.	497
642395	9/23	To Div Zero	Submarine Radio Experiments- gives suggestion W	

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SUBMARINES 1922

Number.	Date.	From or To—	Subject.	
645053	10/11	To Comdt Div 0 Newport	T Rqst telegraph approximate potential induced Bridge radio coils on R 22 when transmitting on loop or antenna. Is grounding of these terminals necy. Is potential sufficient to cause spark when terminals nearly in contact. W	
645062	10/14	To Comdt 14th Nav. Dist	Instln of multi-coil antennas on Sub. K-11 to K-20 W cc R.H.	88-0-6
649823	11/7	Cavite T	Vacuum tubes and receiving equipment still lacking in radio installation equipment. Asks whereabouts W Fwds S&A cc Cavite 11/18	
650423	11/15	M.I.	Rqsts instructions and plans for installation of type SE 1355 antenna coils W	

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Number.	Date.	From or To—	Subject.
616804	3/27 4/3	MI Dept	R.J. Robinson Checker Draftsman,-improvements in submarine coil antenna- fwds description - request money award. W. To MI-- Gives Action taken cc Dept 4/13 Fwds Dept 9/30 RB 10/5/22.W
620495	4/20	Pacf Subm Marine Flotilla.	Request auth to turn in spare armature coil antenna. W. To Pac Fleet-New type coils to be given test 5/3 W
9 621376	4/24	Mare Isl.	Design Problem 171 -A cov improvement of Submarines coil antenna - suggestions cov.W.. To MI (T) Gives instrns 5/4 To MI- Gives Action taken 5/5 MI- (T)Preiminary plans mailed 4/19. 5/9 W. To MI (T) plans photos missing 5/11 MI- (T) Report on test of coil. 5/16 W To MI (T) Reqst Inform 5/19 MI) (T) Gives currents. 5/26 W To MI-- plans requested 5/29 To MI (T) manufacture authd 5/29 M.I.6/6 Improvements to submarine antenna bridge coils fwds prints W To MI- Reqsts cost of Mfg of coils 6/21 Mare Isl- Improvements in submarine antenna coils- fwds prints. 7/10 W To MI via C&R- arrangement appvd with comments 8/25 C&R Copy action to Mare Isl. 9/2 W Mare Isl- 10/12- (T)- Ask if Yard should manufg shell fittings to be shipped with coils. W. To M I (T) no Bucon authd manufacture authd 10/13 Mare Isl- Copy of letter to C&R regarding improvement of Submarine coil antenna. 10/20 W M.I. 12/2 W
	card 30		

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SUBMARINES 1922

Number.	Date.	From or To—	Subject.	
626274	6/1	Mare Island (T)	Request authority to manufg shell fittings for electrical coils for submaine coil antennas. W. To MI (T) unsatisfactory 6/3 MI- Fwds sketch of proposed water tight fitting. 6/20 W.	
626666	6/5	To MI (T)	Ask if antenna coils on hand for S Three W To P H (T) Ask disposition made of antenna coils 6/5 M.I. 6/8 T.None on hand W To P H (T) reply requested 6/19 Pearl Harbor- (T) Shipt being traced. 6/25 W. Pearl Harbor- T Shipt made 11/30. 6/30 W.	
47403	6/17	To Inspr mat GE	Change over equipment from Model "TD" sets confirms GE understanding of conference cc S&A WS	629
632597	7/12	MI (T)	Request auth to continue manufg of submarine antenna coil- subm estimates. W To Comdt M.I. T Auth continue manfg submarine antenna coils at cost $1000 to complete chargeable reg monthly allotmts. 7/17 W	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
602820	FROM CARD 26		C&R- Request action. W. 3/17 C&R Request action. 5/17 W Dept- Atl.Sub Asks status of 100 WAtt AC tube sets. 6/5 W To Comdr Atl Flotillas via Operns Gives inform rel instln of transmitter cc Pac Fleet 6/8 C&R 6/14 Request action W Subm Div . 10- Request radio transmitters model T-MB be installed. 6/26 W CO 0-12- 6/29 W. To CO-- rel delivery of transmitters cc Coco Solo- 7/17 To Div 10- rel delivery of trans cc Phila 7/17 C&R- Request action. 7/28 W To C&R- radio instln on subs 8/21	
463145	fwded from card 22		To Phila- Special Loop Antenna Wire- Shipment of W 3/28 W Phila- 4/6 W. To Phila Reqst Inform 4/7 Phila 4/10 W. To S&A Reqst shipment of Wire from Phila to SO Boston 24 4/10 RB 4/29 W. To S&A Reqst shipment of Wire from Phila to SO Ports 25 4/10 RB 5/1/22.- W. To Phila assignment of loop antena wire to Sub R-24 and R-26 cc CO's- R-24-26 4/12	

4—3381

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N. Eng. 134

SUBMARINES 1922

Number.	Date.	From or To—	Subject.	
585178	FROM CARD	26	MI- Improvements in Submarine coil antenna- fwds prints. 3/23 W WI- Request action. 4/19 W. To MI- Gives Action taken 5/2	

4—3351

[OVER.]

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N. Eng. 134

SUBMARINES

1922

Number.	Date.	From or To—	Subject.	
602520	1/11	To Navigation Via Naval Communications	Radio Telegraph- Commissioned radio personnel for Submarines WF	632
585178	FROM OVER		Washn- Proposed scheme for manufg type SE- 1564 submarine coil antennas- fwds print 1/27 W.	
			To Companies listed-Reqst plans be reviewed also requests estimates be submitted including entire coil constrn W 2/7	
OVERD	27		N.Y. Belding and Packing Co. 2/10 W.	
			To MI- Fwds Monthly Radio Report 2/11	
			Miller Rubber Co. Cannot produce special coil. 2/11 W	
			Kelly Springfield Tire Co.- Fwds drawings. 2/13 W	
			U.S. Rubber Co.- Not equipt to manufg special coil. 2/23 W	
			Fed. Rubber Co.- Cannot Manufg. 2/23 W	
			Goodyear Rubber Co.- Returns prints. 3/6 W	
			MI- (T)- Subm estimate cov cost of coils. 3/7 W	
			To MI (T) Reqst estimate 3/6	
			MI- Subm estimates for coils. 3/3 w.	
			To MI (T)- rel completion of coils gives instrns rel 3/15	
			To MI- Gives Action taken cc Div 9- Washn 3/17	
611573	2/26	N.P. Warth	Ask how antenna is arranged on U type Submarines. W	875

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
585178 OVER	8/26 9/6 To Comdt Washn- Rqsts comment 10/18 W	Pacf. Subm. Force Pacf. Fleet	Submarine antenna- coil; suggested i,provements in -fwds photos. W. To Pacific Fleet- Ack receipt of Coil W 9/17 To Westinghouse Gives inform rel Sample of rubber covered wire- W 9/17 cc Washn Westinghouse E/M Co.- Gives suggestions rel to imprvt of antenna coils. 10/10 W. 875	
51272	9/13	Inspr GE	Fwds print & photos of "T.E.Transmittor" for submarines. SW	629
594022	10/11 11/2	Phila. C&R 514-6	Loop antenna- submarines L-4-9-10; fwds prints. W. Fwd C&R 11/15 To C&R- Gives inform rel work 11/19 To C&R- not desired that work be undertaken 11/19	
602620 TO CARD 27	1/6	To C-I-C Atlantic-Pacific- Asiatic Fleets	Radio installations on Submarines- comments cc Navign- Dir of Commns- Comdrs Div 1,2,4,5,6,7,8,9,10,12,14,15,18 Comdrs NL- Coco Solo Hamp Rds- San Pedro P H- Cavite W Atl/Sub- 1/16 W To Atlantic Flotillas Fwds correspondence 2/1 C&R- Fwds correspondence rel to -2/16 W Subm Div 14- ? Detailed report rel to organization of div communication training employ etc. ? W.	
605720	1/13	Subm.Div. 9	Copy of letter to Pacf. Fleet rel to radio instlns on Submarines and Submarine Divsn 9. W	

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N.S.E. Form 134.

SUBMARINES 1 921

Number.	Date.	From or To—	Subject.
549866	2/18	Sub Div. 14.	Report cov trouble experienced with radio masts on Submarines due to parting of hoisting cable, with comments on obviating difficulty. W fwd C&R 3/11 RB 4/7 W C&Ro Copy action to Subm Div 14. 4/6 W. To Div 14 Gives inform 4/11
550033	3-9	To Secty via Oprns 105-0-6	Radio apparatus on S-class submarines W RB 3-15 To Div 12 - 18 Allocation of tube trans appvd 3/19
554085	3/7	Subm Div. 1, 73671	Request inform rel to combined experimental operation aircrft submarines, etc. W.
562338	5/5	Subm. Div 1 Copy	Request shipt of 50 vacuum tube plate batteries for use on submarines. W. Shipt order from M.I. to Coco Solo 5/9 7331 RB 12/14 W" MI 5/17 W. fwd S&A 5/25
574354	7;9	Sub Div 14 T	Ask when matl will be ~~shi~~ available at Pearl Harbor for instaln of french coils and loop antenna on subs of division. W To Sub Dv 14 Tel 7/14
REON 245/21 7/14		To Comdt Boston via S&A	Antenna wire insulated for submarines WR
582971	8;10	Pearl Harbor	Reqt radio plans of R&S type submarines. W

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[OVER.]

SUBMARINES 1920

Number.	Date.	From or To—	Subject.
518444	9/21	Inspr Union (T)	Request plans covering French coils for submarines. W. To Inspr Union 9/24 To Inspr Union- 10/7 Inspr Union (T) Request vandyke. 10/6 W.
524045	10/18	Naval Intelligence	Fwds copy of article rel to wireless on board submarines. W.
530857 6	11/18	N.Y.	Fwds description of a Submarine radio transmitting and receiving bouy gotten up by Gunner F. Sherman. W. Wireless Spec. Appr. Co.- Fwds photos of 2 KW transmitters with condition cov. 11/30 w To F Sherman 12/7 To Wireless Ap Co 12/17- acknow- W
543529	2-1-21	To M. Island	Acknow forms- bearing heading "USS V-9, May 1920" Reqst advise what vessel refers to W MI 2/9 W.
546394	1/6 ?	State Department Dept	Fwds letter from Vereinigte Electrotechnische and Chemische Werke offering to demonstrate an invention which will permit communication by telephone or wireless to a submerged submarine, at normal depth. W. To Intelligence 2-17-21 (Verinigte Electrotechnische & Chemische Werks) Copy Sec
549263	2/11 2/19	Subm Div. 9 Communications	Recommendations cov alterations of present Submarine group wave. W. fwd Commun 3-9 RB 3/11 W To IM Norf Gives Action cc Comm - Div 9 3/15

Number.	Date.	From or To—	Subject.	
490749	4/29	T. Johnson, Jr	Submits status of plan for comings Submarine trip in connection with various radio tests - W	
492055	5/6	Wash CO BUSHNELL (T)-Arrangements made to complete all desired tests on F-5 before or during trials.5/31 W Bar Harbor- Report on distant test with S-4. 6/7 W. Boston- Confirmts telephone conversation in conn with determining antenna data with Destroyers at Bostob. 6/9 W.	Design problem No. 2 - prelim service test on sample of marble T E submarine transmitter - report covering - W To Anacostia- tests made have been prelim 5/14 To Ports (T) removal of trans and gen. Do not remove elec leads letter follows 5/19 To IM Ports. auth of instal. of expr radio equipment aboard S-5 5/19 To T. Johnson (T) instructions rel matrl 5-21 T. Jonhson, Jr.(T)-States Subm radio tests at Provincetown will take until about 6/8. 5/28 W To BUSHNELL (T)- For Aid Johnson-advise if possible conduct part radio test while S-5 is making trial runs. 5-29	
494526	5-28	To M.I.	Informs that Bu. has reqstd Washn to ship San Pedro oscillation control units CC San-Pedro	497
498366	6/8	CO BUSHNELL Copy	Request opening of schedule 5530 be postponed until 6/23. Request Annapolis transmit 6/9 on 17,000 meters To BUSHNELL (T) 6-8	W.
500489	6/19	Washington	Subm report on test of sample model TE submarine transmitter submitted by G.E.Co. W.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
500544	6/19	C&R	Copy of circular letter giving instrns in conn with instln of loop antenna. W. X 875	
502966	7/1	Boston	Lists apparatus used in conn with submarine radio test shop on Govt bill of lading to GE Co., Washington Yard. W.	
505515	7/14	Ports.	Request copy of special radio report on test of Submarine motor on board BUSHNELL and S-4-5. W. To Ports. fwds copy of report 8/25	
505259	7-16	To War College Newport	Fwds copy of "Report of radio tests on Submarines W	
506476	7/20	CO S- 6	Fwds report of Chief Elec. W. R. Daniel, cov radio test on Submarines. W. To CO. coments 7/26	
508995	7/23	C&R Circular	Request obtain as much data as possible relative to detection by listening gear of all aux machy on board submarines. W	797
515103	8/31	C&R	French coils for radio on Submarines- copy of circular letters. W.	

SUBMARINES

Number.	Date.	From or To—	Subject.	
478979	3/1	Washington	Fwds prints of proposed plans for shielded telephone connection to Submarine Radio receiving equipt.	W.
480060	3/8	To Im Ports 109-0-6	Retuning Cuttings & Washnington transmitters on submarines S-4 and S-5. Reqst estimates. W Ports- Subm estimates. 4/8. W To Ports. asks fwd plans and info 4-12 To Ports. asks reply be made 6-12 Ports- Fwds drawing showing changes. 7/15	W
480970	3/11	Washington	Loop and flat top antennas for Submarines.- fwds prints with comments on.	W.
480596	3/4	Dept of Justice	Request authority to inspect documentary evidence relating to signalling devices which may be on file at Annapolis, Md W.	896-1
481289	3/8	Ports 109-0-6	Transfer send-receive switch for proposed rotary loop main antenna submarine instln on S-4. Fwds prints with estimates.	W.
481833	3;11 C&R 4/23	Inspr Union W.	Request VanDyke covering 3 wire entering in tube for submarines. W To C&R. reqst fwd vandykes to Inspr Union 4-14 To Inspr Union 4-14	
481621	2/12	C. N. Ingraham	In connection with developing rejectors, accepters and brake system - ask if Bu. will approve reqn covering material - W	

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N.S.E. Form 134.

907 SUBMARINES

Number.	Date.	From or To—	Subject.	
482107	3-12 3-18	Dept of Justice Dept	Submarine radio loops; request correspondence and top orders covering installation of old submarine; (896, 896-1)	
482670	3/19	Naval Intelligence	Fwds copy of article on wireless on submarines - W Fwd Intelligence 4/3	
485307	4/2	Washington	Fwds reports on reception and transmission test conducted on S-3.	W.
484264	3-31	To Comdt Washn	Authorization of mfg of submarine radio receiving equipment. Lists W	898
487078	4/12	Wash 903	Design problem under No. 73.- submits prelim. report and recommendations for use of ballast lamps. W (Cross)	
489154	4-26	To Operations Bar Harbor-(T)-report of test.6/4 W Washn. 6/22 W. To G.W. Carpenter. thanks for suggest in re trans sytem for submarines 7/2	Reqst permissions granted to representatives of Bureau to take passage from Washn to N.Y. on S-4 in conn with tests on W To Wash.Yd.- Rqst radio aid. B.R.Cummings proceed 4/30, work on S-4 to complete test.4/28 Navigation- Authorizes Bur employees listed to take passage on board S-4. 4/29 W. N.Y.- Copy- S-4 conducting transmitter test.5/1 W Bar Harbor-Copy- Report on test. 6/3 (2) W Bar Harbor- Copy- report on test. 6/4 W	

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[OVER.]

SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.
459209	11/20	Dept.	Copy of telegram to Atlantic Fleet directing S-3 be sent to Washington for conducting radio experiments. W.
459277	11/25	To Cdts IM's Insprs	Fwds wiring diagrams for subs equipped with both loop and flattop antennas and equipped with loop antennas only. W
460755	11/26	Fed. Tele.Co.	Fwds copy of letter from Crocker Wheeler Co. rel to equipt to take take care of voltage variation on 2 KW motor generator sets to be used on Suvmarines. W.
462386	12/9	C&R 590-6	Copy of letter to Phila. stating clearing lines, with arrangements of loop antenna will be eliminated from Submarines O-11 to 16. Also will be eliminated from K-3-4-7-8, and M-7. W.
462743	12-13	To Operations. 903	Radio test work to be conducted on the S-3 now at Navy Yard Wash. Reqts permission for civilians listed to take passage to participate in conducting tests. 12-13 W RB 12/20 To S-3 via ATL FLT SUB FLT-SUB DIV. 15. 1-9 copy to Operations. 1-9
463145	12-15	To S&A see card 27	Reqt shipment submarine loop antenna wire from Boston to Phila. W RB 8/4 W. To Phila (T)-Notifies of shipment. 1-19 Shipt order from Phila to Ports 8/19 8562 Rb 9/8/21. W.

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N.S.E. Form 134.

Submarines

Number.	Date.	From or To—	Subject.	
463880	12/2	Sussanna W. Berry	Raes Wireless collapsable tower for Submarine; request Belgian inventors be duly compensated. To- Reqt submit claims. 12-22	W.
464422	12/19	Dept	Copy of telegram to 5th Dist. directing vessel proceed to Norf. to join Atlantic flotilla for experiments and test. n W.	
468309	1-13	To Cavite 497	Sale of submarines A-2,A-4, A-6, A-7 B-2,C-1,C-2,3,4,5. Disposition of SE material. W	
470632	1/19	Phila.	Main and loop antenna lead in tubes for O-11 to 16 and N-4-7 - fwds prints.	W.
476768	1/29	A Crossley	General summary of under water radio experiments. W. X875.	
477942	2/27	To C&R	Installn of radio coil antennas on submarines confirms results of conference- Lists Subs W	

Number.	Date.	From or To—	Subject.
455614	11/4	To S&A	Reqst shipmt from Boston to Ports antenna wire. W RB 12/4
455615	11/4	To S&A	Reqst shipmt from Boston to Quincy radio appr W RB 12/22
455616	11/4	To S&A	Reqst shipmt from Boston to Bridgeport antenna wire. W RB 12/2 To Insprs IM C&R- sample being shipt for use in design of entering tubes for loop antennas on submarines. 11/6
456000	11/6	To S&A	Reqst shipmt from Boston to N.Y. antenna wire. W RB 3/18
456187	11/6	To S&A	Reqst shipmt from Boston to Phila antenna wire. W RB 2/9
456713	11/7	Mare Island (T)	Request probable date of delivery of loop antenna wire and French antenna coils for Submarine Division #14. W. To MI(T) 11/15

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SUBMARINES RADIO 1919

Number.	Date.	From or To—	Subject.	
48778	11/5	To S&A	Rqst manufacture of 250 Submarine radio receiving coils be atopt; alterations in design to be made. WS	629
457095	11-8	Phila. special radio report on characteristics of Satetee glass. 2/7 Phila- Fwds report of test of characteristics of Safetee Glass for use as insulators. W 2/5	Lead-in tube for loop antenna for submarines- Rqst Bakelite be used in place of glass. W To Phila 11/22 cc to Divn 10 Phila 11-28 Hers Turner Glass Co Will submit samples for test. Phila - Subm report on preliminary test. 12/22	W
456188	11/10	To S&A	Reqst shipmt from Boston to Mare Island antenna wire. W	
457300	10/28 10/29	Pearl Harbor Hawaii	Request plans showing method of instln of French coils on Submarines. W.	
457416	11/13	To Operations (Subs) 107-0-6	Reqst use of S-3 in conn with radio experiments at Wash Yard. W R B 11-24 C&R - copy of action ot Wash Yd - 12/12	
458579	11/19	To Phila	Fwds wiring diagrams showing connections for trans and rec on subs fitted with loop antenna only. also where fitted with loop and main antenna. W To Ports fwds 11/19	

SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.
441857	8;26	C&R	Coils for radio instruc in con with instal in subs. W
442167	8;28	To Comndts, Indust Mgrs. Inspr's, COSub Force C&R	Data as to stand arrangements and plans. Phila 9-5 Confirms phone convsn. C&R 9-9 Copy of instructions to Fore River Mare Isl 9-11 Ports-Tel-Reqst action 10;9 Inspr ER-Recs 10;7 C&R 9-18 Copy of ltr to Inspr Lake. Cocco Sola- 9;13 Ports-Tel-States material urgently needed. W 9;23 Ports-Items urgently needed. 9;27 To Ports (T) 9/24 To C&R-Clearing lines should be insul by metallic (loops. 10;27 Ports-Tel-Reqst expedite material for S-4 10;7
OVER		Ports-Reqst fwd vandyke- Tel 10;13 To Ports-Tel-French coils will be shipped from Boston 10;11 fwd C&R 10/16 C&R-Sub recs 10;20 TO C&R-Gives information desired relative to clearing line. 10;27 To Ports (T) 10/30	
443035	8;29	Boston	Sub radio transm, plain proof key. W
355696	FROM CARD 16		To Boston (T) 10/2 To Boston-Tel-Reqst action 10;22

Number.	Date.	From or To—	Subject.	
454976	10;29	C&R	Loop tool cable for sub, expect delivery to be made at Boston Yrd before Nov 1st. fwds copy of let regarding proposed arrangement of radio tube.	W
454511	10/30	To Ports	Fwds vandyke copy of drawings. radio telg antenna installns on submarines W	
442167	SEE OVER	To IM Norf 3/29 copy C&R Phila- No french coils recd; ask what boats are to be installed on. 9/20 W. To Phila via C&R 10/5 C&R- Copy of action to Phila. 10/13 Phila- Fwds prints of French coils. 10/22 W. Fwd C&R. 10-29 RB 11/8 W. Phila. 2/7 W. To Phila 2-16-21 Phila. 2/23 W Shipt order from Wash to Phila insulat 2/26 6422 RB 4/8 W. RB 3/27 with print------	Mare Island- Copy of letter to CR fwding prints with comments. 10/23 C&R -Request certain information. 10/31 Mare Island 10/25 Ports -(T) Request expedite action. 10/29 C&R- Fwds copy of letter to Phila giving instrns. 10/29 NY-Reqst all drawings showing stand instal be fwd. W 11;4 MI-Reqst action. 10;31 C&R 11/10 C&R 11-22 Rqst action C&R - reqst action - 12/11 C&R-reqt action-12;27 Mare Island Request action ? M IS-1;20-reqt action-1;20 C&R-1;26 Norf-fwds prints showing proposed method of installation-1;28 To MI 1/29 C&R - Request action 2/10 Mare Island 2/12 C&R 3/4 C&R - reqst action - 3/13 fwd IM Norf via C&R copy Div 5 and IM Norf 3/18 Norf- Request action 3/25 C&R- Request action. 4/14 C&R- Request action. 6/4 W. C&R-Request action 7/2 W	

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SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
416696	5;5	C&R Circular	Sub information in con with what is approved for various sets.	W
415877	5/6	To Comdt Washn Yd.	Comments rel to policy of equip subs with arc type transmitter. W.	898
422912	6;23	Bu Stand publicity	Asks if any objection to publishing results of experiments on subs radio com during summer 1918 To Bu Std- no objection 6-16	W
426494	6-19	To Ports Tel	Refer phone conv type plans radio installn subs will be fwd Friday June Twenty cc to Radio Divn To Ports Phone- re plans 6-19	D
427338	6;19	N L Sub Base	Fwds report on loop transmission submerged..	W
407735	7/25	To Purch Officer Paris	Receipt acknow public bill 2631.	K

Number.	Date.	From or To—	Subject.	
436296	None	Bu Stand-Res Lab	Loop radio transmission on subs, report on comparason. W	
439649	8;12	Exp Publishing Co	Reqst copy of report on sub radio tel by Messrs Willough & Lowell of Bu Stand. To Western Elec Co- 8-19 To Bureau Standards- No objections to publishing of report of Mssrs Willoughby and Lowell.8-19 West Elec Co - 8;28	
365915	FROM CARD 16		New Lond - Subm report. 8/19 W.	

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SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
393373	1;17	European Force	Furnish seven radio receivers for subs fwd to New London.	W
395721	2;7 2;17	Atl Sub Force C&R 655	Asks if certain papers missing on radio test were fwd. to Bu To— States it assumed that papers were the missing ones. 2/21	W
400758	3;7	West Elec Co	Req authority to have rep visit sub in con with radio tel set. To Opr- reqst Western Elec Co be granted permission re above 3-11	W
403914	3;15	Ensign A Crossley	Underwater loop constance, sub report of test with curves carried out on H-2 Cross to 875	W
414846	4;28	New London Base 875	Sub infor re range of loop and antenna test under water.	W

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[OVER.]

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Number.	Date.	From or To—	Subject.	
404780	3/26	To Operations (SUBS) Via C&R	Recommendations made for standard type submarines reasons goven - Charleston-Submits estimate. 5; 7 fwded KW 5-13 RB 5;22	905
407735	3;5	European Force	Asks if radio rec for sub shipped 8;15 has been received. To Purchasing Officer Paris France- acknow receipt of apparatus 4-11 Navy Purchase Officer-Paris 5;22	W
403053	3/31	To Comdt, Washn.,	Advised demand from three different sources, under water operations with subs, recention aboard battleships using short antennae, anr radio compass shore stations author carry out developments re amplifier for-	898
409197	3;29 4;2	New London Sub Base Operations 107-0-6	Radion test on S 3 and SC 408. S-3 in dry dock for about two weeks; gunner Bradley is returning to Sub Base; asks if test shall be carried out after S-3 undocked. fwd Nav 4-9	W
410327	4;11	Ensign Crossley	Sub loop constance, report of test with on H-2 6	W
411428	4;11	SAN PIEDRO: SUB BASE	H-9 req permission to instal under water radio for rec app.	W

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SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
369829	11;16	New York	Proposed antenna arrangement for O R & S class sub, fwds drawing showing comment on. W To NY, re proposed antenna arrangement 11-21	
372388	11;26	NL Sub Base	Report of test of 1 1/2 kw transm being mailed to day. W	
373374	11;28	Bureau Standard	Report of test on sub D1 cov receipt of sig.	
377917	12;13 12;14	Col Gas Engine School Nav	Req Machinist-mates school G L be supplied with pamphlets entitled "Master Cabborator" DA	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
377371	12/16	To Bost.	Sub radio antenna wire. Fwd/ immediate rprt necessity 200,000 feet sub antenna wire schedule 7456 half based Sanda requisition four.
365921	SEE CARD 16		Fwd S&A- 1-4 To NLondon- reqst acknow receipt ofappr 2-26 N Lond Dist Base 2/28 Matrl recd 12/31-
386355	1;17	C&R	Arrangement of radio room on sub, fwds prints. W
389370	1-30	To SAVANNAH	contracted for 4,000' of insulated wire for submarine underwater radio equipmt -2000' to be delivered to SAVANNAH 1-30
392108	2-7	To New London Nav Sta-	Submarine Radio experiments. Will fwd apparatus for developing greater power from the loop antenna now used. W copy to CO Submarine Base New London. W

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SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.
347727	9/13	To NL	Encl. copy of let. from Dept. of Commerce re underwater rad. reception. W
358334	9/16	Bushnell	Reportsof radio material submarine floating Division 5
360735	10/22	Sims 7573 Copy	Fwds. one set of French Navy type receiving coils for use with Be Broghia submarine radio receiver W
355696	10-21	To Bost	authorizes manf by Bost of 10 loops --re experiments on Transmission and Reception on loops aborad Subs. W
		To Boston Tel 6-20	To Boston Tel 6-11
SEE 20		Boston-Tel-Estimated date of comp on 8:17 Boston-Req instruc ref to ship radio loop coils to N L Sub Base. W 8;18	Boston-Reqst ship instruc cov antenna coils. 9;30
			Boston-All material req for mfg of loops on hand. 6:16
357643v	10-29	To Dept (Operations)	RE experimental work on loop transmission -is making reqts for rubber insulated phosphor bornze stranded cable for wk at N Lon W
			Dept - ;11;16
365653	11;1	Dpet	Copy of letter to New London ~~Experiment~~ Station on tube transm and reception aboard sub trip test, under navy conditions on same at New London. W

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907 SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
365915	11-8	To Dept, Dir Subs	Equipment of subs for under water transmission	
SEE CARD	To N Lon	via C&R- Fwds prints	Rqsts experiments, comments 11-8 W	
19	showing proposed changes on bridge of H-2 nec for above experiments		Dept -Copy of endorsement New London Base directing carry out test. 11;12	
	C&R-Copy of endorsement 12-4 to NL, fwds prints. W 1;9		To Dept, re test of underwater radio, 11-25	
			Rec back from Dept 12;19	
366522	11-7	Sims (T)	N L Sub base 7;17 N L Sub Base- 7;31	
			Are British Subs equipped with radio arc transmitting sets larger than 3 K W, W	
			Sims- Copy 4509-Description of British Sub transm 11;9	
366702	11;5 11;8	N London Sub Base Dept	Report of radion sit at Beth S B Co and Lake Co W	
365921	11-9	To S&A	Reqts shipmt from NY to N Lon 4 1/2KW radio transmitting sets	W
SEE CARD 17	To S&A-Asks that action be taken to expedite 4 radio transmitting sets 12-24		To NY, Re shipt of radio apparatus 11-23	
			NL-Fwds prints on data of radiation with comments on. W 11;26	
366521	11/12	To NL	Asks report on results of change of transmitting sets. on Subs.	
368922	11-14	Bu Standards	Submits report of Submarine radio experiments made during past summer	W
			To--copy of manuscript not recd 11-18	
			Bureau Standard 11;122	
			To--confirms telephone message re radio manual in possession, 11-27	
369462	None	T B Kinraide	States experience with underground radio apparatus in use on subs, req permission to purchase apparatus. W	
			To -- comments on letter 11-21	

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[OVER.]

SUBMARINE RADIO

Number.	Date.	From or To—	Subject.
340650	8;23	New London Base	Reqst expidite condensers for use with arc sets on submarines for underwater radio. W
340881	8/27	To CO USS L-5	Encl. 4 copies of Instr. sheet. W To Com. Atl.Fleet. Encl. 2 copies of instr. sheet. 8/27
347727	9;10	Bu Standard	Asks relatibe to underwater radio sig for submarine. W
351317	9:21 CO K3 - 10;2 CO. E2 Oct. 8 New London Base Oct. 10 C O H.2 Oct. 17 Receiving set turned into Philadelphia W Fwd K-5 10-23 CO H-2 9:22	N L Sub Base	Rec all subs be issued orders to turn in old receivers upon receipt of new. W To Insp. Quincy Gives instructions for return of Marconi Receiver. 9/26 To COs of Subs. (35 letters). Gives instructions for return of Marconi receiver. 9/26 &27. To SB NL Has reqtd. COs of Subs. for return of receivers. 9/28 To CO K1 Gives instruct. for return of rec'r. 9/26 To CO K5. Gives instruct. for return of recv'r. 9/28 To D1 9;26 received back 10;3 USS E1 - 10;2
353713	9:23	CO	Div Sub Force 27, sub report of underwater installation on. W

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Number.	Date.	From or To—	Subject.	
352856	9/25	Dept	ORS and AA class of subs reqst comment of in conn w removal of transmitter apparatus	Bureau D A 876
354002	9;27	Sub Force	Experimental under water, radio, fwds report on W	
356286	10;7	Atl Sub	Tel: req radio apparatus listed be shipped to Alert for use of div set. W	
363822	10;30	Sims Copy 8383	One amplifier box of French type shipped to bureau.	

SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.
284328		CARD 13	Atl Fleet - Recommendations re radio equipment on R class submarines. W 4-26
302853	5-3	To Comm..Sub.Force Atlantic-	Test on submarine to demonstrate possibility of using submarine oscillator motor generator as radio motor generator and vice-versa- W Atl Sub Force - No submarine available for test. W 5-24
306396	5;12	New London	TEL. Reqts make arrangements with Bureau standards to allow Willoughley & Lowell to to remain for some time longer. W To N Lond-(T) Despatch May 12th addressed LeClair signed McDowell Bu Standards auth Willoughby and Lowell remain as long as necessary 5-14
368209	5;15	Atlantic Sub.	Detailed suggestions for radio installation and submarine under connection and authorize. W To C.Atlantic Sub. Represent. of B. will visit the CHICAGO at an early date. W 6/1
313933	6-8	TO S&A	Rqst shipment from NY to Sub Base Coco Solo-radio apparatus--W Received back 8;23

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N.S.E. Form 134.

SUBMARINES : RADIO

Number.	Date.	From or To—	Subject.	
298282		SEE CARD #13 CANCELLED	Inspr Union-T-rqst Bus consideration of action taken. W 6/15 Mare Island - TEL: Reqst authority to have radio set returned to Mare Island from San Pedro for instal. W 8;23 To Mare Is. (T) Author. install rad set on BROAD BILL. 8/27	
327495	7;17	Pg Sd	TEL: Insulator for submarine O 2 and H class have not been received at New York. W To------ (T) Author. use of insulator. 7/18	
331737	7;27	Atl Sub	Reqst 1,000 radio amplifiers be supplied to submarine list. W	
336605	8;5 8;10	Atl Sub Atl Fleet	Sub information in connection with faults found in installation of radio apparatus on submarine. W To Wash- Approves policy of supplying each sub with audion "B" batteries 10-31	
337362	8;13	Atl Sub	Unsatisfactory receivers, reqst same be replaced.	

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[OVER.]

SUBMARINES: RADIO.

Number.	Date.	From or To—	Subject.
278850	1-29	Atl Sub Flo	Recommends all submarines now being built be fitted with DeForestdetector, oscillator and amplifier. W
283240	2/19	Atl Sub Force R	Spare parts for submarines - gives list of those needed for submarines needed on distant service - W To S&A--Reqt shipt of radio spare parts from Wash to BUSHNELL. 2/25 To S&A--Ditto from Bost and NY. 2/25 To Atl Flt--2/25
Shipment order Feb 26 RB 6-5 To CO BUSHNELL. Asks if radio apparatus rec'd. 8/21 To CO BUSHNELL/ Asks if radio apparatus rec'd. 8/19 Shipment order fwd 9;25 received back 9:30 Submarine Forces- 9:10 Shipment Order 9;25 received back 11;5			TO S&A-Rqst shipment from Wash to U.S.S. BUSHNELL- radio apparatus-5-16
284328 Card 14	2/12	Atlantic Sub Flotilla	Telescopic radio mast for submarines -- criticises present design. W To--Detailed comments on. 3/12
Sub Force-Fwds data on transmitting range of sub radio sets. W 42-2 To Atl Sub--Comments on average transmitting ranges. 4/18			
285302	2-27	Boston.	Fwds. photographs of antenna switches and flame proff hand key for submarine sets. W.876.
292774	3-23	Richard Pfund	Method of communicating between submarines. W Phila - Telephone communication re use of Edison phonoplex transmitter in communication between vessels. W 5/3 To N Lond- 5-10
293629	3-27	Marconi Company	Copy of letter to NY relative to mounting for 1/2 kw submarine sets. W
296026	4/5	Marconi Co	Asks if Bureau has any objection to their placing order with factory for 75 1/2 kw submarine type panel sets to be used as reserve. W To Grt Lakes--Ask what vessels equipment is installed. 4/9
Great Lakes 5/6. Great Lakes 5/7.			Great Lakes-5/7.

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907-SUBMARINES:RADIO

Number.	Date.	From or To—	Subject.	
298282	4/10	San Pedro Subm Base	Request be supplied with two submarine radio sets.	
		To Inspcr Union Works-(T) 1 kilowat dimensions Simon- will not require changing bulkhead-make installation in first boat possible inform Bu on which boat installed- 6-8	To San Pedro, Subm Base, rqstg shipmt of radio set to base for instruction of radio personnel, 5-15	
			To S&A rqst shpt from San Francisco to San Pedro one transmitting set for instruction, 5-15	
		Inspr Union-T-1 kw set will be instld on R-16. W 6/10 Shipt order 6-15 RB 6-17	To Inspect San Francisco, re above, 5-15 Inspr Union - two T's - Request instructions re installation of 1/2 KW set in R-15 and one KW set in other boats. W 6-4	SEE CARD #14
298751	4-15	Atlantic Sub Flotilla	Reports on telescopic radio masts. W	
298773	4-11	Key West	Range reception on submerged submarine. W	
299127	3/20	Key West Exp Sta	Reports on installing Wireless Apparatus on, K-4.	

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[OVER.]

SUBMARINES: RADIO.

Number.	Date.	From or To—	Subject.	
246079	8/27	Atl Sub Flo Personal	Submarines L-1 to 4 and 9 to 11, K-1 to 6 and E-1; states should be furnished with longer range radio equipment.W	
246897	8/27 8/31	Phila C&R	Submarines, clearing lines; request decision relative to leading ends of antenna directly to deck forward and aft, or if present short mast must be retained.W (Cross to 514-6 and 421-6). Fwd C&R—9/14	
247495	9/5	To Bost	Test of 5 K.W. H-C Submarine oscillator motor generator. Directs arrange for test. W Bost 11/12	
250920	9/17	Director Nav Communications	Report on radio equipment on German submarines.	652
250920	9/24	To Nav Com	Radio equipment on German Submarines-comments on siminlarity between German and U.S. install. Experiments being conducted at New Lond, with a view to establishing communication between subs entirely submerged by radio.	652
253407	10/6	Cutting & Washington	2 kw submarine sets; submits brief description of and quotes price.W To—Will make reqn for 20 2 KW sets. Fwds copy of specns for sets.10/23	

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SUBMARINES: RADIO. 907

Number.	Date.	From or To—	Subject.	
256850	10/24	Bost	Asks if Bu's desire to equip submarines with receiving apparatus suitable for receiving arc signals. W ~~To—pWill not equip.10/31~~	
259330	11/8	C&R	Disposition and use of aerial in housed position of submarine. To—Concurs.1/7	
269904			Sims-copy--Directional and listening devices-for use under way-asks latest developments.1/5	
273240	1-9 1-11	Oscar B. Wiren Dept 652	Relative to wireless station for use of submarines, offerred by Lt Comdr Peter E Stogoff of the Russian Navy.W Fwd Ord—1/25	
274948	1-16	Atl Sub Force	Request 2 1,000 kw radio sets for Div 1 of Sub Force.W To—1/25 ~~To S&A—Reqt shipt of trans sets from NY to Coco Solo. 1/26~~ To S&A—Reqt shipt of audion control boxes from Wash to Coco Solo. 1/26 To S&A Reqts. shipt. of radio receivers for Coco Solo from Wash. C.S. W 6/12	
276675	1/24	Cutting & Washington	Two K W Submarine sets - fwds prints giving overhaul dimensions - W	
276351	1/25	To Bost	E.G.Gallagher, Lake Co. Re visit of to Bost Yard for information concerning 2 KW radio trans sets for use on submarines. W	

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[OVER.]

SUBMARINES: RADIO.

Number.	Date.	From or To—	Subject.
234455	6/19	Marconi Co	Quotes price on 1/2 kw panel sets; submarine type.W
234745	6/19	C. H. Bickell	Request loan of certain apparatus in connection with experimental work for submarine wireless apparatus; writes in behalf of Tidewater Oil Co and request Mr. Moritz be allowed to erect antenna and conduct experiments.W OVER To—Gives action on reqt.6/21 To NY—Lists apparatus auth loaned temporarily. 6/22 To Nav Com—Rec carefully scrutinize work of Mr. Moritz and his associates.6/28 Communications reports Tidewater Oil Co authorized to use antenna.6/29 Bickell awaiting authority from Communications 7/6
	To—7/7		
	To—7/10		
	NY copy of report on visit to office Moritz in conjunction with Dept of Justice 7/10		
	To—7/12		
	To NY—7/12		
	C.H.Bickell relative to double check Moritz experiments 7/27		
	To—7/30		
	To—8/3		
	To Nav Com—8/3 To NY—8/3		
234751	6/21	To Yards	Type plans for details of antenna lead-in tube on submarines equipped with 2 K.W. radio sets. Have developed standard method of installation. Fwds appvd prints. W
238112	7-11	Bost	Flame proof hand key developed for Submarine radio transmitters; fwds vandykes.W To—Comments on.7/23 Bost 8/16 Bost fwds prints9/7 To Bost—Appvs design.9/28 Bost fwds vandykes 10/14 Bost 10/24
231331		CARD 10	Bost submits report for N-4 to 7 7/20
240324	7/18	Bost	Confirms telephone call relative to changes in submarine plans.W

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907 SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
226720	7-30	To Atl Fleet	Atl Sub Force fwds copies of letters on radio receivers for submarines.	711
242300	8/6	To NY	Expermental two conductor submarine radio entering insulator. Directs prepare apparatus for shi t to New Lond. W To N ew Lond--Gives action.8/6 To S&A--Reqt shipt of submarine entering insulators from NY to New Lond. 8/8 To S&A--Reqt shipt of Radio set from Wash to New Lond.8/8	
234745		OVER	C. H. Bickell relative to status of test 8/8 To Manhattan Elec S up Co--8/9 To C.H.Bickell--8/9 Bickell does not desire further experiments made 8/17 Manhattan Elec Sup Co 8/17	
	To NY--8/21 To C .H.Bickell--8/21 NY all material returned.9/12			
243596	8/13	Cutting & Washington T	Submarine antenna; request maximum and minimum capacities.W To--(T) Gives infor reqted.8/15	
245360	8/23	To Sub Force	Report on alteration made by British H-class submarine built at FR. Fwds letters in connection with. W Submarine Force 9/4 To Atl Sub--9/25	

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[OVER.]

SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
223606	4/17	Boston	Standard plans radio installation on submarines W	
	C&R states have been fwded to Bost.6/6		To via C&R--Gives action.6/1	
	To--Reqt Vandyke of standard antenna be forwarded.7/24		To Phila--Fwds standard plans with comment. 6/1 Bost fwds plans 7/31	
224241	4-20	NY	Rest plans of radio apparatus on Dutchland be fwds in connection with making up a more satis type of antennae.W	
			To Nav Intell--Reqt full description.6/8	
			Nav Intel fwds register on German submarine radio sets 6/9	
226189	5-2	Director Com Service	Quotes leter from CO Submarine Force stating impossible for submarines to use radio; rec use of submarine bells; Have informed commander in Chief no knowledge of such orders.	711-3
227084	5/8	To Bost	Ask prospective date for fwding standard plans of radio installations for subs. W	
			Bost request action on plans 5/24	
230205	5/24	NY	E-1; reports receiving long distance messages; gives descroption of apparatus.W	
230691	5/26	Atl Sub Force	Recommends development of receiver for submarines covering wave length from 100 to 10,000 meters.W	
			To--Gives action taken.7/16	

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SUBMARINES: RADIO. 907

Number.	Date.	From or To—	Subject.
230788	5/28	To Sub Force via Atl Flt	Underwater radio experiement. Lt. Lowell will be ordered to Bu in conpection with. Reqt tests of between submarines be held at an early date. W
231331	6/1	Yo Yards	Plans of radio installations on subs. Reqt blueprints covering. W Chasn no plans have been prepared.6/6 Bost fwds print 6/9 Phila fwdsplan.6/12 Pug Sd fwds print 6/11 M Is fwds prints 6/19
			CARD 11
231723	6-1	Bost p	Fwds print of flame proof hand key for submarine radio ~~an~~ transmitter developed at Bost Yd.W for 1-2-5 KW set.W Bost fwds prints 6/19
231724	6-1	Bost	Fwds print of flame proofhand key for submarine radio transmitter developed at Bost Yd for 5 kw sets.W
232193	6/7	To C&R	Radio room on Sub 106. Lists requirements for room. W C&R asks if in position to reduce size of radio rooms.W 6/17
232939	6/12	To Bost	Fwds plans of type plans for details of antenna lead in tube on submarines equipped with 1/2 K.W. radio sets. Are standardized. W To Insprs--Ditto.6/13 C&R states C&R plans were fwded as reqted.6/19 Lake 1-17 To PS. Fwds. vandykes of plans to be fold. in manfg. & install. antenna-lead-in tubes. 7/19

Lake 6/23
Phila reports certain prints missing 6/26
To Lake--Fwds Vandyke.6/30
To Phila--Ditto.6/30
To Ports--
To Lake--Fwds drawings.2/19

NY fwds drawings 6/16
Norf states have no drawings 6/15
To Bost--Instrns re giving matter further consideration.6/19

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SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
213676	2/6	To Bost	Radio telegraph--Standard install plans for submarines. Directs prepare standard plans showing install of transmitters and details, in general of entering insulator layout. W Bost will submit plans March 23rd 3/17	
213685	2/6	To C&R	Radio telegraph--Standard plans for subs. Reqt Vandyke of drawing #51814 be fwded to Bost to assit in this work. W C&R copy of instructions to Bost 2/10	
214382	2-5	Cramp Sons.	Submarine radio equipment; developed by the Submarine Wireless T&T Co. Fwds specns and request further investigation; can communicate from shore to submarine shile submerged or between 2 submerged submarines. W.	
215826	2/24	To Asiatic Flt	Asks whether either radio transmitting or receiving equipment is recommended for installation on submarines of the A or B class. W Fwd Dept--6/7 RB 5-12 Asiatic Flt 6-5	RB6-4
215959	2-26	To NY via C&R	Radio telegraph--Entering insulators for Fleet submarines. Fwds plans, and directs prepare reqn for purchase of 25 each of.	911
223429	4/17	Marconi Co.	Reports on result of test of light voltage control rheostat for 1/2 K. W. submarine sets W	

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SUBMARINES: RADIO 907

Number.	Date.	From or To—	Subject.	
217525	3/10	To Dept via C&R	Rec experimental install of short range radio transmitters on two "C" C ass Submarines. W To Dept via C&R--Reqt reply.4/9 RB 4-26 Atl Sub Flo recommendations re installing radio sets on C class 4/12	
218609	3-15	Bost	Flame proof hand key; fwds plan.W.	
219452	3-22	Bost	Request type of apparatus and manufacturer who will supply for fleet submarines and coast submarines L-5 to 107. W To--Gives assignment to submarines.3/29	
220775	4/3	To C&R-	Radio apparatus for use in submarines. Fwds Pamphlets and blueprints from E.J.Simon for comment. W RB 4-11 To E. J. Simon--Referred to C&R, who advised not suitable for submarine installation. 4/17	
221299	4/6	To Cutting & Washington	Ask if can undertake design of small size 2 K.W. radio set for sea-going submarines. W To--Reqt reply to above letter.4/30	
222359	4-12	Marconi Co	1/2 kw sets for submarines; note adjustments for.W	
222663	4/14	To Norf	Radio sets for submarine net patrol and small craft. Will be furnished Norf when auth is received for installations. W	

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SUBS: RADIO: 1916

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Number.	Date.	From or To—	Subject.
191076	6-24	To Atl & Pac Tor Flo.	Reqt recommendation as to size of sets which are believed most suitable for these vessles. W
192156	6-27	At Sub	Radio spares for; submits list of those to be carried on board and those on tender. WR
191805	6-30	To Yards-Inspcs-Flts.	Radio installation on subarines; gives requirements for; modification of letter 190348-907. W To C&R--Fwds copy above circulars; reqt suggestions for next issue of instrns. 7/13
191803	7-5	To NY Via C&R.	Radio telegraph; fitting for entering insulator; reqt sample be constructed and tested at Yard. W RB 9/5 To N.Y. report progress 8-23 NY changes required insulators 8-28 Fwd C&R--Noted. 9/12
194082	7/6	Marconi Co	Asks report on 1/2 kw sets furnished for use on submarine. W Fwd NY--For rec as to reply. 7/22 RB 8/4 To Co 8/25
194668	7/25	Bost	Line voltage regulation. W
195884	8/3 8/8	NY C&R	Fwds print of arrangements for under water radio experiments on K-2. W Fwd C&R-- Noted. 8/11

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SUBS; RADIO 907

Number.	Date.	From or To—	Subject.	
204302	11/2	To NY	Reqt vandyke and white print of drawing specns for flexible insulated wire suitable for portable antenna and antennae on subs. W NY fwds sample 11-10	
204605	10-25	Pac Flt	Radio sets for submarin s; recommendations re size. W	
204618	11-3	Bost	Submarine radio transmitter, flame proof ket; fwds report.W Bost fwds plan 3-26 To--Comments on. 12/19 Bost reports on test of. 1-18 Bost estimates were held up waiting approval of standard contact for keys for 1/2 kw sets 1/26 To--Appvs est.4/4 Bost Sates 12 keys will be ready May 10th. 4/13 To--Gives modifi to be made in drawing. 2/14 To--Directs fwd E.J.Simon copy of corrected drawing. 2/26 Bost will submit reply Mar 10 2/28 To Bost--Directs advise Bu when keys have been manufd.4/7	
205456	11-9	At Flt	Submarines; criticisms of standard plan and allowance list.W	
209192	~~12~~ 9-15 12-15	Exp.Raide Ade Rice M.Is	Telescopic masts for submarines; Yard submits estim te of cost and re ommends autho in tallation be made on E-Boats. W To M.Is--Ack receipt with thanks. 1/12 Fwd C&R-- 1/12	
209647	12-16	M.Is	F and H boats; 1/2 ke radio sets; estimate for rebuilding Marconi panels for.W To--(T)Auth work. 1/2	
211089	1/2	M Is	Aufions for submarines;recommends No. 4 be assigned to H-2 in lieu of H-3 and assignment be made for F-2-3 and H-1	898

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SUBS: RADIO: 1916

Number.	Date.	From or To—	Subject.	
187368	5-10	To Bost-NY.	Radio installation on SUBS; reqt statement and drawings showing latest details and methods as recommended by Yd. W NY recommendations and prints; fwds 5-19 Bost fwds plan 5-19 Bost fwdsapzzr print showing apparatus installed on Lpboats 6-2	
187887	5-15	To Sub Flo.	Bu has requested orders for W.E.Chadbourne Exp Ert Radio Aid from Bost to Flo Comdr for duty in connection with submarine radio installation. W To Bost--Notifies of reqt for orders. 5/15	
188012	5-16	To Atl Sub Flo.	Underwater radio experiments; directs experiments be made to endeavor to effect radio communication between submerged submarines; asks which boat will make tests. W At Sub K-2 designated 5-19 To K-2 via Sub Div--To NY via C&R--To Atl Sub Flo--instructions 6/1 K-2 fwds sketch 6-15 To Atl Flt-K-2--Directs tests be arranged. 6/28 To Dept--Reqt orders for G.H. Clark and W.E.Chadbourne for. 6/28 (T) app not recd 8/11 To-K-2-8/12	
188090	5-12	Clark, GH	Memo relative to radio for submarines. W	
188330	5-10 5-18	Marconi Co C&R	Telesconic mast Morse type, for use on. W Fwd C&R--Comments on. 5/22	
188770	5-22	At Sub	Standard radio installation; asks if standard plans have been developed. W To--Not yet developed. 6/21 Atl Sub Asks if plans developed. 9/19 Fwd Bost-- 9/26RB 5-24 To Bost--Instrms. 5/26	
189662	6-1	Experimenter Pub Co	Request authority for M.Simon to furnish photos submarine radio app. W To--Disappvs; data confidential. 5/7 Co reqt action, explains 6-17 To--Disappvs. 6/22 To Simon--Reqt phots of apparatus be not taken. 6/22	
190095	6/6	Pac Sub Flo R	HClass; request change in radio installation to provide permanent deck mast 10' high	42U-6

N.S.E. Form 134.

SUBS: RADIO. 907

Number.	Date.	From or To—	Subject.
190334	6-1	At Sub Personal	Relative to radio apparatus on submarines; test of underwater radio ,etc.W
189804	6-8 H-1 1/20	To Atl Sub Flo.	Reqt certain data with sketches on radio installations on SUBS. W K-1 sketch 6-18 K-5 6-21 G-4 6-21 D-1 6-19 D-3 6-21 G-1 D-2 L-4 L-1 L-3 C boats 6-27 INTREPID F Boats 6/29 G-2 7/17 K-3-4-7-8 7/26 E-1 fwds sketch 7-29 H-2 1/18
190261	6-8	To Bost.	Line voltage regulation; reqt comment and rec regarding rheostats so that they can be standardized and added to standard plans.W
190348	6-10 Fwd FR-- 7/22 RB 7/28 Bost reqt action 9-27 To Bost--Gives action on. 10/16	To Yards-Inspcs.	Gives general requirements for installations of radio equipment on new SUBS. W Lake 6-20 New London reqt detailed plans and radio exper aide be sent for conference 6-21 To Bost--Makes correction in letter. 6/28 Bost request that Elec Boat Co be instructed to submit sketches to Yd 7/12
191638	6-17	K-6	Reports on radio installation with sketches in connection with general plan.W
191638	6-17	K-2	ditto

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SUBS: RADIO.

Number.	Date.	From or To—	Subject.	
170470	11/6	To NY	Authorizes Yard to assist Mr. E. M. Rave in the development of submarine radio apparatus, experiments to be made at Yard	711-3
173148	12-3	Bost	Fwds plans.W.	
173474	?	?	Report on Moor's pneumatic telescopic mast for radio on submarines. W	
173915	12-10	NY	Reports on development of insulator dittings for radio rat tail leads in submarines; fwds plan showing pr posed application to D-boats.W To Via C&R--Appys recommendation; submits estimates covering installations. 12/20 To C&R--Fwds corres on. 12/20 RB 12/24 To--Reqt plan of standard plan for radio rattial trunk and hull insulator be prepared. 2/19	
178658	2/3	COLUMBIA	Personal; reqt Marconi wave meter for use in connection with keeping up sets on SUBS	167-6
178925	2-8 2-10	NY G&K C&R	SLASS: rat tail insulators; submits Hull estimate for installing.W To NY--Reqt print of radio insulator. 2/19 NY fwds print 3-1 Fwd C&R--Reqt alterations be made. 3/4	RB 4/10
179240	2/16	To Atl & Pac Sub Flo's	SUBS; have requested shipment of radioaudion receiving apparatus for; reqt report on after thorough trial	898

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907 SUBS: RADIO:

Number.	Date.	From or To—	Subject.	
179818	2-23	To Bost.	Gives correction to be made in submarine radio plan RB 7F 106B. W Bost fwds corrected copy no date To--Gives correction in insulators. 5/24 Bost fwds 6-5	
180987	2-24 3-7	Panama Canal Dept	Capt W.V.Pratt recommends all submarines at station Naval Panama Canal be fitted with Radio. W Fwd Dept Via C&R--Comments on. 3/13 RB 4/14 Fwd Dept Via C&R---Proposed arrangement satis to Bu. 4/19 RB 5/13 Fwd Dept-6/13 To Capt Pratt--Have auth installation.4/19	
	To 1st Sub Div Via C&R--Auth installation of receiving apparatus.4/19			
	To S&A--(2)Recd shipment wire and rec set for C SUBS. 4/20			
181037	3-9	To Submarines Atl & Pac Flts.	Calls attention to the possible danger of gaseous explosion due to spark from the radio transmitter when the latter are not well ventilated. W At Sub.Flo instructions issued; recommend enclosing radio apparatus 3-17 G-2 3-29 Fwd NY-- 4/11 RB 6/5 Fwd Dept--Rec publication in general order.6/21	
	Fwd Atl Sub Flo--For comment.6/8 RB 6/15			
	To Bost--Make no further efforts to obtain flame proof covers.6/19			
182522	3-23	Wireless Spec W Co	1/2 kw sets for; enclosed; request officer be detailed to examine sample set at company's office. W Fwd NY--Directs examination of. 3/31 RB 4/18 To--NY will make examination.3/31	
182953	3-27	C&R	Fwds quotation remethod of rigging radio masts on german submarines. W	
179283	3-2	TO Bost	Boston assigned experimental work and development of	305-5
184858	4/8	NY	E-1; telescopic radio mast; fwds sketch proposed	401-6
185722	4-8 4-24	NY C&R	Telescopic radio mast; fwds print and corres relative to installation on E-1. W Fwd C&R--Rec E-1 be equipped with.5/15	

NB—0120

[OVER.]

1915

SUBMARINES: RADIO

Number.	Date.	From or To—	Subject.	
144136	12-23	F-class	Recommendations for. W Fwd C&R-- Comments on. 1/16 1-25	
145337	1-9	H-3	Report on with recommendations.W To Via Tor Flo,Pac Flt-- Comments.1/27	
145748	1-28	DeForest Co	Radio equipment: ~~askk~~ for specns covering latest installations.W To-- Fwds. 2/4	
146227	1-23	H-2	Recommendations for. W	
148767	2-26	4th Div. Sub Flo	Recommendstions for. W Fwd C&R-- 3/9. 0312 To C&R-- Arrangement saits. 3/15	
150023	3-13	K-4	Reports on operation of.W	
150024	3-13	K-3	ditto	
159152	6/12	Briar, L. H.	Telescopic antennae for use on subs; submits sketch	875
158933	7-3	To Atl Sub Div Via C&R & Atl Flt.	Radio installation on; reqt recommendations.	421-6
159244	7/7	To C&R	G-1: masting submarines in connection with radio work; will submit recommendations from Sub Flo when rec'd	393-6

N.S.E. Form 134.

907 SUBMARINES: RADIO:

Number.	Date.	From or To—	Subject.
164578	8-30	To NY.	Insulator and fittings for radio rat-tail lead in submarines; reqt yard undertake work of furnishing. W
165500	8-4	1st Div At Subs	None of the Submarines in division able to received undamped waves; C-class has no radio apparatus.W
167988	10-6	Marconi Co	New subs; asks if radio equipment will be furnished by Govt. W To--Will be furnished by Govt. 10/12
168369	10-11	Bost	Radio equip; fwds tracing. W To--Returns with changes 10/28 Bost fwds revised plans 11/13 To-- Appvs. 11/20 To--NY will inform Yd changes in. 2/19
168428	9-30	At Sub Flo	Fwds b/p, photo of German submarine showing radio installation; C&R recommends trial arrgt be made on K class. W Fwd C&R--worthy of trial 10/21
169398	10/21	Atl Sub F lo	Radio installation; subs; reqt plans developed Bost Yd be referred to Flo Comdr pending final approval.W To--Plans will be ref'd. 10/27
170034	11-1	NY	Radio rat tail lead in submarines; reports on developm nt insulator and fittings.W Fwd Sub Flo Via Atl Flt--11/4 RB 11/11
170083	8-5 10-28	Merrill, Lt.R.T. At Sub Flo	Submits collapsible telescopic mast for radio. W Fwd C&R-- Noted' 11/6

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
82709	11-14	NY	Reports status of deliveries of apparatus for Subs. E-1 and 2. W To Calpp-Eastham Co.Advising.11/16.	
82581	11/15	To Dept via S&A.	All new submarines will be equipped with radio.	497
83132	11-19	Clapp Eastham Co.	Reports non-return of detector from set furnished for test and reqt. investigation.W To---Will be returned.11/21. To At.Sub. Flo.Directs return to Co.11/21. C-1 reports return of parts.11-25 E-2 reports returning Detector to Wirless Spec. Co. 11-27 To---Detectors returned direct from ships.12/4.	
84886	12/11	At.Sub.Flo	Test of submarine device, Submarine Wireless Co. being installed on E-1, will advise date when ready for test.	711--3
			1913	
85830	1/9	To C&R	Reqs. insulators be provided for all	393-6
87025	1/9	To NY	G-1 and F-Class and all following submarines, Directs reqn be prepared for a WIRELESS Improvement Co's set as that is only make suitable for SUBMARINES.	
87392	1-13	C&R 27002-E.2	Radio masts and fittings for; fwds sketch of those proposed for K class.W To---plan satisfadtory; print ret.1/16.	

N.S.E. Form 134.

SUBMARINES: RADIO 907

Number.	Date.	From or To—	Subject.	
87738	1-15	At.Sub.Flo	Fwds description.W.	
94134	3/25	Norf.	C,D E & F classes, MASTS & FITTINGS, fwds type plans for,	497
101527	7-14	Pfund, R.	Special .5 kw quenched spark gap sets for submarines;	876
102609	7/28	C&R	C-D-E and F classes; mast for radio;b/p	497
		1914		
121299	4/1	To Mare Is.	Radio installations on F and H classes and on K-3,4,7 and 8; request estimates and plans.W	
125549	5/21	K-1	Reports on tests of Submarine Wireless Co's apparatus	421-7
132148	8/13	To Sub.Flo.,At Flt Via.At.Flt.	Installations on E-1 and 2, G-1 and 2/ K-1 and 2; request frequent reports of operation of sets.W	
		To Pac/Topr.Flo.	Request same - F and H Classes.W To Pac Tor Flo-- Reqt action. 12/2 To Atl Flt-- Reqt action. 12/2 At Sub Flo rect copy of prints 12-7 To Sub Flo--Fwds copy of letter of 8/13.	12/12
137652	10/21	NY	Reduction in space occupied by radio	711-3
142485	12-10	H-1	Submarine radio sets; recommends.W Fwd C&R-- 12/22 rb	
		1915		
143381	12-29	At Sub Flo	Radio sets for; suggestions. W Fwd C&R-- Fwds copy Bu's reply. 1/7 To--Suggests consideration of 1/7 At Sub Will recommend later 1-11	

NB—0120

[OVER.]

1912

Number.	Date.	From or To—	Subject.	
78031	9-12	Clapp Eastham Co	Quotes price on radio sets forSUBS; apply to those tested on E-1 and 2. W	
78066	9-13	Clapp Eastham Co	Recommends spare armature be provided with sets for submarines and quotes price.W. To-- has submitted reqn. for Subs E-1 & E-2 9/16 To-Flt. Bu. has made reqn 9/16 To S&A reqt shipment of apparatus to Co. removed from E-1 & E-2 9/16 To--NY. instruction 9/16 Reqt. return of receivers. 9-18 TO -- instructions issued.9-20	
79199	9-30	Nav.Intel	Fwds report radio test on French Subs. W.	
78660	10/3	Fwd Dept	Re radio apparatus for submarines,	749
79768	10-7	Clapp Eastham Co	Reqt. formal contract to cover radio set for SUB E-1. W To---Reqn has been issued.10/10.	
79932	10-10	NY T	Seats for SUBS; Clapp Eastham state have not received order for inductance couplings and spare armatures. W. To--Reqn has been made SE 118 10/11	

N.S.E. Form 134.

SUBMARINES: WT 907

Number.	Date.	From or To—	Subject.
80332	10/16	To Wireless Impr.Co.	Radio sets for; Bu contemplates purchasing ten sets; asks if in position to bid.W
6 80605	10-19	Wireless Imp.Co	Quotes price; can deliver 10 sets within 120 days.W
80657	10-21	Wireldss Imp.Co.	Objects to specns for sets for.W.
80709	10/22	To Telefunken W.T.Co.	Asks as to ability to supply radio sets, suitable for submarines; gives requirements.#0 W
80709	10-23	Telefunken Co	Asks what wave length desired. W. To---gives data.10/25.
81031	10-25	Telefunken Co	Quotes price, time of delivery and lists spares. W. To---Ack.10/26. Telefunken makes appt to discuss sets.10-28
81534 VOID	10-26	Ports VOID	Revised estimate on all work on Elec.Work.L
81532	10-30	Clapp Eastham Co.	Reqt. return of apparatus submitted for test be expedited. W. TO -- has written NY 11-4 TO NY asks if were del to vessel.11-4
82443	11/12	Wireless Imp Co.	Panel sets for use in submarines, states understands are to be 1/2 KW.

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[OVER.]

SUBMARINES: W.T.

Number.	Date.	From or To—	Subject.
58318	1/4 1/6	2nd Sub.Div. Norf	States can make rought set out of parts in store Norf. W To Norf.Reon.64.SEVERN.was approved Jan.4th. 1/25.
58612	1/12	Telefunken	Quotes price of and suggests test of. W. To---ack.1/23.
59630	1/25	Telefunken	Are taking up matter with Crocker Wheeler and have ordered certain sample apparatus.W
60633	2-2	At.Torp.Flt	Recommends battle wireless sets be installed on SALMON: SKIPJACK. W
63485	3-12	SKIPJACK	Reports on wireless experiments on and STURGEON of wireless apparatus installed by Clapp-Eastham free of charge; fwds diagram of arr,etc.W
64078	3/20	To Clapp-Eastham Co.	1-K.W.quenched gap radio set; requests forward set to Bureau of Standards for test.W(In connection with sets installed on board Subs E-1 and E-2).W
64668	3-25	Clapp Eastham Co	Will have 1 kw radio set for use on, will be ready for test in 2 weeks.W
68515	5/9	Clapp Eastham Co.	One kw rotary quenched gap; states are sending complete to Bureau of Standards.W To---Will test.5/13.

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SUBMARINES: W.T. 907

Number.	Date.	From or To—	Subject.	
69909	5-27 5-27	Shea, John F Dept	Fwds patents covering device for communicating whether afloat or submerged; W To---(for Secy's sig).--Ret.Dept.Rec be ref to C&R for investigation.6/1.	
70116	5-29	Allen, Lt.A.M.R. BAILEY BELOW	Suggestions for.W Fwd C&R.6/6. R B 6-13 To Res.Torp.Group RLRB 8 24 Fwds booklet plans of Hel, G-3 and G-4. BELOW 6/14. C&R 8/15.reqst ret.of booklets.W	
70185	5-29	NY 855-2-6	Reports on C.M. Stienert's apparatus.W Fwd At.Sub.Flo for comment.6/3. R B 6-10 To Lt.C.W.Steinert; device impracticable; gives reasons. 6/12. Ret---6/12.R B 6-17	
70917	6/11	To Dept	TESTS: asks when Subs. E-1,E-2,C-4 & C-5, will be availabel for tests in connection with Bailey & Stringham.	903
76558	8/15 8/23	STRINGHAM Expr.Sta. 2186	E-1 and 2; reports experiments with radio apparatus for submarines.W TO Clapp Eastham Co. fwds report.9-6	
70116		SEE ABOVE	To C&R.Returns booklet plans.8/24	
77232	7/9 8/19 9/3	At.Sub.Flo. Norf. C&R 27670-E.7	Subs of CLASS D; Recommends fitting masts for wireless. Estimate and plans submitted.W Fwd C&R. no sets available 9/11	
77507	9-7	TO Clapp Eastham	Reqt. price covering sets on E-1 and E-2. 9-7	

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[OVER.]

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SUBMARINES: W.T.

FILE No.		From or To— (Dated)	Subject.
28639	1/6	Waller, C.W.	Fwds drawing of patent Fwd 1st Sub.Div. for comment 1/11. R.B.1/25 Not rec. To -- Cannot use 1/30.
37051	10/10 4/25	Sims, J.G. C&R 5841-A.4278	Invites attention to his system for use while submerged. W To Sims. Not prepared to criticize.5/3.
46017	8/10	Wilder, Hon. W.H.	Reqt. reconsideration of J.C.Sims scheme for.W To---Gives resume on subject of submarine signalling.8/11.
57088	12/ ?	Chas.M.Steinart	Wireless for Subs; has invented wireless buoy which when released from boat goes to surface of water and is in condition to send messages.W Fwd At.Torp.Flt. for comment.12/29. RB 1-4 To---NY to make arrgts to inspect.1/9. Fwd NY. Instructions.1/9. RB 6-5 1912
57591	12/30	2nd Sub.Div	Submits regn. 61 for 9 battle wireless sets, suit case type furnished by National Elec. Supply Co. Reqt. approval. W. To At.Torp.Flt.Will prepare two battle wireless sets for two vessels.1/4. To SEVERN Regn.61 disappd.1/4.
57613	1/3	Nav.Intel	States French, will be fitted with. W
57904	1/6	2nd Sub.Div	Reqt. transfer of battle wireless from TALLAHASSEE to BONITA; renews reqt. for submarines. W To--- and C.O.Trasnfer approved.1/8.

NB—0120

FILE No.		From or To— (Dated)	Subject.
653478	12/16	To All Insprs mat	Low current circuit breakers- desired W
		Cc Comdt Washn	Inspr Pitts- Copy action to Elec. Controller Mfg. Co. 12/19 W.
			Inspr Pitts- Copy action to Westinghouse E/M Co. 12/19 W.
			Inspr Hartford 12/22 W.
			Inspr GE 12/22 Contractors request inform concerning relay W
			Inspr Mass 12/22 W.
		other side	Inspr Mass 12/26- Rsts inform listed be furnished W.
			Inspr Pitts. 12/26 Copy action to firms W
			Inspr Phila 12/29 Fwds letter from Cutler Hammer Co W.
		To Inspr mat GE -	Gives instrns 12/29
654570	12/21	Wash	Modification of type CAC 1224 anti-capacity keys. Estimates covering W
			To Washn- Recomdn appvd 1/16/23
654943	12/26	Wash	Rqsts estimates covering cost of Manfg 60 hand keys, modle TM set W

653478 from other side of card

To Inspr mat Boston- Low current circuit
breakers- gives Inform rel W 12/29
To Inspr mat Boston - Gives Inform 1/3/23
To Cutler Elec. Mfg Co - Gives Inform cc
Inspr mat Phila 1/11/23

SWITCHBOARDS AND INSTRUMENTS RADIO 1922

Number.	Date.	From or To—	Subject.
636782	8/12	To Cavite	Instruments for radio lab Cavite Fwds certificate W
639318	8/25	Norf.	Request wiring diagram of 2 KW switch board. W. To Norf- Fwds Vandykes 9/12 F Norf 9/26 W. To Norf- 9/30
633534	FWD FROM CARD 36		To Weston Elec Instru Co-Bu has not verified electrical constants of relay but has been inspected 9/2 W L. D. Joralemon- Requ st action 9/11 W.

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SWITCHBOARDS AND INSTRUMENTS: RADIO 1922

Number.	Date.	From or To—	Subject.	
633660	from card 36		To Ports- receiver Protective Relay- rel inspection of cc Washn W To Washn- Disposition of relays cc Ports 9/14 To Ports- Rqsts relays be modified. 9/27 cc Washn.	W
644109	9/28	Diolite Prod. Co.	Fwds sample of Diolite Radio panel- request test be made. CW. To-- gives Instrns 1/5	
647067	10/25	Boston	Rqsts van dyke showing 10 KW radio relay key W To Boston- Fwds vandyke 11/1	

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[OVER.]

Number.	Date.	From or To—	Subject.
625555	5/29	To S&A 406	Reqst shipment of instruments fr m Washn to Companies listed W S&A 2/5 Return of defective instruments to mfgrs. Ask if shipment has been completed W Fwds S&A 2/12/24
627231	6/9	To S&A 472	Reqst shipment of mat from Washn to SO mi W
628398	6/15	Lowenstein	Antenna brake relays. Recommends changes in W To Lowenstein Radio Co- Appvs changes 6/30 W Fwds Washington 6/30 W Washn. Fwds vandykes requested. 7/11 W
629313	6/20	Ports	Request vandyke of antenna brake relay be furnished W

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SWITCHBOARDS AND INSTRUMENTS RADIO 1922

Number.	Date.	From or To—	Subject.	
629073	6/23	To Gen Elec Co	Fwds Specens W rel ammeters W	
632916	7/6	G. Lewis	Calls attn to new relay invented -request opportunity to demonstrate and have same tested. W To Mr. George Lewis- Rgs s inventor submit relay if possible 7/18 W Natl Radio Chamber of Commerce 8/2 W.	
633534	7/17	L. D. Joralemon	Request inform rel to using relay in comm with control of wave lengths. W. To Weston Elec Instrument Co- gives inform 7/21 L. D. Joralemon- Subm quotation. 8/12 W To Weston Elec instrument Co- comments 8/28 L. D. Joralemon- Ask name of manufactuer of low current relay. 8/29 W.	
FWD TO CARD 37				
633660	7/19	Washington	Type SE 3522 receiver and protective relays- request instructions cov repairs. W. To Washn Reqsts estimates cc Ports 8/4 Ports- Rqst auth return of all relays found defective at Washington and Ports. Yard. 8/29 W.	
card 37				
633498	7/21	To Washn	Wave Indicator- Appvd W	

SWITCHBOARDS AND INSTRUMENTS RADIO 1922

Number.	Date.	From or To—	Subject.	
607499	2/4	To Ports	Reqst latest revision of vandykes be furnished W To Ports- Charging panel for sound signalling compensator batteries- fwds print. 2/13 W	
612704	3/3	Mare Isl.	Request further inform rel to raining type relay used by radio labr for Key West. W To MI- Gives Inform rel Relays 3/16	
612787	3/7	Bureau Standards	Subm quotation gov radio relay recorder. W To Dept of commerce- Reqst bids on labor and material for manufacture of relays be obtained and Bu advised 3/15	
613012	3/8	Anacostia	Bruce relay problem 131-B - report on test of. W. To-Wm Bruce- Reqst price of relays 3/16	

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SWITCHBOARDS AND INSTRUMENTS RADIO 1922

Number.	Date.	From or To—	Subject.
605732	FROM CARD	34	Inspr GE 3/31 W. To Inspr at GE- no weight will be given tests 4/11
618978	4/17	S&A	Fwds pamphlets from Pacf.Elec.Mfg.Co. cov high tension switches. W.
619520	4/19	Washn.	Request auth to manufg type SE 1305 rheostats- subm estimates. W.
623249	5/16	To Washington	Test of Allen Bradley Elec Co carbon rheostat W Wash 6/7 Report on test of "Bradleystat" rheostats W To Allen Bradley Elec Co- Fwds bprint on test 6/30 W Allen Bradley Co. 7/12- Co. is developing fillament. 7/12 W To Allen Bradley Co- Fwds report of test 7/27 W

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[OVER.]

SWITCHBOARDS AND INSTRUMENTS RADIO 1921

Number.	Date.	From or To—	Subject.	
555236	3/25	MI	Details of telegraphone switch -fwds prints W.	
555967	4/6	N.Y.	Fwds sketch showing 4 selector switch- ask if Bureau has Standard design similar to. W	814
568331	6/7	Washn.	Prints of amplifier transfer switch have been fwded to Bureau. W.	
588641	10/3	Inspr Mass.	Request specifications cov radio starters for radio switch board. W. To nspr Boston- Fwds specns 10/6	
592373	10/25	To S&A VOID SEE 898 9058	Reqst shipmt of amplifiers from Chasn to SO Washn W	
592374	10/25	To S&A 9062	Reqst shipmt of instruments from Washn to companies W	

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900-

N. Eng. 134

SWITCHBOARDS AND INSTRUMENTS RADIO 1921

Number.	Date.	From or To—	Subject.	
593995	11/1	Ports	Request vandyke of lighting switch be fwded W. To Ports- Fwds Vandyke 11/5	
603933	1/12	To Natl Elec Supply Co	Has this date delivered to your special messenger one copy of RE 255 Instrument Specens for U S Navy Radio Apparatus W	
604900	1/24	To Washington	Wave length Indicating Device Assignment of Radio Research Problem on Fwds cc memp dated Dec 23/21 W To Washn Fwds Description and diagram of scheme for wave length control adjuster or alarm 4/19	
605732	1/26	To NY	Ask if any special thermo elements have been received from GE Co for test W N.Y.- Report on test of thermo elements- 2/5 W. To GE Co.-Gives inform rel test cc NY 2/10 GE Co. 2/16 W GE Co. Comments on specifications. 3/13 W. To Inspr mat GE- rel test of thermo elements 3/22	
card 35				
607630	2/1	Washn.	Fwds revised prints showing relays. W	

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[OVER.]

SWITCHBOARDS AND INSTRUMENTS RADIO

Number.	Date.	From or To—	Subject.
454341	10/27	Weston Elec. Instr.Co.	Radius of center of hole in flange of radio switchbd differs from Bureau print. Fwds print showing and asks if satisf. W. To Weston Elec Instr Co-Radius sat. 10;31
457173	11/11	To N.Y.	Reqst fwd report of work done in repair of Thermo Couple Radio Instruments. W New York- Reports on repair and improvements on thermo couplings for radio ammeters. 12/2
477593	2/24	To Comdt Wash	Reqst fwd vandykes W Wash- Fwds vandykes of battery charging panel. 2/28 Wash - fwds print of battery charging panel 3/15 W
478133	2/25	Washington	Recommends, NY Yd. suggestions cov re-location of radiation ammeters and standard battleship instlns be approved. W
480760	3/10	Washington	Fwds copy of letter from American R/R/Corpn Stating they are in position to develop a recording radio frequency ammeter. W.
483506	3/24	washington	Standardization of meters for tube transmitters- list types and ranges which will be required. W.
485500	4-6	To Comdt Washn	Fwds prints, type plan for std switch knife blade for switchboard mounting. W

N.S.E. Form 134.

SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
486957	4/7 4/10	E. J. Simon S&A	Request authority to purchase marconi send-receive switch from surplus material at New York. fwd S&A 4-21	W
507392	7-26	To Washn	Reqst undertake research work for improvement of present telegraphone problem 78-A To Wash- asks status 8/17/21 Washn- Investigation of improvement of telegraphones-report cov with sketches. 7/1-W	W 902
515151	9-3	To Comdts IM's Phila: submits estimates; 9-15; W Charleston; submits estimates; 9-13; Norf- Subm list. 9/25 W. Washington 11/12	Estimate for battery charging panel Type SE 36020 W Ports- Subm estimate 9/11 W. N.Y.; submits estimates; 9-14; W	
515843	9/4	Bur Stand.Labr. Washn- Fwds revised sheets showing shunt condenser system in destrys. 11/15 W. Washn. 12/1 W. SEE BELOW	Design of switch for re'ector condenser: fwds blueprint of contact maker. W. To Bur Stds- 9-27 To Washn- 9/27 To Washn 11/1	
516124	9/7	GE Co.	Fwds type 1442 send-receive switch. W.	
515843	FROM ABOVE		Washington 12/4 W.	
541890	1/21	N.Y.	Ask if remaining distant control antenna and section designating switch shall be completed W To NY 2-18-21 N.Y. 3/1 W To NY 3-14	
547043	2-19 To Mi T 3-1 MI 3/5 W	To M.I. T	Return telegraphone control panel to Washn yard. MI-tel- ask if shall ship control panel for P.H. 2/24 W	

4—3381

[OVER.]

SWITCHBOARDS AND INSTRUMENTS RADIO 1919

Number.	Date.	From or To—	Subject.	
440220	8/20	To General Radio Co	Fwds copy of specfns. W	
441769	8;25	NY	Fwds drawings showing 10 kw speer type antenna switch developed at Yrd. W	
440553	8;26	To Wash	Instrument for measuring temperature ord built. Wash Yrd-Recs instruc of measuring survey be deferred. 8;30	
439445	8/29	To Firms	Asks comments and recs on citations from Instrument Spec and any other part of bulletin which in opinion needs revision W To Firms asks comments 9/2 Roller Smith Co 9-12 Gives info rqstd. Westinghouse E & M Co-Sub Co Engrs comments. 9;29 G.E.Co. 11/15	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
445407	9-12	Roller Smith Co.	Quotes price of $35. for Thermo-couple frequency ammeters.	W
443694	9/15	To Cdt Phila	Req fwd report embodying resume of record kept at Ph of rejection of meters for radio equipment W To NY dit to 9/15 NY - 9:24 fwd Cdt Washington 10/7 Washington 11-8	
445656	9-11	Brooklyn Supply Base	12 radiation ammeters shipt to Kirkwall via Cormorant.	W
449060	10;1	NY	Auxiliary switch for operating solenvid antenna switch, fwds vandykes.	W
449564	10/1	Phila	Reqst vandykes to be used in con with instal of tel head sets, transf switch on destroyers.	902

SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
384454	From Card 28		To Elec Cont & Mfg Co-Approves use of hand starters, switches etc. To Norf-Report of suitability of test. 4;29 To Elec Cont & Mfg Co- definite info will be mailed you later date. 5-17 Electric Cont & Mfg Co 9-17 States data not yet recd. To Electric Controller & Mfg Co- Not nec to assign type nos to two KW auto starter and hand starter mentioned 9/24 Elec Controller & Mfg Co 11-25 To Elec Controller & MfgL Co- fwds prints.12-18	W
417451	5;8	Boston 848	Hand sending key, fwds prints and photoes.	W
416915	5-13	To Fed Tel Co.	Reqst furnish Bu with specfns giving type and costs of suitable instruments for install at Cayey, Sayville, San Diego. W Fed Tel Co 5;15	
422029	5-28	G E Co	Rqst type number and ampere ratings designated as type CG-1327 - W To GE Co- records show No 1327 has not been assigned to D C ammeter or other appr 6-3	
424929	6-13	To F E Gilbert	Reqst info re time of del and price of milli ameter- W F E Gilbert 6/14	

Number.	Date.	From or To—	Subject.	
428902	6;26	Norf	Charging panels, fwds prints.	
430524	7/8	To S&A	Reqst shipt be made from Ports to Radio Divn SE snap switches L	
435177	7;23	West Elec Co	Clements will be in Wash 24th in con with switches. W	
440715	8;18	NY	Fwds vandykes of report cov 10 kw antenna switch developed at Yrd. W To Wash- Fwd- 8;23	
440768	8;19	Deforest Co	Fwds sample of capacity switch for test. W fwd Washington 8/29 Washn--sample switch not recd--9/10 Wash - Subm report of test. 12/26 To DeForest 1/30 De Forest Co. 2/3 To Cdt Washington 2/7	W
	Washington- DeForest Tele. Switch forwarded to Bur by special messenger. 2/10			

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Number.	Date.	From or To—	Subject.	
43680	3/17	To Inspr Brook	Rqst fwd for apprvl, sample of sending receive switch, and fwds marking to be placed on package. W.	629
404162	3;19	Westinghouse E & M Co	Req interpertation of spec cov calibration of instruments.	
401242	3/11	To NY	Reqm info re switches being supplied under existing contracta for Navy spark transmitters for independ control of rotary spark gap motord To Bos Ditto 3/11	898
404023	3/21	To Bost	Recommends requ re shipt of radio room panels to Phila ditto 3/2	898
405263	3;24	Phila	Permanent duty, field discharges resistances, and switchboard defects brought out by test. W To Phila- reqst Phila yard conduct tests 3-27 Phila- 5;5 To Phila-approved for incorpn rec letter of 3-22- 5-26	

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Number.	Date.	From or To—	Subject.	
405267	3;24	Phila	Test of Roller Smith Co, watt meter and volt meter, have no instruc in con with fwd sample. To MI,- reqst no further action be taken 4-3	W
407582	3;31	West Elec Instru Co	Thurmo ammeter, understands that location of hold down bolts to be changed, req vandykes and asks if new style only could be carried in stock. To- will accept long present stock lasts, steps hshould be taken to mod 4-4	W
407707	4-7	To Splitdorf Elec Co. To West Elec Instr Co-Fwds spec radio app. 4;28 Weston Elec Co - 4;29 To Roller-Smith Co-Error made in type number. 5;1	Instruments listed added to Bu's approved list- W To Westinghouse Co ditto 4-7 To Weston Elec Instrument Co ditto 4-7 To Roller Smith Co ditto 4-7 To Ge ditto 4-7 Westinghouse E & M Co- 4;12 Roller Smith Co- 4;19 Weston Elec Co-Req spec. 4;13	
409594	4;9	GE CO	Submits affidavit prepared by Sprague Elec Co and GE Co in con with delay in ship of switchboard.	W
NSA 552	4-8	To Insnr Brook	Revisions of specfns. W	

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SWITCHBOARDS AND INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
384455	1;10	Ward Leonard Co	Fix resistance for operator's relay circuit, recs fwd cat.	
378737	1-15	To Lowenstein Radio Co-	Type No SE 1499 assigned to 1/2 KW lighting switch and shall be included on name plate	W
387912	1;22	Roller Smith Co	Req infor in con with washers, arrangement of locker washers on instruments. To--- Above correct-gives reasons for this arrangement 1-28	W
387700	1-25	To Thwing Instrument Co	- Ack receipt of catalogue	W
388899	1-27	To Firms	4-3/8" line of instruments for radio app on Bu Specf RE 13A 255 C approved To Splitdorf Elecl Co- ditto 1-30	W
389973	1;28	Ward Leonard Co	Fwds bulletin describing battery charging rheostats.	W
385800	2;6	Fire Isl	Copy of letter to Phila stating radio compass being shipped.	

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SWITCHBOARDS & INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.
391482 specfns	2/4	To Ward-Leonard Co.	Reqs t. that Co. submit for test sample of rheostat built in accordance with specifications W Ward Leonard Co - Sample will be fwd within 6 days. W 2;8 To S&A- Rqst Ward-Leonard be furnished with Govt B/L covg shpmt of 1 rheostat- 2/15 To---Reqst. that sample be examined. 2/20 To Washn DC- re checking of shipment 2-25 To Ward Leonard Co- sample conforms to
	3-8	Wash-Sub report of test of battery charging panel sub by Ward Leonard Co. - 5;3 To Washn- reqst further test be made 5-13 Wash-Report of test of samples Ward Leonard Co Bat Charg Panel. 6;18	
395449	2;7	MI	Req infor as to type and size of bat resist. for vacuum tube bat cont switch. To Mare Is re vacuum tube battery conrol panel type SE 3554 2-28
395952	2/18	To Chf Nav Opr	Re installing Master Control Switches on 771-2 Merchant Vessls-Bu rec matter be again brought to their attention for definite ruling 2/18 S&A-Copy of let to Ward Leonard Co req ret bill of lading for cancellation. 2;28
396459	2/20	To Bost. (T)	Advise number relay keys. Boston-Relay keys not rec. 2;21 Tel To Boston T 2-25 Boston-T-Relay keys, gives number on hand none due on cont. 2;27
396933	2;20	Norf	Req disposition of 30 kw distant cont arc spark transm from sketch devel by Norf Yard. To Norf- asks make thorough test of switch W 3-25 To Phila, re above 3-25 Norf - 3;29
		Phila-Fwds spec report cov remote control 30 kw arc to spark transf switch. 6;25 Ph-Fwds spec report on remote control. 9;30	
401766	2;8	GE Co	Req bill of lading to cov return of ammeter to Washington Yrd after repairs are completed. W To G.E. Co. 3-15 Request return of hot wire ammeter. GE Co-Req order cov ship of ammeters, to lab Washington. 3;28

Number.	Date.	From or To—	Subject.	
375848	12;6	Hart Mfg Co	Will be unable to fwd switch before week Jan 9th	
34708	12/10	Pug Sd.	Fwds report of defectd found during inspection of radio boards. S.	629
378011	12/17	To Wash Yd.	Rqsts manufacture one battery charging switchboard. W.	876
378737	12;18	NY	Fwds vandykes of 10 kw and 1/2 kw switches, asks if bureau will approve design of. To Lowenstein Co- fwds prints 1/7/19 To NY- reqst sample of switch be mfg and test made on same 1/7/19 Lowenstein Radio Co - 1;9 To NY--- Approves design of 1/2 KW lighting switch-gives type No 1-14	
380024	12;27	Weston Elec Ins Co	Asks if proposal for additonal quantity of instru out for quotation. W To---- In re above 1-14	
384454 See Card 31	1;10	Elec Cont & Mfg Co Elec Cont Co-Fwds wiring diagram showing con of automatic starters. W 3;26 Norf-Fwds report of suitability test of 2 kw equip, sub by Elec Cont & Mfg Co. W 4;14 Elec Cont & Mfg Co-reqst additional copy of report. 5;2	Req authority to sub for approval 2 kw starter and hand starter. W Elec Cont & Mfg Co-Req authority to sub starter for test. 1;20 To Norf- Reqts that above app be tested and reported on 1-30 To --- Auth to forward app 1-30	

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SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
381117	12;28	GE	Desires to replace radio instrument used on wireless equip, which have proven unsat. W To GE Co- asks have rep call 1/4/19	
383142	12;28	Roller Smith Co	Req fwd copy of spec cov instruments for radio set. W	
383672	1;6 1;8	3rd Dist Com	Req shipment of radiation of ammeters for vessels of 3rd Dist be expedited. Westinghouse E & M Co-Can furnish three meters for sig carrying case. 1;20	
383142	1/9	To Roller Smith Co.	Fwds 2 copies of RE 13A 255C specifications covering instruments for radio communciation apparatus. W.	
324755	1/9	To Comms.	Rqstd that recommendations be submitted as to advisability of eliminating 7th pole from motor generator transmfer switch W	898

SWITCHBOARD & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.
364305	10;29	Wireless Spec Apparatus Co	Fwds set of data of all rheostats and all forms of resistance. W
365417	11-6	To Chief Signal Officer	re modification of specfns on instruments for use on Radio apparatus W To Firms, correcting specfns 11-8
367116	11-13	To Westinghouse Elec	Re error in specifications W
368328	11-14	Taylor Instrument Co	Rqst supply of catalogues and prices on temperature measuring and recording apparatus W To-- Rqst catalogues and prices 11-23 Thiving Co- Fwds data sheet. 11;29
368329	11-14	To Stand Thermometer Co	Rqst catalogues and prices on thermometers W Standard Thermometer Co-Fwds circular describ W
369152	11-18	To Federal Teleg Co	Re elimination of ranges of instruments comments W Fed Tel Co-Req action 11;19 Fed Tel Co- Sug range. W 12;3
370066	11-20	To Phila Roller Smith Co-Fwds copy of schedule of Mfg Co 2;13	Asks recs re connection of potential leads of wattmeters on standard Navy Radio Switch boards covering points listed W To Roller-Smith Co. Gives requirements of wattmeter potential windings 12-10 Roller Smith Co. Submits rep. of Watt Meter connection 12/13 To Inspr Beth- reqst Roller S meters be progressed to insure shipt to radio contr 3-4 To RS Co- re aove- 3-4

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SWITCHBOARD & INSTRUMENTS : RADIO

Number.	Date.	From or To—	Subject.	
332522	SEE CARD	26	To NY Reqts that all radio frequency ~~ammeters~~ instruemnts received at Yd with burnt out elements be be fwded to Weston Elec Co for refitting with new type heating element W To Roller Smith Co. Re spare thermo elements for radio frequency ammeters 12/3 Roller Smith Co-Asks if thermo for ammeters shall be inter-change. W 12;4	
368326	1;2	Thwing Ins Co	Fwds copy of catalogue.	
374059	12;2	Electros Mfg Co	Instruction of moulds for production not cov, under way, will sub samples on. To Crocker-Wheeler Co. States that Electrose Mfg. Co. has been instructed to proceed with the production of terminal blocks 12-7 To--- Fwds. blue print copies of Drawing 12-7 To ------ RE their let of 12-11-understanding re making of terminal block sets correct 12-24 Electros Mfg Co 12;26	
374610	12;4	J G Biddle	Asks range desired for sig which will offer. W To---- States Laboratory at Wash. needs thermo souple instrument. 12-7	
375207	12;5 return of instrument 5-15	West E & M Co	Sub infor of type W with Navy spec, req waive accept test by New York. W To--- Confirms verbal statement instruments furnished to Federal Tel.Co. will be satisf.12-10 To Westinghouse Co- reqst instructns rel to	
357214	12-9	To Weston Elecl Instru Co-	RE scources of supply for radio frequency instruments Weston Elec Co 12;10	W
357214	12-10	To GE Co.	Re obtaining drawings of radio frequency ammeter.	
357215	12-10	To Roller-Smith Co.	Re radio frequency instruments. To Federal Telegraph Co- Will amend contract to cover additional cost 1-10	

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[OVER.]

SWITCHBOARD & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
349401	9;14	Phila	Fwds prints, receiver transfer switch.	
349286	9/17	To Palmer El.& Mfg.Co.	Reqtd. fwd. catalogue & des.literature. W Palmer E M Co-Fwds literature covering switches.9;21	
313881	6/8	To NY	Radio tel send and receive switch sphere type lists abstract form PE NN W	898
351289	9;21	N O Tel	Asks if motor generator in radio panel shall be removed, and installed in engine room panels To---- (T). Install all rad. motor gendrators Simon in engine room. 9/26	
352625	9/27	To Weston Elec. I.Co.	B. Has need of rad. frequency ammeters to be used as indicated on attached diagrams. 9/27	
354777	10;2	NY	Charging panels type SE 839, reports wrong markings on, fwds prints. W	
332522		See CARD 25	To Weston ECo. States will have contract amended. 10/4	
SEE CARD 27	New York - 11;8 To Firms- Will require all thermocouple radio frequency ammeters be supplied with thermo elements to permit repair in event of burning out 11-20 To Roller-Smith. Replying to let.of 12/4. 12/7		To Phila. Reqts. that report on ~~fixture~~ failure of radio frequency ammeters in service be expedited. 10/5 Roller Smith Co- 11;29 Weston Electric Co. Oct. 11 To NY- In re failure of above 10-14	
338904	10;18	MI	Phila- 10;25 Fwds sample of tape used in test.	

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Number.	Date.	From or To—	Subject.	
358472	10/14	Walter Bros. & Haviland	Inquiry from Marconi Co. covering control equipment by transmitting sets. Asks if starter transfer switch panels are to be started from hand starters	W
		Indust Control-Sub new data with prints. 11;4	To Industrial controller Co- In re above 10-21	
357015	10-16	To NY	Contrary to specfs switch bd charging panel metrs-manf by Hickok Co equipped with Westinghouse meters- asks which type critism is directed	W-L
		board	NY-Sub report of test of D C switchboard and instrument. W 11;15	
			Fed Tel Co 1;3	
359002	10-17	To S&A	Reqts shipmt from Wash to Aberdeen Scotland 12 Battery charging panels	W
359003	10-18	To S&A	Reqts shipmt from Wash to Queenstown Ire 30 battery charging panels	W
361141	10/21	Norf.	Fwds report of 30 W. Arc to Spark remote control transfer switch	W
360650	10-23	Weston Elecl Instrument Co- Asks quantity of palitnum used in constrn of thermo couples and heating elements for radio frequency ammeters		W
			Weston Elec Instru Co submits list of weights of platinum 10-28	
362301	10;25	Cutter E & M Co	K C Co order for circuit breakers shipped by express 10;7 complete shipment 10;23	

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Number.	Date.	From or To—	Subject.	
332027	7;30	Phila	Modifications of Marconi receiver switch, fwds prints with comments. W	
329269	7/25	To Com Boston Ind Mgr NY	Asks report on mechanism of gaps & switches	898
332522 See CARD 26	8/3	To Firms	Reqts. report on change in construction of rad. freq. ammeters. R	
		To Ind.Mgr.& Com. Re failure of Rad.Frequency Ammeters. 9/19	West Elec Co - Fwds prints and detailed report W	
		West E & M Co-Sub infor re new price on apparatus. 9:25	West Elec Co- Req action 9:13	
		Ny-Fwds rep of radio fre. failure	To Weston ElCo. States that unmounted type of Thermo Couples should be supplied. 9/19	
332070e	8/5	Fwd. 2nd Dist.	Re charging panels for radio auxiliary storage batteries. W	
326620	8/7	To Marconi	Reqts. reply to let. of 7/31. W	
334501	8/7	To Phila.	Reqtd. that herafter only standard sheets be employed for rad.tel drawings W	
			Phila. 8;14	
334513	8/8	To GE Co.	Retd. to fwd. set of descript. bulletins.W	
			GE Co 8/16 - Will fwd descriptive bulletins - W	
334579	8/8	To NYK.	Autho. the installation of rad. tel. equipt. at Rad. Lab. NYK.	
335259	8;6	Marconi Co	Sub information in connection with redesign of type I antenna switches.	
			To NY. Reqtd. that operation of modified switches be tested at NY. 8/10	
			New York -. Reports on defects W 8;22	
			To Boston. States that NY has reported favorably on modifications. 9/9	

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SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.
335680	8;7	Westinghouse E M Co	Reqst information as to specification of instruments for radio use fwd. W To—— Copies of specificat. will be fwd. when draft completed. 8/12
335156	8/10	To S&A	Reqts. shipt. of radio apparatus from Phila. for & to Roller-Smith Co. W To S&A Reqts. shipt. of radio apparatus from Phila. to & for Roller-Smith Co. W 8/14 To Roller Smith co- Asks that they ack receipt of above 10-15 Roller Smith Co 10-24
340145	8;20	West Elec Co	Spec of radio instruments, amendment will be taken up in Washington. W
344653	8;30	Inspr Brooklyn	Ward Leonard Co shipped 38 rheostats which should take care of London requirements. W
345436	9;4	Fisher Chase Mfg Co	Fwds descriptive pamphlet showing tubes and reconnecting switches. W
346434	9;7	New York	Fwds photo ground switch. W
338904	SEE CARD 26		

SWITCHBOARDS & INSTRUMENTS. RADIO

Number.	Date.	From or To—	Subject.	
325295	7;10	Philadelphia	Fwds copy of report of test in signal pole, switches and rheostats. W	
324741	7/11	To Weston Elec.I.Co.	Reqts. to honor order of Simon. W	
325477	7;3 7;10	Radio Apparatus Co New York	Requisition covering remotors controll antenna wire, reqst authority. W	
326146	7;12	Cutter E M Co	Fwds list of radio circuit breakers ordered. Cutter E M Co - Fwds list of circuit breakers ordered 8;14	
325121	7/15	To Driver-Harris W.Co.	Asks to do utmost to meet promised del. date. W Driver-Harris Co 7;18 To Roller-Smith Co. Driver-Harris Co. promise to ship 7/25. 7/24	
325844	7/15	To NY	Encl. copy of let. re installation of switchboards. W New York - Reqst vandykes. 7;26 TO NY. Fwds. vandyke of drawing. 8/10	
326820	8/13	To Marconi	States that let of 7/31 was re defective antenna switches	5 KW 903

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SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
326371	7;12	Norfolk	Cutler Hammer fwds report of suitability test of. W	
326820	7;11	Phila	Sub report of defective antenna switch shipped to Cramps Co for destroyer 113 and 118 W To Marconi. Re complaints from van Yards re defects in antenna switches. 7/19 To NY Fwds. copy of let. to Marconi of 7/19. 7/19. To Marconi. Asks what steps taken to eliminate sparking on 5KW antenna switches. 7/31 Marconi Co - TEL Letter of 7;31 not rec. W	
325434	7/22	To Rad. Apparatus Co.	Author. to manf. details 63A & 64A. W	
328487	7/22	To NY	Author. to purchase 50 sets of remote control equipt. W	
331282	7;22	Phila	Confirms tel conversation in connection with kind of delivery of masts switchbox. W	
331079	7;28	Second Dist	No charging panels available for radio ship installation, reqst specifications covering	

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SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.
318863	6;19	G E Co	Two letters fwd drawings covering various circuit breakers. W
319576	6;22	Condit Elec Mfg Co	Air circuit breakers will be shipped to Philadelphia 6;24 for test. W Condit Elec Co 7;10
319240	6/21	To Phila.	Rects. 8 sets blue prints of listed switchboard drawing. W
316447	6;21	Trumble Elec Co	Fwds vandykes. W
317909	6;19	To Marconi	Fwds blue print copies of specifications. W
317910	6;19	To Walker Bros. & Haviland	Fwds one copy of specifications. W

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SWITCHBOARDS & INSTRUMENTS: RADIO 1918

Number.	Date.	From or To—	Subject.	
317011	6;21	To Firms	Re revised specifications on switchboards and radio frequency meters. W Splidorf Elec Co. - Fwds specification prints, etc. W 6;28 Western Elec E & M Co. - Fwds specifications. W 6;29 Weston Elec Instr Co 7;26 To Weston Elec. Inst. Co. Suggests their representative come to Wash. 8/6 West E & I Co 8;14	
322238	?	? 731-1	Reqst approval of their type K-2 air circuit breakers. W	
321754	~~EXZZSX~~	6/28 New York	Received switch type submitted by Marconi Co not considered sat. W	898
312456		See card 22	To Brook. Gives list of companies who have rec'd defective Weston meters. 7/2 Inspr Brooklyn - 7;5	
321920	7/2	To Phila.	Reqts. 3 vandykes & 3 blue prints? W Fwds prints - 7;17	
323784	7;3	Phila	Fwds prints of radio switchboard.	
325769	7-10	Boston	Confirms tel conversation relative to master control box and switches.	876

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[OVER.]

Number.	Date.	From or To—	Subject.
311926	5-29	Cutter E&M Co	Fwds blue print showing single pole overload and no voltage circuit breaker. W To Cutter Elec & Mfg Co- 6-7
312456	6-3	To E J Simon	Rqst info in re to failure of switchboard and panel instruemnts-W E J Simon -submits percentage of rejections of meters from Westn El cl Inst Co 6/10 E J Simon - Fwds copy of rejection report. W 6-15
See card 23			
		To Weston E I Co. Re rejection of panel type instruments. 6/18. To Brook. Reqts. that representative sent to Weston Co.6/18 To Weston E.I.Co. Reqts. report giving % of rejections. W2 6/19 Weston E.& I. Co. Weston Elec Instr. Co 6;20 Inspr Brooklyn 6;20	
312487	6-3	To Wireless Specialty Co-	Roller Smith Co Ask when will go to Beth 6;14 Sub. report on condition, strike threaten about 7;1 W Rqst info in re to failures of instruments bought from Roller Smith Co- W Wireless Sp Apts Co-Fwds copy of letr to Roller Smith Co in comm w defective meters 6/11 To Wireless S.A.Co. Roller Smith Co. promises expedite dels. 6/27
312647	5/31	9th Dist	Ask if Bureau can furnish underload breakers for use in c nstrn of improvising charging panels - W To 9th-10th& 11th Dists-in re above-6-7
313311	6-3	F Lowenstein	Request authority to alter size of parts of switchboards shown on Bureau drawings. W To Lowenstein Above satisf. W 6/13
313036	6-5	To Western Elec Instrument Co.	Ask best shipment s can make in re instruments being made for 1 KW radio sets-W Western Elec Instr Co. states instruments on Sims order did not comply with specifications. W 6;7 To Weston Elec.I.Co. Reqts. that expedite work on Simon's order for 1K.W.sets. W 6/12 Western Elec Instr Co. reqts at leaset 60 days before making first delivery on order. W
316447	6/17	To Trumbull EMCo.	Reqts. 2 blue print copies of swicth. W

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SWITCHBOARDS & INSTRUMENTS : RADIO 900

Number.	Date.	From or To—	Subject.	
T313230	6-6	To Inspcr NY Ship	Battleships 43 to 48 inclusive- interior communication-switchboard- will issue new type plan- L To Inspcr NN Ship Co- Ditto-6-6 To NY- Ditto--6-6 To Mare Island-Ditto 6-6	
313652	6/5	William Bros & Haviland	Fwds copy of letter to Radio Laboratory, Phila in connection with tests of rheostats and clapper switches stating give no f rm with specifications covering - W	
314352	6;5	Boston	Confirms tel conversation, reqts authority to remove hand operative antenae switch from destryers and install havy standard switch. W	
313564	6-7	To Condit Elec Mfg Co-	Further action is withheld pending results of tests of several breakers-W	
313560	6-8	To Brooklyn	Radio Tel low voltage breakers for battery charging panels --reqst report submitted to Bureau	882
304300	6-13	To Allen-Bradley Co	Asks if carbon type rheostats will be submitted for test. W26	
315451	6/10	N Y	Distant control switch being designed at N Y-ask if Bu wishes work continued. W To NY Reqts. to complete the 6 distant control antenna switches. 6/24	

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[OVER.]

Number.	Date.	From or To—	Subject.
305869	5/10	Walker Bros & Haviland	Rqst arrange for test of automatic radio starter at Radio Lab Norfolk. W
304512	5/6	Belmar	War reception at Brown Harbor and Chatham-- submits report.
307049	5-16	To Phila	Switchboard photos-Rqst views latest type-W Phone Phila. Re-plan for switch panel. 6/18
307147	5-17	To Phila.	Rqsts test of Clapper Switch for use on standard radio panels, W Phila 6/10
306930	5-20	To Firms To Appleton Elec Co-You will receive from S&A proposal calling for 2500 boxes and switches of each type-as on drawing RE 23F 118B fwded Lists requirements- If not awarded contract rqst return of blue print- To Cole Metal Co- 7-3 6-6	Desires estimate and dely date of boxes and switches- specis as listed W Elec Industries Manuf Co - Fwds prints. 5-23 Triumph Elec Co. W 5-24 To Firms- Gives requirements of above boxes as listed 5-31 Cole Co. have taken over Natl. Metal & 5-25 Sprague Elec Works - fwds prints and estimates - 5/28 Bryant Elec Co 6/5-submits quotation
309093	?	Cutler Hammer Co	Radio control apparatus type plan and specification for approval, line switch omitted, fwds corrected plans. W To Cutler-Hammer Mfg Co- Staring equipment officially approved as listed- 6-7

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SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
308570	5-23 Ward Leonard Co 6;6	Ward Leonard Co & Firms	Asks information RE standardizing of circuit breakers 5-22 To Cutter Elec Co- contemplated modifications do not apply to existing contracts-6-4 To Ward-Leonard Co- 6-4 Westinghouse E & M Co - fwds sketch showing circuit breakers, with comments 6/6 - W	
309275	5-24 Marconi Co - Fwds print of sig improvement. 7;22 To---- States change desired in drawing 7/29	To Marconi Co	Bu has prepared plans for installing a master control circuit on merchant vessels Comment on-Ask Marconi to submit drawing-W Marconi Co-will submit comments later 6/7 To---- Desires definite steps taken to develop the transformer master control box. 6/24 Marconi Co 7;2	
310083	5/25	To Boston	Marconi type "I" Antenna switches-unsatisfactory service-due to dangerous brush discharge-rqst review this subject-5/25 To NY--Ditto 5/25	875
310085	5/25	To Marconi Co.	In re to type "I" Antenna switch-would like remedy for problem.	875
282613	SEE CARD 18		Gives information re method of determining temperature rise of smmt clapper coil on starter 5-27	
310108	5-27	To GE Phone	Will be able to make flush type meter in all ranges specified	W
311522	5/28	Weston Elec Instrument Co	Standardization of radio instruments - submits recommendations, also reports in detail relative to output, etc - W	

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[OVER.]

SWITCHBOARDS & INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.
298180	4/18	To Trumbull Elec Co	Reqt Vandykes showing battery charging switchboard for naval auxiliary radio sets. W Trumbull Co 4-22 Trumbull Elec Co - 4/29
298580	4/18	To Phila	Reqt for prints of switchboard photographs.W Phila 5/6 Fwds bluepts of radio switchbds. W
299334	4/19	GE Co T	Request copy specns covering switchboards.W To--Fwds specns.4/22 Insp GE - Acknowledges receipt of specifications. W 4-26
300586	4/23	Weston Elec Co	Understand Model 372 in stock will be satis.W Weston Elec. Co-In re specifications and prices quoted in the requisitions-4-25
301450	4-25	GE Co	Fwds copy of letter from Roller Smith, requesting government contract and requisition numbers for portable radiation ammeter.W To GE Co- Shipment of instrument scheduled for June 1st--5-10
301734	4-29 5/6	To Roller-Smith Co Roller Smith Co.	Asks to expedite meter on order of GE Co- Shipment will be made June 29.
302938	4-30	Roller Smith Co	Internat'l Radio Co have placed order for ammeters. To Rolle- Smith Co--5-6
300570	6;19	G E Co	Submits information reqts.

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SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
304466	5/6	Walker Bros & Haviland	Automatic and hand starters for radio switch panels. fwds plans, etc. W	
304243	5/3	GE Co	Company understands Bureau has sufficient information to revise specifications covering switchboard instruments. L	
304300	5-8	To Norf-	Radio Tel- Carbon Type Rheostats-W Norf - apparatus not recd - 6/1	
305017	5-9	To NY	Reqts that circuit breaker be tested and report made at early date New York 5;14 reqts. copy of specification. To NY- Fwds specifications-5-18 New York - Fwds report of test of circuit breaker mfg by Ward Leonard Co. 7;10	W
305478	5/8	Norfolk	Fwds bp showg 10 kw remote contl antenna switch-duplicate reception type. W Norf - Request action 6-15	

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SWITCHBOARDS & INSTRUMENTS: RADIO. 1918

Number.	Date.	From or To—	Subject.	
288739	3/16	To Crouse Hinds Co	Fused back connected sample switch. Comments on improvements that could be made in. W Cruse Hinds Co-can comply with specns with few exceptions.W To--Disappys use of copper plated steel spring washers. 4/16	
290937	3-18	Belmar	Elimination test. W	
290612	3/2	Phila	Switchboard drawings confirms telephone conversation.W	
293591	3/29	Ward Leonard Elec Co	Field rheostats-fwds duplicate forms giving data.W	
294359	4/1	F Lowenstein	Angle iron frame to switchboard-reqt info.W To--4/8	
		Norf - fwds report of suitability test of automatic starters manfd by Indstrl Controller Co 5/23W		
295373	4/5	Walker Bros & Havelin	T Request permission to ship radip panel, quarter switches and field rheostat for switches.W Walker Bros & Havelin-asks what yard to fwd switches for test.W To--Directs submit apparatus to Lab Phila for test.4/12 To---Material passed test. W 6/20	
		5/6 Walker Bros & H-switches shipped by Ind Cont Co to Phila for test.W To Phila- Rqst test of apparatus submitted by Walker Bros & H-5-11 To Norf-Rqst test of starter submitted by Walker Bros & H --5-11 Phila - 6/3-		
296031	4-5	Phila	Forwards switchboard drawings. W Phila - W 5-24 To Phila- Type numbers assigned to switchboards- 6-7 Phila. Fwds prints. 6;21	
286702	3/11	To Phila	Reqt Vandykes of certain drawings. W	876

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SWITCHBOARDS & INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.	
289963		CARD 18	E.J.Simon 4-9 F Lowenstein. 5/4	
297493	4-11	Condit Elec Mfg Co	Forwards photographs of their circuit breakers for radio switchboards. W	
296404	4/11	To Western Elec Co	Reqt one caoilliograph with all attachments. Ask price and delivery of. W Western Elec Co--4/22 Fed Elec Co. W 4-25	
297644	4/12	Weston Elec Inst Co	G E Co. submits sub. quotation on standard Batteries-requirements of-350 model 425 thermo ammeters and 350 model 301 ammeters states will endeavor to mfgr by June 1st.	oscillo- graph e- quip.Sub. recom. restand. acces.5;11
299018	4/17	Cutter Elec Mfg Co	Fwds copy of tags containing instructions for overcoming difficulties as to method of connecting reversal circuit breakers in to the circuit.W	
292613	see card 18 To Norf-Fwd part of test in re shunt clapper coil on 5 KW Starter--5-8 Norf - Submits report of rise and fall		Norf-Walker B ros & Havelin-5 kw radio equipment-submits report on suitability test.W Walker Bros and Havrlin--4/19 Norf - Fwds prints. W 4-26 in temperature.of automatic starter. 5-17	

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SWITCHBOARDS AND INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.
282613	2-16	Walker Bro & Haviland.	Requests their name be added to approved list of furnishers of starters.
W&H-T-A[illegible] sets will not be satisfactory. W - 3-14 SEE CARD 21	Walker & Haviland-W. 3-4	Walker Bros & Haviland-NY yard states their starter is set-will deliver data on the prints, etc to Norf. W 2-28	To--Reqt complete list of drawings photos, etc.2/23 see card 19 To NY Norf--Reqt rec re various types of starters supplied by this firm.2/23
	To Walker Bros & H--3/2 NY - Information request previously given. W 3-4	Norf-3-8	NY-Gives number of Thermometer Controller Co's motor starters that have been supplied with OVER sets during the past year. W ~~Walker Bros & Haviland~~
284365	2/26	T o Phila	Test of switchboard instruments. Fwds copy of report of. W
281942		CARD 17	Cutter Co - Are propelling special tag, with instructions to cover each circuit breaker. W
285361	2-27	Washington.	Charging panel for Edison Storage Batteries submits sketch of proposed. W. 882-1.
285073	2/28	To Crouse Hinds Co	Fwds specns covering requirements for knife switches for use on radio switchboards. W
285498	2/26	Phila	Standard switches - fwds prints for approval - W Phila-3/22
287030	3/5	Crouse Hines Co	Request opportunity to bid on radio switchboards. W To--3/15

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Number.	Date.	From or To—	Subject.	
287651	3/8	Phila	Drawings for 2 and 5 kw 125 volt radio switchboard-fwds print.D	
		Walker Bros & Havelin-reports delivery	ing radio starter to N orf for test.4/8	
282613		OVER	Walker Brothers & Haviland-Forwards data on starters. W 3-6	
		To Wireless Improve Co--Detailed comments on.3/19	Walker Bros & Haviland - Quotes action taken.W 3-12	
		To Liberty Elec Corp--Ditto.3/19	To Walker Bros & Haviland--3/13	
		Walker Bros & Haviland-Report shipmt of starters to Norf Lab'y.W 3-19	To NY--3/15	
		NY - 4-6	To walker Bros & Haviland--3/15	
		To Norf--4/12	To Walker Bros & Haviland--3/19	
289252	3-12	Phila	Radio switchboards - forwards drawings. W	
289003	3/14	To Western Elec Co	Fwds prints giving details of various combinations of standard forms of action cut out switch blades, with comments on. W	
288996	3-14	To NY	Rating status of distant control antenna switches designed at NY. W.	875.
289966	3-15	Cutler Hammer Company	Control apparatus for motor generators - forwards plans. W	
			To Norf--3/22	
			Norf-Recommends approval of certain starters, etc.W 4-4	
289962	3-14	NY	Starting panel metal inclosing cases for - recommends be not required. W	CARD 19
		Norf-Starting panel-recommends metal inclosing cases be omitted.3-29	To Norf--Fwds above for comment and rec.3/22	
		To Firms--Auth use of automatic starters, hand starters and starter transfer switches without metal enclosing cases on spark transmitters. 4/6	To NY. 4/6	
		Liberty Elec Co-switches and starters will be inclosed.4/9		

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SWITCHBOARDS AND INSTRUMENTS:RADIO.

Number.	Date.	From or To—	Subject.
269849	12/26	~~Gould~~Ward, Leonard Co	Reverse current ~~signal~~ single pull circuit breaker for use radio station-states are in position to accept orders for prompt delivery.W Fwd NY--1/10 RB 1-22 NY fwdsprints andphotographs 1-21
269027	12/24	To Firms Yards Signal Corps To F. Lowenstein--Fwds prints.2/26	Fwds specns for switchboard instruments and radio frequency ammeters. W Sangamo Elec Co 12-29 To-- Kilbourne & Clark Co 1-4 F. Lowenstein 2-6
270330	12-27	Kellog Switchboard & Supply Co	Request names of suppliers that are furnishing Navy with radio apparatus.W To--~~Lists manufrs.12/31~~ To--3/1
275141	1/21	To Weston Elec Inst Co To Bu Standards--Fwds corres and asks what action wish taken.2/15 Bu Stand-no record of placing order with Weston Co.W	Reqt cost of galvanometer. W Westinghouse Elec Instr Co - W - 1-24 To--Comments on.1/31 Weston E I Co - 2-8 - W
276044	1-21	Bost Bost-Antenna switch-fwds drawings.W 2-22 To Bost--Lists antenna switches auth.3/6	Design of new antenna sending and receiving switch for 1/2 kw transmitter - fwds prints. W To Bost--Directs test switch for use with 1 KW spark transmitter. 2/8 To Bost--Assigns type number to drawings.2/12
277539	1/28	Marconi Co	Circuit breakers for one K W panel type transmitters - W To--2/8
277934	1-28	Phila	Radio transmitting switchboards; request reply to various of their letters.W

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SWITCHBOARDS AND INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.
278101	1-29	Cutter Elec Co	E. J. Simon - states are intending to use Westinghouse type for circuit breakers on 1 kW radio sets. W To--Gives action .2/12
278581	1/31	NY	Circuit breakers-Ward Leonard states have submitted improved type-states test satisfactory-recommends be put of approved list.W To Ward Leonard C o--Reqt complete drawings of apparatus.2/14
		To NY--2/15 Ward Leonard Elec Co--2/15 To Ward Leonard Co--2/21 Hartman Elec Mfg Co-fwds drawings and photos.3/25	
278420	2/2	To NY Hartman switch.3/21 To Hartman Elec Mfg. Co--Submits report of test received fr m NY. 3/21 To Betts & Betts--3/21 Hartman Elec Co-3/28	Cut out switch for use in charging battery. Reqt make test and submit report of Hartmann Elec Mfg. Co's product. W NY - Reports on test.W 2-21 To NY--Comments on.2/27 NY - Reports on additional tests. W 3-12
278503	2/4	To Firms	To Trumbull Elec Mfg. Co--Gives action on use of Hartman Co--4/2 Fwds copy of specns applying to switchboard and radiation instruments. W
279324	2/4	Norf	2 kw hand and automatic starters submitted by Ward Leonard Co submits report on suitability test.W
		To Ward Leonard Co--3/22 Ward Leonard Co - Request instrns re making drawings. W 5-1 To Ward Leonard Elec Co. Desires photos etc of starters without boxes 5-9	To Ward Leonard Co--Fwds copy of report of test with comments on.2/8 Ward Leonard Elec Co-2-16. Norf - Submits report on test of.W 3-5
280554	2/9	Metropolitan Elec Mfg Co	Fwds catalogue-switchboards,etc.W Metropolitan Co - fwds catalogues 2/9 - W
280799	5-29-17	Cutler Hammer Company	Automatic motor starters for radio panel.W
281942	2-14	NY	Current circuit breakers will operate satisfactorily with 133 Ohm resistance now provided. W
		To NY--Auth use of Cutter Co overload and reverse current circuit breaker.2/19 To cCutter E&M Co--Gives action.2/19	

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CARD 18.

SWITCHBOARDS AND INSTRUMENTS: RADIO. 1917

Number.	Date.	From or To—	Subject.
261774	11/19	Cutter Elec & Mfg Co	Reverse current circuit breakers for radio panels; fwds plans of proposed.W
261929	11/19	NY	Switchboard fittings-fwds.W
262494	11/22	To Phila	Drawings of standard radio transmitter switchboards. Reqt list of drawings in advance. W
	To Phila- 6-7		Phila 12-6
	To Phila-Ask when prints rqsted in letter 6-7-18- Will be completed- 7-3		To Phila--3/8
			Inspr Phila--fwds prints.3/18
			Phila Navy Yard - Fwds prints. W 6:25
262671	11/22	Cutter Elec & Mfg Co	Circuit Breakers-quotes price and fwds prints.W
262974	11/23	E.J.Simons	Antenna switch indicators - fwds.W
263171	11/23	Wireless Spec Co	Lower terminal boards; confirms telephone conversation.W
263322	11/22	Norf	Radio magnets-hand operated antenna switch-fwds prints.W
	To Norf--Constrn of switch auth.1/10		To--Ask status of tests.12/20
			Norf--12/26
263750	11-26	Phila	Standard switches; fwds yandykes.W
			Phila - Request action. 2-25
			Phila-Reqt action on letter of Feb 26.W 4-9
264236	11-27	Cutter Elec Co	Fwds samples of special nameplate.W
			To--Satis.12/1
			Co 12-12

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SWITCHBOARDS & INSTRUMENTS. RADIO. 900

Number.	Date.	From or To—	Subject.
264558	12/3	To Walker Elec Co	Reqt estimate price for supply of switchboards as per plan enclosed.L Co 12-4
265301	12/5	Trumbull Elec Mfg Co T	Battery charging panels request be furnished with drawings in order to submit proposal.W Co 12-6
265716	12-5	Ward, Leonard Co	Request names of probeble bidders on radio switchboards in order to properly quote.W To -12/22
267293	12-13	Phila	Radio transmitting switchboards; request action on their letters of Oct 23, Nov 25 and Nov 10.W
241457	SEE CARD 12		To Phila--Assigns type number to 1 KW panel.12/14 Phila - Fwds plan.W 2-26
266910	12/14	To Weston Elec Inst Co	Specns for switchboard instruments. Shunts for DC ammeters have no provision for attaching them to back of switchboards. Reqt revision of specns to cover. W Co 12-27 Co 1-26 To--1/5
268379	12/21	To Weston Elec Inst Co To Roller Smith Co	Fwds specns applying to all switchboard and radio frequency meters. W Weston Elec Instr Co--fwds prints and recommendations.1/2 To Roller Smith Co--Fwds specns.1/5 Weston Co 1-17

To--Comments on proposed change in in wooden bases.2/2
Weston Co 2-6

To Roller Smith Co--Fwds copy of specns.1/9
To Weston Elec Inst Co--1/9
To Weston Co--1/18
To--1/24 To S&A--Reqt. amend contr 921 1/24 Weston Co 1-26
To--1/31 Weston Co(2 letters)1-31 To Weston Co--2/5

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SWITCHBOARDS AND INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.	
252885	10/3	Marconi Co	Fwds vandyke of wiring diagram for 1 and 2 kw radio room panels for auxiliary sets.W	
253402	10/2	Phila	Modifications in switchboard; fwds print.W To—Appvs change.10/25	
253366	10/8	To NY	Reqt for drawings of antenna send-receive switch..W NY fwdsprints 10/22	
254437	10-11	Weston Elec Instr Co	Switchboard Instruments for radio panels; fwds prints showing summary of those approved for standardized radio panels for Bu SE	893
255628	10/19	To Phila	Specns for switchboards, and switchboard instruments. Fwds. W	
255628	10/19	To Weston Elec Inst Co	Fwds portion of revised specns for switchboard instruments. W	
255831	10/20	To Cutter E&M Co	Reqt expedite delivery of circuit breakers to K&C Co, Seattle, Wash. W To—Gives actionLo.31 Cutter Elec Co 11/2 To K&C Co—(T)Satis arrangts covering payments not made. Reqt action taken. 10/23 Kilbourne & Clark (T) states will make any arrangements with Cutter Elec Co regarding payments 10/26 To Pug Sd—Reqt action. (T). 10/27 Pug Sd (T) K&C state matter of payments adjusted with Cutter Elec Co 10/29	

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SWITCHBOARDS & INSTRUMENTS: RADIO. 900

Number.	Date.	From or To—	Subject.	
255831				
257075	10/27	Chasn R Chasn--(T)-No.10/30. To--(T)Ask if charging panels from Trumbull Co have been rec'd.10/30	Storage battery control panels for use on radio sets, FOOTE, ASTORIA, ECLIPSE and H.P.WILLIAMS; unable to obtain from Norf or NY; request instructions.W (T)Norf - cannot supply 10/29 W ~~To Norf--(T) Ask if can ship charging panels to Chasn immediately by express.10/29~~ Chasn-(T)-States authority charging panels not yet received.W 10/30.	
257312	10/27	To NY	Radio distant control switch, to be designed at NY. Instrns in connection with. W	
257675	10/30	Chasn T VOID	States	
258311	11/1	Phila To Phila--2/16 Phila-fwds print.L 2-26	Transfer switch, 3-way; request type number for plan.W To--1/10 Phila - fwds print - L - 1-18 Phila request action 2-7	
258707	11/6	To S&A	Reqt shipt of switches from NY to Aero Sta. W	
258703	11-6	To Fed Co	Antenna transfer switches. Reqt quota.on.W 875	
260598	11/12	NY	2-kw automatic starters and solenoid clapper switch furnished by the Industrial Controller Co states satisfactory.W To--Reqt more specific data re apparatus.11/22 NY blueprints, photographs and descriptive matter; fwds 12-8	

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SWITCHBOARDS AND INSTRUMENTS: RADIO. 1917

Number.	Date.	From or To—	Subject.	
245424	8/22	NY	Fwds drawings showing change in wiring found necessary to eliminate motor field when line switch is closed.W	
245677	8/24	F. Lowenstein	Fwds copy of drawing made up of the Krantz Co contract 30863, for 75 2 kw switchboards.W To--Appvs.9/1	
246669	8/30	To Yards	50 add'l charging panals ordered from Trumbull Elec Co. Gives disposition of. W	
246693	8/30	To S&A	Recommend supplementary contr for 50 charging panels add'l from Trumbull Elec Co. Gives disposition of. W ~~RB-11/~~ S&A 11/14 ~~Fwd S&A--11/17~~	
247807	9/6	NY	Antenna switch, solenoid type; reports considerable difficulty experienced in contacts and recommends changes.W To--Reqt submit drawings.9/10	
248354	9/6	Phila	Confirms telephone call relative to radio switchboards on 1916 order.W	
239710	8/30	NY	NY fwds plans remote control for wave changer push button switch.	905

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SWITCHBOARDS & INSTRUMENTS: RADIO. 900

Number.	Date.	From or To—	Subject.
9 249163	9/14	To NY	80-volt radio switchboard on 1916 order. Ask if four have been received at Yard. W NY--10/4.W To NY--11/2
250345	9/21 GE Co fwds prints and gives comparisons GE Co and Navy rating of switches 11/7	To Yards	Standardization of swtiches of switchboards. Reqt detail drawings of all knife switches complying to Navy Specns. W Walker Elec Co can send data in few days 9/22 Walker Elec Co fwds print 9/29 Trumbull Elec Co fwds prints 9/27 Phila fwds prints 10/2 GE Co 10/5 NY fwds 78 prints 10/12 Westinghouse E&M Co fwds drawings 10/19
251607	9/28 F Lowenstein-reqt copy of apprvl of antenna rec & send switch submitted NY.1/12.Y To Lowenstein--Fwds prints.1/24	To NY	Drawings of 10 KW remote controlled antenna send-receive switch. Reqt fwd to Bu. W NY fwds prints 10/10 To F. Lowenstein--Fwds Vandyke of appvd antenna switch. 10/23
252009	9/28	GE Co	Switchboard panels; gives dates on which can ship for 10 kw sets for Lowenstein.F To--Acknowledges.10/4
252182	9/28	Wireless Spec App Co	Radio room panel for 2 kw sets; request information relative to location of amperemeter.W
252181	9/29	F. Lowenstein	Ammeter switches and voltmeters; calls attention to location of and fwds prints.W To--Comments on.10/26

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SWITCHBOARDS AND INSTRUMENTS: RADIO. 1917

Number.	Date.	From or To—	Subject.	
242920	8/9	To Phila	Recommended specns for switchboards and switchboard appliances. Fwds blueprint specns, for comment. W Phila fwds comments 9/2	
243297	8/10	Bost R	Transfer switch recommended for standard; fwds print.W To—Disappvs est.10/11	
243309	8/11	To Phila	Standardization of rheostats for radio transmitter switchboards. Reqt comment on. W Phila request additional data; fwds vandykes 9/9	
243310	8/11	To Cutter E&M Co	Will standardize on all circuit breakers supplied for use on radio switchboards. Lists those selected as standard. W Co fwds prints 8/16	
243311	8/11	To NY	Standardization of Clapper switches on radio switchboards. Reqt recommendations. W Phila will answer Sept 11th 9/2 Phila fwds vandykes 9/19 Phila clapper switches; fwds prints 10/5	
243682	8/12	Bost	Request authority to manufacture antenna sending and receiving switches for use in connection with patrol boats and submarines.W To—Grants auth.8/17	

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SWITCHBOARDS & INSTRUMENTS; RADIO 900

Number.	Date.	From or To—	Subject.	
243576	8/13	to Norf	Fwds preliminary copy of specns for switchboards and instruments. Directs examine for errors. W Norf recommends revisions 8/18 NY 8/30	
244510	8/17	Cutter Elec & Mfg Co	Relative to their receivers, current circuit breakers.W	
244511	8/17	Cutter Elec Co	Circuit breakers on various radio contracts; fwds copies of letters to various companies, giving dates on which will ship.W	
244796	8/18	Phila	Switchboards - fwds prints W	
244915	8/18	NY	Asks if intend to install line rheostats on vessels of the sub chaser type.W To 8/31	
245301	8/22	Bost T	Diagram of signalling and distant control; fwds prints.W	

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SWITCHBOARDS & INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.	
232482	6/8	To Amer R&R Corp-	Switches in accord with Drawing list 10250-A acceptable on the four 2 K.W. sets being manufd under contr/ 28774. W	
233997	6/15	Cutler, Hammer Co	Starting panels for switchboards; request instructions relative to modifying on M Is requisition 690.W To—Instructions requested.6/20 To M.Is.—Fwds copy of letter from company and Bu reply.6/20 To Norf—Ditto.6/20	
234805	6/21	To Cutter Elec & Mfg Co	Fwds prints of specns for D.C. and A.C. circuit breakers, for use with radio transmitters. Reqt all breakers now in course of manuf be made in accord with, wherever possible. W	
235391	none	Bost	Re design antenna switch "send and receive," fwds prints showing one developed.W To—A ppvs design.8/21 Bost 9/4	
236105	6/28	Phila	Radio panel; fwds photographs showing wiring arrangement.W	
236278	6/30	NY	1 kw inducted coupler and wave changing switch; fwds prints.W	
230132	7-17	Phila	Fwds report on Eled Controler Mfg Co's double pole contactor switch.	882-3

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SWITCHBOARDS AND INSTRUMENTS. 900

Number.	Date.	From or To—	Subject.
207758		CARD 10	Bost fwds print of a high tension switch for 10 kw spark and 20 and 30 kw arc sets 7/18
239297	7/18	Cutter Elec Co	Fwds prints showing overall dimensions and drilling templates on circuit breakers.W To—Comments on.7/27
239415	7/11 To NY—Re shipments of.8/28	Cutter Elec & Mfg Co	Reports shipment by express to NY of special designed circuit breakers for radio work; gives description.W To NY—Reqt report at once on circuit breakers. 7/20 NY fwds prints.8/4 Co request action 8/9 NY 9/9
239540	7/18	NY	Distributing switch for main and auxiliary antenna.W
239655	7/20	E. J. Simon T	States antenna switches delivered NY, 15 more will be delivered on the 21st.W
239724	7/21 NY 8-4 To Elec Controller C o—8/7 Kilborune & Clark Co 8/8 K & C Co fwds 3 letters 9/7 To K&C Co—(T)Drawing appvd.9/15 To K&C Co—9/17	To NY	Fwds blueprints showing elementary diagram of switchboard wiring for radio sets being purchased from Kilbourne & Clark Co. W To Elec Controller & Mfg. Co—Ditto.7/21 To Kilbourne & Clark—7/21 Elec Controller Co 7/23 Elec Controller Co, fwds sample of name plate.7/31
241457	7/31 To Phila—9/28 To Phila—Appvs drawing as standard.11/2 Phila understands Bureau developed type plans of switchboards 11/10 Phila request assignment of type number 12/7	To Phila	Switchboards for 1 K.W. quenched gap transmitters. Fwds drawings of. W Phila 8/28 Phila 9/11 To Phila—Ask when drawing will be fwded to Bu. 9/14 CARD 16 Phila fwds prints 9/20 Phila 11/14

NB—0720

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SWITCHBOARDS: & INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.
226880	544	Phila	Switchboards; fwds print.W
227136	5/9	To Weston Elec Inst Co	Ask whether drawings left at Bu by Mr. Cary, no longer with company, are to be considered as official copies. W Weston Elec Co states Mr. Cary no longer connection with company.W5/9
227674	5/10	The Cutter Elec & Mfg Co	Lists circuit breakers that will be manfd with the bump proof construction.W To--Submits new specns for circuit breakers.5/22 To Firms--Lists new specns for circuit breakers. Breakers being supplied by Cutler Hammer Co will be in accordance with and will be acceptable. 5/22
		To NY Phila--Fwds copies of corres.5/22 To Firms--Revises specns.6/9 To--Fwds copy of above circular.6/9	
227565	5/8	Wireless Specialty Apparatus Co	Switch board; combined power and battery charging panel for 3 KW sets - fwds prints of proposed W
227921	5/11	NY	Line rheostats for 1/2 kw transmitters; fwds copy of letter to Wireless Co's reporting adjustments necessary.W To Firms--Gives resistances and current carrying capacities, in revised specns for line rheostats. 5/17 To--Fwds copy of above letter.5/17 Marconi Co states work too far proceded with on 25 sets to change 5/19 To Marconi Co--Gives action taken.5/24 To Marconi Co--Revises specns.5/31

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900 SWITCHBOARDS: & INSTRUMENTS: RADIO.

Number.	Date.	From or To—	Subject.	
228786	5-17	To Phila	Reqt Vandykes of switchboard drawings be fwded to Bu.	876
230212	5/24	NY	Request marking for switchboard name plates.W To--Gives information reqted.6/7	
23 0341	5/24	G E Co	20 and 30 kw sets for Fed Tel Co, control panels for; states can save time by using 96" material and sawing in two, making panels 47-7/8 in lieu of 48"; request telegraphic authority.W GE Co T Asks if Bu will apprv 47-7/8 inch panels.W To--(T) 5/29	
231346	5/31	NY	2 kw radio switchboards; fwds criticisms.W To Phila--Submits criticisms.8/6 Phila comments 8/3 0 To Norf--Appvs install on MISS of switch.12/29	
231869	6/4 Norf 8/17	To NY	Reqt report re remote control antenna switch described in RN 3A 115A. W NY report on completion of test 6/27 NY reports on test 7/12 To Norf--Fwds copy of report of test, with comment.7/20	
		To S&A--Reqt s ipt of switch from NY to Norf for Dispo.8/30 Norf-fwds prints.12/14.W		
232112	6/5 Co 7/3	Cutter Elec Co	States manufacture circuit breakers for radio; asks quantity of each kind required.W To--Fwds blueprints, and gives other information reqted.7/2	
232630	6/6	Phila	Recommends Clapper switch for radio switchboard, furnished by Elec Control & Mfg Co, be placed on approved list for 2 kw radio switchboards.W	

NB—0120

[OVER.]

SWITCHBOARDS & INSTRUMENTS: RADIO

Number.	Date.	From or To—	Subject.	
217833	3/13	To Fed Co	Fwds b/p as listed showing schematically the desired general location and arrgt of appa on various power switchb ards for the three general types of sets. W	
215142	3/12	Chasn	Antenna distributing switch; plan	807
212494		CARD 9 To Bost--Reqt wiring diagrams covering install.3/28 To S&A--3 shipt requests of switches. 3/29	NY submitslist of ships ~~unfitter~~ not fitted 3/21 ~~Norf submits list of vessels not fitted 3/24~~ ~~To NY--Reqt manuf of 25 distributing swtiches for vessels listed. 3/28~~	OVER
219451	3-20	Marconi Co	Antennae send-receive switch, type J; examined by Mr. Hill; asks if will be satis to supply under contracts 28770 and 28772 and future orders. W. To--Detailed comments on.4/2	
207758		SEE CARD 9 Bost estimate 4/17 Bost submits est. 5/8 Bost submits estimate 5/24 To Bost--Appvs est.5/26 To Bost--5/31 To Bost--Appvs est.6/7 Bost fwds prints 6/7	To Bost--Fwds prints of Chasn drawings. Desirable to have apparatus so that mechanical control can be easily added at any time. 4/5 Bost standard antenna distributing switch; fwds estimate and plans 4/3 To Bost--Manuf auth.4/11 To Bost--Manu 25 high tension switches auth.4/11 To Bost--Appvs design as standard. Comments.4/16	CARD 12
221301	4/6	To F. Lowenstein	Fwds set of Vandykes for manuf of 2 K.W. Switchboards. W	
221302	4/6	To Marconi Co	Fwds complete set of Vandykes for use in manuf of 5 K.W. radio switchboards.	

N.S.E. Form 134.

SWITCHBOARDS AND INSTRUMENTS: RADIO. 900

Number.	Date.	From or To—	Subject.
212494		OVER	Norf recommends work LOUISIANA and NORTH DAKOTA be transferred new yards 4/6 Bost 4/12 To NY--Install on NORTH DAKOTA auth at NY.4/16 To S&A--Gives modified shipment order.4/16 To S&A--4/16 To NY--Ask when switches will be completed.6/2 NY gives reasons for delay in manufacturin g 6/9 To NY--Instrns.6 /13 RB 6-30
223090	4/13	F. Lowenstein	Switchboard design, Bureau requisition 14; invites attention to differences in details.W To Phila--Invites attention to differences indetails between drawing and spe cns.4/20 Phila. - comments 4/28 W Phila fwds copy 5/7
224224	4/17	Federal Telegraph Co.	Requests copy of prints for send-received-ground switches W
225331	4-27	NY	Fwds photograph of L antennae switch.W To--Ask when expected that Marconi Co will submit apparatus for test.5/4 NY reports on test; recommends with certain modifications 5/12
Phone	4/28	NY	Re signal switch on British merchantmen giving CO control of radio signal set. W
225409	4/27	Marconi Co	2 and 5 kw switchboards; error in drawing relative to depth of rheostats.W Fwd Phila--5/1 To--Comments on.5/1 Phila fwds report requested May 5th 5/8

To Marconi Co--Comments on changes.6/9

To Marconi Co--Antenna Switch submitted NY for test will be satis with changes listed/ 5/17
Marconi Co states have made changes and will forward print if desired 6/5

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[OVER.]

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SWITCHBOARDS & INSTRUMENTS: RADIO:

Number.	Date.	From or To—	Subject.
196275	8-11	To Bost.	Radio telegraph - antenna transfer switch; directs new design be submitted to Bureau for appvl. W
198234	8-31	Washn	Antennae switch received from NY for 1/2 kw set; asks disposition.W Fwd NY--9/6 RB 9/15 To S&A--Reqt shipment switch from Wash to NY. 9/20
198892	9-7	Bost	Antennae distributing switches; plans.
200339	9-25 NY fwds photographs of antenna switches 1/13	NY	Antennae distribution switch; plan.W To--Directs fwd Bost copies of all plans.12/11 NY antenna distributing switches; have forwarded drawings to Bost 12/27 To--Reqt photos mentioned in letter 9/25. 1/2
202582	10/17	To Phila	Provision for field discharge resistance in radio transmitter switchboards. Reqt this be added in future. W
203791	10-26	Norf	Remote control antennae switch; plan.W To--Appvs install of to conform with plan. Reqt full report after install. 11/1 To NY--Reqt modified vandykes.1/10 To Norf--Modifi auth. 1/4
204455	11-3 Phila 12/7 Phila 1/3	NY NY will modify and keep Bu informed 11/23	Antennae switch; plan.W OVER To--Appvs plan with recommendations. 11/7 To Bost NY Phila Norf--Reqt install of 11/7 Solenoid switches be modi to conform to drawing
204546	11-3	NY R	Transmitter panel; standard lug for; fwds plan.W To--Appvs plan. 11/23 To--Cancells appvl.Reqt further rec taking into consideration cost of machining of lugs. 11/25 To NY--Drawings not urgent. 12/8

N.S.E. Form 134.

SWITCHBOARDS AND INSTRUMENTS: RADIO. 900

Number.	Date.	From or To—	Subject.
204455		OVER	Bost submits estimates for removing, modifying and reinstalling solenoid operating antenna switches on VIRGINIA class 12/6
	Phila for CONN 1/3		To Norf--Reqt reply to letter 11/7. 12/13
	Phila SD CAR unable to furnish estimates; work not done at yd 1/4		To Bost--Appvs est. 12/13
	NY states drawings referred to were fwded 11/3, were retd acct insufficient address, remailed 1/9 1/18		To Phila--Reqt report and est. 12/15
			Norf submits estimate for alterations 12/23
207758	12-4	Bost	Standard type antennae distributing switch; fwds and reports on design of.W
	To--Appvs as standard. Instrns re procedure with manuf. 2/13		To--Comments on. 12/19
	To NY--Gives action with instrns. 2/14		To--Instrns re changes to be made in drawings. 1/10
	Bost est and plan 3-7		Bost fwds plans and comments 2/5 Card 10
	To--Appvs manuf of switches. 5/18		
208594	12-12	Phila	250 volt ac switchboard for 2 and 5 kw sets; fwds plans.W
210157	12-29	NY	Submits estimate and plans for lug for radio switch panels.W
211456	1-12	NY	Remote control antennae sending and receiving switch; fwds vandyke.W
212494	1-22	NY	Recommendations and prints for switches for use with auxiliary antennae: (Replies to 206462-131-6)
	To & Bost Phila Norf--Have appvd as standard for battleship install drawing RY 24F 128A. 3/9		To--Appvs. Reqt ests of manuf of 10 and 20 of these switches. 2/14 CARD 10
	Bost lists vessels not provided with 3-16		NY submits estimates and ~~dps~~ specifications 3/5
	Phila submits list of ships not fitted 3/17		NY fwds prints 3/8
216173	2-24	NY	10 kw solenoid antennae switches; revised estimate; original est on PENNA. W
			To--Est excessive. Reqt copy of drawing RY 24F 129A. 3/7
			NY fwds prints requested in letter of March 7th 4/10
			To--Comments. 4/19

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[OVER.]

SWITCHBOARDS: & INSTRUMENTS. RADIO 1916

Number.	Date.	From or To—	Subject.	
175770	1-8	NY	Antennae switches; transfer with 15 kw arc sets on cont 89; 1 issued to UTAH; 2 to San Juan; recommends balance be kept in store.W. To-- Appvs / 1/11	
179416	2-16	Bost	Antennae distributing switch; asks if yard shall prepare; design; NY has no drawings.W. Bost reqt action 3-16 Ref. NY reqs. data - 3-20 RB 4/18 To NY--Asks when prints may be expected.9/9	
	2-24	To S&A.	Phila reqn 458; radio switchboard instruments; rec as to award. W-R	
180847	3-6	To NY.	Reqt comment on remote controlled radio antenna switch in comparison with solenoid type now supplied by NY Yard. W NY remote control switch; reqt Norf design be sent to yard for test; fwds photo of experimental model deisgn.NY 3-25 Fwd Norf-- Auth manuf switch. 4/21 RB 5/3	
181051	3-4	NY	Submits estimate for modifying solenoid antennae switche. W To--Reqt copies of drawings mentioned.3/13 To-- Appvs estimates. 4/20 To--Phila reqtd to obtain one modified switch from for MICHIGAN. 4/26	
182211	3-20	NY	Solenoid switches for radio; fwds plan.W	
182992	3-22	Phila	2 and 5 kw set switchboard; fwds marked prints showing changes recommended. To--Appvs modifications. 4/1	

N.S.E. Form 134.

SWITCHBOARDS & INSTRUMENTS: RADO. 900

Number.	Date.	From or To—	Subject.	
183343	3-31	Washn	Spark wave changing switches; HH Clark submits proposed improvements and submits print. W Fwd NY-- 4/5 RB 4/12	
186034	4-26	Phila	Radio switchboards; specns for radio sets will require departure from standard switchb oard drawings; request instructions. W	
188357	5-16	Phila	500 cycle radio switchboard 2 and 5 kw; fwds modified prints for approval. W Phila (R) reqt action 5/27 To--notes changes desired; manf may be started immediately, revised drawings to be forwarded 5/31	
189284	5-27	Bost	Antennae distributing switches; fwds plan. W To--Comments on in full. 9/13 To--Reqt to know when drawing will be forthcoming. 10/21 Bost will mail drawings Nov 15 10-25	
190165	6-7	To M.Is.	Reqt copy of drawing 6215-R "Radio telegraph of antenna switch." W M.Is fwds print 6-16	
191074	6/26	To NY	Reqt drawing of solenoid operated switch contained data specified in letter	876
193005	7-6	Phila	2 and 5 kw swiatchboards; fwds plan. W To--Appvs with modi. 7/14	
194683	7/26	NY	Auxiliary antenna; standardization of leading coils and transfer switches for; fwds curves and recommendations	875

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[OVER.]

SWITCHBOARDS & INSTRUMENTS. RADIO. 1914

Number.	Date.	From or To—	Subject.	
127589	6/16	Arlington 314	Fwds sketch proposed transfer switch for high-powered radio station.W	
127590	6/16	Arlington	Transfer switch manufactured according to print A-17. Very efficient; recommends adoption for all high powered stations.W	
130940	7-25	NY	Radio switches; fwds vandykes; LW	
131735	8-5	NY	Salinoid operated antennae switch; reqt additional $100. for developing.W To---appd.8/8	
134100	8-27	VERMONT	Distant control switch for radio plant; fwds sketches and report on improved design by Ensign De Treville. W Fwd NY-- For its information. 9/11 Fwd Vermont-- For information. 9/21 Feb 9 19 Feb 10 19	
134787	9-18	NY	Remote control antennae switch; fwds print and estimate for manufacturing in lots varying from 1 to 20.W To-- Appvd. 9/21	
135569	9-28	NY 855-156	Antennae switch; fwds print and submits estimate for manufacturing.W To-- Appvd. 10/2	
135682	9-28	NY 2021-22	Plug boards for battle radio; estimate.W To-- Appvd. 10/2	
142370	12-12	NY	Transfer and remote control - fwds. print	876

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SWITCHBOARDS & INSTRUMENTS: RADIO. 900 1915

Number.	Date.	From or To—	Subject.	
144196	1-8	NY	Remote control antennae switch; plans.W To--Reqt what assignements have been made. 1/22 NY gives assignment 24; remaining 14 will be completed Mch 6 2-5	
144385	1-6	NY	Switchaes for battle radio installation; suggests changes.W To--Appvs changes in· 1/16 To Yards--For corres re above. 1/16	
150120	3-17	NY	Remote control; antennae switch; revised estimate. W TO -- auth 3-23	
151045	3-27	Phila	Wave lenfth changing switch; fwds print of design of Chief Elecn L.R.Damon; recommends adoption.W Fwd NY--For comment. 4/27 RB comments 5-28 To--Have fwd NY for comment. 4/27 Phila fwds print 5-4	
152434	4-14	Bost	Reqt insulation of antennae switch; reqt copy of Bu circular dated Oct 21, 1914. W To-- Fwds copy of letter. 4/19	
169262	10/23	Phila	Wave changing switches; fwdsplans	905
169320	10/22	Atl Flt	Reports improvements and details of wave changing switch of WYOMING.W	
169321	10/22	Atl Flt	Fwds drawing of connections for positive action antennae switches fitted on WYOMING; improvement over old type.W Fwd NY-- For comment and rec. 10/29 RB 11/11 To NY--Appvs recommendations. 11/13	
	To--Appvs rec· 11/13			
169537	10-26	NY	Switchboard; fwds plans.W	

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[OVER.]

SWITCHBOARDS & INSTRUMENTS. RADIO 1914

Number.	Date.	From or To—	Subject.
112274		SEE CARD 4	Norf 2-5 S&A.Feb 11 material removed from when tune shifters installed left on board ships. TO DELAWARE:LOUISIANA:NEW HAMPSHIRE:via At.Flt and SO:CAROLINA.material removed should be turned in at Norfolk yard; will be shipped from Norf to NY.2/13. Fwd S&A 2/13. DELAWARE material turned in Norf 3-19 SOUTH CAROLINA 3-18 To Norf.3/25. SOUTH CAROLINA'S fwd.Norf.3/25 RB 3/30
117745	2-12	NY	Wave changing apparatus; submits estimate for mfg shifters,etc.W Fwd Dept via S&A.adyisable to postpone mfr until redesign is completed; comments. 2/20. RB 3 12 Fwd NY.3/13. RB 3 25
117939	2-14	NY	5 kw gen tune shifter and transformer for; fwds print of proposed re design. W
117936	2-14	NY	Wave changer; fwds A sheets covering deisgn method of operation,etc.W For future correspondence on tune shifters see Tuners.
118429	2-16	NY	Fwds prints of switches for remote control antennae, wave length changing switch ND type. W
118958	2-27 3-3	Dept Commerce Dept	Steel mast; recd be erected on same site of old mast; disapproved suggested location.W VOID
121228	3-28	Lowenstein, F.	Recd New York be authorized to sell antennae transfer switches, lightning switches to be used on cont 20436 and 20615.W To---more satisfactory to modify different contracts; asks if satisfactory.4/3. Fwd Dept.rec contracts 20436 and 20615 be modified.4/3.
To---more satis.to provide mfr by Govt; asks if satisfactory(Secy's Sig.) 5/4.			

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SWITCHBOARDS & INSTRUMENTS. 900

Number.	Date.	From or To—		Subject.	
121848	4-4	NY	855-75	Proposed standard switchboard for radio tel set; tracing. W To---plan appd and returned.4/10. To---request prints.4/15. NY.4/20 fwds prints.W	
121939	4-8	NY		Radio switches; light, antennae and receiving, etc. Fwds vandyke. W To---request drawings.4/10.	
122558	4-14	NY	47-855-5	Radio Tel & Tel Co. Reqt permission to purchase antennae switch,etc. to apply to their contract for 5 kw sets.W Fwd Dept via S&A.rec contract be modified. 4/18 Feb 5 19 Fwd Dept recommendations 5-18	
123519	4-24	NY	28-372	Switches; insulation of switchboard,etc. b/p.W	
125807	5/22	Ward-Leonard Co.		Requests inspection and approval of a standard new automatic starting panel for radio sets.W To---necessary to submit to NY for test before approving.5/29.	
126315	6/2	Ward-Leonard Co.		Starting panels for radio sets; will submit to New York for test.W	
126645	6/29	NY		Submits additional estimate for manufacturing an antenna switch.W To--appd 6/8	

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[OVER.]

SWITCHBOARDS: & INSTRUMENTS. RADIO 1914

Number.	Date.	From or To—	Subject.	
114739	1-9	Clark, G.H.	New navy type wave changer switch; reports on installation on UTAH GEORGIA: DELAWARE: WYOMING.W Fwd NY.for consideration.1/14. RB 26	
114741	1-9	At Flt 79	Recommends tune shifters be installed at shore stations before fleet returns in spring.W Fwd NY. for comment and rec.1/31. RB 216 To NY.asks as to vessels and stations where have been installed.2/16.	
114558	1-7 void	Bost	Re tune shifters. W	
114901	1-8	At Flt	Recommends re installing radio tune shifters; reports on operation of automatic distance control switches.W Fwd Dept.comments.1/14.	
114984	1-13	NY 855-7	New tune shifter and oscillation transformer; reqt instructions re issuing b/p to radio manufacturers. W (R)to---instructions.1/14.	
18623	1/14	NY P.O.	Have amended to provide for omission of antennae switches at reduction $32. per set.	629
18623	1/10	Marconi Co.	Relative to shortage in protecting devices Reqt Bu. waive and agree to supply extra devices on contrats 232, 19812, 20035.	629

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SWITCHBOARDS: & INSTRUMENTS. 900

Number.	Date.	From or To—		Subject.
115151	1-13	Wireless Spec App Co		Reqt Bu send prints of wave length changing device. W To---No detail prints will be issued.1/16
115431	1-17	NY	855-12	Reqt authority to develope Solenoid antennae switch; reqt special allotment $200 W To---appd.1/20.
115637	1-20	NY	855-14	Antennae switches; submits estimate for changing control of motors for operating.W To---grants auth.to issue job orders.1/23
116372	1-29	NY	855-21	Tune shifters; submits estimate for mfg additional jar racks for.W To---mfr authorized.1/30. NY 3/28 inc.est.for mfr.W To---appd.4/4.
116516	1-21	At Flt		Tune shifters on BS; reports on operation of.W Fwd NY.2/5 RB 216
116518	1-21	At Flt		TBDS; recommends radio tune shifters be fitted on.W Fwd Dept.Bu concurs.2/10. RB 214
116897	2/5	To NY		Wave changing apparatus; request estimates for manufacture of 20 sets for 5-kw and 20 sets for 2-kw.W
117096	2-4	NY	855-24	Tune shifters; recommends installation variometer for use with.W. To---appd.3/12.
117097	2-4	NY		Recommends re-design of tune shifter and oscillation transformer, Navy type.W To---appd.2/10. To---appd.2/10.

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SWITCHBOARDS & INSTRUMENTS: RADIO 1913

Number.	Date.	From or To—	Subject.
109538	11-5	NY 870-855-6	Tune shifters and distance control switches; estimate for manufacturing. W TO -- (R) auth 11-6 To---Gives list of ships on which installation is to be made; instructions. 12/1.
110610	11-15	NY	Automatic transfer switches for radio; those installed on FLORIDA satisfactory in principle faulty in detail.W
112031	12-4	NY see Reqn 767	Tune shifters; condenser rack for; submits estimate; unable to complete in time unless authority is granted to ~~ins~~- purchase material competition waived; suggests Electrose.Co. W (T)to---directs mfr.20 addtl jar racks and purchase insulators.12/6 Fwd Dept.request appr of purchase insulators.12/6 R B 12 10
111976	12/5	To Dept.	BS of Atlantic Fleet; New York yard authorized to manufacture radio wave changers,etc. Request authority to make installations when vessels are at home yards during period at Christmas.W R.B.12/9
112274	12/9	To Dept.	Requests orders to Boston, Phila.and Norfolk to send representative from each yard to NY yard for instruction at radio laboratory in operation, adjustment and installation of radio tune shifters.W To NY.,Bost,Norf,Phila, S&A.installation of tune shifters, etc. authorized; request shipment ~~[illegible]~~; gives names of ships involved.12/11 NY asks if shall have mfg transferred 12-12 (R)to NY.To Norf and S&A request shipment wave changer for DELAWARE to Norf.12/12. Norf reports receipt for LOUISIANA 1-15

To Bost,Phila,Norf,S&A, radio matrl removed from ships to be shipped to NY yd for further disposition.12/26
To NY and Norf.tune shifter for NEW HAMPSHIRE to be shipped to Norf.12/26
NY 4 sets ready for shipment 12-30
To Norf.tune shifter and transformer LOUISIANA authoirzed. 1/9 Norf reqt instructions re turned in mat by DEL 1-12
To Norf.reqst matrl removed from BSs be shipped to NY.1/14

CARD No.6

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SWITCHBOARDS & INSTRUMENTS. RADIO. 900

Number.	Date.	From or To—		Subject.	
112953	12/17	To NY		Antenna transfer switches will not be supplied by Marconi Co. with sets on contracts 19095, 19812 and 232 and schedule 5625. If not sufficient number on hand to supply sets not issued, request estimates for mfr.W NY gives stock of antennae switches on To---approves mfr 10 antenna switches.	1-12 1/14
18623	12/18	Marconi Co.		Quotes price $32, for antennae transfer switche.	629
113471	12-20	NY		Tune shifters; reports on status of ; only one set completed.W To---radio matrl removed from ships as result of installation of tune shifters to be shipped to NY yard.12/26.	
113627	12-16 12-24	Dept S&A		NY reqn 767 for copper strips for use in mfg tune shifters switches; returns Bu. commendation to NY Yd and states if data had been given on papers when first submitted Dept action would not have been delayed.W Ret S&A.reqst papers be referred to NY yard.12/29.	
			1914		
114239	12-31	NY	960-251	Remote control antennae switches; submits increased estimate.W To---appd.1/8	
114290	1-2	NY	960-2	Tune shifters; revised estimate.W To---appd.1/8	

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SWITCHBOARDS & INSTRUMENTS, RADIO 1913 ~~1912~~

Number.	Date.	From or To—	Subject.	
92885	3-19	Marconi Co	Specns covering antennae switches; reqt. interpretation.W. To---Fwd NY.requests inform Co.direct.	3/20.RB 3-25
94237	4-4	NY 600-13	Fwds tracing of a switch for antennae sending to receiving for 2 and 5 kw sets; estimate for manufacturing.W. To---Bost,Norf.plans appd; request estimates for mfr of 25. 4/8. Bost.5/16 (R)will submit estimates within 2 days.W (R)to Bost.reqst estimates.5/15.	
95207	4/16	NY 600-15	Antenna switch for 2 and 5-kw sets; fwds estimate for manufacture of 25. W To---Boston to proceed with mfr.5/21.	
95444	4/21	Arlington	Reqt shipment order covering switchboards and angle irons to Metropolitan Elec.Co.	841
95329	4-19	TO NY	Antenna transfer switch; detail plants; directs be furnished to Telefunken Tel.Co. W	
95612	4/22	NY 855-9	Switch for changing wave length; requests authority to develop.W To---Appd.4/26.	
96372	5/1	Norf. 3537-1	Quotes price of manufacture of antenna switches for radio sets.W To---Boston to mfr.5/21.	

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SWITCHBOARDS &c. 900

Number.	Date.	From or To—	Subject.
97132	5/10	NY	JUPITER: fwds print of proposed switchboards 816
97736	5-17	Bost	Radio antennae switches; estimate for manufacturing 25. W To---directs mfr.5/21.
102323	7-25	NY	Antennae switches;reqt. authority to install on all radio sets not already installed on.W To---appd.7/26.
103536	8/13	To NY	Radio antenna transfer switches; request estimate for mfr of 15. W
104252	8-23	NY 855-44	Antennae transfer switches; est. for mfg.W To---mfr appd.8/25.
104355	8-23	At Flt	Recommends automatic switches for shifting from receivng to sending by distance control be fitted on all BS.W To---,Fwd NY.asks if NY will be able to supply automatic transfer switches.8/26 RB 9-12 To - will install on FLA. 9-12
106869	10/1	To M.Is.	Auths mfr of 12 antenna transfer switches W RB 11 12 To-NY- fwd print to M.Is 10/1 To---approves estimate.11/12
109111	10-23	At.Flt	Distance control switches, radio tune shifters, recommends be installed on all BS.W Fwd NY,asks if 20 tune shifters can be mfrd at yard in time to install during Dec. period of fleet at home yards.10/30 RB 11 28

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[OVER.]

SWITCHBOARDS AND INSTRUMENTS: WIRELESS.

Number.	Date.	From or To—	Subject.	
50487	10/7	To S&A and NY	CHAS: STA: Aerial transfer switch: reqst shipment NY to Chas. Directs NY to mfr.	807
53460	11/11	NY	MICHIGAN: re removing circuit breakers, at expense of TELEFUNKEN CO	286--6
53613	11/15	To Pensacola	Combination voltmeter and ammeter(Hartmann & Braun). Directs delivery to G.H.Clark.W	
57485	1/2	To Telefunken W.T.Co.	Wattmeter: suitable for 1-K.W. set. Reqst quotation.W	
58219	9/21	GE VOID	Quotes price on wat and ammeters for use wireless laboratory . W	
			1912	
57592	1/3	Telefunken	Wattmeter; makes quotation on ammeter; understands that is what is required. W To---Ack.1/13. To---States for what required.1/13.	
58219	~~9/21~~ 10/2	GE CO	Quotes prices on watt and ammeters for use at Wireless Laboratory. W To---Articles on recn.145 received: Item #5 not what was desired; asks what action shall be taken.1/10. States error in estimate in Bu.reqn.1/13 To---Item 5, recn.145: asks what action shall be taken.1/16.	
63552	3/6	Colon	COLON; re type field wireless set required for testing sites, etc	808

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SWITCHBOARDS ETC. 900

Number.	Date.	From or To—	Subject.	
64569	3-22 3-25	GE Co Washn	Fwds hot wire ammeter to apply reqn.145.W To GE Co.Ammeter will be returned to Lynn factory.3/27. Fwd Washn.Instructions.3/27.	
64929	3/29	Cutter Elec.& Mfg.Co/	Requests loan of motor generator for use in connection with test of circuit breakers for wireless.W Fwd Phila.for rec.4/1. RB 4-6 Fwd NY. for rec.4/9. RB 4-18 To---NY,S&A. Shipment from NY to Co.4/19.	
75844	8/15	Telefunken Co.	Reports failure of Bureau to return circuit breakers and power factor meters under contract 12899, 1910, for which $451 was deducted from contract price.W	876
76700	8/26	Phila	ARLINGTON; switchboard for, reports rejection by his office, and acceptance by Inspr from Cramps.	841
74	9/17	Arlington	Circuit breakers Weston Elec. Recommends inspection be waived	629-2
			1913	
91630	3-1	NY 600-4	Antenna switch; fwds sample. W	
92131	3-6	Marconi W.Co.	Specns for; reqt. interpretation W To---3/11.	
92109	3/10	To NY	Radio antenna switch; returns one which was shipped to Bureau by GSK, for inspection. W	

NB—0120

[OVER.]

SWITCHBOARDS AND INSTRUMENTS: WIRELESS.

FILE No.		From or To— (Dated)		Subject.	
30004	1/24	NY	855p585-4	Fwds tracing of switchboard for wireless room To -- apprd, minor changes made on print 2/16.	
33276	3/8	Marconi W T. Co.		APPARATUS: fwds photograph showing std ship switchboard for wireless: also cut of motor generators: quotes price.	876
33663	3/1	C.O.		STRINGHAM: repairs:	418--5
35910	4/11	To Norf. & NY		NORFOLK W.T. shipment of lightning switch to	824
39024	5/18	TO NY		5kw switchboard; directs standard drawing be prepared. W	
40952	6/9	NY	925-855-4	Switchpanel for wireless rooms; fwds prints. W	
41318	6/13	NY	925-855-5 m	Switchboard panels for wireless rooms; fwds tracing. W To -- Apprd.6/24.	
42265	6/22	NY	925-858-8	Fwds tracing of panel for wireless room. W To -- Apprd.7/7.	
46867	8/21	C.O.		N.Dakota: reports removal of Telefunken A-C Circuit breaker & pwer factor meter by Co	321--6
50478	10/7	To S&A & NY		Aerial transfer switch: Request shipment from NY Yd to Chas.Yd. Directs NY to mfr.	807

NB—0120

Number.	Date.	From or To—	Subject.	
653629	12/21	To Ed Hebern	Electric Code machine- comments on zc Dir comm- J B Brady W S E Hebern 12/26 Will be in Washington about Jan. 3 W	
653824	12/23	To Dir Commns	Development of radio photo-telegraphy Reqsts comments W	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
4 588542	FROM CARD 9		Naval Intelligence - Fwds letter from E. Leschanowsky - ask if Bureau desires to acquire patent covering distances sketcher at $16,000. 10/12 W. Fwds Dir Intelligence 10/16	
14879- 521	9/29/22	Eng. Aero.. Anacostia	Radio telegraph- guiding aircraft with electrically excited cable.	
645514	10/18	To Radio corpn of Amer	Handling of Radio Traffic- Reqsts permission for Representative from bureau to visit plant W Radio Corpn 10/20 W	

Number.	Date.	From or To—	Subject.
647359	10/31	To General Radio Co	Reqsts a proposed plan and cost of a wave length alarm be submitted to Bu. W
648442	10/30	R. A. Fessenden	Radio telescope - gives reasons for delay in furnishing information. W. To Prof. Reg. A Fessenden- Gives inform 11/8
648089	11/8	To CO Anacostia	Teletype Recorder- Reqsts inform on relays, amplifiers and circuits W
	To P H- via MI - gives action taken 1/6/23		Anacostia 11/16 Teletype records report with diagram W
	To MI - Gives action 1/6/23		To MI- Gives dispn made of transmitters 12/8
			To Washn- Fwds prints- gives instrns 12/9
			To P H via MI- Fwds prints- gives instrns 12/9
			Wash 12/21 Report on cost W
			To Washn - gives inform rel instln 1/6/23
649937	11/15	Slocomb Co (H.D.Pyles)	Wirtes rel to system H.L.Falk discovered rel to firing of explosives without wire W
			To H L Pyle (actg Sec sig) Gives inform cc Dept 11/22
			JAG 12/13 Fwds letter from H.L.Pyle requesting report W
			Fwds J A G 12/27

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SYSTEMS 1922 13

Number.	Date.	From or To—	Subject.
619528	4/22	To Bu Standards 909	Radio Telegraph- Radio Rsch Problem #126-B Teletype Recorder. W cc Anacostia. To Anacostia- Arrange suitable tests with Bu Standards 4/22 W
583145	FROM CARD	10	Bur Stand Labr- Subm report by Dr. Miller. 5/6 W ToHugh R Sprado-- Gives comments 5/23
622135	5/10	To General Radio Co	Reqst be furnished a description of equipment and state whether or not material is available for a test at Navy Lab W General Radio Co- fwds circulars describing purchase 5/11 W.

4—3381

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SYSTEMS

1922

Number.	Date.	From or To—	Subject.	
625908	5/27	Aktiebalaget- Stockholm (T)	Rel to invention of Hammond cov secrecy in radiograms- request await results of their test. W To Intelligence- request report . 6/8- RB 6/9 W	
640834	9/9	H. F. Gerry (T)	Request auth to demonstrate ability to transmit power also to receive and transmit voice and code all thru same instrument. W. To MI (T) Quotes from despatch recd from Sperry Gerry Co 9/11 Mare Isl- Fwds printed matter.10/26 W.	
641634	9/20	To NY	Creed automatic telegraph system- Demonstration of- Reqsts inform rel W N.Y.- Fwds description of creed high speed apparatus. 9/27 W Fwds CO Anacostia 10/4 To Gen Radio Co- Reqsts recorder be submitted for test 10/19 RB 10/10 with booklet W	
14898-52	09-20-22	Anacostia Air Sta To Eng	Radio Telegraph- Jenkins System for Transmission of photographs.	

4—6384

[OVER.]

Number.	Date.	From or To—	Subject.
554888	FROM CARD 12		Bar H arbor- (T) Photographic test to Bar Harbor now on. 6/7 W.
			Bar Harbor- Copy- Photographic message recd by Hapsen. 6/9 W
			Bar Harbor- (T) Photographic messages sent. 6/9 W.
			To Bar Harbor (T) Yes 6/9
			To NY-- rel Return of korn apparatus, for photo transmission to Italian Government cc Rome O-I-C Maine- W 6/17
			To S&A Reqst shipment of property ~~belonging to~~ from Bar Harbor to SO NY 514 6/15 RB 5/30/22.W
			To S&A Reqst shipment of apparatus from NY to Rome 515 6/15
			To O-I-C Bar Harbor- rel return of apparatus 6/16
			To Dir of Naval Intelligence- gives instrns 6/20
			Rome 6/19 Copy; Request mach be returned July 15 W
			Bar Harbor 6/22 T Korn apparatus shipped W
			Naval Intelligence 6/22 Fwds photos of His Majesty, The King of Italy sent byKorn apparatus W
			To Office Intelligence- Gives disposition of apparatus 6/24
			To NY (T) rel shipment of apparatus 6/23
			N.Y.- Copy actipn to Naval Attache Rome. 7/10 W
			N.Y.- Korn apparatus recd . 7/10 W.
			Naval Intelligence- Further report.7/31.W.
			N.Y.- Apparatus delivered in good condition.8/31W
			Naval Intelligence 9/29 Ask if aval Attache should pay shipping charges W
			Fwds NY 10/4 RB 10/11 W.
			Dr. A. Korn 9/29- NeW apparatus constructed in Berlin- test could be made between Nauen and United States. W.
			Fwds Nav Intelligence 10/14 W
			Fwds Dir of intelligence 10/27

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
554888		fwded from card 9	To Dir of Naval Intelligence Radio Photography Submits Recommendations 1/16 W Naval Intelli gence- Fwds report from Naval Attache Rome- also letter from Dr. A. Korn cov radio photography. 3/8 W.	
TO CARD	12- A		To Dir Naval Intelligence- Gives Action taken 3/18 Naval Intelligence- 4/4 W. Naval Intelligence- 4/21 W. Naval Intelli ence- Cables reply requesting test be post poned until 5/5. 4/28 W. Rome- Copy- request auth to pay cost for test. 5/3 W. Bur Stand Labr. Fwds report of travel for Miller. 5/5 W. Navigation- Fwds correspondence rel to 5/5 W Rome- Copy- test on Korn apparatus postponed, 5/10 W. Fwds Navign 5/13 Rome- Copy- N.Y. World desires to make own test; Italian authorities offer no objections. 6/1 W. Naval Intelligence- 6/5- Fwds report from Naval Attache Rome with photos cov Korn Apparatus. W.	
605728	1/24	To Western Elec Co	Fwds a newspaper clipping concerning a method of employing telegraph and telephone signals on same wave length W Western Ele.Co. Comments on demonstration. 1/31 W To-- ack receipt of inform 2/7	
607449	2/4	To Radio Corpn of America	Ground systems Reqst Inform covering characteristics W Radio Corpn- 2/7 W.	

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SYSTEMS 1922

Number.	Date.	From or To—	Subject.	
609047	2/8	R. Preece 875	Claims to have devised a system of radio communications which disposes of antenna wires either over head or underground To Mr R Preece Jr- Reqst Inform 2/14 To-- Reqst data 3/29	W.
616405	4/1	To Mr Arthur Leslie	no Inform available about Trans-Atlantic transmission of photographs by radio cc Dir Commns W	
			Keystone View Co.- Request copy of notice concerning invention of apprs for transmission of photos by radio. 4/3 W.	
616405	3/23	Keystone Viem Co.	Request inform and photos of photos recd by wireless. W. Keystone Viem Co.- 3/29- W. To Arthur Leslie- No inform available 4/4 W cc Nav Int. To Keystone View Co- advises might get a copy of Article from A Press Slipping Du W	
14729-520	4/11/22	Eng---Comdt 3rd N.D.	Radio Telegraph- Special Apparatus for Radio Photography.	
14694-520	4/10/22	Eng---General	Radio Telegraph- Test of special Radio Apparatus for photography.	

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SYSTEM

1922

11-A

Number.	Date.	From or To—	Subject.
~~93~~ 590391	fwded from card 10-11		To J B Brady- special type of keyboard and receiving equipment- Gives increas in number W 3/29
			To-- J B Brady- Reqst progress report 3/29
			J. B. Brady Drawings are now being completed. 3/30 W.
			J. B. Brady- Fwds specifications. 4/12 W
			J.B. Brady- Further comments. 4/15 W.
			J. B. Brady- 4/17- W.
			To J B Brady- Reqst inform 4/18
			J. B. Brady- Gives charge for complete instln. 4/20 W.
			To Mr. John B. Brady- Tests will be started about May 15th. 4/22 W
			Fwds Anacostia 4/22 W RB 4/29 W.
			J. B. Brady- Ask if CO. Engineer can assist in operation of teletype during test. 4/24 W.
			To J B Brady 4/28
			J. B. Brady- 4/29 W.
			To J B Brady- Gives inform 4/29
			J. B. Brady- Special keyboard will be shipt in next two days. 5/3 W.
			To CO Anacostia Rel Tests 5/5
			To J B Brady- Exact date will be given 6/3 W
			J.B.Brady 6/17 W
			J.B.Brady- Will make delivery within contract time. 6/26 W
			To J B Brady- comments 6/28 cc Anacostia 6/28
			J.B.Brady. 6/29- Quotes price;can cut speed in half by changing gearing. 6/29 W.
			J.B.Brady - Morkrum Co. will supply any technical data desired. 7/11 W
			J.B.Brady- Fwds warning of patent infringers is issued by Wireless Spec.Co. 7/11 W
			x To J B Brady- Gives Inform 7/14
			To J B Brady- gives Inform 7/14
			Fwds Dir Nav Communications 7/19 W
			J. B. Brady- Fwds letter from Morkrum Co. rel to relay lag. 7/20 W
			Communications 7/21 /W
		JB -Brady	7/24 Shipment will be made within a week W
			To J B Brady- comments 7/28
			J. B. Brady- Apparatus shipt 8/11. 8/14 W
			J.B Brady- Fwds print showing operating diagrams 8/21 W

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N. Eng. 134

SYSTEMS 1922

Number.	Date.	From or To—	Subject.
590931	FROM OVER		J. B. Brady- Fwds description of control apparatus. 8/24 W
			J.B.Brady- 8/31 W
			J. B Brady- Tellatype will be furnished Anacostia- 9/2 W.
			J. B. Brady- Rel to future design of apprs. 9/12 W.
			To J B Brady- does not consider that a lower voltage motor is neccy 9/14
			J. B. Brady - Loans Bureau 110 volt motor which is to be attached to the teletype printer at Anacostia. 9/27 W
			To J B Brady- gives inform rel work 10/2
			To J B Brady- submits Data 10/5
			J.B.Brady- 10/9- W
			By J.B. Brady 10/16- Fwds parts for aircrft. keyboard. W
			J.B.Brady 11/14 Ask if bureau desires Morkum Co submit design for improved form of control apparatus W
			To J B Brady- Would be pleased to examine and test models 11/18
			J.B.Brady- 12/12 W
			To J B Brady- comments 12/16
			To Boston- gives action taken cc Bar Harbor 12/20
			To Washn- Gives action taken cc Dir Commns 12/22
			J.B.Brady- 12/26 Ask voltage desired for magnets W
			J.B.Brady 12/27 Fwds manual of instructions for teletype with detailed comments on W
			To J B Brady - Gives inform 1/4/23

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[OVER.]

1921

Number.	Date.	From or To—	Subject.
93 590391		fwded from card 10	To J B Brady ask to be allowed to retain teletype printer for temporary loan for test 11/29 W
		card 12-A	J.B.Brady- Morkrum Co. Will loan two teletypes for test. 12/7 W.
			J.B.Brady- Have asked Morkrum Co. to develope key board transmitter. 12/7 W.
			J.B.Brady- Suggest Bureau representative stop off in Chicago for visit to Morkrum Co. 12/9 W
			To J B Brady gives inform rel test 12/13
			To J B Brady rel test of equipment 12/21
			To J B Brady rel size allowable for trans 12/21
			J.B.Brady- Gives quotation cov key board transmitter. 12/31 W
			To J B Brady- Gives Action 1/14/22
			J. B. Brady- Rqst report of test. 1/26 W
			J. B. Brady- Offers substitute relay circuit. 2/2 W
			J. B. Brady 2/4- Suggest Page printer be tried out. W.
			To-- Fwds report 2/8
			To J Brady- Gives Inform 2/13
			J. B. Brady Ask number of control circuits nec. 2/23 W.
			J. B. Brady- Request copy of requsition cov keyboard transmitter, 2/23 W
			To J.B.Brady-comments-2;24-W
			To JB Brady-Morkrum Co reqtd to bid-3;1-W
			J.BBrady- Fwds photos and descriptive matter on radio dynamic control apparatus. 3/14 W
597971	10/21 11/29	Nav.Observer Berlin Communications	Fwds pamphlet cov research in conn with dynatron by F. Holborn. W.

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SYSTEM

1921

Number.	Date.	From or To—	Subject.	
600869	12/21	To Dir of Naval Intelligence	Inquiry re purchase of apparatus of Mr Edward Belin for transmission of photographs sketches and hand writing W RB 2/28/22 W	
			Naval Intelligence- Fwds copies of correspondence with Naval Attache Paris. 3/3 W	
		1922		
594516	FROM CARD 10.		Eastman Kodak Co. 1/4 W. Fwd Boston 1/7/22	

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[OVER.]

Number.	Date.	From or To—	Subject.	
578992	8/4	Annapolis (T)	Report on photographic transmission test by French engineers. W.	
579758	7/8	R. A. Rodriguez	New system of telectrical telegraphy is of the open circuit type. W. To 8/13	
579757	8-9	To Edouard Belin via Lef and Annapolis Sta	(T) Acknowledges message and photographs	W
580021	8/11	Annapolis (T)	Mr. Touley advises had authority from Dept to conduct photographic test 8/11. W. Annapolis- (T)- Report on photographic transmission test. 8/11 D.	
580220	8/12	Annapolis Sta. (T)	Report on successful sending of photo by radio. W.	
582567	8/26	Edau-ard Belin Copy	Request authority to use receivers in conn with trahsmitting photographs. W.	
583145 TO CARD 13	7/26 8/24	Hugh R. Sprago Mare Isl.	Proposed system for photographically recording radio signalling. W. To MI Fwds cc of patent application covering same 9/24 To Bu Stand- Rqsts comment 5/3 W	
14213-520	8/8/21	Alusna Paris- O.N.I.	Mr. Berlin thanks navy Dept. for its valuable cooperation.	

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N. Eng. 134

SYSTEMS 1921

Number.	Date.	From or To—	Subject.
588640	10/7	To O-I-C Bar Harbor via Boston	press publicity in connection with system of Mr Belin- ;Gives instrns W RB 10/22 W Fwd Bar Harbor via Boston 10/25 RB 11/9 W To Eduard Belin- Ack receipt of radiogram 11/5
589590	10/12	To Hammond Radio Research Lab	rel papers covering power of Insrn on the pending patent application on "wobbler" system Reqst papers be expedited cc Ordn W 10/12
39 590931	10/20	To Bu Standards	Assignment of radio research problem- Reqst recomdns W Bur Stand Labr. 11/7 W
Card 11		J.B.Brady- Morkrum Co will send engineer to assist Bur in making test of teletype transmitter 11/16 W J.B.Brady-11/25 W.	To J.B. Brady Gives inform rel test cc Bu Standards- - Anacostia laboratories 11/12
590932	10/20	To Co Anacostia	Assignment of Radio Research problem;Reqst Recomdn W
591618	10/18	Comdr Hooper	Conference with Mr Belin,French inventor of radio transmission,handwriting, etc W
594516 CARD ,11	11/4	Boston Fwd Boston 11/19 RB 11/25 W To Eastman Kodak Co- Gives inform 11/29 East.Kodak Co-Letter 12/10 recd.12/9 W	Fwds test sheets of photograp hic tape for high speed radio receiver made by Dr. Belin. W To Eastman Kodak Co Reqst inform rel tape cc Boston 11/10 W Eastman Kodak Co.- 11/14 W
594439	11/3	Bar Harbor	Report cov test of French radio photographic apprs of Bar Harbor. W.

SYSTEMS RADIO 1920

Number.	Date.	From or To—	Subject.	
499828	6/15	Popular Science Monthly	Request information rel to sending of wireless messages by phonograph as used by Germans. W To suggests take up with some radio co 7/19 W.	
501977	6-29	To John Firth	Reqst Dr McCas make arrangements to be at testing lab prior to July 10th 1920	W
503991	7/9	To Anacostia	Radio telegraph- demonstration by Dr. D.C. McCaa of static eliminating radio receiving system. Reqst permission be granted to make demonstration at Anacostia. W Anacostia- Report on test of McCaa static eliminating receiving system. 7/21 W To Dr DG McCaa. cop J/Firth. appr does not prove efficient for naval service 7/27 Jno Firth- 7/28 W	
507930	7-28	To N.Y.	Reqst info on transmittion of photographs by cables. W N.Y.- Subm report and sample photos- 8/26 W	
4 488542	FROM CARD #8 To Cuthell White Co 5/24/21 Cuthell White Hotchkiss Mills- Sandor and Tschorner have opportunity to sell apprs to private parties if navy is no longer interested. W.11/28 To-- Gives Detld inform 12/5 C. W. H.& M.- 12/7 W TO CARD 14		N. Sandor- Will be in Washington about 9/1 7/22 W To Secty War. suggests rep of dept make arrangements witness tests. 9/14 Lab, Bu Standards; submits report; 9-15; W War Dept- Acknowledges and thanks. 9/23 W Cuthel White Hotchkiss Mills- Fwds draft of proposed contract in conn with apprs capable of transmitting hand writing, thumb prints- sketchs, etc. over wireless' invented by Tschorner and Sandor 2/3 W To Cuthel White Hotchkiss and Mills- 2-9 To Cuthell White Co 3-7 Cuthel White Hotchkiss & Mills- 3/9 Fwds Austrian patents . W. To Intel 3-11 RB 6/6 W To Cuthill Co 3-11	

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N.S.E. Form 134.

SYSTEMS: RADIO 1920

Number.	Date.	From or To—	Subject.	
523559	10-21	To Navgn	Recommends copy of letter of commendation be placed on record of Lt. W.A. Eaton- To Washn 10-23 63	W
540388	1-17	To Elen T. Takamine	Returns pamphlet in conn Amer patent recently loaned by you- Does not desire make test of apparatus aboard naval vessel W	
553101	3/26	To Radio Corpn of America	Reqst inform on results obtained by co at transatlantic Receiving stations with reference to static and Stray reducing system W Radio Corpn America-Ask when our representative will visit station. 3/29 W	
554882	4/2	To intelligence	Reqst arrangements be made for Chief Gunner Paterson to inspect app and witness test of same W --Wireless photography Nav. Intelligence 5/28 W. Nav. Intelligence- Fwds report from Nav. Attache Rome- 1/10 W.	
561937	5/4	G. E. Shoemaker Ordn.	Fwds photos with comments on cov range boiler and sending device for aerial torpedos. W. To G.E. Shoemaker 5-17	

SYSTEMS RADIO

Number.	Date.	From or To—	Subject.
464969	12/22	Washington	Subm report of Uni wave arc Signalling system. W.
		Wash - ask if Bu. desires additional keys installed - W	To Wash - 1-2
		To Washn. auth granted for expd of $300 4/29	Washington - Request drawings covering manuf of individual loading coil units. 2/13
			To Comdt Wash- fwds drawings 2/24
			Washington- Request loading coil units be furn. 3/8
			To Washn- auth induc units 4-8 copy NY
465928	12/2 12/27	Naval Attache London Communications	Subm information rel to inventions of A. Sander in conn with transmission of written communications etc. by wire and by radio. W
		674	Fwd D.N.C. 1-23
			N. Sandar- (T)- Request interview in conn with invention. 1/30
473805	1/28	Fed. Tele.Co.	Recommends instln of single wave signalling system be made at San Diego Station. W. X 898
		To Fed Co (T) 2/17	To Fed Co copy MI 2/9
OTHER SIDE		M IS-T-Fed Co intends to install system at SanDiego only Govt matl required is large series condenser-3;19	Fed. Co. -(T) Request authority to make instln of single wave signalling system at South Frisco Station. 2/16 "
		Mare Island- (T)- Request authority for Frisco Sta. to undertake experimental work single wave system. W 3/29	To M.I. (T) 3/18
		Fed Co.-Subm quotation cov instln of single wave signalling system at San Diego. 3/25 WS. X 830.	
475548	2/11	Nav. Intelligence	Subm information rel to wireless telegraph machine without antenna on which experiments are being conducted by Senor Rangel, in Mexico. W.
			To Radio Corpn. 2/16 translation) Radio Corpn of American 2/18
483893	3/24	H. W. Kitchin	Comments on multiplex radio telegraph and telephoning by F. M. Ryan and J.B.Tolmie, and R. O. Bach to appear in proceedings of institute of radio engineers - fwds copy of.W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
473805	SEE OTHER SIDE CARD		Fwded Secty- 4/2-rel development of single wave signalling system for high power arc transmitting station W To M.I. (T) authority granted Fed Co 4/2 RB, authorizing expenditure of $10,000, 4/9 W. Communications 4/9 W. To M.Island (T) desires work expd 4/14 fwd M.I. via S&A 4/14 Guam- Copy- Rqst new allotment of $500 to complete loop at Rigo; original allotment exhausted. 4/8 KW. Mare Island 4/14 (T) To MI- (T)-Guam- Rel allotment auth 4/12. Mare Island- (T)- Fed Co. accepts contract covering movement of Helix and proceeding with preliminary work, Challos Heights; subm estimates. X 830 W P.C.C.S.-Copy- Report on South Bend Signals. 4/24 W Mare Island- (T(- Report on test. 5/3 W To Communications- Quotes test of Mare Island, cove radio apparatus. 5/6 Mare Island 5/13 W. Boston- report on test, So.Frisco- fwds tape.5/20 W Fwd M.I. 5/20	
489454	4/23	W.L.Carlson & Earl C.Hanson	Fwds specifications and drawings of telegraph system	W.
488542 TO CARD 9	4-23 Nav Intelligence 5/28 W	To Nick Sandor I. Sandor -Rqst American Consulate in Vienna hand out visum. 5/15 W To Naval Intelligence 7/13	Reqst fwd more information on invention. W To Nick Sandor- asks further info 5-1 To Intelligence- reqst cooperation in re to securing passports and assistance in conn with demonstration of radio appr 6-17	
490336	4/18	H Pratt	In conn with key system at Bar Harbor single wave apparatus, South Frisco, elimination of mush with arcs, etc.	W.

SYSTEMS: RADIO

Number.	Date.	From or To—	Subject.	
429012	6;26	West Elec Co	In con with arrangement for devel of C E Harrisons device and arrangements.	W
437815	8;5	Exp Station Test 1043	Report of demonstration of spec radil app invented by Mr. Peters. W To Ordnance- fwd copy of report- Req dis auth given Mr Peters 8/12 RB 8;16 W V Dixon-Reqst copy report of test. 8;19 To Annapolis- canc auth given in letr of 6/13 for devel of device Mr. Peters 8/20 To W B Dickson-Bu has no report of test of gun. 8;25	
438958	8;7 Anacostia 9-8 Fwds report To Bu Stds- asks if can carry on experiments 9/30 Research Prob No 21) Bu Stand Lan - 10;7 Bur Stand Rsch Labr-4/19 W	Bu Stand	Acceptor, rejector circuit, fwd report with prints coy. W Bu Stand - Fwds photos and diagram of acceptor rejector circuit for reception. 8;15 BU Stand-Comments on acceptor rejector circuits. 8;16 To Anacostia Radio Lab fwd copy of letr of 8/16 for info research prob 21 8/21	
440174	8;14	Bu Stand	Submits comments on system for suppressing carrier wave of radio sigs. W	
463064	12/11	Bu. Stand. Research Lab.	Submits report of radio aid C. Speaker on wave form of Speaker system - W	

SYSTEMS RADIO

Number.	Date.	From or To—	Subject.	
440558	8/21	To Lab via Anacostia	Fwds prints copies of treatise on acceptor rejector circuit sub by Rad Lab W	
445534	9-11	Anacostia	Submits new method of amplification and re-radiation. W Cdr.Hooper and Cdr. Taylor--Application for patent on combination of reradiation system with wired wireless. 2/19 W	
446737	9;19	Elec Experimenter	Reqst infor re invention by cable submerged. Cross to 674 To The Electric Experimenter- will not give info covering until tests made 9/22	
5045	11/28	To Boston	Rqst Mr. Hammond be permitted to make such alterations to the spark gap or other parts of the interfleet radio sets Hammond types Tg and G which he considers advisable. copy to John Hayes. W.	629
462948	12/11	Bu. Standards Research Lab.	Calls report of radio aid C. Speaker on a new system of radio telephoning - W	

4—3381

Number.	Date.	From or To—	Subject.
094 338904	8/6 8/17	H H Hyder Dept	Device for sending and receiving wireless messages in absolute secrecy; sent without use of key and without receivers; asks if bureau is interested Fwd. Mare Is. 8/27 back 11;13 To ___ Tests to be allowed at Mare Is. 8/27 To--Fwds copy of report of radio signaling 11-19
		HH Hyder-Blue prints and spec fwd to MI, req report of test. 10;29	
354938	9/17	American Asso of Engineers	Fwds breef outline of plant of secret transmission with detailed comments on - also sketch - W To Great Lakes, re plan of secret transmission of intelligence, 10-3 To Great Lakes. Re outline of plan of secret transmission of intelligence 10/4 Great Lakes Oct. 16 Lambert secret radio communications system - Comments on W
356212	9;27 10;7	War Dept Ammunitition Foreign Brd	Fwd letter from Senator Chamberlain in connection with improvements invented by C A Robinson, req status of. W Fwd. Mun. Patent Bd. 12-9
362899	10;26	Com	Patent of wireless rec system, fwds photoes of. W To Comm, Fwds photo copy of danish patent 11-21
364245	10;18	MI	Fwds special report on method of radio ~~tel~~ sig by H H Hyder.

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N.S.E. Form 134.

SYSTEMS: RADIO

Number.	Date.	From or To—	Subject.	
374513	12;2	Hammond Res Lab	D O Porcher and C S Miller from graduating class at Harvard Radio School chosen. W Inspr Erie 12;13 To---Bu Nav rqstd to detail G H Baalson & Donald O Bircher from Harvard Radio school for exp work and test in conn w Ham. Rad Transmitter. 12/19	
376131	12;9	Cost Inspr Pool Engr Co	Fwds material order on G M Gest cont cov wires, bolts, etc.	
378553	12;18	Bar Harbor Copy	Make drill set of new radio system devel at Harvard, req status be supplied. W	
392613	2;9	European Force	Submits report on radio tel system. Gunner M Kenney-Submits comments on new system of radio sig. 2;3	W W
391119	2-5	To Gunner Mathew Kenny via Comdr Naval Forces operating European Waters	Advises has examined method of receiving radio signals as outlined by you, letter 12 27/18, method in use by Navy in its radio compasses,	
405299	3;24	Annapolis	Sub report of waive test proposed by Fed Co with Ottercliffs.	W

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[OVER.]

SYSTEMS: RADIO.

Number.	Date.	From or To—	Subject.	
252316	9/29	To Signal Officer War Dept.	Fwds letter from H.V. Roome, relative to signaling along the lines of wire and cable by means of alternating currents. W (Cross to H.V.Roome)	
253952	10/8	Jos A Steinmetz	A.L.Frankenfield; scheme for increasing radiating power of sending apparatus.W Steinmetz fwds copy of letter to Mr Frankenfield 10/17 To—Reqt Mr. Franklin confer with Bu.10/16	
262679	11-8	M Is Yd	Improvement in means of sending messages automatically be telegraph or Wireless-fwds description and report on - invented by J. J. Sherry.	898
268219	12-18	D G McCaa R	Device for locating metallic bodies; fwds description of.W	
270186	12-28 12-28	L J Kane Communications	Request authority to use experimental apparatus for development of wireless ray for absorption sound waves, etc.W To—2/20 L.J.Kane-will present when idea is perfected.2/28	
287358	3/8	To F.F.Steinbrook	Experimental wireless control. Reqt description and further particulars. W	
	F A Steinbrook asks if there is an experimental station doing expermental wireless control W To N Lond- Returns letter Steinbrook without action---5-24		F A Steinbrook submits new development carried out on radio controll system. W 5;15 N Lon- Retruns letter of F.A.Steinbrook without action 5-22	

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N.S.E. Form 134.

901:SYSTEMS:RADIO

Number.	Date.	From or To—	Subject.
287689	3/9	To M.Is. T	Ask for address of E. C. Hanson of Los Angeles if is available. W M Is-gives address of E.A.Hanson.3/9.W To Signal Corps--Will advise address when known. 3/9
310183	5-24	To Sims	Is Johnson Wireless tel system worth investigating-inventor is J M Johnson Australian-Set tested by Commander D E Reinhold for Admiralty in Sept 1914-European Forces-Copy-Johnson Wireless Teleg sys not of any value. 7/18
320928	6/28	To Belmar	Reqts. to assist Mr. Alexanderson on experiments. W
331542	7;17 see 3315	J Hays Hammond 06-882-3	Tel sets completed. W
332712	7;29	Harvard Radio School	Fwds report on test of radio sig apparatus to J Hays Hammond Jr.
338527	8/15 To Phila. Naval service. 8/29	Phila Re offering patent to	Radio duplex system, covered by US patent by Richard Pfund, offers to Bur for use - W

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[OVER.]

SYSTEMS: RADIO.

1916

Number.	Date.	From or To—	Subject.	
187916	4/27	Herndon, T. R.	Request permission to test his system of sending messages by radio thry the ground, with Arlington	903
188508	5/17	Washn	Reports on test of Hallberg relay	898
196372	4/25 8/12	Conrad Reno Dept	Directs officer be nominated to confer with Col Squier, USA, in connection with offer of radio transmitter and motor for use on aeroplanes and submarines.W Fwd Dept--Designates Lt.Hooper to confer with Col.Squier. 8/17	
196480	8-14	To F.P.Cobham.	Offers to make inspection of plans and specfns of wireless obliterator. W	
218768	3-16	Braun? WPM	Murgas sustem; asks if any use to Govt.W	
221354	4-5	Dept	Copy of letter to Aeronautic Wireless Division (William Russell), relative to test of a radio communication between aircraft and motor boats.	876
223920	4/13 4/20	M. M. Moon C&R	Calls attention to his son's invention .W To--Reqt detailed description of.4/30 Hon. W. C. Adamson fwds letter and sketch from Mr. Moon 5/31 To--Comments on.6/4	

N.S.E. Form 134.

SYSTEMS: RADIO. 901

Number.	Date.	From or To—	Subject.	
234155	none	B.J.Corder	Fwds specifications of his multiplex wireless telegraph system.W To--Not desireable to make change at this time. 6/29	
236890	6-29	C C Golbrich & Son	Wireless telegraphy; calls attention to their system.W To--Comments on.7/9	
237237	7-7	To Wash.	Special test of simultaneou trans and rec. Directs make test of Paul Ware's system, made in conjunction with Prof. Hazeltine.	875
244998	8/21	To Dr. Cox (Sec Sig)	Ask when will be ready to make demonstration of radio system. Dr Cox 8/23 Fwd N av Com--8/30 R B 9/6 To--Prelim test of apparatus auth.8/30 To Wash--8/30 Dr Cox 9/1 To--Comments on test.9/6	
	To Herbert Scutt--1/5	To 3rd Dist--A uth Cockaday to use antenna.1/11		
	To L.M.Cockaday--Submits report re lowpower radio transformer.11/19			
	To--10/19	To--Test will be conducted at Wash.10/22		
248493	9-4 9-8 9-10	H. Scott NY Communication	Writes rel to experiment of radio by Mr. Lawerence M. Cockaday.W To Wash--9/26--RB--11/10.W To L.N.Cockaday--Directs fwd to Wash for test.9/26	
	To 3rd Dist--10/11			
	To Wash--Instrns re test of Cockaday apparatus. 10/19			
	H Scutt (2 letters) 10/18		NY Police Dept request confirmation of approval of L.A.Cockaday to test out wireless invention 10/5	
	H.Scutt-reports on status.1/2			
250123	9-24	NY Communication Supt	Fwds corres from Herbert Scutt and Lawernce M. Copkaday, rel to securing another transformer to carrry out experiments with their new system for sending musical not.	904

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
102861	7/29	San Diego	1914 Reports on ARLINGTON - PAULSEN TEST.	903
117790	2/17	Austin, L. W.	Goldsmidt Radio Stations; Hanover, Germany; Reports test with by Arlington; was heard Feb. 5th and 13th.	903
117878	2/5	State Dept.	Galletti system; directs arrft be made for test between station at Leschaux, France.	903
136582	10/10	Dept	CALIFORNIA; reqt Paulson set be installed; proven satis on WEST VA.	147-6
138930	11-5	Falk, H.L.	New radio system; renews reqt for test W. To-- Reqt description and drawings of.	11/9
			1915	
144285	12/20	SAN DIEGO	Reportson operation and installation of Poulsen arc set; recommends for long distance work	147-8
146751	2/8	Office of Aero	Quotes cable from Naval Attache Paris relative to the purchasing of Ronzet Aero wireless system; recommends	876
148210	2/23	Nav Intel	Rozet system of radio for use on aeroplanes	876
144983	1/19	Dept	Arc type radio apparatus; sums up excellent results SAN DIEGO and WEST VIRGINIA and Arlington; directs number of sets be procured for armored cruisers and vessels on distant service; also WYOMING and NEW YORK be completed prior to sailing of fleet	876

N.S.E. Form 134.

SYSTEMS. 901

1915

Number.	Date.	From or To—	Subject.	
164936	8-24	Anderson, T Scott	Fwds description of his readio system and automatic condenser.W	
	To--Take up with Nav Attache.11/3		To--Ack receipt of. 9/8 To--Re demonostration of. 10/1 Anderson will take up matter Nav Attache Lon10-19 To Nav Intel--Reqt Nav Attache take up.11/3 RB 2/25/16	
166297	9-29	Hough, R.H.	Fwds description of his new sys wireless tel which can be isolated	635-1
170988	11/8	Elec School	Reqt copy of instructions for use of Poulsen type arc apparatus	707-3

1916

176011	1/12	To Aero	Aeroplace radio equipment; have reqtd shipment of 4 aero radio sets to Pens for use of the aero service; gives instructions re installation; have reqtd New Orleans to detail Radio Gunner W.C.Bean to Pens to conduct experiments with sets	903
176259	1-10 1-14	Radio Apparatus Co Supt	Request list of stations equipped with Poulsen system and those contemplated.W To--Unable to furnish owing to confidential nature 1/15	
179317	2/9	Pac Flt	Fwds suggestions of Gunner W.N.Fanning, for using different tones instead of dots and dashes for sending code messages; typewriter and duplicater, operations of shore stations	876
183631	4/3	NY	Letters from N. Tesla relative to his wireless system	876
185202	4/14	At Flt	Eyck generator and Dublier transmitter used in making a test of a radio aeroplane; fwds photographs	876

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[OVER.]

Number.	Date.	From or To—	Subject.	
45054	7/12 7/31	C.Lorenz Aktiengesellschaft Dept 12479-430	Fwds description of new wireless apparatus "Multiple Sound System". W To---Not prepared to place an order.8/12.	
45048	7/31	Nav.Intell.	TESTS: fwds pamphlet re experiments abroad and copy of J.A.Fleming's book "Principles of Elec. Wave Telegraphy and Telephony". which contain data of similar character to that covered by Dr. Austin's paper.	903.
46020	8/6 8/10	The Falk McMann W.T.Co Dept 11591-4	Offers to equip STRANGER or any other vessel in New Orleans waters with wireless free of charge for test.W.	
48792	9/14	NY 936-855-29	Spark gap developed by E.J.Simon: present for test by Nat.Elec.Sig.Co. Reports on test. W To Nat. Elec . Sig. Co. fwds. report 9/22	
			1912	
61731	2-19	Finkel Belmont Co	Invites attention to new system being placed on market by Raes Mfg. Co. also improved tower; submits specns. and print of same. W To---Suggests interview.3/16.	
61698	2-13	Falk, H.L.	Have sets readu for test on STRINGHAM OR BAILEY; reqt. shipping instructions.W. To---& N.Acad. Instructions.2/24. Returns letter.2-29	

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SYSTEMS. 901

Number.	Date.	From or To—	Subject.	
78894	9/25	To Beach Thompson FEDERAL TELEGRAPH Co.	Grants permission to make experiment test of his apparatus at ARLINGTON (PAULSEN SYSTEM)	876
80223	10/7	M.Is.	Federal Tel.Co. test of PAULSEN apparatus at ARLINGTON, reqt to be advised of dates so M.Is. sta. can lisen in.	876
81413	10-23	Taylor, R.W.	New system which does away with aerials. W TO -- instructions re 10-31	
81551	11/1	Hill, Guy	Reports on NATIONAL ELEC. Co's HETERODYNA system	876
			1913	
90629	2/12	M.Is.	TESTS: reports on test of Paulson receiving set installed by FEDERAL TEL. Co. at SAN DIEGO, favorable.	903
91418	2/28	Guy Hill	Federal Telegraph Co's POULSEN Sets, makes comparisons between results of tests and experiments with apparatus of other companies	903
97915	5/21	Federal Tel.Co.	Test of PAULSEN generator at ARLINGTON, objects to on account of patent situation.	903
101230	6/30	Marconi Co.	Fwds report of the British committee on radio stating that Marconi systems only one suitable for Great Britain's chain of wireless where efficiency of work over distance of 2000 miles is required.	881

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[OVER.]

SYSTEMS: ~~UNNAMED~~.

FILE No.		From or To— (Dated)	Subject.	
30676	2/2	TO M.Is.	Poulsen system; reqt. report as to whether stations reported to be equipped with are operating satisfactorily. W	
39903	5/6	Dodd, Lt.E.H.	Fwds report of investiagtion of stations on Pacific Coast, operated by the Poulsen Wireless Telegraph Co. States both apparatus and stations are effective. W	
40816	6/9	Nat.Elec.Sig.Co	Invites attention to new Hetrodyne system; with which they are fitting United Fruit Co. Recommends Bureau hold back awards on schedule 3571 until this system is investigated.W To -- Willing to test at NY Yd.6/12.	
41047	6/13	TO Nav.Acad	Poulsen System; reqt. test of. W	
42324	6/27	Nat.Elec.Sig.CO.	Calls attention to new 2-k.w. transformer and quenched spark gap developed by Mr.Simon. Reqt opportunity to have tested. W Fwd NY for comment and ret. 7/1. RB 7-18 To -- If desires test, directs deliver items at NY Yd.7/14.	
43904	7/18	Nat.Elec.Sig.Co	Will submit quenched spark gap and resonance transformer of Mr. Simon to NY Yd. for test 24th inst. W	
44263	7/22	To M.Is.	TELEPHONES: Poulson: directs purchase of 2 sets for testing purposes	902

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TELAUTOGRAPH. (radio) all see registering machines.

1912

Number.	Date.	From or To—	Subject.	
83050	11/16	Gray Nat. Telautograph	MICHIGAN: agrees to exchange present instrument with one that is water proof.	286--6
83994	11/26	At. Fleet	Reports on radio signalling during TARGET Practice, makes recommendations re--	493

1913

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Number.	Date.	From or To—	Subject.	

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1915

Number.	Date.	From or To—	Subject.	
174687	12/23	Phila	Screws; reqt decision as to whether or not the ASME standards are to be used for radio equipment	738
176613	1/6	M Is	Radio transmitting set specns; proposed	876
177444	1/27	Phila	Specns for radio set; reqt interpretation list of spares	876
180398	2/21	M Is	Ultra audion bulbs; submits specns recommended for	898
183019	3/29	To S&A	Specifications for radio arc set; ship and shore stations; fwds copy for blueprinting for issuance to manufacturers of radio apparatus	876
186034	4/26	Phila	Radio switchboard; specns for radio sets will require departure from standard switchboard drawings; request instructions	900
185668	4/28	To Fed Tel Co	Specifications for Radio Arc Set, Ship and Shore Stations; fwds copies of	876
186348	4/25	M Is	Spark gap; mica rings; reqt specns covering	898
9545	5/8	Wireless Imp Co	Recommends changesin specns for Litzendraht wire	706
188569	5/17	Pug Sd	North Head Radio Station; wooden lattice mast; fwds print of proposed specns	825

1916

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N.S.E. Form 134.

SPECIFICATIONS: RADIO.

Number.	Date.	From or To—	Subject.	
188815	5/19	Fed Tel Co	Specifications for radio arc apparatus, ship and shore; comments on requirements of	876
190403	6/8	GE	Radio generator and motors; comments on specifications for 20 and 30 kw sets	882-3
193558	7/19	To Yds	Specification of radio apparatus; lists modifications in; reqt comment and recommendations on	876
195860	7/27	Dr. L. W. Austin	Radio transmitting condensers; suggested revision in specifications	882 -1
205272	11/11	To War Dept	Fwds copies of standardized specns for radio transmitting and receiving sets; suggests all departments should standardize on this material	876
205279	11/11	To NY	Fwds preliminary rough draft of specns for radio tractor sets; directs G.H.Lewis comment on; also comments from other sources	897

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[OVER.]

SPECIFICATIONS, Radio outfits.

previous corres. on specfs see APPAR.General.

1912

Number.	Date.	From or To—	Subject.	
59936	3/12	NY. 855-705-593	Sched. recommendations of award and recommendations for changes in specfs.	706
78183	9/14	NY	Specfs 16-P-5, recommends revision as none of the sets purchased have complied with all sections.	876
N.Y.Reqn 439	10/19	NY	Reqt specfs be amended.	
81044	10/24	NY	APPARATUS: Submits proposed spcfns for 2 and 5 kw sets.	876
82851	11/16	NY	Suggestions for changes in	876
			1913	
94862	4/12	Cutler Hammer Co.	Radio specfs, takes exception to clause which prohibits use of their starting panel.	876
851	?	Firms	Takes exception to specfs for CAIMITO sta.	851
94773	4/12	To At. Flt	Reqt conference to prepare standard plans for ship's radio installation	876
99449	6/12	NY	Specfs for radio sets, suggested amendment for protective devices, based on obnections to sched. 5159.	876

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SPECIFICATIONS, radio.

Number.	Date.	From or To—	Subject.	
99477	6/14	Clark, G.H.	Amended specfs forwarded to-day, recommends including in next proposal.	876
99704	6/17	Clark G.H.	Aare preparing details of standard specfs, will attend Marconi coupling patent suit suggests orders for himself and Hill to Sayville.	876
No #	6/20	To S&A	Bu.recn.12/1914, for 15 5-kw radio sets; submits specifications and requests be inserted in proposals.W	
100160	6/23	Pfund, R.	Wireless specfs, asks if both 2 & 5 Kw sets shall have range and wave lengths up to 2000 meters.	876
102595	7/30	To NY	5-Kw radio sets, cont 18095, fwds specfs	876
			1914	
139670	11/14	To NY	Specns for 1/2 kw radio sets; reqt recommendationsas to any advisable changes	876
			1915	
153246	4/24	S&A	Specns 16-R-1; radio sets for ships; asks if any changes desired	876
162725	8-6	To M.I. & NY	Fwds for comment	876
165287	6-17	No source	Arc radio sets - conference report	876
170077	11/2	To M Is	Specns for 15 30 kw arc radio transmitters; reqt be prepared	876
170829	11/10	To S&A	Specns 16-R-1, revised, radio sets; fwds for printing	876

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[OVER.]

SUBMARINE CABLE. (wireless)

FILE No.	From or To— (Dated)	Subject.	
33202 3/4	Key West	PORTABLE SETS: recommends that abandoned submarine calbe at Dry Tortugas be exchanged for	897--1
		1912	
		1913	

NB—0120

TELEPHONES RADIO 1922

FILE No.		From or To— (Dated)	Subject.
653037	12/9	Architect of Capitol	Extends thanks for transmitting presidents message. Will hold Will hold conference of Congress W Fwds Dir commns 12/21
654389	12/18	Naval Hospital Newport	Rqsts diaphragm for Western Elec loud speaker W Fwds S&A 12/23 S&A 12/26 Copy of shipment order covering diaphragm for loud speaker from Boston to Newport Naval Station. W
654129	12/21	To CO Anacostia	Broadcasting marine band and navy yard ban concerts- gives action ce Washn W
654594	12/21	L.G.Young	Report on excellent broad casting made by Anacostia Station W

TELEPHONES RADIO 1922

654974	12/15	Mrs. C.C.Killen	Asks if possible for wireless to pick up unspoken thoughts when person is not near instrument W To Mrs C C Killen - Gives Inform 12/29
655080	12/23	A.P McArthur	Commends Navy Dept for transmission of President's message and asks who is directly responsible for success. C To A P McArthur (Secy Sig) - Gives detld inform 1/2/23
654682	12/29	To Western Elec. Co -	Reqsts Inform as to method used in obtaining duplex operation and the separation between transmitter and receiver waves cc C-I-C Battle Fleet W
428045	FWD FROM CARD 44		Brook Supply Depot. 7/10 Fwds copy of letter from GE Co dated July 1 reporting inability to locate telephone loaned W

Number.	Date.	From or To—	Subject.	
653173	12/9	Dept	Desirable that an additional control line be obtained from Radio Va. to city switch board for Government broad casting. W	841
650276	12/5	To Phila.	Desires telephones for HANNIBAL be supplied from decommissioned destroyers Rqst inform no. phones removed and if sufficient quantity in "APPROPRIATION PURCHASE Acct. to replace. W Phila - RQSst inform rel to phones removed from destrys. 12/11- W.	225-6
653586	12/12 12/14	Chief Coordinator S&A	Bureau of foreign and domestic commerce at Bos. Rqsts radio receiving sets. Asks if Navy has one available W Fwds S&A 12/20	
653580	12/11	Anacostia	Broad casting schedules from Anacostia station. Submits comments on list of deficiencies W .	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
653660	12/8	Sig Corps	Rel to radio telephone receiving [redacted] boxes for sale at South Brook ordered Will be received through Signal Corps KW
653657	12/14	H.J.Bixler	Fwds letter from B Jarrett requesting inform regarding radio broad casting W To Hon H J Bixler- Fwds corres. 12/21 To Hon secy of commerce (Sec Sig) Fwds corres. 12/21
653750	12/16	To Phila	Destroyers decommissioned radio tele phones for- Status of- requested W X650276-225-6
654038	12/5	L.A.Snead	Gives suggestions for improvement of broad casting at Anacostia W To L A Snead- gives instrns 12/21 Fwds Dir commns 12/21

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[OVER.]

TELETHONES RADIO 1922

Number.	Date.	From or To—	Subject.
651208	11/25	West EM Co	Fwds curve showing statis character of 250 watt vacuum tube used as oscillators in broadcasting stations W Fwds Washington 11/29 RB 12/15 W
651284	11/6 11/25	Phila S&A	Submits list of material comprising CW 936 radio telephone sets in excess at Yard W Fwds S&A 11/29
651623	11/28	Dept	Rel to Govt radio telephone broad-casting during "Safety Week". W.
651625	11/24	Hon. W. Underwood	Asks if Navy has a receiving set which could be loaned Alabama Polytechnic Institute.W To Hon C W Underwood(Sec Sig.) impossible to loan equipment 12/4

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
651652	11/22 11/29	Dept Agriculture Dept	Request of Weather Bureau for radio telephone apparatus. W. Fwds S&A 12/8
651652	11/22 11/29	Dept Agriculture Dept void see above	Request of Weather Bureau for radio telephone apparatus. W.
652316	12/6	To S&A 1659	Reqst shipment of telephones from Brook to San Diego W R
653177	11/28	No Source	Memo by Adm. Robison to Mr. Carey- Recommending radio World by Telegraphy "The 1922 entry of Radio into the home is the greatest addition to Xmas possibilities I have ever known" CW

Number.	Date.	From or To—	Subject.
649639	11/14	Western Elec Co	F ds comments on use of one ~~or~~ two ~~additional loud speaking receivers.~~ W
649419	11/16	To S&A 1504	Reqst shipment of telephones from Brook to Hamp Rds W RB 1/18/23 W
650427	10/4 11/15	CO NEW MEXICO Pac Fleet	Rqsts Pacent telephone plug be placed on allowance list for use with head telephones W
650723	11/17	Alliance Chamber of Commerce.	Inform rel to securing radio set W To Sec Chamber of Commerce (Asst Sec Sig) Gives action taken 11/25

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TELEPHONES RADIO

1922

Number.	Date.	From or To—	Subject.
642570	from card 88		To CO Anacostia- Fwds authd schedules for broadcasting by Govt. Dept. W 11/24
651132	11/10	R.E. Farnham	Ask if Arlington has any regular schedule for broad casting W To R E Farnham- no definite transmitting schedule has been arranged 11/29

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
647355	10/31	To S&A	Sale of apparatus- Not neccy for Bureau to purchase spare parts W
647854	10/31	Boston 602	Request allotment covering issue of TC radio telephones to DELAWARE FLORIDA AND UTAH W Boston 11/15 W To Boston- Gives instrns rel transfering of mat. cc S&A 11/21
648237	10/27	M Frank	Requests prices on radio sets. W To S&A-- Fwds corres 11/11. To Morris Frank- Gives Action taken 11/11
648628	11/3 No date	Boy Scouts of America Dept/	Ask if possible to secure receiving and broadcasting from Navy W To J E West (Sec Sig) Gives inform rel securing recg and broadcasting from navy W 11/18
648730	11/6	H.R.	Rqsts authority to draw radiophone receiving instrument from used material account for installation in Submarine Officers quarters W To Norf- authd cc Div 5 11/11 Norf 11/27 W CO CURLEW 12/5 W

Number.	Date.	From or To—	Subject.
632450	from card 83		To Inspr machy Phila- Instln of Apparatus- - Gives inform rel substitution of resistor cc Phila 11/10 W
649004	11/11	To MI - P H	Procedure- use of fanning or Bruce or other similar automatic relay Fwds cc Operns Circular letter 10/30 W

TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
646275	10/19	Hon. Fred.C. Hicks	Fwds letter from Jas. P. Boxton for infomration on obtaining broad-casting license for radio telephone. KW. To Hon Fred C Hicks- Gives inform rel licenses for amateur radio recg and transmitting stations W 10/21
646466	10/14	Swanson Elec & Mfg Co CANCEL	Request list of broadcasting stations in Country A W
646586	?	Wm Hansell	Rqsts inform of amperage to operate on W To W M Hausell- Gives inform 11/7
646643	10/18	Pac Coast Supt	World series broad casting. X Arrangements and Results.

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TELEPHONES: RADIO 1922

Number.	Date.	From or To—	Subject.
646281	10/24	To S&A	Parts for Radio telephones-procuring of-instrns W
647072	10/25	J.S.Bergen	Ask if can purchase Navy radio sets W To Jos S Bergen- Gives Inform 10/30
647099	10/24	G A Barlow's Co. Co	Rqsts instruction book for telephone sets W Fwds S&A 10/28
647230	10/26	Norf	Report of telephone received for Norf Radio Station W
647403	10/27	B.F.Tillson	Rqsts prints showing construction radio transmitter W To N J Zinc Co- Gives action 11/1 To Bd Survey appraisal and Sale- Fwds corres. 11/1

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
642490	9/22	Multiple Elec.Prod.Co.	Calls attn to Atlas head phones. W. To Multiple Elec Prod. Co- Gives inform rel mat submitted for test 9/27	
642570	9/22	Dept	Subm copy of standard procedure adopted rel to Government radio broadcasting. W. Dept Commerce- Next meeting 10/6.9/25. W. Bureu Standard 9/11- Fwds reading of committee W. Dept 9/28 W Fwds Anacostia cc Dir Comm 10/4 Dept 11/20 Fwds copy of authorizgs schedule for broad casting by Government Dept W	914
	card 91			
643361	9/29	Gimball Bros.	Ask if Cmdr.Hooper will be present at opening, radio broad casting station along with Hon. J. Hampton Moore. W.	
643417	9/21 9/28	CO WYOMING Atl.Fleet	Fwds sketch of main radio room in conn with elimination of sound proof booths in battleships. W. To CO via C-I-CComdr batlshp Force Atl. Fleet- Fwds prints cc Dept- C-I-C Pac Fleet- NY-C&R 11/29	
643730	9/26	Anacostia	Request transformersbe furn for use in conn with telephones for radio broad-casting. W. To S&A Reqst shipment of mat from Washn to CO Anacostia 1190 10/4	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
643932	10/2	Jno. Firth & Co.	Request report on test of telephone receivers. W.	
			To J F & Co- phones not yet tested 10/6	
			Jno Firth & Co.- Request report on funds	10/31 W
			To J F & Co- Navy Tests are made under Svc. conditions 11/28	
644549	10/6	Washington Yard	Design problem- 185-A- improvement of CW 936 radio telephone equipt. W.	
			To Washn- Redesign appvd 10/27	
			Wash 11/23 Submits estimates W	
			To Washn- Reqsts action be taken cc Dept	11/28
645819	10/11	A. W. Kennedy	Suggestions covering improvements radio telephone set. W.	
645515	10/17	To S&A	parts being purchased for- Request for discontinuance of W	
			S&A 10/19 Copy circular letter directing no spare parts be purchased prior to authzn. W	
645932	10/16	Ports	Model TE vacuum tube transmitter- fwds print. W	898
			John Firth Co 11/17 Test on phone W	

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Number.	Date.	From or To—	Subject.
639998	8/29	Atl.Destry	Recommends 15 CW 936 short range telephone sets be shipt from used material account to BRIDGEPORT for use of Destroyers Sqd. W. To S&A Reqst shipment of apparatus from Brok to CC 1077 9/16 To Atl Fleet- Gives Action taken cc Atl Fleet- Comdr of 9/19
640815	9/8	Marine Corps	Marine Band will be absent from Washington 9/18 to 11/18 on concert tour- concerts at Anacostia will be cancelled. W.
640814	9/6	Anacostia	Use of strip diaphram microphones for radio broad-casting- fwds comments. W.
641118	9/1 9/7	L. D. Benjamin Mare Isl.	Rel to loan of receive to Southern Calif Broad Cast Assn. W. Fwds S&A CC MI 9/16

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Number.	Date.	From or To—	Subject.	
641533	9/14	Dept	Radio telephone Broad Casting. Directs submit outline for coming year W To Operns- Fwds file of corres from all parts of country regarding raiophone band concerts 10/3 Dept- Fwds correspondence regarding navy radiophone band concert. 10/6 W.	
641963	no date	Signal Corpn	Radio Telephone receiving sets available for sale K	
2 643467	9/20	Washington	Report on operation of addtional parts received from GE Co. for TE equipts. W. Washington- Cannot investigate proper location of series condensers in loop antennas until receipt of complete equipt. 9/20 W. To S&A Reqst shipment of mat from Washn to Insp r machy Lake 11 49/26 To S&A Reqst shipment of apparatus from Washn to SO Ports 1143 9/26 RB 10/24 W RB 10/26 W	
642425	9/21	Phila.	Request plans for modification of CW 936 radio telephones for CW transmitters. W. Fwds Washn 9/25 RB 10/7. W.	

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TELEPHONE S RADIO 1922

Number.	Date.	From or To—	Subject.
635353	FROM CARD 84		Musical Monitor- Request picture of broadcasting station. 8/10. W. The Musical Monitor- Suggests Marine Band which is broadcasted 8/15 W
637615	8/14	Bureau Standards	Fwds report of advisory committee on Govt. radio broad casting, W.
636486	8/14	To Dept	Loan of apparatus for experimental purposes cc S&A Washn W RB 8/17 W Fwds Washn cc S&A 8/29 Fwds Washington 9/27 RB 9/23. W.
637823	?	???	Discussion of certain phases of radiophone broadcasting by Cmdr. A. H. Taylor. W.

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
633383	x 8/19	To Sec of War(Asst Sec Sig)	Broadcasting band music by radiophone from Anacostia- gives inform W	
638508	8/23	To Washn	Performance of Model "TD" set- reqsts com- ments W	898
47403	8/24	Inspr G.E.	Experimental work on elimination of harmonics from model TD sets satisf completed SW	629
638700	8/28	To O-I-C Bu Standards	Pair of head telephones submitted by John Firth for test- Fwds telephone receiver measurement W Bur Standards Labv.- Report on telephone comparison for sensativetor. 10/14 W To Washn- Fwds cc report 11/7 Washn 11/13 W	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
635676	7/31	Inspr GE	Fwds letter from R. J. Loewe requesting instructions book on model TD equipt. W. Fwds San Diego- cc Inspr mat GE 8/4	
631838	FROM CARD 83		Inspr Brook- Inform on 1/2 KW arc manufd by Firth & Co. 8/1 W New York 11/21 Submits report on inspection on test of 1/2 K.W. arc set from John Firth and Co W	
635751	7/28	G. H. Dalton	Ask if can furnish telephone receiver. W To G H Dalton- Gives inform 8/7 To S&A- Fwds post card from G H Dalton 8/7	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
635052	7/31	Memorandum for Dir Naval Commns	Interdepartment advisory committee on Government radio broadcasting. Reqsts addnl personnel be detailed to station to night watch and handle broadcasting W Anacostia laboratory To Dir Nav Communications- Rel to broadcasting 8/15 W	
635985	8/2	Communications	Fwds copy of letter from Scenic Film Co asking if Navy can use motion picture showing radio phone broadcasting station of Atlanta Journal W	783
635943	8/2	P Engstrum	Fwds Auto-voic loud speaker- -Request be tested WL	717
636206	8/5	To C. Anacostia	Radio broadcasting for other Government Departments- Gives Action W	
635690	8/9	To Norf	Reradiating Anacostia From Virginia beach- Reqsts results cc Dir comm- Anacostia W	

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Number.	Date.	From or To—	Subject.	
631992	FWD FROM CARD 83		To Hon J.H. Smitwick- Unable to loan equip 7/15 W To Hon Duncan U Fletcher(Actg Sec Sig) unable to loan equipment 7/14	
633110	7 /15	P. A. Bayless	Request inform and diagrams regarding radio telephones furn President Harding. W.	
633383	?	Dept	Gives inform rel to broad casting band music by radiophone from Anacostia. W. War Dept- 8/22 W	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
634078	7/17	Hon. H. Z. Osborne	Fire Warden Los Angeles County request radiophone and service be installed as a fire protection. KW. To Hon Henry Osborne (Asst Sec Sig) would be pleased to sell sets to Los Angeles County and reqsts inform W R 7/27	
633928	7/25	To Washn	Design Problem No 147A Modification to Model TC radio telephone Fwds W Washn- Fwds schematic diagram brake system .8/10 W	
635052	7/27	Broad Casting Com.	Recommendation cov rules and procedure on govt radio broad-casting. W. Communications- 8/4-Cannot detail addtl men to Anacostia station. W Communications- Gives schedule of public Health from 7:45 to 8 PM. 8/4 W Communications- 8/16 W	
635353	7/28	Communications	Dept-Rqst 750 Watt set at Arlington be modified so broad casting on 490 meters can be done. 7/18 841. Editor of the Musical Monitor- request info rel to experiment station at Anacostia. W Musical Monitor- 7/31 request expedite action. W To Editor of "The Musical Monitor"- gives Action 8/4 To Wm E Lamassena - Gives detld inform rel broadcasting concerts 8/9	
TO CARD 86				
635616	7/31	Bureau Standards	Fwds minute of meetings of Inter-Departmental Advisory Comm. on Govt. radio broad-casting. W Bureau Stand- Minutes of meeting held 7/27. 7/31 W	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
630491	6/29	Western Elec. Co.	Asks if satisf to furn type BB telephone sets with transmitters #323. W.
		CANCELLED- see 717	
631364	?	H.M Laper	Request inform rel to radio telephone receivers. W.
		CANCELLED- see 620249-876	
631838	7/8	Jno. Firth Co.	Fwds letter from S. G. Brown rel to his loud speaker. W.
TO CARD 85			Jno Firth & Co.-Rqst auth to have arc set tested at yard. 7/19 W.
			To Inspr mat NY- Gives instrns 7/25
			To NY- Gives inform 7/25
			To John Firth & Co impossible to test the arc set 7/25
631992	7/5	Hon. P. Trammell	Fwds letter from Pensacola Lodge of Elks requesting loan of wireless telephone set from Pensacola station. KW
FWD TO CARD 84			Hon. J. H Smithwick-Fwds letter from Pensacola Lodge of Elks rqsting loan of wireless telephone sets. 7/7 W
			To Hon Park Trammell impossible to loan eqpt 7/13
632030	6/30	Zeon & Co.	Ask what law requires in con n with instln of low power radio phone broad casting station at San Juan. W.
			Fwds Nav Communications 7/19 W
			Communications- Copy action to Dept of Commerce 7/20 W

TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
634838	7/12	To John Firth & Co	Rqsts loud speaker be fwd to bureau W To John Firth & Co-Prelim test satis 7/18 W	
632319	7/10	Communications	Fwds copies of corres concerning radio telephone broad casting apparatus for Rio de Janeiro Exposition W	652
632525	7/13	Communications	Copy of letter to Hon. W.T.Logan rel to interference by Chasn with radio broadcasting by L.B.Rubin Elec Co. W	908
632450	7/15	To Comdt Washn	Rqsts estimate cost of parts of Tuned Telephone. W Wash 7/24 Modification of tuned telephone fwds print W To Washn changes approved 8/5 Washington 9/1 W Washington 9/14 W To S&A- gives shipping instrns 10/6 To Atl Fleet Pac Fleets Instln of 10/14 W S&A 10/31 W	
		card 90		

Number.	Date.	From or To—	Subject.	
627782	6/9	Phila	Antenna ammeter for radio telephones. Recommendations covg capacity of W. To Navy Yds- Instln of Radio Telephone Gage & Type Antennas. W. To Phila- Alterations of telephone 7/8 Boston, Gives antenna characteristics. 7/12 W Chasn 7/11 W orts 7/12 W New York 7/24 W M.I. 7/20 Submits data covg antenna characteristics W Phila 7/26 W ~~14th Dist. Request prints be furn. 7/27 W~~ 14 Dist- Fwds prints 8/19 Calvte- 8/3 W	
627870	5/11 6/13	Cavite S&A	Report on radio telephone sets in stock W	
627839	6/14	To Miss Byrd Women's Natl Press Club-	Thanks for newspaper clipping on concert for benefit of Soldiers institute and for copies of song-- W	
627694	6/20	To NY	Broadcasting concerts by Marine Band from Anacostia D C- cc Dir Comms- CO Anacostia W Operations- Copy letter to 3d Dist. ? W. N.Y.- Not practicable to reradiate Anacostia signal from N.Y. Yard. 7/28 W	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
629790	?	Naval Intelligence	Report on wireless telephoning in Germany	W
630259	6/26	Sterling Devices Co.	Telephone head set- request test and permission to quote on. W. To Sterling Devices Co- R sts inform on any tests on telephones 7/1 W	
623074	from card 80		To John Firth & Co- Test has revealed as listed cc Washn W 6/29 To John Firth & Co- Asks for sample 7/12 W To John Firth Co- gives inform - reports of tests on apparatus must not be used as data of advertising 9/14	

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Number.	Date.	From or To—	Subject.	
625289	5/25	3d Dist. Copy	Radiophone test; report on. W. Bar Harbor-(T) Test unintelligible, 5/25 W Bar Harbor- Report on test (T) 5/26 W. 3d Dist: 5:26- Copy- Test unheard. W. Bar Harbor- Copy- report on test 5/27 W. 3d Dst- 5/27- Copy- report on test. W.	
623247	5/15	Shipt order	RB 9/8/22. Y	
624677	5/27	To C T Clagett Div Mgr C & P Tel Co	thanks for cooperation on recent broadcasting tests at stations W	
625166	5/26	To Chesapeake & Potomac Tel Co (Asst Sec Sig)	desires to broadcast by radiophone the addresses which Pres harding and Ex Pres Taft will deliver at Lincoln Memorial ceremony beginning at 2:30 may 30th gives instrns W	
625747	5/26	Paris Island	Ask price of radio telephone transmitter. W To Parris Island-Inform fwd to S&A 6/3 W. cc S&A	

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
626236	6/1	Western Elec. Co.	Fwds bulletin describing radio telephone broad-casting equipt. W.
626779	6/5	Western Elec. Co.	CW 8344 head set - request auth to furn #1 B head band on future orders. W. Western Elec. Co.- Request reply to letter of 6/5. 7/31 W To Western Elec Co- cc S&A- Washn 8/3
625210	6/6	To A B Bibbins	President's address at the dedication of Lincoln memorial at Washn was sucessful Gives inform rel W To A B Bibbins comments 6/10
627464	5/24 6/5	5th Dist Atl Fleet	Request assign short range telephone transmitting & receiving set for communication with ships in the Roads W Fwds Norf 6/15 DNC- Request action. W. 7/1 Fwds Dir commns 7/11

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TELEPHONES RADIO 1222

Number.	Date.	From or To—	Subject.	
621324	4/24	W.H. Morris	Request data on new wirless apparatus developed by Bureau Standards. W. To Dr. W.H.Morris- Does not have inform 5/3 W	
621467	4/28	Hon. E. D. Hays	Fwds copy of letter from S. G. Camp requesting pamphlets cov instln of rdio telephones W To S. G. Camp- Fwds cc memo prepared by bureau in regard to obtaining of radio apparatus for amateurs 5/3 To Hon Edw D Hays Gives Action 5/5	
621569	5/2	P/ F. Markert	Ask if any firms in vicinity of New York manufg. radio sets. W.	
35316	4/28	S&A	Fwds report from Ports submitting list of radio telephone matl held in stock SW	629
621736	5/4	To The Chesapeake and Potomac Tel Co (Sec Sig)	Reqsts that Company permit engineers to confer with Navy's personnel looking forward to equipping the headquarters with loud speaking apparatus- W C&P T.Co. 5/6 W.	
35316	3/28 5/4	Pearl Harbor S&A	List telephone sets in stock SW	629

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
621868	5/6	To S&A 218	Reqst shipment of mat from Boston to Medford Hillside W Am Radio & Research Corpn 6/16 Cannot adopt commercial use W
621678	5/4	To Pacific Fleet (T) 494	Model TC radio telephone vacuum tubes Western Elec make carry alphabetical letter to indicate proper filament voltage only tubes having like designating letter shld be used in parallel W
622912	4/29	C. F. Warner	Request working instructions for construction of wireless phone receiving set: W. To-- impossible to furnish details 5/13
623074	5/11	Jno. Firth & Co see card 82	Fwds sample of Seibt telephones being imported from Germany. W. To J F & Co- Gives Inform 5/17 John Firth - Seibt telephone head sets fwds. 5/18 W To J F & Co-- Gives Inform 5/23 To Washn- Gives instrns rel test of plans 5/23 Wash 6/22 Report on test of Seibt head telephones W
623637	5/15	Washington	Fwds various telephone prints listed W

Number.	Date.	From or To—	Subject.
618955	4/13	J. Whipple	Request price list on radio phones. W. To J Whipple- Fwds catalogue 4/20
605729	FROM CARD# 74		To S&A- Radio Telegraph apparatus for Sale. 4/22 W To Radio Corpn of America (Sec Sig) Thanks ofor liberal attitude in giving consent to sale surplus apparatus 4/21 Radio Corpn of America- Ask if desire to sell 4/7 W. To S&A- Gives inform 5/9 To S&A- Gives detld inform rel sets 10/18 To S&A- sale of telephone sets recommended 10/26 35316-629 S&A 11/16 Ask where radio telephone parts can be obtained W Fwds S&A 11/21 To S&A - Gives action taken 12/30 RB 3/22/23W S&A 2/21 Calls attn to their letter of Jan. 8 W Fwds S&A - Rel reducing of price of receivers 3/27/23 To S&A - Rel status of material 8/25/23
620394	4/17 4/24	Bar Harbor Boston	Subm report of results obtained on test of radio telephones at Anacostia. W. Chatham- 4/18 W. Bar Harbor 4/22. W. Bar Harbor 4/22 W. Fwds Washn 4/29 RB 5/11 W Bar Harbor- 4/28 W.(2) Boston- report on test. 5/5 W. Fwds Boston cc Dir Comm 5/16 RB 6/28 W Fwds Washn 7/8 RB 7/18/22.W

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.
620778	4/22	Gregory Krause Co.	Reports over hearing telephone message at Catonsville. W.
620856	4/14 4/27	Naval Reserves, Phila. Nav.Sup Depot	Request loud speaking magnavox horn be issued. W. Fwds S&A 5/2
621043	4/26	Hanrahan,- J. P.	Request inform cov amateur outfit for radio telephones. W. To J P Hanrahan Dept does not have cog over comm for amateurs 5/4
621052	4/27c	American R/R/Corpn	Co's truck will call at Boton to secure short range radio telephone set for test. W. To American Radio and Research Corpn Reqsts results of all tests 5/4
620879	5/1	To Radio Corpn of America	Reqsts be furnished inform showing details of radio telephone equipment used on board AMERICA W Radio Corpn of America- 5/3 W To Radio Corpn of Amer-- Ack receipt of report comments 6/8
14763-583	5/2	O.N.I.—Eng	Extract from letter re-wireless telephone device.

TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
618364	4/7	M Gern	Request pamphlet on sending and receiving wireless telephone outfit. W. To Mr Massey Gern- Gives list of firms that manufacture radio equipment W 4/18	
618172	4/13	To C-I-C Pacific Fleet	Information Recd Model Tare Cast Radio equipment inoperative account adjustment Western Elec tubes. Reqst report in details instruct Radio Aid Grimes make test and Submit report W Pacf.Fleet- (T) Subm report on test. 4/14 W.	
618176	4/13	To S&A 53	Reqst shipment of Telephones from Brook to CO W RB 6/10 W	
618177	4/13	To S&A 54	Reqst shipment of Telephones from Brook to CO W RB 10/16 W.	
618178	4/13	To S&A 60	Reqst shipment of T lephones from Brook to CO W RB 4/21 W.	
618306	4/14	To S&A 61	Reqst shipment of Telephones from Brook to CO W RB 5/20/22. W	

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Number.	Date.	From or To—	Subject.
618307	4/14	To S&A 62	Reqst shipment of Telephones from Brook to MI W
618308	4/14	To S&A 63	Reqst shipment of Telephones from Brook to Pug Snd W
618309	4/14	To S&A 64	Reqst shipment of Telephones from Brook to SO P H W
618310	4/14	To S&A 65	Reqst shipment of Telephones from MI To CO W RB 7/20/22· W CO MELVILLE- 5 radio telephone sets recd.8/22 W. To CO USS MELVILLE- Appvd rqst 9/1 W
618173	4/13	To S&A 50	Rqsts shipmt of Telephones from So Brook to Phila W RB 6/26/22·W
618188	4/15	To Mr. Robert Sanders	Fds literature on amateur radio W W
618311	4/14	To S&A 66	Rqsts shipmt of Telephones from MI to USS BUFFALO W

TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
616899	F ROM CARD 76		N.Y - (T) Report on test. 4/12 W.	

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TELEPHONES 1922

Number.	Date.	From or To—	Subject.
618332	4/8 4/11	American Forestry AssN Anacostia	Request certain inform be broadcasted. W. Fwds Communications 4/22 W
618001	4/13	To S&A ~~-1/1~~ 41	Reqst shipment of Telephone from MI to SO P H W RB 9/18 W
618002	4/13	To S&A 45	Reqst shipment of Telephone from Brook to SO P H
618174	4/13	To S&A 51	Reqst shipment of Telephones from SO Brook to SO Washn W RB 5/26 W.
618175	4/13	To S&A 52	Reqst shipment of Telephones from SO Brook to CO W

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Number.	Date.	From or To—	Subject.
616831	4/6	To Dept	Reqst of the Natl Committee of Disabled American Veterans of the World War to broadcast one of their concerts by radiophone from Aircraft Radio Lab Anacostia- Gives Inform W cc Dir Commns
616836	4/6	To Washington	Design Problem 168 Low Resistance Compensator Phones Reqst two phones be fwded to Bureau W Washn- 4/12 Head telephones turned over to Lt. Allen. W.
616838	4/6	To Washington	Design Problem 1850 transferred to 185A-Improvement of CW-935 Radio Telephone Equipments W Washington 4/11 W
616899 TO CARD	4/5 77	To NY- Norf (T)	Arlington will broadcast radiophone beginning 4/8 until further notice Report CW and speech strength cc Dir Commns- Washn W Norf- (T) Report on test. 4/10 W. Cancelled N.Y.- (T) Report on test.4/10 W. Cancelled - 3d Dist- 4/7 W. 2d Dist- Report on test T- 4/11 W cancelled- 3d Dist- Report on test W. 4/10 cancelled-
617371	3/22 4/5	Jos. N. Little Dept of Commerce	Asks if any telephone sets for sale W. To J N Little- Fwds Catalogue 4/11

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TELEPHONES RADIO N. Eng. 131 1922

Number.	Date.	From or To—	Subject.
617179	4/7	To Comdts Yards listed	Radio telephone- Requests arrangements be made by yards listed to cover regular Anacostia schedules sufficiently to report on CWam speech strength, modulation and percentage of speech which can be understood cc Dir Comms- CO Anacostia- Washn W To Boston, NY- Norf- Comdt 9 Dist-- Substitute arrangements have been made for Anacostia to transmit as listed 4/15 cc Washn CO Anacostia- Dir Comm 4/15 Boston Report on test. 4/24 W.
617909	4/3	Dept Interior	Tuttle Mountain agencies request radio telephones receiving set be furn. W To H J McQuigg- Gives Action 4/18
617871	4/7	H. Beckering	Request specifications cov wireless telephones. W To-- Fwds description of Amateur radio apparatus W 4/13
618188	4/11	R. Sanders	Request inform on wireless telephones. W.

Number.	Date.	From or To—	Subject.
615871	3/30	To Washington	Arc Radio Telephone- Reqst research Problem 64-C be assigned W
615678	3/30	To CO Anacostia - Yards- Bureaus listed cross	Radio Bulletin- Instruction to Speakers called on Phone by the Aircraft Lab W
616389	3/31	Norf.	Confirms telephone conversation in conn with loan of radio telephone set to Boy Scout of America for annual field day celebration. W.
615869	3/30	To Bigelow-Hartford Carpet Co (Asst Sec Sig)	All of the Radio Receivers which the Navy could dispose of through being no longer required and free from patent obligations have been disposed of W

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
616407	3/30	R. E. Gillmor	Request specifications of telephone head sets- asks what is best for amateur. W. To Mr. R.E.Gilmoor- Copy of Specfns will be fwd 4/3 W	
616188	4/4	To Spe Machine Tool Eng Wks	"Principles Underlying Radio Communications" suggested W	
616981	3/31	Pug. Sd.	Fwds vandykes of forced tuned system- for radio telephones- request be replaced. W To Pug Snd Fwds Vandykes 4/7	
617069	3/31	Anacostia	Request four 250 Watt transmitting tubes be furn Labr. W To S&A Reqst shipment of tube from Washn to SO Anacostia W 3/10 RB 3/16/23. W	
616835	4/5	To Dir Communications Naval	Radio telephone broadcasting from Anacostia- Reqst inform ref W To Dir Comm-- Gives inform radio telephone broadcasting from Anacostia 5/27 Communications 6/1 W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
615432	3/25	GE Co.	Fwds instruction book cov SE 1345 aircrft radio telephones, eqpipt. W. To GE Ack receipt of book 3/31
615678	card 75		
605729	fwded from card 70		To Dept of Commerce (Sec Sig) Gives data rel to the Radio Corpn in the matter of the supply of Radio apparatus to the public 3/24 W
TO CARD 79			CROSS TO DEPT OF COMMERCE cc Bu Standards-3/24 To Radio Crorpn of Amer- If waiver can be effected Navy will sell apparatus 4/3 W cc Mr. Sarnoff. Radio Corpn 4/7 W. Dept Commerce- Commerce Dept can take no action 4/11 W.
615740	3/25 ?	R. Skerrett Aviation	Request information be furn describing telegraph for aerial service. W. MEMORANDUM FOR COMMANDER COMAN- No inform on radio tele of sort reqstd 4/1 W
615869	3/25 3/28	Bigelow Hartford Carpet Co. Dept	Ask if can purchase radio phone. W.
615871	see card 75		

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Number.	Date.	From or To—	Subject.	
615446	3/29	To Western Elec Co	Reqst inform on the type of receiving Microphone employed for relaying of President's speech at Arlington and also during his inaugural address W Western Elec.Co. Subm recommendations with quotation 4/19 W To Western Elec Co- Gives instrns 4/29	
616109	3/20	Navy Sup Depot	Official data rel to 12 KW portable wireless telephone sets delivered at Navy Sup Depot from Army Supply Base. W.	
616188	3/29	Special Mach Tool Engineering Works.	Request publications on radio phones. W.	
616222	3/28	D. F. Deen	Request instrns for instln of radio telephones receiving set. W.	

Number.	Date.	From or To—	Subject.
613183	3/8	Bur Stand Labr	Fwds specifications for telephone current 916 comparator. W
613646	3/13	Coast Guard	Request inform regarding instln of radio 704 phone contemplated at South Balto. Coast Guard Sta. CW
614104	3/16	Bureau Standards	Request specifications for Navy head telephones receiver sets. W.
614105	3/13	S&A	Report covg radio telephone sets & spare 600-4 parts in stock. Request be furn K
614252	3/15	Anacostia	Reviews history of part played in development of broad-casting by radio telephones at Anacostia. W. Fwds Dept via Aeronautics Dir Commns 4/12 To Radio Aid L C Young (Sec Sig)- comments cc Aeronautics Washn 4/29 To A H Taylor via Navign- Co Anacostia (Sec Sig) gives comments cc Aeronautics W 4/29

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Number.	Date.	From or To—	Subject.	
35316	3/17	S&A	Fwds reports listing all radio telephone sets in stock SW	629
614480	3/18	Naval Intelligence	Calls attn supposed of J.H.Hammond cov receiving set for wireless telephones. W.	
		CANCELLED		
		PLACED IN CONFIDENTIAL FILES. P)		
614800	3/20	Bur Stand Labr	Telephone current comparator- specifications and operation of- fwds W. Bur Stand-Labr- Fwds instrns for calibration of receiving sets. 4/11 W. To MI Fwds instructions 5/6	
615142	3/23	Dept Agriculture	Fwds copy of letter from Western Elec.Co. To Kansas City Board of Trade rel to sale of broad casting equipt. W. To W A Wheeler- Gives Action taken rel loan of apparatus 4/5	
614386	3/22	To Dir Nav Intelligence	Request for Inform on purchase of German Modulating system for Radio Telephone transmitter W	898

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
610857	2/21	Washn.	Resch problem 42- design problem 110- cov duplex radio telephones - recommends be closed. W. To Washn-duplex radio telephone not reqd at present-3;1-W	
610911	2/18	Institute of radio Engineers.	Request detailed inform rel to radio telephony. W. To A.Goldsmith-2;24-W	
610960	2/18	S&A	Request list of all radio telephone sets in stock K	600-4
611456	2/20	H. Arbuckle	Request old radio telephone set be furn. W. To-- Gives Inform 3/3	
611543	2/20 2/25	Hon. B. L. French DNC	Request literature on telephones. KW. To Hon BL French-none on hand-suggests try Naval Institute-3;1-W	

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Number.	Date.	From or To—	Subject.	
611101	2;27	To Anacostia 704	Emergency life boat radio transmitter- reqt estimate for supplying for Coast Guard Anacostia- estimates cov sets for coast guard 3/1 W To Cost Guard Washn will arrange for loan of two sets for the life boat tests 3/10 Coast Guard 3/17 W. To CO Anacostia- desires to lend apparatus and appvs modification cc S&A 3/30 To S&A- Gives Action taken 4/1 To Sec.Treasury- Asks if experiments complete; asks return of equipt. cc S&A-Anacostia. 3/29 W	
612226	3/8	To Dir Communications	Gives schedule of lectures and concerts broadcasted at present from Anacostia for Amateurs of the country W	
612971	3/7	Hont. T. H. Caraway	Request C.E. Lasswell be furn with inform rel to procuring radio apparatus. K To--Reqst Inform 3/11 To Mr C E Laswell- Gives Inform 3/11	
612992	2/28	Hon V. M.Brennon	H.J. Res 278 Providing for insln & operation of radio telephone for transmitting procedings of Congress & for other purses at the Capitol.	615-26
613008	2/23 3/8	Atl Control Force Atl Fleet	FLORIDA only vessel equipt with TC telephones; type CW 1918 vacuum tubes have been installed on FLORIDA be not tested. W	398

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TELEPHONES RADIO 1922

Number.	Date.	From or To—	Subject.	
606617	1/26	Washn.	Comments with estimates cov improvement of fillament circuit of model TC transmitter. W. To Washn Gives Action 2/2	
NSA 438	NSA 22 2/2	To S&A	Antenna current radio telephone set Reqst inform WR	
608148	1/31	CO BRIDGE	Request instrns books for radio telephones. W To CO- Fwds Description and Instrns 2/10	
608185	2/3	Communications	Fwds request from Hon. J. L. Cable to sent out broadcast from Anacostia, material rel to "Abraham Lincoln, the Congressman"- W.	
608434	2/6	GE Co.	Fwds descriptive specifications cov 5 KW vacuum tube transmitter and radiotron. W. GE Co.- Fwds descriptive specifications cov 2 KW vacuum tube transmitter. 2/17 W	

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Number.	Date.	From or To—	Subject.	
607197	1/25	Pug Sd	Calls attention to unsatisfactory antenna system. Request allotment covg repairs K Fwd Dir Comms 2/8 RB 2/14 W Fwd Pug Sd-via 15th Dis-comments-desire Neah Bay equipment for emergency communication and that expenditures be restricted to this service-2/24-W	
606535	2/7	Phila.	Subm report on test of model TD tube transmitter. W	841
609261	2/10	Pug. Sd. (T)	Request radiophones be furn immediately for battleship replacements. W. To Pug Snd (T) Gives Status of shipmt 2/14 MI9 Rqst verify address of previous telegram-2/15 W. Pug. Sd. (T) Cannot locate their telegram 2/14. 2/16 W To Pug Snd (T) Reqst Inform 2/17	
610278	2/9	F. H. Jones.	Request outline of broad casting dates and times of wave engths used. W.	

Number.	Date.	From or To—	Subject.	
604265	1/11	Anacostia	E. F. Bachelier asks if station can broadcast speech of Senator Lodge on 363 meters. W. To CO Anacostia Auths use of transmitter by Senator H Cabot lodge on evening of Jan 21 to broadcast a message to Oxfordclub W 1/17 Fwd Dept via Dir Comms 1/19 RB 1/31 W	
569747	FROM CARD	64	Boston 1/12 W To S&A Reqst shipment of telephone from Phila to Omaha 9545 1/16/22 To Boston shipment authd cc Navign- Omaha 1/19 Phila. 1/26- Request action. W. To Phila Gives correction in shipment order cc Omaha 1/31 S&A 2/2 W. To Boston Reqst shipment of matle expedited cc Navign 2/9 Boston- Request instrns 2/14 W To Boston- rel supply of batteries 2/17	
603995	1/13	To O-I-C Bu of Standards	New type Selective Receiving System comments on W	See 898
603996	1/13	To MI	Ship Telephone Name plate Data Fwds W RB 2/4 W	

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Number.	Date.	From or To—	Subject.	
594181	1/ FROM CARD	67	Pacent Elec. Co.- Steel springs on plug will not effect same. 1/18 W	
605517	1/16 1/19	Falk Tele & Telegraph Co Dept	Calls attn to Co's types of radio telephones systems- W.	898
605729	1/24 see card 74	To Radio Corpn of Amer	Bu has for disposal five hundred Radio Telephone Sets Gives inform rel W Radio Corpn of America- 1/26 W. Radio Corpn of America- Subm detailed inform requested. 3/14 W	
606516	1/9 1/26	J. J. Quinn Aviation	Ask if Bureau is interested in kite balloon telephones. W To-- Reqst diagram or description of system cc Aeronautics 2/2	

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TELEPHONES RADIO 1921

Number.	Date.	From or To—	Subject.
599149	11/30	Pacf. Fleet	Modification of type TC radio telephones- fwds copy of recommendations. W.
593769		fwded from 67 card	To Ware Radio Co inc rel report recd from NY covering demonstration of duplex radio telephone 12/15 W
600298	12/17	To Washington	Improvements of Radio Telephone Apparatus- inform rel W Fwds report W

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TELEPHONES RADIO

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Number.	Date.	From or To—	Subject.	
601052	12/16	Washn.	Calls attn to error in wiring of model TE radio telephone equipt at radio test shop. W	916
601623	12/20	Dept Agriculture	Fwds request of Shraibergs for information on wireless telephones. W. To- Gives Action 12/29	
		1922		
603086	1/4	Aircrft Facty	Request auth instln of shore radio telephone equipt at Aircrft Facty previously assigned to Cape May. W. To Mgr Aircraft Fac via Comdt Phila- 1/14/22	
603304	1/7	To Washn	Reqsts that work of completing radio Telephone transmitter for broadcasting from Arlington be given Class A priority W	

Number.	Date.	From or To—	Subject.
596564	11/17	N.Y.	Ask if radio telephon set located at army supply depot, Survey #29, belongs to Navy. W. To NY- Gives disposition of radio transmitter 11/21 N.Y.- Fwds shipt ticket. 3/24 W. To G-I-C Brook- Gives disposition of radio set 4/18
596505	11/19	To Ge Co	porcelain socket unit; Reqst Vandyke be forwarded W Inspr GE Ask if type number has been assigned. 12/1 W
596908	11/19	Washn.	Subm list of special tools for model TB radio telephone equipt held in stock- request auth to furnish vessels. W.
597270	11/22	Citizens Tele.Co. Moringo,Iowa	Ask where Co. can purchase receiving apparatus for a wireless telephone station. W. To-- Gives Action 11/28 Fwd S&A 11/28
597895	11/23 11/28	Colorado Springs Clinical Labr. (H.H.Pratt) Dept Commerce	Request loan of radio telephone equipt for graphing heart and chest sounds. W Fwd War Department 12/2 To The Colorado Springs Clinical Lab Co- Gives Action 12/2

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TELEPHONES RADIO 1921

Number.	Date.	From or To—	Subject.	
586967	FROM	CARD 66	Washington- Report on test of radio apprs submitted by Jno. Firth & Co. W. 11/29 ~~John Firth-& Co-reqt report-12;7-W~~ To John Firth Co completed tests on apparatus listed encloses detld and complete report 12/9 To John Firth and Co instruments will be returned by express 12/12	
598206	11/30	C. Speaker	Fwds draft of patent claim cov method of modulation of high frequency wave generated by vacuum tube. W. To S&A fwds invoice 5/26	
598988	11/29	Pacf·Fleet	Copy of action to Battleship Sqd.4. giving corrections to instrns book for model TB radiotelegraph equipt. W.	

Number.	Date.	From or To—	Subject.
589093	10/11	To Washn	High Power telephone with Quenched spark power equipment- mat may be used on other tube work neccy W
590886	10/11 10/17	Atl.Bat.Shp Force Atl.Fleet	Recommendations cov alterations to type TC telephones. W. To Atl Fleet via C-I-C- Gives inform 10/25
591151	10/11 10/17	Batlshp Force(Atl) Atl. Fleet	Request data listed on radio telephones installed. W. To Atl Fleet- Fwds instrn booklet 10/27
591346	10/5 10/19	Chasn. S&A	Fwds manufg rqst cov radio apprs. W. Fwd S&A 10/22
591797	10/21	Wahington	Radio Ammeters supplied with model TB radio telephone equipment not satisfactory W
592492	10/20	Mare Isl.	Fwds report on model TD radio telephone equipt. W.
592569	10/25	Washb.	Report of inspection of sample head phone with shielded cords- fwded by Western Elec. Co. W. To Washn- Reqst Vandyke 11/3 Washn.-Fwds revised specifications and drawings for head telephone cords. 11/21 W.

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TELEPHONES 1921

Number.	Date.	From or To—	Subject.	
593769	10/28 11/1	Ware Radio. Communications	Request auth to give demonstration of duplex radio telephone. W.	
			To-- Gives instrns 11/5	
			To NY- Gives instrns rel test of duplex telephone 11/5	
594122	10/27	Pacf. Fleet	Fwds copy of instrn for calibration and operation of RC apparatus with comments on. W.	
			To C-1-C Pacific Fleet- Gives comment 11/15	
54122	10/31	Inspr GE	Fwds print showing remote control equip for Model TD sets. SW	629
594181	10/28 11/3	Pacent Elec Co. Washn.	Calls attn to Co's telephone plugs. W	
			To-- Gives Action 11/5	
			To Washn. Gives instrns 11/7	
			Pacent Elec. Co. 11/16 W	
			To-- Gives inform 11/23	
			To Washn- Gives instrns rel inspn of sample of pacent plug 11/23	
595435	11/10	Washn.	Subm list of spares for radio head telephone in store- request auth to assemble 90 pairs. W	
			To Washn suggestion appvd and work authd 12/1	
596087	11/18	Hon. S. A. Kendall	Fwds request from E. R. Begges requesting inform on radio telephones. W.	
			To Spec Agent Connecticut General Life Ins Co- Gives inform rel descriptive pamphlets 11/19 "	
			To Hon S A Kensall- has no free literature 11/19	

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N.Y.-Comments on test of telephone developed by Mr. Ware. 11/19 W.
N.Y.-11/29-Report on test fwded 11/19
To NY Gives Action 12/14

CARD 70
Pacent Elec.Co. 12/14 W
Washn-Report of inspection of Pacent plug. 12/15 W
To Pacent Elec Co- Reqst plug be submitted 12/22

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Number.	Date.	From or To—	Subject.	
581390	8/18	Jno. Firth Co.	New capacity Mullard grid leak and monotone telephone receiver sent to Radio Test shop for test. W. Jno. Firth- Request return of material submitted for test. 1/23 W. To-- Gives Status of shipmt cc Washn 1/28	
582217	8/22	Washn.	Instrn booklets- fwds for TB type. W.	
49333	8/26	NORTH DAKOTA	Fwds corrected instrn book pages T C telephones. SW	629
584285	8/29	D.N.C.Frisco	Request authority to tuen in short range telephone set which has been in use at headquarters, 12th Dist. W. Fwd MI 9/12 RB 10/27 W. To MI- Gives Instrns rel telephone set cc C-I-C 12 Dist- Pacific Coast Comm- Air Comm 11/3	
584341	8/30	Walter R. Wood	Request information. W. To Mr Walter R Wood Gives Inform 9/10 To Pug Snd- Gives Instrns 9/16 RB 10/15 W.	
586321	9/19	Western Elec Co	Fwds letter from Shipping Board at Norfolk requesting book on operation of W To Shipping Board- Fwds Correspondence 9/22 Ship Board- Returns correspondence. 9/29 W	

Number.	Date.	From or To—	Subject.
586586	9/20	Insp G.E.	Ask if satisfactory for G.E.Co to furnish Ensign J.B.Dow with Photos of model TC telephone aparatus W To Inspr GE 9/28
586967	9/22	Jno.Firth Co.	Co. has developed shielded telephone plug- ask if Navy can use. W.
CARD 68	Jno. Firth & Co.- Request test shop hold test. 10/1. W. To Washn rel test of apparatus 10/12		To-- Will test telephone plug 9/26 To Washn Authd test 9/26
587278	To J Firth Co rel test 11/23 9/15 9/20	CO MISSISSIPPI Pacf Fleet	Calls attn to trouble in main generator units of model TC radio telephone sets. W.
587339	9/26	Washn.	Fwds copies of instrn booklets on model TB radio telephone transmitting set. W.
587771	9/26	R. H. Block	Request quotation on audio receiving set and wireless telephone. W. Fwd S&A 10/1 To-- Gives Action 10/1
588815	9/6	Pacf. Destry	Recommends relocation and extension of radio telephone on bridge of destrys -fwds sketch. W
589798	9/19	Pacf. Fleet	Use of radio telephones by fleet- report an advantages and disadvantages- W.

TELEPHONES 1921

Number.	Date.	From or To—	Subject.
570027	6/15	American Gas Accumulator Co.	Ask if Bureau will consider purchase of duplex wireless telepjone from Co W To CO OHIO 6/23- reqst report W To CO OHIO—Directs return material. 8/8 W To Amer Gas Accumulator Co- Compars favorably 8/6 W
		American Gas Accumulator Co. 8/10 W.	
570131	6/16	Washn.	Recommends Stromberg Carolson head phones used with TE equipt be replaced by Western Elec type. W
570111	6/15	City of Buffalo	Ask if police Dept can use a special wave length for transaction of police business. W. ~~Mog sent to NIC for action~~ fwd Commun 6/23
570635	6/18	Norf.	Test of model TB radio telephone equipt fwds report. W.
542324 from card 61			To Puget Sd (T)- instaln addtl 2 microfarad condenser 6-24 To Puget Sd T 6-28 Pug. Sd.- (T) Lists addtl radio equipt recd for battleships. 6/28 W. San Diego- (T) Work can be completed if insulators are recd. 6/30 W. To Comdt Puget Sd 7/2 Pug Sd 7/1 T. all battleship radio telephone equipment received except for IDAHO W To Puget Sd Tel 7/1 To Puget Sd via C&R 7/9 Pug Sd-T-no funds available for radio alterns on battleships listed 7;12-W To Puget Sd Tel 7/15 To Naval Commun 7/21 RB 8/23 W. Pac Flt-T-reqt 5 k3 arc turned in by WYOMING be assigned to TENNESSEE 7;22-W C&R- Copy action to Pug. Sd. 7/23 W. Pug. Sd.- Fwds prints showing arrangements of transmitter room on board MISSISSIPPI. 7/25 W To Pac Fleet Tel 7/25 copy Puget Sd
		Pug. Sd- (T) Rqst approval of proceeding with house design on NEW MEXICO. 8/10 W. To Pac Flet 8/11 To Puget Sond (T) 8/11 Pug. Sd. Report on condition of apprs. 8/8 W. Pug. Sd.- Report on test 8/8 W fwd Wash 8/17 RB 11/23 W Fwd Washington 8/19 RB 11/25 W. Pac. Fleet- (T) Rqst MI be authorised to delivery transm to TENNESSEE. 9/1 To MI (T) issue of kilowatt Arc Model K approved 9/2 Pug. Sd- Copy action to N.Y. 11/1 W	

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Number.	Date.	From or To—	Subject.	
507392	7/1	Washn.	Investigation of improvement of telegra hones-report cov with sketches. W.	900
49333	6/29	Inspr G. E.	Fwds G.E.Co report on test of various battleships of T.C.radio equipment S&Q	629
575067	7;14	Washn	Report of trip of H.Graf,radio Laboratory to PENNSYLVANIA in connection with model TC radio telephone equipment.W	
47403	7/8	Inspr G.E.	Fwds test reports on T-D radio telephone equipment from various stations. S&W	629
54189	7/13	Inspr G.E.	Fwds description and operating instructions covering remote control equipments, model TD shore station radio sets SW	629
578613	7/29 8/1 8/2	A. H. Bowman Hon. C. F. Ogden Communications	Ask names of manufgs of wireless telephone outfits. CW. To--Submits infor reqted. 8/8 W	
578780	8/6	To Cdr. Cf. Atl Fleet	Rqst report on mo el TC radio transmittors and recommendations cov. W	898

TELEPHONES

Number.	Date.	From or To—	Subject.
564018	5-19	To Puget Sd (T)	Have model TC radio telephones been recd for WYOMING, TEXAS, ARKANSAS, NEW YORK wire reply. W
From card 63 To Puget Sd		Tel 7/1	Pug. Sd. 5/21- T- Radio telephone recd., W. To Puget Sd Tel rel allotment 6/9 Pug. Sd- Subm estimates 6/20 K W To Puget Sd T- 6-29 Pug-Sd- Copy- Rqst SYA make plans cov acctg for material enroute 6/28 W
564051	5/18	A. F. Collins	Request report on longest distance wireless telephone messages were recd. W. To AF Collins 5-24
564017	5/20	Fwd Intelligence Publicity	Radio Corpn of Amer req permission to publish photo of trans. W
565483	5/17	State Of Nebraska Dept Agriculture	Rqst inform rel to radio telephones for intra-state use. W.
566131	5-28	To Norfolk	Report rel type TB radio telephone sets W
567006	5/7 5/28	Nav. Attache London Nav. Intelligence	Fwds instrn books cov Marconi telephone telegraph field sets. W.
567101	5/23	Europ Forces	Wireless telephone apprs fwded to America. W To N.Y. 6-3 N.Y.- Subm list of material recd. 6/30 W To N.Y. status of radio tele recd from Brtsh Admiralty 7/11 copy NSD

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TELEPHONES

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Number.	Date.	From or To—	Subject.
567647	6/3	MI (T)	Model TC radio telephones recd. Rqst location extensions W. To M.I. Tel 6-6
567322	6-4	To Phila	Radio tele- Destroyers BLAKELEY BARNEY BARNEY BERNADOU CROWNINSHIED instaln of new radio telephone antennas. Fwds bprints W copy Atl Fleet CO's
568050	6/6	Boston T	Request further instruction relative to installation of T.B.Telephone on UTAH, FLORIDA, DELAWARE & NORTH DAKOTA. W.
568630	6-10	To Puget Sound	Rel shipmt of telephones for ARKANSAS W To Boston Tel 6-15 Bost- (T) 56 telephone in used material account. 6/16 W Shipt order from Bost to Newport 6/17 7879
568627	6-13	To Atlantic Fleet	Instaln of type TB sets - results of tests. will be decided later. W copy Oprns.
569747 RB 11/25-W CARD 70	6/13 6/14 ~~10/8~~ Omaha 10/8	Dept Communictions To Boston via Navign- Gives Action cc Naval Reserve hdqrs RB 11/18 W Fwd Boston 11/29	Bur Engineering authorized to loan complete radio telephone set to Naval Resve. Omaha Nebr. W. Shipt order from Boston to Omaha Neb/ 6/20 7893 To Boston 10/8 RB 12/10 W
569852	6/15	Ordn.	Fwds letter from J. L. Peters regarding combined ratio telephone and telegraph receiver and transmitter - fwding prints. W. To J L Peters 6-22 To Ordn- returns letter giving action 6/23

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TELEPHONES 1921

Number.	Date.	From or To—	Subject.
556102	4/4	Huron Syndicate	Ask if wireless telephones are being installed on vessels by private firms. W. To - Western Elec Co will furn inform 4/11
557037	3/22 3/23	Washn. Dept	Fwds beneficial suggestions by G.W. Carpenter and W. L. Carlson covering shielded telephone cord. W. Fwd Dept 4/18 RB 4/21 approving award of $300. W.
555745	4/12	To Pug Snd	Reqst be informed as to number of Model radio telephones which have been received to date W Pug Sd. 4/3 W.
557546	4/12	P. Shore	Request inform rel to purchase of radio telephone removed from chasers. W. To Philip Shore Sets cannot be sold by Govt 4/19
558042	4/16	Inspr GE (T)	Ask if GE Co. representative should be sent to Guantanamo rel to CT radio sets. W. To Inspr GE Desires inspn of app be undertaken on arrival of fleet in U S about May 1 4/18
558261	4/16	Destry Flot Copy	Rqt approval of requisition to draw one radio telephone set complete for emergency use. W. To Chasn (T) issue one set authd if available in Used mat account no expenditure funds authd 4/18 To Flot 5 (T) Appvd 4/18
559270	4/21	N.Y.	Request pair of Pickhardt adjustable head telephones for use with audibility meters. W. To DM NY Gives instrns 4/28

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TELEPHONES 1921

Number.	Date.	From or To—	Subject.	
561180	5/2	To G E C(T)	Reqst have engineer at NY Wed 9 Am 5/4 conn with conference with Bu and Fleet representatives W Inspr GE- (T)-Representatives will report at NY. 5/4 for conference rel to battle ship radio sets. 5/2 W. GE Co. 5/3 W	
562917	5/9	Washnington	Fwds instrn book for model TB radio tele equipt. W.	
563405	4/28	CO WILLIAMSON	Radio telephone sets installed on destrys subm schedule with recommendations cov remedying of certain trouble. W. To CO WILLIAMSON 5-17	
563511	5/12	Atl Flt T	Recommends type TB radio telephones be not installed on battleship but type TC now installed be shifted W	493
564376	5/2 Inspr GE 5/21	Dept W.	Fwds memo rel to rqst of radio telephone for Evening News of Detroit. W. To Evening News 5-18- fwdg to GE Co. W To Inspr GE- 5-18 GE Miller- Copy-Rqst action. 5/17 W To G.E. Miller 5-20	
564008	5-18	To Comdt Puget Sound	Models TB and TC for battleships of the Pacific Fleet. Pug. Sd- (T)-Subm list of addtl funds required. 5/5 W	
564870	5-18	To Western Elec (T)	Expedite delivery type TB tele sets shipt from Chicago never recd trace and info when delivery may be expected W	

Card 6

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Number.	Date.	From or To—	Subject.
547771	2/19	Western Elec Co.	Ask if any objection to furnishing radio equipt to Chief electrical engineer Sydney, Australia W fwd S&A 2/25
548361	2/23	Cooper Underwear Co:	Ask if wireless telephones service could be installed between Co's factories Kenosha Wisc and Manistee, Mich, accross Lake Mich. W. To- 3-1
548850	2/25	N.Y. Western Elec. Co. 3/12 W Fwd Intelligence 3/16RB 4/18 W To Shipping Board fwds cc of let rel type telephone 4/26 Ship Board- 5/3 W.	Ameteur radio instln-fwds pamphlets from magazine QST calling attn to vacuum tubes being in use which should not have been offered for sale. W. To Western Elec Co-, asks rel telephone sold to Mr. Hewitt- 3-5
542332	3/2	Washn.	Fwds report on test of sample of TB Duplex radio elephone set. W 911
549911	2/28	Cooper Underwear Co.	Request advise rel to connecting factories with radio phones. W. To 3-7 Communications 3/10 W. To 9 Dist Fwds Corr listed 3/18
549806	3/3	Radio Corpn of America	(R.H. Ranger) Will call at Bureau 3/8 to inspect telegraphone high speed equipt. W
550741	3/8 3/10	Hon. A. E. B/ Stephens Communications To E A Gast Cincin- Gives Inform re bulletins 4/19	Request fwd pamphlets and bulletins rel to telegraphy and telephony to E. A. Gast. CW To Hon Stephens 3-14 County Surveyor, Cinn.-Rqst bulletins be furnished. 3/28 W.
550753	3-14	6586 To S&A	Reqst shipmt of radio phone from Wash to Puget Sd W 6586 RB 5/31 W.

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TELEPHONES 1921

Number.	Date.	From or To—	Subject.
551683	3/15 To Comm of Navign Gives action 3/19 To Navign Reqst inform 4/18 Dept of Commerce- 1/25 W	Dept Commerce	Fwds copy of letter from Radio Inspr Detroit indicating need of complete wireless telephones and receiver- ask if loan can be made. W. Fwd 9 Dist 3/19 RB 4/6 W.
551978	3/11 3/17	First Natl. Bank Emmitt, Idaho. Communications	Ask what Co. can furm wirless telephone sets. W. To First Natl Bank Gives Instrns 3/19
551981	3/19	To Comdt- 9 Dist-MI-Pug Snd P H	Advance inform concerning tel equipment to be installed at certain shore radio stations W
552504c	3/22	To Boston-Phila- Key West- Ims NY-Norf	Fwds Descriptions of model TD 750 Watt output telephone sets W
553783	3/25 N.Y. 5/7 fwd S&A 6/11	N.Y. K	Fwds corr spondence and bill from N.Y. Telephone Co. for telephone connection with Madame Tetrazzini t K fwd S&A 5/12 N.Y. 5/14 W
555465	4/4 Fwd S&A 4/9 Fwd S&A 4/9	W. Grimm	Ask if can purchase loud speaking telephone from Navy Sup Depot. W. To --Will appre an order from Dept for a loud speaking tel and inform re cost 4/4 Bu is arranging for GE Co radio rep
555735	4/6	To C-I-C Atl Fleet (T)	To visit fleet for purpose examining radio tel set; Reqst inform W

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[OVER.]

Number.	Date.	From or To—	Subject.	
539734	1/7	Dept	Copy of letter to Dr. L/ W. Austin authorizing publish manuscript on wave front angle in radio telegraphy. W. fwd Bureau Standards 1-14	
~~539865~~	~~xxxxxxxxxxxxxxxxxxxx~~	~~To xxxx~~ ERROR	Reqst shipmt of battery from Washington to Navy Bldg. W	5915
541349	1/10 1/19	Dr. R.S. Reiff Communications	Request inform rel to wireless telephones. W	
541399	1/19	Washington	Ask what tests are desired on model TB Duplex radio telephones equipt subm by Western Elec. Co.	
541542	1/18	American R/R/Corpn	Ask if proposed wireless transmitters of President Elect Harding innaugural address will be of a wave length of 25 meters. W. To 1-25	
542325	1-25	To CO NORTH DAKOTA	Reqst return of copy loaned to CO W copy Boston	
542323	1-25	To Mare Island	Fwds copy of instruction book. W	
542322	1-25	To CO FLORIDA	Fwds instructions books for use on board W	
541785	1-24	To Washington	Design problem 130- covering design of master oscillator- power amplifer radio tele set. W Shipt order from Phila to Wash 7/9 8069	

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TELEPHONES

Number.	Date.	From or To—	Subject.	
542324	1-26	To Puget Sd card 65	Fwds copies of instruction books W copies to CO'S Ships. W	
TO CARD 65		Pug. Sd.- (T) Ask if type SE 1694- insulators should be installed in re-drilled bakelite. W. 5/26 W.	To Comdt Puget Sound- instaln of radio equipment during overhaul WYOMING ARK NY TEXAS 5/15	
542866	1/25	To Puget Sd Tel 5-31 Washington	In conn with changing power equipt for model TC radio telephone equipt from 125 volts to 240 volts. W.	
48709	1/21	Washington	Fwds minutes of conference on sample model TB radio telephone equipt. SW	629
544267	1/28 2/2	C. E. Will Communications	Request inform rel to instln of wireless telephones W. fwd Com 2-7 To T E Will- gives addresses of manfg 2/8/21	
544892	2/4	Washington	Fwds memo on association of Radio Telephone sets with metallic telephone circuits- and report covering visit of representative of Signal Corps. W. To Signal Corps 2-14	
545227	2/5	Washington	Calls attn to certain points brot out in test of manfg sample of model TB Duplex radio telephone equipt submitted by Western Elec. Co. W.	
546268	2/8	D. M. Key	Ask where necessary information for telephone receiving can be secured. W. To D.M Key- gives names firms 2/16	
547407	2/18	Washington	System for radio telephone systems- recommendations covering changes in. W.	
547637	2-23	To S&A	Reqst shipmt of radio phone equi from NY to Ana polis for OHIO W 6410 RB 5/23 L	
		Amendment 6420 2/25 To CO OHIO 3-2		

TELEPHONES: 1920

Number.	Date.	From or To—	Subject.
534334	12-13	To Boston- NY-Norf T	Engr GE Co available consultation conn instal radio phone on battleships. Reqst advise. W
		N.Y.) (T) Consultation with GE Co Ingineer desireable upon instln on PENNSYLVANIA completed. 12/15 W	Boston- (T)- Rqst expedite GE wiring diagrams. 12/14 W.
534468	12/8	A. S. Keszthelzie	Calls attn to invention applicable to receivers and transmitters for wireless apparatus - ask if interested. W.
		Fwd Washn 12-29 Bur Stand Lab-fwds comments on design problem 127-C) 1/11 W. To A. Keesztihelyi- 2-7-21	To A/S/Kesathelzi- 12/15 A. S. Kesathelzi- Comments on. 12/22 W.
534508	12/6 12/8	A. H Rice Anacostia	Request permission to demonstrate wonders of wireless telephony with Anacostia transmitter. W To A.H.Rice 12/16
			Mrs. A. M. Clark- Acknowledges courtesies extended by Bureau W. Fwd CO Anacostia 1-14
534263	12/6	Pug.Sd.	Copy of letter to C&R in conn with failure of Diehl Mfg.Co. to make delivery of fans for sound proof booths . W.
534812	12/15	To Bureau Standards	Rel design problem 118- test of tuned telephone W To Washington 12/15 To Bur Stds 1/5
			Bur Stand Lab- Fwds print with report. 12/30 W
534817	12-16	To Norfolk	Instaln of new equipment OKLA and NEVADA copy Atl Fleet To Comdt Boston instaln UTAH DELA N DAKOTA 12/16 copy Atl Fleet To N.Y. instaln PENN ARIZONA 12/16 copy Atl Flt Atlantic Fleet. Comments on 12/23 W To Boston NY Norf Tel 12/30 copies to Fleets and CO's
535373	12/17	Inspr GEe (T)	10 radio telephone sets being shipt by express to N.Y. W.
535394	12/20	To Boston T	Rep from Bur and GE Co will report Dec 27th in conn instal radio phone trans W To Norf Tel 12/20

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902: TELEPHONES:

Number.	Date.	From or To—	Subject.
535368	12;23	Inspr GE T	TC sets will be delivered two per week. W To Inspr GE (T) Reqst inform 12-22 To Inspr GE. (T) Gives inform 12-24
536500	12;20 12;23	Hon. L.T. McFadden Dept	Request send C.L. Tewksbury publications relative to wireless telephones. W To Hon M cFadden 12/30
537140	12/31	To Boston Tel	Rel test on phone on UTAH. W Boston- (T)- Satisf test could not be obtained. 1/4 W.
		Atl. Battleship Force. Copy of action to Atl Fleet- 1/21 W	
314 537413	? 12/29	J. W. Shannon Communications To	Rqst literature on wireless telegraphy and radiophone. W. Gives info 1/3/21
537664	12/30	Western Elec. Co.	Are setting up sample TB radio telephone set for test. W.
538071	1/3	Communication Supt	Copy of letter to Radio material officer NY rqsting medium power radio telephone set be supplied for instln at N.Y. W.
538972	1/5	Communications	Internatl Prod. Co. rqst inform rel to radio telephones. W. To Internal Prod Co 1-14-21
C13735-201	1/5	O.N.I.--Eng	Radio Telephone between AOMORE & Hakadate.
539406	1/10	Washington CANCELLED- see 49333- 629	Subm data and suggestions rel to fillament control of model TC radio telephone equipt W

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[OVER.]

Number.	Date.	From or To—	Subject.
525916	10-27	Naval Int	Fwds report on wireless telephone and direction finders used in Japanese navy; W
526041	10-26	Atlantic Paper & Pulp Co	Request info rel to establishing radio telephone sending and receiving set; W To 11-13
527245m	11/2	S&A	Fwds correspondence in conn with sale of radio telephone equipt to Submarine Signal Co. Ask if will authorize. W. fwd S&A 11-13 W
527302	11/3	PCCS Copy	Ask what stations in East transmitted 11/2; excellent record made on telegraphone. W
391836	from card 34		To Comdr Taylor. action taken on amendment 11/15/20 To Comdr Taylor- fwds coy of amendment 11/23
529783	11/13	War Dept	Fwds article on radio telephone circuits modulation written by W. A. MacDonald. W

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TELEPHONES

Number.	Date.	From or To—	Subject.
530965	11/23	Bur Stand. Labr	Suggests power equipt for future vacuum tube telephone and telegraph sets to be used by the Navy. Report of C. Speaker covering.
531726	11-30	To N.Y.	Reqst yard N.Y. authorize radio technical assistance to cooperate with Comdt 3rd Dist rel program to be given by Mme. Tetrazzini. W cop Comdt 3rd Dist
531726	11/27	Communications	Request arrnagements be made at N.Y. for Madame Tetrizini to sing into a radio telephone at N.Y., week of 11/28. W.
531744	11/12	War Dept	Cavalry pack set, signal Corps, - fwds photo drawings, etc. covering. W.
532353	12-4	To Comdt Boston	Location of motor generators for model TC radio telephone on battleships W copy CO UTAH DELA FLA. To IM Norf 12/4 copy OKLA NEVADA
	Boston- estimates.	Gives explanation of W	
532365	12/7	To S&A	Reqst shipmt of radio telephone from F.S.B to Airc Radio Lab Anacostia W RB 1-8
533613	12-11	To N.Y.	Suggestions in re sale of radio telephones type CW 936- W copy S&A(separate letter) RB 3/16/21 To S&A 12/13 To Radio Corpn- rel demonstration of phone in order rep of Co may witness same 12/11
	N.Y. Survey 3d Dist.	Copy of action to Board of 1/25 W	
	To NY 1-29-21 Fwd S&A 3/25		
534141	12/6	Communication Labr, NY	Request report on radio transmitters of Madame Tetrizini's voice and monthly radio reports. W To 3rd Dist 2-7-21 RB 1-21
	To Dr Goldsmith Director 12/14 To Comdt 3rd Dist, reqst info rel reports supplied radio companies		
534331	12-13	To Norf T	Have model TC radio telephone trans for NEVADA and OKLA been recd wire reply W To NY Tel 12/13
	Norf- (T) report 12/27	Rqst GE Co. engineer 12/15 W	
	Norf- (T) TC and OKLAHOMA	transmitters for NEVADA recd. 12/16 W	N.Y.- (T) TC telephone transmitters for NORTH DAKOTA recd. 12/14 W

12/14

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TELEPHONES: 1920

Number.	Date.	From or To—	Subject.	
513614	8-30	To Bur Standards	Fwds copies of reports recd from Signal Corps, on research work. Bur Stand. Labr- Returns reports/ 9/10 W.	W
514528	8/25 CANCELLED see 486452-652	Italian Embassy	Ask if telephone equipt requested last year is ready. W.	
514826	8/31	Western Elec. Co.	Fwds instrn book and photostat of circuit diagrams. W. To Western Elec 10/6	
514879	9-3	To S&A	Reqst shipmt of phones from FSB to N.Y. W F.S.B.; no batteries available; 9-11; RE 10/12 W.	W
515786	8/31	AROOSTOOK	Asks when medium powr air craft radio telephones will be issued W	918
518864	9/18	Hilltop YMCA Radio Club	Ask if any wireless telephone sets for sale. W fwd S&A 9/28	
520131	9/23 9/27	Washington S&A	Request instrns rel to sale of Guantanamo radio apparatus. W. fwd S&A 10/4	
520847	10-5 Norf. 12/15 W	To S&A	Reqst shipmt of radio telephones from Washington to Norfolk W RE 11/4 W. Shipt from Washn to Boston 10/5 Shipt from Washn to NY 10/5 Canc of shipt reqst of 10/5 11/9 (5102) Canc of shipt order of 10/5 11/9 (5101) Canc of shipt order of 10/5 11-9 (5100)	
		To M Norf Fwds cc of SO let 11/9 12-27		

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TELEPHONES

Number.	Date.	From or To—	Subject.	
520749	9/24	Mare Island	Fwds special report covering telephone instln with print. W.	
521058	8/19	Western Elec. Co:	Are endeavoring to expedite manufg of telephone sets. W. Western Elec. Co. 8/13 W.	
521408	10/5	Ports	Request copies of instrns cov radio telephone equipt be furnished. W. To Ports 10/12	
521932	10/8	American T/T/Co.	Fwds copy of licence agreement between GE Co. and American T/T/Co. W.	
522891	10/18 Norf. 11/26 W Reqst canc of shipt reqst 10/18 12/7/20	To S&A	Reqst shipmt of radio phone from Norfolk to Anacostia W Norf. 10-27: W To Norf Gives instrns 11-24 RB 12/2 W.	
521838	10-19	To Amer TT Co.	Acknow letter of 8th enclosing copy of license agreement entered into between Co and GE Co. W	
524439	10/20	Naval Intelligence	Report from Technical Review in conn with development of high power wireless telephoning FW Communications 10/22 W.	

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[OVER.]

TELEPHONES 1920

Number.	Date.	From or To—	Subject.	
501873	6/27	Radio Corpn of America	Dr. Goldsmith ready to set up 10 Watt radio phone set for demonstration at any time W.	
502299	6/23 6/29	3d Dist. Communications	Recommends install radio telephone transmitter and receiver in central communication office, of District. W. To So Brook. radio phone for Whitehall disapproves 7/2	
501429	6/16	War Dept	Request 3 sets of radio telephones be loaned to Fort H.G. Wright. W	727-1
503748	7/2	Hon T. J. Scully	Request fwd E.Sherman inform rel to wireless telegraph and telephone systems. W. To T.J. Scully- have none available 7-13	
503804	6/29 7/6	Bd Survey 4 Dist S&A	P A. W. Fitzimons ask if Bur proposes to sell any radio apprs W. fwd S&A 7/13	
505246	7-15	To Bureau Standards	Fwds memo subm by J.E. Parker on proposed system of modulation for radio telephony. Reqst comments. W. Bur Stand.Labr. 8/23 Comments. W.	
506970	7-26	To Bur Standards	Reqst comments on memo for Comdr Hooper from Mr. Parker covering radio telephone system W Bur Stand.Labr- Comments on. 8/23 W	

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902 TELEPHONES:

Number.	Date.	From or To—	Subject.	
507892	7:27	Boston T	Request authority to use radio telephones now available in radio laboratory to give demonstration requested by Lynn, Mass. Chamber of Commerce at picnic on August 4th. W fwd Sec 7-28 RB 8/2 W. To Boston(T) disapproved use of radio phone at picnic 8/3	
507399	7-27	To Bur Standards	Reqst subm estimates on cost of equipmt to be used w standard vac tube rec and trans apparatus for conversion into duplex radio telephone as at present developed by Radio resea ch laboratory	W 903
508630	7/29	War Dept	Request radio telephone sets to be transferred to War Dept from Flt Sup Base be charged to A Appropriation Transportation of the Army and shipt on War Dept bill of lading. W.	
510440	8-11	To S&A	Reqst shipmt of gen sets from Boston to Washn. serial 3977 W	
512817	8/23	To Amer Tel Co To Amer Tel& Tel Co Gives detld inform W. American T/T/Co.- Acknowledges.9/13	Reqst copy of telegram recd from M.Island relating to purchase of radio phone equipmet, confirmation of phone conversation Admiral Bulard. American T/T/Co- Quotes letter from M.I. 8/25 W Fwd MI 9-7 RB 9/29 W.	W
512871	8-20	C & R	Fwds copy of French notice of aerial route traffic control by radio telephone; W	

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TELEPHONES 1920

Number.	Date.	From or To—	Subject.	
497844	6-7	~~To Atlantic Fleet~~ (CONNECTICUT)	(T) Pacific Fleet uses wave length three four seven for radio telephone work	W
498641	6/9	Western Elec. Co.	Argentine Navy requests be furnished with Duplex radio equipt; ask if will object to quoting. To Western Elec- comments 6/23 Western Elec. Co. 6/24 W	W.
492955	6/7	CO NORTH DAKOTA	Report of inspection and test of tele talking motor generator	749
499894	6/16	Bur.Stand.Labr.	Fwds report on special radio telephone instln at Annapolis. W.	
500122	6-22	To CO OHIO	Reqst Co investigate operation of radio telephone trans as outlined, fwdg result of test to BUREAU W CO OHIO Fwds special report. 11/18 W	
500212	6/3 6/17	Signal Corps Communications	Fwds pamphlet by Major General G. E. Squier, on "Multiplex Telephony and Telegraphy over Open Circuit Bare Wireless Laid in Earth or Sea", in conn with eliminating present work of wire antenna on ship board. W	875
501495	5/24	Western Elec. Co.	Request prints and instruction book covering radio telephone sets. W. To Western Elec 7/8	

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[OVER.]

TELEPHONES

Number.	Date.	From or To—	Subject.	
491434	5/5	To Nav.Academy	Rqst advise if telephone set at Post Graduate Labr. is available to install for test between Annapolis and Washington, desire to arrange report of Army Navy game by radio. Nav.Academy- 5/7 W To Naval Acad (t)- asks if wave length 1000 meters be used and what radiation 5/13 Annapolis- Will start telephone test 5/15. 5/14 W To Naval Academy- rel installn of Bur Stds set 5/19	W
495904	5/22	Jno.Firth.	Ask if sale of telephone completed. To John Firth- Is not disposing of any radio phones 6-4	W
496158	5/21	Pug Sd.	Fwds prints of iron vacuum containers with decription of, by Draftsman H. G. Cordes; request be constructed. fwd Bur Stds 6-11 RB 6/26, with prints and comments. W. To Puget Sd. auth expenditure of 75.00 7/6	W
496725	5/27	Ports	Ask type number of charging panel for stg battery of radio telephone sets.	W.
495562	5-25	To Naval Acad (T)	Speaker will arrive this evening arrange for work on telephone W	
497918	6/5	P.C.C.S. Copy	Gives wave lengths used for radio telephone service.	W.

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TELEPHONES. -1920-

Number.	Date.	From or To—	Subject.	
483286	3/23	Natl Research Council	Calls attn to radio telephone exhibit W	772
484054	3/26	Cordova Copy	Subm report covering telephone communications with ALGONQUIN at a distance of 400 miles; best previous less than 60 miles.	W.
49333	3/29	To Inspr Schenectady	Production of Battleship Radio Telephone equipments. WS	629
485323	4/1	Western Elec. Co.	Fwds print showing information rel to TB Battleship, radio telephone equipt. W.	
485493	4-5	To Comdt Washn	Fwds vandyke copy of drawings. W	
486332	4/7	Radio Corpn of America	Have arranged with representatives of Netherland, East India Army to see G.E.Co. radio telephone sets at Schenectady.	W.
49333	4-16	Washn	Subm report on tests of T C radio telephone receiver subm by GE. Co WS	629
488938	4/20	CO. OHIO	Request Norf. Yard be authorized to measure induced voltage current from main antenna in telephone antenna. W To Im Norf. cc OHIO- reqst continue exprs on MASON 4-23 Norf- Fwds prints and measurements. 5/4 W	

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N.S.E. Form 134.

TELEPHONES

Number.	Date.	From or To—	Subject.
489759	4-26	To American Thermophone Co.	Fwds report on THERMOPHONE equipment subm by representative for test at Research Laboratory. Not satisfactory for naval use. W
		To American Thermophone Co.-5/4	American Thermophone Co. 4/29 W. To Amer Co 9/15
900-5035	4/27	Washington	Fwds copies of correspondence with American Telegraphone Co. rel to development of telegraphone for radio reception and purchase of WR 306
490545	4/27	Naval Academy	Fwds letter from Asst. Proffessor G. E. Robinson submitting suggestions covering "Speaker" system using 3 phase supply. W. To Annapolis- comment on three phase radio telephone system 5/14
439336	FROM 47	N.Y.- Report on test of Duplex radio telephone equipt at American Gas Accumulator Co. 7/9 W	To Amer Gas Accumulator Co.- reqst return of tubes 4-30 copy Comdt Washn
		To NY 7-28	American Gas Accumulator Co.- Request opportunity to demonstrate apparatus 5/3 W
		N.Y.- Special report. 8/6 W.	To N.Y.- reqst rep visit works of Amer Gas Accum Co witness demonstration 5/12
		N.Y.- Recommends construct one telephone. 8/23 W.	To Amer Gas Co 5/12
		To NY. reqst undertake work 8/31	To Amer Gas Co. reqst advise cause of delay 6-1
		Nav. Supply Depot- 11/20 W.	American Gas Accumulator Co.- Are awaiting visit of N.Y. representative to witness demonstration. 6/3 W.
		To O-I- C BrookGives inform re shipmt of tubes cc S Washn W.	To N.Y. reqst expd report 6-14
		N.Y.-Rqst disposn of set 2/12 W	To Amer Gas Accumulator Co. directs retain until rep from N.Y. yard make investigation of system 5-15
		To NY acknow 2-24	
490822	4/30	Naval Intelligence	Submits article covering wireless telephones and telegraphs in Japan, calling attention to large Company formed to manuf - W
Phila 12318	5-5	To S&A	Reqn for radio telephone sets. copy to S.O. Phila. W

TELEPHONES

Number.	Date.	From or To—	Subject.	
475666	2/8 2/12	Finigan Communications	Request authority to conduct experiments in long range wireless telephone work. To P.E.Finigan. suggests communicate with Dept of Commerce 2/19	W. W
477069	2/19	To Rear Admiral W.S. Smith, Secty Office	Stevens, Prof. E. S., wireless machine to telephone around world without a relay etc. do not consider inventions practical Fwds correpn in re to.	W
477396	2/17 2/20	Pottsville Daily Publications Communications	Request inform tel to device for sending wireless telegraph messages within a radius of 5 or 10 miles.	W.
SE 335	2-20	Fwd Dept	Radio telegraph.SE Reqn 335 for 14 Telegraphones' Req'ted made proprietary.	W
8 477067	2/21	To S&A	Reqst shipment from Charleston to Great Lakes radio appr. W RB 8/2 W/ To S&A- asks status 5/21 S&A- Copy of action to Chasn. 5/22 W.	
478010	2-25	Washington 828	Lists battleships which have been supplied with standard battleship receiving equipment in place of plugs; W	

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Number.	Date.	From or To—	Subject.
319925	FROM CARD 17		Supply Officer, Bermuda, 2/16 To SO NY via S&A- reqst invoices fwd to Bermuda be recalled copy IM NY 3/1
481055	3/8	Institute of Radio Engrs.	(A.Goldsmith) Expresses appreciation of remarks on book entitled "Radio telephone".W
480744	3-11	To S&A	Reqt shipment head telephones from Wash to SE. W
481580	3/10	N Orleans	Reqst invoice price of radio telephones-W fwd S&A 3/24 (35316-629)
481201	3/13	To E J.Simon Co	Fwds drawing. W
481679	3/11	Dept Of Agriculture	Reqst prints covering telephone and telegraph sets - W To Dept Agriculture 3/25

TELEPHONES

Number.	Date.	From or To—	Subject.	
464861	12/10 12/15	13th Dist P.C.C.S.	Fwds copy of preliminary report of test on radio telephones conducted at University of Washington.	W.
469460	1/7	Mare Island	Test of working range, Western Elec. radio telephone - report covering.	W.
469611	1/15	Western Elec. Co.	Fwds drawings of model TB battleship, radio telephone equipt.	W.
468777	1-15	To Boston	Installation of radio telephone equipment at Boston and Newport. W Boston 2/14 To Cdt Boston 2/20	
49333	12/23	Washington	Fwds record of test of model T.C. battle- ship radio telephone set; SW	629
471410	1;23	Pug Sd T	Request authority to use radio phone remote control microphones for WYOMING ARKANSAS NY & TEXAS- 4 required for each vessel.W To(T)-Install in chart house loud speaker extension complete etc. 1-24	
470317	1-22	To Lehigh Valley Light and Power Co	No surplus radio telephones available for sale at this time. W W. H. Munich -1/16 Communications 1/19- Ask if wireless telephone is on market for private use and if any Navy Surplus sets are for sale. W	

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N.S.E. Form 134.

902:TELEPHONES:

Number.	Date.	From or To—	Subject.	
473047	1;27	3rd Dis	Fwds print of Western Elec type head telephone showing proposed change in cord support.W cross to 906. To Wash 1/7 RB 2/16	
473322	1;31	Western Elec Co	Submits information re generating equipment for TB battleship radio telephone equipment.W	
473587	2/2	Euro-American Co.	Ask if Bureau has wireless telephone set for sale. To- none for sale. 2/4	W.
31547	2/5	To Industrial Mgr N.Y.	Reqsts that Sperry Co beadvised that a Board 625 has been ordered to investigate the charges incident to cont 31547 and 902.	
474914	2/7	S. K. F. Industries	Lecture to be given before Radio Club of America- Ask if Bur wishes mention made of new duplex short range telephones developed by Western Elec. Co. To- no objections giving info mentioned 2/10	W.

TELEPHONES

Number.	Date.	From or To—	Subject.	
458970	11/19	J. C. Hernandez	Request information with price covering wireless telephone equipt offered for sale by Govt. To. 1-6	W
458223	11/21	Western Elec. Co.	Have submitted revised drawings, showing proposed changed in intercommunicating system.	W
459710	11-14 11-22	C J Harrah S&A	Rqst info re radio app for sale by bureau. Fwd S&A. 1-6	W
459869	11-15 11-24	Puget Sound Communications	Re research work at U of Washington. To PCCS- Reqst fwd report for comments 11/28 Communications-Fwds letter from P.C.C.S. in conn with resch work at University of Washington. 6/1 W.	W
459849	11/24	Washn Yard	Reports on removal of radio apparatus from subchaser 121 213 and 198-W.	1-Z-6
450890	11/27	European Forces	Subm suggestions covering certain changes in radio telephone sets. W.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
462393	12/9	Washington	Voltage of power supply for model TC radio telephone transmitter - recommendations. W.	
462440	12/9	Phila.	Request Bureau instructions regarding disposition of obsolete radio telephone apparatus type, CW 925 -6. W. To - 12-30	
463746	12/16	Washington	Test of model T C radio telephone sets subm by G E Co. - Subm report. WR.	
463791	12/16	Norf.	Request radio telephone pamphlets be furn. W To 1.M. Norf-Advise if possible to reduce number of copies reqted. 12-26 Norf. 1/2 To Norf. 1-7	
463935	12/6	Mare Island	Future developements of radio telephones in conn with land circuits - report cov W.	
464143	12/18	Pearl Harbor (T) To (T)- Diaphragms executed. 12-29	Request shipt from Mare Island of 24 diaphrams for Western Elec. radio receivers. W X 852.	
335316	12/17	Phila	Submits report on number of radio frequency ammeters used in radio telegraph sets; SW	629

TELEPHONES

Number.	Date.	From or To—	Subject.	
455365	11/3	To Anacostia	Fwds summary of wireless phone experiments conducted by E.C.Hanson. Reqst review. W	
456968	11-8	Signal Corps	Asks if delvy has been made covg radio telephone sets. To War Dept ship will go fwd early date 11/12	W
457262	10/26 11/8	CO NORTH DAKOTA Atlantic Fleet	Fwds drawings showing manner in which circuits of radio telephone were changed so as to use same in any Ship's service telephone. WS. X 717	WS
457350	11/11	Westwrn Elec. Co.	Subm list of indicating meters being used in type TB radio telephone set; gives description of. W.	
457394	11/11	Washington CANCELLED	Fwds report with photographs on operation of fire control telephone sets.	W.
457627	10/12	Phila. 209-Q-6	Recommends manufacture and install water tite battery required for radio telephones batteries in Destroyers; recommendation based on request of CO LONG; fwds prints.	WL

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TELEPHONES

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Number.	Date.	From or To—	Subject.	
47403	11/7	Washington	Subm special radio report on test of model 629 "T D" radio telephone transmitters. SW.	
457857	11/13	Internatl Motor Co.	Ask if any difficulty in securing authority to connect different cities in which Co. has manufacturing plants, by wireless. W. Fwd Com 12/5	
440332	From 49		To CO's Radio telegraph telephone headset transfer switch. Bureau reqst fwd report of W 11/18- Phila 11-21 Submits comments with prints on radio installn on new destroyers- W (cross to 496 and Q-6) CO HART - instruments satisfactory -12/1 To PAUL HAMILTON 9/29	

TELEPHONES:

Number.	Date.	From or To—	Subject.
449564	10;1	Phila	Reqst vandykes to be used in con with instal of tel head sets, transf switch on destroyers. Cross to 900 To Phila-Fwds vandyke. 10;13
450148	10;9	W P Grace & Co	Reqst copy of booklet coy instal and operation of radio tel set. W To Grace & Co-Fwds copy of booklet. 10;14
451493	10;11	Dept To Puget Sd (T) authorized 5/19 Pug. Sd.- Neah Bay weather bureau station- Fwds report on instln. 8/26 W Communications- Weather Bureau states radio telephone set installed by Navy at Neah Bay will be maintained by use of personal funds. Request action. 10/22 W	Auth instal of tel sets at Neah Bay for communication by weather Bu and Tatoosh Sta. W To Pg Sd-Regarding the the instal of tel sets at Neah Bay. 10;20 Puget Sound - Submits estimate. 11/29 To Pug Sd. 12-19 Pug.Sd. 5/19 W. Pug.Sd. 5/11 W
900- 4854	10/18	Washington Fwd Pig Snd 10-28 BY 11/3/21 Fwd Disbursing officer L	Subm report of test of model Y tel sets subm by Western Elec Co and GE Co 706
420517	FROM	43	To S&A cancellation of shipt order of 5/24/19 10/15

TELEPHONES; 1919

Number.	Date.	From or To—	Subject.	
452808	10-16	CO	Reqts Westinghouse dynometer be frumished for radio telephones.	529-6
453465	10;22	A N Goldsmith	Reqst auth to include descrip of radio tel sets in new additional of books which will be published. To A.N.Goldsmith- no objection provided marked by courtesy of Navy Dept 10/28 A. Goldsmith 10/31.	
455026	10;6	European Force	Reports on use of radio tel type CW 936 by Mine Sweeper operating on Northern Barrage. W	
454971	10/29	Resch. Labr. bur. Stand	Fwds report of Dr. J.M.Miller, simultaneous send receive telephones. W.	903
455530	11;1	K McLood	Asks if have any pamphlets describing different types of instruments used by Gov. W To DuQuein Battery Station. Robisons manuel being revised, can be obtained for 1.50 11/5	
455364	11/3	To Bureau Stds	Fwds summary of wireless phone exprs E.C. Hanson. Reqt data be reviewed. W	

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TELEPHONES:

Number.	Date.	From or To—	Subject.	
442110	8;26	Bu Stand	Sub report of fire cont duplex tel set. To Wash- fwd comments on Western Electric fire control duplex phones 9/8 **Wash Yd 9-13 Rec certain changes in fire control set. W**	W
442181	9/30	To S&A	Req ship from Norfolk to Washington one Delco gas engine battery charging unit	W
442413	9/8	To Island Oil & Transp Co	Advises has communicated with War Trade Board and they have taken up with representative in re to inquiry regarding exporting radio phone equipment for use at Palo Blanco loading station	W
422778	9/5 TO S&A-Reqst shipmt of of remaining batteries from Chicago to Washington 10;31 To Inspr Chicago asks status 12/2 Inspr Chic 12/4	To Inspr Chicago (T)	Bureau understands type CW nine three six radio telephones being shipt with three type CBG three five three five batteries each telephones period This not desired since telephones will go to store and batt rapidly deteriorate period Req all such batteries be shipt Wash Yd for store comma letr follows W To Inspr Chicago- reqst fwd no of dry cells available 9/10 cc to Wash **Inspr Chicago 9-12 Reports on number of dry cells on hand-** **Inspr Chicago-Reqst ship instruc cov shipmt to Wash Yrd. 9;24** Inspr Chic 10/25	W
444835	9-9	American R & R Corp	**Are developing radio phone- Rqst sample bulb.**	W

TELEPHONES

Number.	Date.	From or To—	Subject.	
440332	9/10	To Comdts IM's Desty Force Desty Tenders	Authorizes installn on destroyers equipped with short wave radio receivers for recep of damped and sustained waves ~~to installn~~ switching arrangment according drawing fwd W	
	Insprs Bath 10;21			
	To Bath copies of circ letr sent to Insprs dated 9/10 10/24		USS Caldwell-Sub comments. Sept.	
51	To Cdt Boston- rel to use of antenna 10/29		Circular let-Tel headset transfer switch-Sent to Commanding officers. 10;11	
	CO KALB 10;13		Boston 10/17	
	To CO's To--Circ letr sent to CO's and Bath 10/16		CO STOCKTON 10:16	
	12-23		TO USS CALDWELL-Present tel headset to remain. 10;21	
445889	8-11 9-16	USS DUPONT Communications	Reports on radio phone communication.	W
445888	9-8 9-16	USS GRAF WALDERSEE Communications	Reports on test of wireless phone.	W
416421	FROM CARD 225		Chief Signal Officer 9/19 Loop radio phone development- Submits report.	898
446922	9;22	John Firth & Co	States made arrangements with L Baldwin to take charge of distribution of tels he mfg. W To Cdt Washington- re above 10/4	
446388	9/22	To Cdt Pensacola	Reqst semimonthly reports of station Pensa be examined for any disclosures relating to investg of radio telephones carried on by B. F. Miessmer formerly expert radio aide with Navy W	895

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Number.	Date.	From or To—	Subject.	
439227	8/13	To S&A	Reqst shipmt from Chi to Norfolk 25 phones W Received back 10;20	
439228	8/13	To S&A	Req ship from Chi to Charleston 15 radio telephones W RB 10;2	
439221	8/13	To S&A	Req ship from Chicago to Fleet Base 25% of total remaining spare part boxes for radio telephones W To Chicago- dis part boxes (2) for radio telephone 8/15	
439230	8/14	To S&A	Req ship from Chicago to Great Lakes 10 radio telephones W RB 12/15	
439232	8/14	To S&A	Req ship from Chicago to Fleet Base 128 radio telephones W RB 11-22	
439233	8/14	To S&A	Req ship from Chicago to Puget Sound 75 radio telephones W	
439234	8/14	To S&A	Req shipfrom Chicago to Mare Island 168 radio telephones W RB 10;4	
439441	8/15	To S&A	Req ship from N.Y. to Yds stor batteries and charging panels for use radio phones L RB 10;9 Shipmt order of 8;1 received back 10/9 RB 10;10 RB 12/15 Shpmt Ord 8-15 RB 11-22 Shipt order 8/15 RB 4/26 L ditto RB 5/25 L ditto RB 7/19 L	

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
437218	8/13	To S&A	Req ship from Chicago to Mare Island 75% of remaining spare parts boxes for radio telephones W	
7977 1/2	8/14	Test Shop Wash.	Fwds report on operation of control Duplex Tel Set. RW	706
441574 754	8;13	Emporia Co	Reqst infor re purchase of radio phone sets from Navy. AW To---Have no equipment for sale- 8/27	
442413	8;27	Island Oil & Transp Co	Asks if permission will ne given to export radio tel equip for Palo Blanco Sta.	
442565	8;25 8;27	Dept Commerce 1st Dist	Asks possibility of purchase radio phone sets removed from vessels for coast and geodetic survey. To 1st Dist fwds booklet 9/11	

Number.	Date.	From or To—	Subject.	
433723	7/21	To Mare Island Tel;	Radio telephone on receiving ship San Fran should be efficient working order in case Com in Chief Pacific Fleet desires upon arrival to use radio telephone W.	707-11
Boston NSA 2637	8/6	To Boston via S&A	Info req wir this equipment required for can obtain from FSB- W	
437603	8/7	To OHIO	Req arrange series of tests which will permit representative of Western Elec Co to hear, on radio receiving set, the interference caused by radio telephone CW-936 when latter used for transmission on board the same vessel. W CO OHIO-Copy let to West Elec Co stating ship will be ready for test 18th. 8;15 W	
437604	8/7	To Western Elec Co.	Fwds copy of letter to CO OHIO rel to tests that rep of Co be present. W	
353-6	8/6	nspr Chic	Asks how remaining spare parts for radio telephone sets will be distributed. S&W.	629

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
437613	8/9	To Western Elec Co	Acknow receipt of two cuts of type CW-936 short range radio telephone sets shown in manual as figures one and two. W
439336	8;12	American Gas Accumulator Co	Reqst 6 vacuum tubes be furn for experimental work on Duplex tel set. Cross to 898 To tubes being shipt 8/29
55		To American Gas Accum Co 3/5 Copy Fl eet Base American Gas Accumulator Co. 3/12	To S&A req ship from Wash to Elizabeth NJ radio tubes 8/28 R B 9-19
438700	8/13	To S&A	Req ship from Chicago to Cavite 25 radio telephones W
		To S&A- Rqst shipt fifty 32 volt stg batteries, Mare Island to Cavite. L 4/28	Mare Island- (T) Radio telephones recd at Cavite without stg batteries- rqst expedite. 4/24 W.
439218	8/13	To S&A	Req ship from Chicago to PH 10 radio telephone W
439219	8/13	To S&A	Req ship from Chicago to Guam 5 radio telephone W
439224	8/13	To S&A	Req ship from Chicago to Ports 15 radio telephones W
439225	8/13	To S&A	Req ship from Chicago to Boston 25 radio telephones W Shipmt ord of 8;23 RB 9;22
439226	8/13	To S&A	Req ship from Chicago to Phila 25 telphns W

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
433715	7/18	To Inspr Chicago Tel:	Were CW one naught five two A extension boxes for radio telephones shipt with any brass elbows and brass tubes for attachment of watertight switches or were these accessories omitted period advise immediately W
434718	7/24	To S&A	Req ship from Fleet Base to Washington radio apparatus W To S&A canc of 8/30 SO Brook 9-8 Items 1 and 3 shipt; item 2 not in stock.
434634	7;21 7;22	3rd Dist Radio tel Adm	m Conducted by Lt Horn of Hartford, Conn/ report cov. W To 3rd Dist commens work 7/29 fwd Com 7/29
434610	7;16 To Mare Island- Have rqsted Wash. Yd to fwd instruction booklets 5/6 Wash-Have shipt 50 instrn books to Mare Island 5/8 W	MI	Descrip of instruc of operation of short radio tel set furn by Elec West Co. fwd. To MI- will fwd 50 copies 8/11 To Wash Yd req fwd to MI 50 copies 8/11 M Is - 4/24 - W To Wash.- Rqst fwd copies instrn booklets for short range radio tele set. 5/5
434714	7/25	To GE Co	Fwds prints of Microphone control board, radio phone, power circuit expr radio phone, range chart radio phone test W
434718 see card 49			
434723	7/25	To Western Elec	Req cooperation of Co in assisting manner in which type CW 936 radio installations might be altered. W

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TELEPHONES: RADIO 1919 46

Number.	Date.	From or To—	Subject.	
434298	7/18	C&R	Copy of let to NY fwd prints cov instruc for instal of sound proof booths. W.	724
3480	7/24	NY	Submits list of single sound-proof receiving booths on hand and those furn vessels. W.	629
435853	7;28	NY	(Old No)	
435682	7;25	West Elec Co	List shipmts of radio tel made.	
3479	7/29	Phila Tel	Lists sound proof booths on hand. SW	706
3480	7/31	N.Y.	Subm report of sound proof booths on hand and issued. S&W.	629
436076	7/30	To C&R	Fwdg yandykes of drawing, and reqst that all yards be careful in installing booths in battleships. W.	876
353[1]6	7/29	To S&A	Radio telephone sets-modification of contract to provide for the improvement of present switch in extension boxes, remaining to be delivered; comments. W-S.	629[1]6

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
429950	7/3	To Western Elec Co	Burea compiling radio instruc books and desires dnc in it part of type CW 936 radio tel instruc, asks if cuts can be obtained from Co. W West Elec Co - 8;4
431103	7/10	To Western Elec Co	Fwds print with treatise on proposed system for simultaneous send-receive radio telephone shich can be applied to aircraft spotting W West Elec Co- Sub detailed comments. 8;8 To Bu Std fwd copy of com made by Western Elec 8/21 To Bu Stand Lab 10;7 Anacostia 8-26
431104	7/10	To G. E. Co.	Fwds prints with treatise on proposed system for simultaneous sending and receiving radio telephone which can be applied to aircraft spotting. W
431105	7/11	To Bureau Standards	Sub prints and teatise on proposed simul send-receive radio audio telephone system, asks be given thorough trial and report results W
429222	6/28	C&R	Fwds conversion charts pounds to gallons 736 Liberty motor tubing and report of wireless phone. DA
431835	7/11	To Great Lakes Telp	Reg radio rep at Cleveland Assist Cleveland Avia Club Scofield Bldg arranging for reception radio telephone conversation from Secty of Navy Monday eve 7/14 nine PM Wash time using available radio appr at Cleveland etc. W To Great Lakes- asks if recd message of 7/14 7/22 9th Dist 8;6

Number.	Date.	From or To—	Subject.	
432701	7;14	West Elec Co	Service and equip in con with radio tel school N L, asks if reqst fwd. W	
432481	7;10	West Elec Co Tel	Reqst express water tight switch for tel.	W
433472	7;17	National Radio Co	Copy- Reqst permission to instal radio tel on flag ship for Pacific Fleet without to exp to Gov to show efficiency of. W	
433149	7/17	To Pacific Fleet 494	Tel: Extension radio telephone auth in chart house or on bridge of vessels Pacific Fleet as desired fby Comdr in Chief period work to be don by ships force period etc. W	
433713	7;19	Inspr Chicago	Tel-Shipmt of radio tel.	

Number.	Date.	From or To—	Subject.	
423095	6-5	To Comdt Cavite Pearl Harbor, Mare Is. etc	Fwds revised plans showing four types of antenna insula ors for use on medium and hp radio stations. Desires use where addtl insualtors required. W Inspr Union 6:28 To Mare Is- fwds Vandyke copy of plans superseding drawing RE 61F 149B 7/9	
423878	6-9	To Internatl Rad Tel Co	Tel: Referring phone conv this date with Lt Eaton no serial nos required on telephone holders type SE thirty five ninety two period type numbers must be on hold rs W	
424728	6:11 Base to Orkney Is two spec part boxes for radio telephones 6/25 RB 9;29	European Force Copy	2114 Reqst scrapers be furnished with 2 step amplifier, also tel set and material reqst for. W To Tel 6-18 To S&A req ship from Wash to Orkney Is radio amplifiers 6/26 To S&A req ship from Fleet	
35316	6/13	To Inspr Chic.	Rqst furn diagrams of radio telephone sets being manuf Western Elec. Co. Showing circuit labeling which was rejected. W-S.	629
424935	6/13	To CO (T)	For Lt. Lemmon. Good result New Brunswick at 8,000 meters. Signal strength as good and quality better that at 13,000 meters. Can test on both wave lengths. Will await your recommendations regarding schedules. W.	23-X-6
425969	6-18	To Mi Tel	09513 to Washn yard for what vessels five radio telephones required comma this material available at navy yard MI W	

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
426804	6-21	To S&A	Req ship from Fleet Base to MS Detachment Kirkwall Orkney Is five radio telephones W	
428602	6-17	S.G. Hornbuckle	Request receivers and senders for experimental work on wireless telephones/ W To S G Hornbuckle- cannot loa wireless phone sending and receiving sets, howeve will be glad to have you get in touch with Radio officers 6/27	
428045 FWD CARD	6/25 94	To S&A	Req ship from Fleet Base to Schenectady one radio telephone complete W To GE Co 12/18 To Brook - Reqsts inform - Ask if reed 4/16/23 RS 5/9/23 W Brook Sup. Depot 6/19 Copy action W	
429268	6;25	War Dept	Fwds copy of pamphlet on gr radio sets. W To War Dept- acknow rec of pamphlets 22 and 23 letr 6/25 7/1 To Washn- letr of Sig off with pamp 23 recd 7/3 To acknow rec of pamp 22 7/3	
428499	6/30	To GE Co	Req fwd photo prints of airc radio phone trans W	
429661	7/2	To N.Y.	Auth Yd to draw from store radio telephone equip, material loand to Hart- should be ret July 5th or 6th- also directed officers to see steps taken re operation- W cc to Commun NY 7;8	

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[OVER.]

Number.	Date.	From or To—	Subject.	
420322	5-23	To S&A	Req ship from Fleet Base to Orkney I s Mineswpeers Detach Kirkwall, radio appr for maintenance radio phones in North Sea. W RB 9;29	
419518	6;13	Western Elec Co	(Old No)	
420323	5-23	To S&A	Req ship from N London to Kirkwall, MS detachment Orkney Is radio appr W	
	To S&A req ship from N.L. to Orkney Is ameters SO of 5/23 canc 8/19 S&A-8;20		New London Exp Station 5;27 To S&A canc of SO of 5/23 6/25 To New London- reqst ship be expedited 6/28 S&A 7;2 fwd S&A 7/17 To S&A req ship from South Brook to Orkney Islands a mmeters 8/19	
420873	5;23	Radio App Co	Asks if will issue cont cov experimental radio tel sets.	W
422778 see card 49				
420898	5;14 5;24	Ord Dept	Battle ship main box fire control radio tel for com between airc and ships, recs.	W
	To Operations. Searchlight more powerful than Aldis light will be required. RB 9;29 9-13 fwd Opr 10/7		To Operations- rel to development of 12" signalling searchlight- 6-7	
421022	5;21 5;24	L P O'Brien Com	Sub report of people com by wireless tel, party receiving same not using any apparatus. W	
	To Boston-Sug method of radio com. 8;28		To- Thomas P O'Brien- has req Boston Yd to communicate with 6-2 To Boston re above	6-2 RB 6;21
421095	5/26	MI	Sub report of test of radio tel instal, authorize to retain for futher test. W.	903

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TELEPHONES: RADIO

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Number.	Date.	From or To—	Subject.	
420324	5-24	To S&A	Req ship from Boston to Orkney Is 24 sets key contacts. W RB 9;29	
420516	5-24	To S&A	Req ship from Phila to Orkney Is 20 radiation ammeters, W RB 9;29	
420517	5-24	To S&A	Req ship from Washn to Orkney Is, 218 batteries W RB 9;29	
To S&A- Reqts take action to stop shipt of radio material for mine sweepers in North Sea. 9-13				SEE 50
421154	5/28	To CO (T)	For Lt. Lemmon. Arrangement underway radio tel test from New Brunswick on 8,000 meters. Will advise when transmitter is in working condition. W.	23-X-6
423262	5;23 6;4	Boston Washington	Reqst 100 copies radio tel instruc books be furnished. Fwd Wash Yd 6/17	W
423021	6;2	Radio App Co	Ten bat ship radio tel com sets, ord construc by Lt Co Leclair, makes exception to cutting down order to 5, cont cov which never rec. fwd S&A 6-13	W

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[OVER.]

TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.	
413412	4:17 4;23	Dept of Interior Com	Indian services in Fla. req information as to cost, etc. of wireless tel and tel sets. Indian Res, Fla. - Acklgs letter 5:6 W To Dept Interior-Gives infor reqst. 4;30	
413343	4/22	Exp. Forces.	Copy 9071 report of test between GEORGE WASHINGTON AND NEW BRUNSWICK W.	23-X-6
414282	4/23	S&A	Submits report of standard stock of telephone condition estab at various Yds W.	698
414684	4;28	L W Austin	Submits report on Baldwin tel. To Nathaniel Baldwin- fwds report on opeation of mica diaphragm telephone receivers mfg by you. 5-10	W
414652	4/29	European Forces	Copy-9481. Reports leaving on west bound trip- will continue radio telephone tests as per schedule.	23-X-6
414728	5;1	To S&A	Reqst ship from Brook to Portsmouth of radio tel and charging panels. RB 5;15 To Ports Tel 5-14	W
416314	4;28	Western Elec Co	Reqst infor as to how tel key will be mounted.	W
41[illegible]	5;10	[illegible]	(Old number)	

1919

Number.	Date.	From or To—	Subject.	
410317	See Card 39		Europeaa Forces 5/6 cpy 9935 asks name of vessels reaio telphs on Y.	793-8
416421	5/9	To War Department	Reqst cy of detailed reports covering American and foreign apparatus which might be utilized in design of telephone transmitter employing loop antennas, for short range commun between vessles for tactical purposes W.	898
416429	5/9	3rd Dist T	Schedule for wireless telephone sets satisfactory. To CO(T) - Lists schedules of radio phone tests to be carried out, with comment. 5/9	23-X-6
418090	4/18	D.W.Conway	Fire control radio telephone sets and fore tops of battle ships. Submits tentative doctrine covering. W.	647
417402	5-14	To Commander in Chief US Fleet U S Fleet 5/27 Extract from Report of Battle Ship Div 9 in con with radio instal. A 11;1 To Atl Fleet- 1/6/21 copy Pac and Commun- review of policy.	Advises rel to method of radio telephone communication in comm w recent fire control board (Bureau of Ord) requirements for Fire Control communications between Battleships and spotters aboard aircraft and between adjoinging battleships for interchange of fire control information W To Operations ditto 5-14 RB 6;17 To Commun ditto 5-15 To Ord ditto 5-15 Com 5,22	
419510	5;17	Dept of Agri.	Proposes to use radio tel equip in national reserves for forest fire protection, reqst authorize GE Co and Westinghouse Elec Co to furnish for experiment equip which will be conducted in Idaho and Oregon. To GE Co cc to Dept Of Agriculture- no objection to 6-2 fwd Commun 6-2 To Western Elec Co- no objection to sale	W 6-3

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
384114	Card 32		Western Elec Co-Fwds copy of drawings showing method of grounding water tight sample switch on extention. West Elec Co-Fwds sample switch also prints showing mounting on extension box. 6;3 West Elec Co-Reqst approval of ext box. 6;25	
408249	4;3	COM ENGR LAB	Req certain photoes in con with article being prepared on radio tel. Com Engr Lab-Reqst reply to let of 23rd. also data in con with article on radio tel. 4;28	W W
407716	4-4	To Wshn	Reqst shipment of 100 radio instruc books to Phila. cntract 35316 with Western Elec Co. W	
407971	4-4	To S&A	Req shipment from Fleet Base to Phila radio tel spare parts boxes for use telp To S&A - asks show del of materia and report status be made 4-17	W
409308	4;7	Bu Stand	Fwds critical studies of mod of tel sets prepared by Lt Nelson.	W

TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
408557	4-8	To S&A 906	Asks prepare shipment order transfer 2500 ft conductor cable to Boston yard installn destroyers. L	
408698	4-8	To Col. F. J. Behr,	Referred letter of 3-30 to Commander of Submarine Base, N.London W To Comdr S Base fwds cy of letter 4-8 RB 5;1	
409984	4/11	To CONNECTICUT	Reqst make test on, during trip to Europe and return W. To NY- fwds outline of test on CONN and Huntington- 4/12 To Commun- fwds chart showing aud of signals trand GEORGE WASHN enroute from NY to Brest 3/5 to	898 898
410904	4/5	CO TEXAS	Submits report of Texas two seat airplane. spotting MISS during long range target practice. USS FLEET-Fwds report of CO TEXAS of com from airplane during long range target practice. 4/9	918
411791	4;16	Dept	Req information re small radio tel sets for con coal mine eight or ten miles apart. Cross to 793-5	W
411374	4/4	Chaser 126	Suggested improvement in radio telephone receiving circuit.	1/Z/6
412310	4-19	European Forces Cy	Submits report of transmi ting results long range telephone heard by N Brunswick D 23-X-6	

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TELEPHONES RADIO

1918

Number.	Date.	From or To—	Subject.
405539	3-26	To Mare Is T	15 compl radio tel equip CW nine three six expr from Flæt S up Base Brook NY March 25th lading one zero six one inv four eight zero seven eight-
405540	3-26	To Puget Sound Tel	25 comp radio tel equipment etc.
405553	3-27	To N.Y.	Reqst Mr F Lowenstein be permitted to listen in on one of type CW 936 radio tel equipments-
405738	3-27	To District Base N.L.	Reqst list of all radio tel parts in stock-
405735	3-27	To W. C. White Research Lab GE	Tel. Lt. Lemmon rep. Bu will meet you Steneck Bldg Hoboken ten o'clock Friday morning etc.
405454	3-18	CO	Submits reports of results of radio telephone test of signals from N runswick W Com report of radio telephone tes signals between N B and GEORGE WASHN 3-26 23-X-6

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[OVER.]

Number.	Date.	From or To—	Subject.	
407070	3;31	West Elec Co Tel	Req Bu assistance in securing ship of meters for use of radio tel from Westinghouse Co.	W
407138	3;29	Key West	Req information as to disposition of audion bulbs for radio tels. To Key West-Gives disposition of vacuum tubes. 5;3	W W
407344	3;27	Radio App Co	Req cont cov battle ship radio tel sets built for Navy May 1918. To- asks reply to letter of 2-14 4-5 To Radio Appr Co- asks nos of prints 4-21 Radio App Co-Gives drawing number. 4;23	W
406485	3/29	To GE Co.	Quotes from report of GEORGE WASHINGTON radio tests from N.B. to vessel.	920-7
407863	4;2	West Elec Co	Mod of radio tel set, sub detailed descrip of with prints.	W
407175	4-2	To GE C ompany	Advises unsatis operations of type instrument, necessary to remove from approved list, until steps taken to improve ruggedness. W GE Co-Comments on broken thurmo couples. 4;18	W

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
405260	3;15	MI	Req that ship be sup with radio tel with four additional thurmo elements for ammeters. W	
404024	3-22	To Western Electric Co.	Asks photographs of various types of radio sets developed during war be fwded,- West Elec Co-Fwds photoes· 4;10	
404776	3-24	To S&A	Reqst shipment from South Brooklyn to Mare Is radio telephones and batteries.	
405475	3;20	New Orleans 821	Fwds one antenna ammeter as installed with short wave tel set unsat, recs change. W	
404511	3/24	To S&A	Reqshipt from NY to Mare Is 150 32 volt 35 amp hour radio telephone storage bat	882-1
405834	3;13 3;26	CO GA WASHINGTON 6 COM	Sub report of radio test with New Brunswick. W To West Elec Co-Fwds report of radio tel instal on chasers. To New London Base-Fwds report of radio tel instal on chasers· 6;8;18 To GE Co. quotes from report of MONTANA telephone tests convoying GEORGE WASHN 4-2	

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
404771	3-24	ToS&A	Reqst shipment from S outh Brooklyn to Puget Sound, radio telg material Received back 4;16	
399488	See Card 36		Genl Elec Co-States ship to Shore radio tel set for Ga Washington ready for test by middle of April.	W
405431	3/25	Dept	Requ N-9 planes be fitted to carry 350 lbs of fuel and that both N-9 and MF types be fitted w radio phones-DA	736
405998	3;20	Liberty Elec Corp	Fwds copy of correspondence for Marconi Co, req Mr. John O G Cann be loaned aiplane set for use. To- asks info qutho of loan of one aire radio trans to Canadian Marconi Co 4-2 Liberty Elec Corp- 4;3	W
405454	3;26	Commission	Report of radio telephone test signals between New Brunswick and GEORGE WASH INGTON	

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
403034	3;17	To Inspr Chicago	Req ship of 75 radio tel be made to MI. Copy to West Elec Co- NY " " " Chicago, " " " MI	
404187	3;19	Deforest Co	Asks if Bu will consid instal of radiophore transm at this time. To De Forest Co- not in positon to further develp of transm of "radiopore" type 3-27	W
404413	3;20	West Elec	Radio tel equip type CR 936-A, conf tel conv rel to change in sonstruc.	W
404489	3;21	Deforest Co T	Sent congratulations to Lt Hooper on suc exp in tel to Ga Washington.	

TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
384114 see 32	3-21	To Western Elec Co	Assigns numbers to, as listed- reqst drawings of modified equipment be fwd	
404927	3-21	Norf	Request radio telephone instruction booklets. To Norfolk-- fwds same 3-26	
405123	3-21	Phil	Confirms tele convrsn in connection with amount of lead covering requi ed for installation radio apparatus on destroyers.	
405259	3;15	MI	Asks Bu attitude in con with obtaining instal of radio tel sets on destroyers and other vessels. Fwd US Fleet Destroyer Force 4-7 RB 5;12	W
406672	3-26	Expert Radio Aide A F Vandyke	Reports on condition of radio apparatus of Atl Fleet bad owing to lack of organization Recommends standardization of apparatus also general recommendations on use of radio telephones and aircraft and balloons radio.	876

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TELEPHONES RADIO 1919 37

Number.	Date.	From or To—	Subject.	
398801	3/3	To New Brunswick	To GEO WASHInstruc re 3,3 test by radio telephone	920-7
400635	3/1	CO Cheif	Directs transfer of thenradio telephine motor generator fromE USSSUPPLY to Miss W	562-6
400968	3;6	New Orleans	Req copy of instruc booklet for instal and operation of tel sets furn. To New Orleans- fwds 5 copies of books 3-11 W	
401528	3;10	West Elec Co	Asks if will assign new code number to mod extention box. Western Elect Co. 3-22 CGives code number appointed W To - acknow receipt of letter re error 4-1	
401828	3;11	CO NEW MEXICO	Sub list exp radio material on brd,req disposition of. TO NEW MEXICO 3-19 requ matel be turned into store at New York- USS NEW MEXICO-Fwds list of radio material turned in to New York. W 3;26	
403460	3;7 3;17 MI 5;22	PCCS To MI Tel 6-11 Com	Req comp wireless tel set be instal at stations listed at 12th dist. fwd Commun 3-21 received back 4;14 fwd MI 4-22 Dept-Copy of letter to 12th Dist RB 5;19 req furnish infor. 4;30 fwd Secty 6-2 rec back 6;10	

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
401255	3-12	To Mare I Tel	Info req No CW nine three six radio telephone equipments available Mare I in addition to Destroyer requirements W MI- Tel- 48 tel equip req. 3;13 To MI-Req ship of 75 radio tel to MI 3;15	
401470	3-12	To W. C. White GE Co	Tel Replying telg ship radio telephone experiments postoned seconf trip detailed letter follows room height nine feet W	
403043 To M Is- 7-16	To Inspr Chi- 3-17 RB 5;21 To S & A Inspr Chicago 3-21 Request inspection data required for transmitter receivers.	inspec in accord w spec Insp Chi 4;3	4-10 To MI- fwds photostat cy of print 4-15 Shp requ from Chicago Ill for 75 radio telephones to West Elec Co Inspr Chi- 3;24 R qu Shipment of 75 bat chargine panes frm Mar Island to Chicac	MI-6;30
402713	3;13	G E Co	Two Way radio conv with Ga Washington, comments on arrangement which could be made also fwds rep on simulteneous sending and rec by tel Alexanderson W	
402643	3;13	W C White G E Tel	Experimental radio tel set, asks height of room in which set will be placed.	
403310	3;10	Atl Fleet	Copy of let to Supply directing issue radio tel bulbs to vessels of fleet.	
403800	3;15	New Orleans	Req one set spare parts equip for short range tel set be furnished. New Orleans 3;18	

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
398239	2;27	Phila	Asks if Bu desire one radio tel.	
398125	2;25	Atl Fleet	Copy of circular, report on status of radio tel, gives instruc for use of and directs same be used **only** as auxiliary main of com.	W
398238	2;3	European Force	Sub recs in con with exten of radio tel on ship.	W
398368	2-28	To American Ry Ex Co	Reqst tracer re shipment of box containing two tel boxes and two head sets to Western Co BL S&A 2304- West Elec Co- 3;4	
398507	2;27	Atl Cruiser	Req West Elec Tel set comp be installed in office Haboken, NJ. fwd Communn 3-7 fwd Cruiser and Trp Force 3-11	W

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Number.	Date.	From or To—	Subject.	
325853		From Card 21	NY-Radio tel instal on Ark 2;24 New York 3/5 New York 3;14 New York-Instal of radio tel on Rowan completed 13th. 3;21 New York-Installation completed on STEVENS. 4;14	
398773	2;27	G E Co	Com between Ga Wash and New Bruns on ret trip sub rep of exp being carried out in con with. To GE Co- re tests to be made 3-7	W
398924	2;27	8th Dist	Req portable ammeter for tuning radio tel equip be furnished.	W
400308	3;5	Anacostia	Sub report of test of radio tel app.	
399488	3-6 see card 39	To GE Company	Confirms phone conversation of 3-4 To Ge addtl info give re 3-13 To GE- asks be kept informed re status of 4-5	

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Number.	Date.	From or To—	Subject.	
390077	1-31	To Bureau Standards	Reqst test of CW 936 radio tel be conduc to compare quality w that of other radio telephone sets previously tested at Airc Laboratory- reqst oscillograph method be used for test and copies furn Bu-	
391117	2-5	To Codt, Washn Yard	Lists improvements necessary, CW 936 tel reqst tests be carried on in close touch with rep of Bu-	
393857	1;2 2;20	European Force Com	Long distant test, fwds report. Fwd Dir Nav Comm- 2/14. 9-3	W
370514	FROM CARD 30		To Radio Apparatus Co- Bur unable to locate any authorization for manf of sets. Rqst fwd Bur copies of orders for same- 2/14	
395519	2-18	To S&A	Rqst shpmt from N Y to Boston, 60 telephone storage batteries- L RB 3;21	
396319	3;1	NY Fwd	R B	

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Number.	Date.	From or To—	Subject.	
396319	2/21	To C. 3r. Nav. Dist.	Reqst. tele. removed be returned.	
396321	2/20	To S&A	Reqst. shipt. of material from NY to NO Naval Sta. New York 3:12 New Orleans-3:25 To NY fwd copy of ship ord 2-20 3-29	
396990	2;22	New Bruns Tel	Radio phone test showing improvement/ Alexanderson sug test be made cont from Washington.	
397489	2;21	To USS GA WASHINGTON	Sec Navy will personally address a short message to Pres by radio tel on 22nd. To George Wasam T-	
Old No 327902 see 19	2-26	To SO Norfolk	Cannot supply shipment reqst fwds copy of shipment order-	

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
391308	2;3	L W Austin	Reduction of, antenna current for radio tel set, submits report cov. To Comdt-in-Chf AtI Fleet-Fwdg copy or report re above- 2/12	
391332	2;1	Phila	Recs sub of wooden locker for metal locker on destroyers for storage batteries for radio tel sets. fwd C&R 3-3 C&R'- 3;26	W
390647	2-3	To ~~GE~~ Firms	RE developing a radio telephone set for underwater radio comm on subs	W
	GE Co-Req further information. 4;18		GE Co - 1;12 To Firms- gives re of experiments 3-11 G E Co- Asks capacity of loop antenna. 3;18 To GE- info reqst letter 3-18 3-22	
391105	2-3	To Western Electric Co	- RE history and development of radio phone - - paper for Am Institure of Elecl Engineers	W
391836	2;3	Bu Standard	Simulteneous Tel & Tel Co, Fwds report on test carried out together with switch.	
	To A H Taylor-fwds papers for execution 4-3 To AH Taylor- fwd co rrected shsets 4-11		To- lists patents found 3-6 R B 3;12	8/31/20
59			with detailed comments. To Comdr Taylor Anacostia- fwds copy of amendment	
392776	2-6	Bu Standards	R commends purchase tubes for use in test of radio telephone for oscillographs W Bu Stan- Fwds osciliogram. 3;10	

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Number.	Date.	From or To—	Subject.	
392719	2-3	Euro Forces	Radio tel subm rpr on W	
393174	None	European Force 919	Radio tel and compass, submits report on. W To European Forces- acknow receipt of letters 11-7 and 1-8-19 2-28	
34797	1/31	Fleet Supply Base	Requ disposition of radio recg booths intended for Aberdeen Scotland	629
392874	1;30	West Elec Co	Fwds manuscrip of paper proposed to be ready on radio tel before American Inst of Elec Engrs.	
389884	1-31	To S&A	Req shipment from Norfolk to Cape Henry radio tel batteries for CG Sta 155 and 161	
392608	2-8	To Comdr US Forces in France-	Bur approves installation of radio telephones on the USS FAVORITE, SENECA and UTOWANA- W	

TELEPHONES: RADIO

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Number.	Date.	From or To—	Subject.
386294	1;18	British War Mission E.G.	Req arrangements for conference 16th in con with wireless tel apparatus, will have sample set. W
386488	1;18	To Splitdorf Elec Co	Req that small instruments being furnished have Type Number CBA 2850. W
387337	1;21	Genl Elec Co Tel	Req bureau recs as to power sup and waive lengths for tel transm sets. W To---- Gives above info 1-25
387752 To---	1;21	West Elec Co To WYOMING- reqst turn in yard for transshipment 6-6 WYOMING-Tel not in use. 2;14 To Seattle- author confirms phone conver 3-12 3-28 To Western E Co- comments letr 1-21 3-26	Asks if material from radio tel sets instal on Pa, and Wyoming is available for return. W To---States that B. reqst to be advised as to use of this equip. that is now assigned & if there will be any more need of this apparatus. 2/1 (31letters) CO SEATTLE 4;5 W To-PENNSYLVANIA--SEATTLE--- WYOMING.
387047	1;2	European Force	Submits report of test of long distant range test of radio tel. W
SE reqn 9-874 2-1		To N London	Reqst info re cost, install labor on radio telephone sets bt Western Elec Co-

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
387457	1-23v	To Wash	Reqts that tests be made on methods listed of inserting a telegraph Key in the circuit Washington-Report on test of West Elec radio tel set.	W 1;30
388140	1-25	To NY	Author install WILKES, asks investigatn antenna condition of re alterations and repairs-	
389505	11;27;18 12;27	Detachment #3 European Force	Submits data relative to operation of radio tel.	W
388136	1-28	To Wash	Asks instrn books on short range radio phone sets	W
388580	1-27	To S&A	Reqts shipmt from NY to Chasn Radio phones-storage batteries-battery charging panels RB 3;6	W
390356	None	Western Elec Co	Radio tel by E J Craft and E H Colpitts, sub detailed reports cov.	W

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
379935	12-24	To N Lon	Asks data on radio telephone set for use on underwater craft for short ranges New London, Exp Station 1;7	W
380038	12-26	To Norf	Recinds authorization to install radio phones on ships listed	W
381881	12;30	Hampton Roads	Sub detailed report on radio tel sig rec from Washington. W	
382429	1;3	Washington Yrd	Wireless tel installed on Mayflower, fwds report on.	
359647	SEE CARD 27		To Western Elec Co- Convenient for rep to confer re this model on Tuesday as per suggestion- improved CW-936 radio phone	W
382704	1/3	Deforest Co.	Fwds article appearing in "Electrician" in conn with establishing automatic radio tel installation at various light houses, asks if Government is interested. W. Deforest Co- Reqst appointment. 1/16	702

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
384091	1;7	Inspr Phila	Conf tel conv relative to radio tel and miscellaneous radio work on old destroyers.	Y
384156	1;8	Phila	Conf tel conv relative to radio tel for destroyers.	W
383583	1-10	To S&A	Reqts shipmt from NY to Phila Radio phone sets and etc To Phila-Has reqted shipmt of material as listed to Phila 1-14 To Phila- reqst acknow receipt 3-4	W
		To Western Elec Co-advises changes satis with details as listed 2-28		
384114	1-13	To Wash SEE 38	Reqts that model of improved Radio phone set be returned to Western Elec Co	W
Card 41		To Western Elec. Co. - Rqst inf Bur approx date when new model will be ready for inspection-2/12 West Elec Co-Rep will call 2;25. 2;20 West Elec Co-Fwds prints. W 3;11	To Western Elec Changes tested out satisfactorily- Suggests additional improvements 1-13 To asks reply 1-25 West Elec Co- Fwds sketch with detailed comments. 1;29 West Elec Co - 2;11	
384759	1-16	To C-in-C Atl Fleet-	Asks info as to the interference with other radio work caused by the operation of radio phone as installed on Capital ships in present form W Atl Fleet - 1;20	
385230	1-15	To De Forest Co Royal Swedish Com. 2;3	Asks info re purchase of two radio sets b Swedish Govmt-that they may be released To Special Commission Swedish Govmt- sets have not been built 1-31	W

Number.	Date.	From or To—	Subject.	
375400	12;9	GE Co	Submits report.	
376366	12;7	N L Base	Sub list of radio tel material in stock at base. W	
376740	12;9	Key West	Req instruc books on radio tel be fwd. W	
377067	11;27 12;5	PCCS Com	Fwds letter from W C Vernon with sketch and explanation of experiment of radio arc tel transm. W To W.C.Vernon Ch Elec Sandiego - comments on above 12-30	
377140	12/11	Bu Standard.	Fwds sketch and report of test cov standard method of test by Oscillograph. W.	903

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TELEPHONES, RADIO

Number.	Date.	From or To—	Subject.	
377451	12;13	Western Elec Co	Parts for radio tel, sub schedule for shipment of. W	
344028	SEE CARD 22		To Bost - Asks that they ack receipt for material shipped on shipmt order of 9-5th 12-16 To Pg Sd- Asks that they ack receipt of app of shipmt order 9-6th 1-6 To Key West ditto 1-6 received back 1;22	W
376636	12/14	To NY	Rqsts that job order for Radio Phone on PASTHES & ZEELANDIA be withdrawn. W-Y	876
377013	12/17	Charleston	Install radio telephone type CW nine three six on USS DOLPHIN. W. Charleston-Radio tel instal at Key West.	12;18
376391	12/12	To Bu Stands.	Rqstd series of tests be made on antennas.	W
376304	12/5 12/10	Airc Storheouse S&A	Submt rprt of radio tele sets and spare prts at storehouse.	918
379229	12/2	European Forces	Fwds copy of report of desptroyers cov radio tel and radio compasses	903

Number.	Date.	From or To—	Subject.	
370514	11;18 Fwd Phila 1-16 Radio Apparatus Co-Req invoice. W 2;3 To card 35	Radio Apparatus Co	New type of radio boat ship, tel system req order cov material be fwd. W Radio Apparatus Co-Req fwd cont cov battle ship tel set. 11;25	
363453	SEE CARD 28		To Elec Controller & Mfg Co - Ack return of let sent thru error for Elec Manf Co 11-20 Phila 12.13 To Phila---Fwds copy of drawing x2491 battery charging panel for telephone sets.12/20	
370042	11;14	Key West	Copy of letter from Aide for Material 7th dist req infor and instruc regarding radio Tel To Key West fwds copy of instrn booklet 11-23	
371296	11-23	To Norf	Radio telephone info reqstd by Navy Yard, Norf from Western Elec Co, Comments IW	
372300	11;21 11;23	CO ORIZONA Atl Force	Type CW 936 radio tel, recs change in W	
359647	CARD 27		West Elec Co-Nec to return 125 tel if total 800 are to be remod. 11;23 To West Elec Co,remodeling should be carried out, 11-29 Norfolk 12;10	

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Number.	Date.	From or To—	Subject.	
372111	11-27	To Norf (T)	Radio telephones USS HANCOCK not authorized, W	
373678	11;30	NY	Westinghouse meter for use on radio tel set, to replace G E instrument now instal, sub report of test. To WE Co. Comments on test of switchboard meters 12-7	
		To NY- instruc rel to equipment telephone sets with Westingh 8/7	Western Electric Co. 12/14 To Western Elec Co- Spare part boxes boxes will be shipped without meters 1-4	
360430	11;20	MI CARD 28	NY - 6;30 Asks if West Elec Co should GE thermo ammeters. W 6;30 Submits comments on defects of Western Elec radio tel. W	
371858	12/3	To COs 746	Fwds. instruction booklets.	
374333	12-4	To S&A 707	Reqts. shipt. of radio apparatus from NY to Harvard Uni.	
44056	11/30 12/6	Nathl. Baldwin S&A	Rqst shipping instrms for telephone head sets. S&W	629
375000	12-7	To GE Co.	Gives general characteristics for tel.sets	

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TELEPHONES & RADIO

Number.	Date.	From or To—	Subject.	
360272	11-1	To Marconi Wireless	Telegraph Co- Authorized to deliver Capt Preiss U.S.A.2 type SE 1100 flying boat transmitters manf on Navy order 2916 To Gen Elec Lynn, authorizing phone sets	W 11-6
363707	11-1	To C-in-C Atl Fleet	Asks information re installn of radio phones on Battleships	W
364097	11;10	European Force	Shipment included 11 sets instead of 5 sets	W
365316	11;1	CO Thacher	Req instruc for operation radio tel To--- Fwds above 11-9	W
286426	SEE CARD	13	To Sims- (T) 6427 - Info re radio telephone app for Brest - Shipmt of To S&A Cancels shipmt order of 4-5th to Brest for radio phon s-storage batteries and carging panels 12-21	W
366523	11-8	To N Lond	Radio telephone equip for organizations of the Army comments	W
366998	?	?	Gibralter recs all radio operations on new vessels be given special instructions cov theory and operation of radio compass and radio tel before leaving home waters. W.	894

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
363227	11/12	To Westinghouse	Gives list of type #s assigned to Westinghouse.	
366928	11/3	Hampton Rds.	Test of West Elec phones set between places. W.	919
360430	11-13	To Boston	Comments on re-design of type of new radio telephone transmitter. W Pg Sd-Fwds report on defects noted. 12;14	
365928	11-15	To S&A	Rqst shipt radio apparatus Norf to USS PENNA W	
366876	11;27	Dept	Asks naval base to which cable is to be shipped.	
369613	11;15	War Dept	Req 2 radio tel sets and pliatrons tubes be furnished sig corps. W To S&A Re vouchers on mat'l furnished to War 11-21	
370358	11;20	Sims Copy 64	Two radio tel sets available, Patapsco and Patuxent, asks if shall be installed. W To Sims(T), do not install above 11-27	

TELEPHONES L RADIO

Number.	Date.	From or To—	Subject.	
359937	10/16	Phila.	Confirms telephone conversation asking where radio telephones on battleship is to be located	
360515	10/19,	U.S.S. Snohomish	Request pamphlet describing radio telephones W	
358733	10-18	To S&A	Reqts shipmt from NY to Bost 5400 ' lead covered cable To S&A-Inform date of shipt of 5400 feet leaded cable to Boston. 2-7	W
361210	10/21 To GE Co. Fwds. 2 copies of specifications. 11/12 Fwd Wash 11-15 back 11;19 Roller Smith Co-Req fwd extra copy. 11;26	W.E. Co.	Fwds blue print and report of test of J. tubes in connection with trouble experienced with W To Firms- Fwds specfs covering all types instrments supplied to SE for use with radio telegraph app 10-29 To Sig Corps- ditto 10-30 West E & M Co-Req copy of spec. 11;1 GE CO- Req copy of spec. 11;2	
358505	10/23	Sims - copy 7689	Asks Naval representative - also asks if material listed has been shipped	

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.	
361197	10-24	To S&A	Reqts shipmt from Chicago to N Lon 5 2-A spare part boxes received back 11;18	W
360430	10/23	To Coms.& I.Mgrs. CARD 30	Reqts. report on # of sets repaired. Weston Elec Co 11;20	
		Norfolk-Fwds report cov defects. 11;5	Charleston 10;29 Norfolk - 11;13	
		To Western Elec. Rqst sample of meters for J.E 11-8	NY-Submits characteristics. 11;2	
		To Elec re test of meters 11-8	Pens-Sub report 10;30 Norfolk - 11;13	
		To West Elec in re above 11-14	To Chasn re re-design of Western Elec 11-6	
			To Comdts & Yds, re defects in phone 11-5	
361952	10/25	S&A	Rqst shipt from Chicago, radio tele contract with Western Elec Co. to Naval Base New London. W.	629
360515	10-28	To ~~XXXXX~~ SNOHOMISH	Fwds instn booklet coare and operation of CW-938 radio phone	W
362433	10-26	To Sims (T)	Your 8042100' #14 rubber covered wire shipped abroadfor each radio phone 13000 feet shipped prior to 10-15th -shipmts daily	W
		aborad no # foruteen wire will be shipped 11-2	Sims-Copy 8261 - Req bureau confirm wire order.	
			(T)To Sims- Your 8261-buseng 3948 100' #18 wire bing supplied for each radio phone	
363453 SEE CARD 30	10;28	Phila	Req balance and descrip of charging panels for radio sets purchased from Elec Storage Co	W
		Elec Cont & Mfg Co- No rep for apparatus rec 11;7	To Elec Mfg Co - Asks copy of vandyke for battery charging switchboard 10-31	
		To Elec Mfg Co Rqst vandyke 11-16		
363220	10-31	To Westinghouse Elec	Mfg Co -Assigns Nos applying to special instruments with radio telephone sets to be ordered in near future 10-31	W

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
358525	10/14	Copy 6962	Request Base 25 be supplied with batteries for radio telephones W	
	ship all radio material for Base 25 to Base 27 including radio material and batteries now on dock waiting shipmt to Base 25 10-17		To Sims- (T) 6962- 100 type SE 3535 batteries being despd to Lond by spec messenger- Appr manf similar batteries in Eng. Hereafter will **To Navgn- in re above- 10-18 OVER**	
196138	SEE CARD	8	To Norf-Reqts that 2 KW Mark VI wave charger and loading coils for MAYFLOWER be fwded To Wash for Installn	W
358851	10/7	Mare Island	In connection with faulty antenne ammetus and radio telephone sets W	
359092	10/16	American Patrol Detach.	Copy - Ship supplied with radio telephone - request expert be sent to Base 15 Bay Shore Oct. 16 **To NLond, Rqst radio expert to Key West 10-22**	
359023	10/15	New York	Submits report of defects in installation of radio telephones W	

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TELEPHONES : RADIO

Number.	Date.	From or To—	Subject.	
359647	10-18	To (T) Phila CARD 30	Arrangements should be made to have radio e expert aid qualified to discuss new design rq	
SEE CARD	To S&A- ditto 10-19		radio phone attend conference Crafts office	
	~~Comp Eng Rep confrs of new off~~		Western Elec Co West St NY Mondy Oct 21st- W	
32	~~office building at Western Seave~~		To Western Elec Co - West elec Co has been	
	~~& Morgan Co 22 plant extn.~~		regted not to ship after 1200 complete sets	
	~~Crosfs to 7-8-2 10-21~~		have been rendered 10-19	
	E. J Simon Co-In con with mod. 10-22		West Elec Co-Samples being made. 10-23	
358525	10-18	SEE OVER	To Wash -Rqst to crate for shipment 100	
			type SE 3535 batteries- marked- "Cable	
			Rqst 6962-- W-	
			To Dept, Comments on shipt of radio to Base #25	
			Sims -Copy 7858-Arrangements made with	
			British Ever Ready Co to supply 5,000 bat. 10-22	
			10-24	
			Fwd Dept, 11-27	
358706	10/16	W.E. Co.	Asks if desires Bureau be placed on mailing list for W. E. Co. news W	
358558	10/15	7th Dist.	Request instructions in regard to radio tele.	
359383	10-19	To S&A	Reqts shipmt from NY to Dist Base N Lon 400 type SE-3535 "B" batteries W	
359384	10-19	To S&A	Reqts shipmt from Wash to 3rd Sect 8th Dist Galvestorn Texas- 100 type SE-3535-"B" Batteries W	

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[OVER.]

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
356394	10;8	Sims Copy 6429	Req transm and receiving tubes be shipped to base 27 for stock. W To S&A Rqst shipmt radio apparatus Wash to Base 27, To S&A, rqst cancellation shipmt to Base 27, 12-12	10-9
356392	10;8	Sims Copy 6428	Req radio tel be shipped to European ~~Force~~ Base in order to complete installation on all attached to Brest. W To S&A Rqst shipmt radio apparatus NY to Base #27 To S&A, rqst cancellation above, 11-27	10-9
6 357997	10/5	Boston	Request classification for radio telephone drawing W To Boston, re classifications os dwgs	10-11
356706	10-10	To S&A	Comments on shipmt of batteries and charging panels W	
328291	SEE CARD 19		To Bost- (T) Ref your let Oct 1st- radio telegraph storage batteries expressed from NY Aug 28th B/L 8800	10-11

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
356650	10-14	To S&A	Quotes cable from Sims re radio phone equipmt - reqts that vigorous action be taken to expedite bal of equipmt	W
357646	10-14	To Western Elec Co	Fwds specfs for ~~A~~ storage batteries for radio phones	W
358615	9/24	Atl. Train	Dept. Oct. 11 Request wireless telephones be installed on Supply and Atlantic II	
358144	LO/10	Sims	Copy 6664 Not possible to hold radio telephone shipments until complete unit assembled	W
358063	8/29	War Department	Renames Ensign Easterly furnish signal corps with plitron telephone rods for transmitting sets listed W	

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[OVER.]

Number.	Date.	From or To—	Subject.
354394	9;28	Boston	Sub blueprints record of radio installation. W
354608	10;2	Sims Copy 6011	Radio tel. batteries and spare parts shipped via Dochra, ship arrived without material
		CANCELLED	Sent to S&A
354556	10;2	Sims Copy 6005	Advises to use 27 base as radio tel shipped and dist phone. W
354736	9;17	Bermuda	Reports receipt of radio tel sets. W
	To----	Informs of above action 10-11	To S&A- Reqts that vigorous action be taken to expedite material items not recd - that SOP Bermuda be informed of status of shipmts 10-11
324925	10-3	To Western Elec	Rqsts information on letter of Sept 11, W

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
355383	9;25	7th Dist	Can show battery at Key West no pressure at Sand Key. W To Key West (T) Author. install. 2 rad. tels.. Author. purchase gasolene generator. 10/5 7th Dist. Oct. 7 Telegram storage batteries for telephones not available N L base-Req authority to procede with instal. tel, 10;25 To N Lon (T) 10025 Installn Sand Key and Key West authorized 10-26	
355634	10;4	S&A	Radio tel sets, fwds copy dispatch.	
355955	10;2	Atl Patrol Detach.	Req copy of descrip booklet on radio tels be fwd. W To Dolphin- Fwds 5 copies of above 10-23	
356350	10;8	Sims Copy 648	Twenty five radio tel received without transmitting tubes, etc. asks if shipment has been made.	
359070	10/?	Inspr Cramps	Santa Teresa rel to installation or radio telephones	771-2

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
352095	9;23	Boston	Proposed arrangements of radio tel on destroyers 76 and 80 and 131 to 134, fwds plans with comments. To Boston, ~~Arrange~~ arrangement approved, 9-30	
352081	9;22	R Peton	Req instrc in connection with wireless tel be fwd. W To N Lon-, fwds above let 10-15	
351379	9/24	To S&A	Reqts. shipt. of radio apparatus from Wash. to NY for West. Elec. Co. W To Western Elec Co- Asks that ~~tyex~~ they ack receipt of above 10-26 West Elec Co-Returns proper papers signed. 10;31	
352921	9;24	Boston	Conf tel conv in con with dif in obtaining copper clad wire for radio tel.	
352498	9/26	To Sims (T)	States that del. of plane sets will start 10/1. Sims - Copy, asks when material will be shipped	
38280	10/4	To Sec of Navy	Rqstd amendment of contracts for radio tele sets	629

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Number.	Date.	From or To—	Subject.	
353377	9;25	Lt A C Brettle	Req pamphlet entitled instructions in Weston Elec Tel sets.	
352058	9-27	To S&A	Rqst shipmt of radio telegraph be traced, W	
352626	9-28	To S&A	Rqst shipmt radio apparatus NY to Norf W	
353643	9;24	2nd Dist	Req authority to install radio tel on various vessles. W To Newport. Author. install. of rad. tel. apparatus on vessels listed. 10/8	
354004	9;26	Century Tel Construc Co	Head bands for head sets used in waive meters, req test and assign type number. To Wash. Req'ts. that head band be tested. 10/3 Washington-Sub report of test. 11;12 To—Fwds report 11-16	
354274	9;29	Atl Fleet	Fire control radio type CS 936 very useful when operated by skilled men, rec battle ship be equipped with. W	
3479	10/3	Inspr Phila	Confirms telephone conversation re shipt of radio booths	629

x—338)

[OVER.]

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
347600	9;12	Sims Copy 4595	Req receiving and transmitting tubes. W To ---- (T) Rad. Tubes MELVILLE will leave Wash. 9/20. 9/13
52 324925		See CARD 18	To Western E.Co. Asks to trace shipt. of instruct. books. 9/11 To ----- ditto 10-28 To West Elec Co- advises ship rec at Yd and thanks for tracing same 1/7/19
346556	9/13	To West. Elec. Co.	States that Mr. Craft will arrive in US in near future bringing sample British apparatus. 9/13
3 348355	9;13	N L Dist Base	TEL: Three radio tel will be available for shipment. W To S&A Reqts. shipt. of radio material from NL to NY for vessels. 9/17 To NY Asks that they ack eceipt of above material 1-6
348700	8;27	Phila	Conf tel conversation in connection with status of radio tel set.
348740	9/17	To S&A	Reqts. shipt. of radio apparatus from NY to Brest for Nav.Base . W
348750	9/17	To NL	Re revision of instruct. booklet put out by Western Elec. Co. W New London Base-Fwds pamphlet and prints short range radio tel set 2;28 To N London- acknow pamphlet 3-25

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
349813	9;17	West Elec Co	Req contract to cover one fifty-A head set W
351112	9;20	J R Smith	Req instal and operation of radio tel set W To NL. Reqtd. that wiring diagram & inform. nec. for Chr. Elec. to perform this work be supplied from Sub.Chaser Base. 9/27
351652	1/13	To S&A	Request of weather Bu. for radio tel. appr.- W
351153	9;19 on Destrs	Boston 10-21	Radio tel req instruc relative to position of extenstion on vessels. W To Boston, re install of extension phone 10-1 Boston Oct. 13 List additional apparatus which will be required To Bost- RE location of extension telephones
346254	9/21	To NY	Asks to expedite shipt. of rad.tel.sets. W
352060	9;24	Sims Copy 5408	Status of radio tel and material req for Gibralter. To S&A Re rad.apparatus shipped to Gibraltar. 10/4
352058	None	Northern Bombing Squadron	Have received no radio material, asks when will be shipped. W

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[OVER.]

TELEPHONES --- RADIO

Number.	Date.	From or To—	Subject.
343463	8;29	NY To Sims (T) Explains ref. let. of 9/3. 10/8 To Norf via S&A- Gives date rout and shipmt of 11 radio telephone sets for shipmt overseas 11-2 To Sims- In re above for Base #18 11-2	Radio tel sets, give list of sets with with dates on which they were turned over to Supply officer for shipment abroad. W To Sims. Gives schedule of shipts. of radio tel. sets. W 9/4 Sims-10;6 Copy 6297-Asks if shipment intended for vessel 7, base 18 W 10;6
343689	8;31	Bat Ship Force 1	T Req that NY be authorized to deliver full allowance ~~for~~ of tubes for radio tel to rep Bat Ship, Force #1 Sept 3. W
343392	9/3	To GE Co. No objection	No objections to quoting equipt. or manfg. apparatus for British air forces. W To WJ Polyblank. Asks re transmitters referred to above. 9/3 British War Mission - 9;10 W Major Polyblank-No objection to Navy purchasing same type of apparatus providing it does not interfere with orders placed with GE Co 9;14
344332	9;3	Sims Copy 4066	Req instruments listed for use in installing radio tel be shippped to London office. W
344439	9;4	Sims Copy 4032	Req status of tels W Sims. Oct. 12 Copy 6794 Requests apparatus listed be shipped W
344441	9;4	Sims Copy 4098	Req 12 condensers be shipped to NL for use of dummy antenna radio maintenance work. W
344374	9;4	NY	comparisons in radio tel install, fwds correspondence sub and graphs to be fol. W

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TELEPHONES-RADIO

Number.	Date.	From or To—	Subject.
344028	9/5	To S&A SEE CARD 31	Reqts. shipt: of radio apparatus from NY to Boston for vessels. W
	New York - 9/16		To---- Same as above. to Ports. 9/5 To S&A (5 letters)--Reqts. shipt. of radio apparatus from NY to Navy Yds. for repairs. W 9/6
	Shipment order of 9/26 R. B. 10/10		To S&A Reqts. shipt. of radio apparatus from Wash. to & for London Office. 9/6
	Boston-Material not received. 10;24		To S&A Reqts. shipt. of radio apparatus from NY to Newport, 9/16
	To Boston, re tender spare part bos 11-14		
	To Chasn, Rqst if radio recd 11-21		
	To Phila rqst if radio recd 11-23		
	Shipment order received back 11;26		
	Phila-Material received 11;27		
	Ship order back 11;30 for &		
345073	9;4	West Elec Co	Fwds copy of conventional signs for wiring. W
346354	9;7	Boston	Shipment of certain tel radio sets did not include panels. W
			To Bost- use of 1000 watt heating resistance apprvd until charging panels are available 10-21
			Boston-Fwds prints showing substitution. 10;4
346566	9;9	Sims Copy 4446	States will arrive in NY about 20th bringing sample apparatus, will send officer to approve changes. W
347034	9;10	Sims Copy 4541	Asks if shipment of radio tel material has been made to Plymouth.
To Sims 10-1, (T) ing and receiving		re shipmt of transmitt- tubes W	To S&A Re rad. apparatus shipped to England. 9/16
			Sims- Copy, ren-action and gives status of radio tel material for Plymouth. 9;21
			S&A-Fwds status of shipment. 9;24
346039	9;10	NL Copy	Req West Elec Co be req to give special instrc for calibration radio tels to Stevens & Ostrott, these men to go abroad with first shipment.

Number.	Date.	From or To—	Subject.	
331587	7/25	Boston	Con irms tel conversn in conn w sending radio tel expert in Bath Iron Wks in conn w instln on wickes	75-Q-6
337320	8/12	Ford	Radio tel sets ~~newxxxxxx~~ style No C W 936 rqst no more be shipt until further notice	2-Z-6
325853	8/13	Boston (CARD 18)	Radio telephone installation on bell/ Radio telephone install on wickles	
	NY-Installation completed Susq. 9;3		New York 8;26 NY-Fwds report on Rynden	10;29
To CARD 36	NY- " " GN		New York - Radio tel installed on Yacoma	
	NY " " LEVIATHON		NY - Installation completed on Lenape 8;27	
	NY N P		NY - Installation completed on Dekalb 8;27	
	NY- 9;5		NY - Installation completed on George Washington 8;27	
	NY-Report instal of radio tel on Martha Washington. 9;27		NY- Installation completed on Agamenon	
			NY- Installation completed on Mt Vernon	8;27
	NY; 11;1 New York 1;15		NY- Installation completed on Hen L Mallory	9;6
339013	8/19	Western Elec Co (T)	NY- Installtion complete on Arizona 9;1	
			Submits rqst of factory that set of instr & prints of radio telephones be forwarded to HP Kasner Detroit - W	
339831	8;19	Boston Radio Wire	Conf tel conv asking what wire was to be used for. W	

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
342677	8;27	N L Dist Base	Reqst that radio welding be furnished in connection with installation of radio equip on destroyer and ~~cruiser~~ class vessels. W Fwd. Comm. 9/11 Eagle New London Base- Req radio elec be sent for instruc. 10:24 To N Lond. re phone equip on 11-8 Fwd Naval Communications 11-4	
342929	8;29 To S&A Reqts. ship. of radio apparatus from wash. to Sims for Queenstown. 9/21	Sims Copy 3803	7 tel radio sets received at Queenstown without transmitting tubes or storage batteries. Asks if shipping. W Sims-Copy 5601- Req action. 9;18 To-8/15. 9/20 States that batteries shipped NT	
342458	8/29	To Coms.	Re dry cells for radio telephone sets. W	
343176	8;27	Key West	Req instructions in connection with repairs to radio tel on vessels in Key West dist W	
343135	8;29	3rd Dist	Relative to instal tels on light vessels and shore stations. W Fwd.Com.9/11 received back 9;18	
343122	8/31 Lowenstein Co- Reg payment. WK Fwd S&A 10-9 To Lowenstein- Phones may be retained until experiments are completed 1016	Fwd. S&A	Suggested that item be carried on books as a loan to Govt. WK To Lowenstein. Suggests they write reqts. tel. Fwd. 8/31 To Lowenstein Radio Co. Rqst disposition of phones Lowenstein Radio Co - 10;1	9-28
346097	8/30	N L Distr Base	Reports recpt of 10 special vibration proof detectors for radio tel	898

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
334607	8;4	Boston	Recommendation in connection with preparatory work to be done by contractor on installation of tel. W
			To Insp. Quincy. Re installation of radio telephones on TMDs. 8/16
334579	8/8	To Norf.	Author. 1 rad. tel. equipt. at Rad. Labor. Norf.
			To Boston. Author. installation of 1 rad. tel. equipt. 8/9
			To Phila. Same as above. 8/9
335697	8;7	Boston	Rec storage battery and tels to be used on vessel be constructed in Boston districe and delivered to Boston Yard for inspec ~~fo~~ before being installed.
336306	8;9	West Elec Co	Sample equipment for Mr Craft. reqst information as to how sets are being shipped W
337306	8;12	D W Cooper	TEL: Reqst conference relative to tel matter. W
337321	8;13	West Elec Co	Asks permission fwd dept Canada on radio set

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TELEPHONES RADIO

Number.	Date.	From or To—	Subject.
338097	8/17	To NY	Author. install. of rad. tel. equipt. on PERKINS & 4 als. W
341499	8/27	To NL	Authorized shipt. of 2 compl. rad.tel.sets. W
345937	9;8	7th Naval Dist	Copy req authority to instal wireless tel on Sand Key for com with vessel. W
346698	9;5	Boston	Confirms tel conversation rewire of radio tel. W
345677	9/10	To Western Elec. Co.	Attach. blueprint copy of report for their information. W To Ind. Mgrs. & Coms. Re imperfect contacts in Antennae. 9/12. West Elec Co 9;12
345676	9/10	To NL	Attaches copy of report for their information . W

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TELEPHONES : RADIO

Number.	Date.	From or To—	Subject.
333254	8/7	To S&A	Reqts? shipt. of insulators from NY to Bermuda for Sen. Officer present. W To Senio Off. Material reqtd. will be shipped from NY. 8/6
334219	8/7	To Insp. Seattle	Fwds. 1 booklet for Rad. Tel. Equipt. W
35316	8/7	Inspr Chicago	Rqst officer and necessary clerks be detailed to Western Elec Co in conn w contr for radio tel sets 629
336876	8;12	Sims Copy 2748 Sims-Copy455 - Req cancel ship of wire if those called for cannot be shipped. 11.24 To Sims(T),comments re above,11-27	Reqst complete list installation material shipped with radio tel also details of batteries and equipment. W To--- (T) States that rad. tels. compl. gives list of material reqd. 8/22 Sims-Copy 4574 States nec wire was not received on radio tels, cannot be obtained there. W 9;11 To Sims (T) Wire will be shipped for rad.tels.9/16 To Sims (T) if wire being shipped 9-30
336631	8;10	3rd Dist	Reqst authority to install radio tel at headquarters section. W Fwd. Comm. 8/17
336483	8/15	To Western Elec. Co.	Reqts. quotation & earliest del. date for 36 sets. W To---- Reqts. reply to let. of 8/14. 8/28 West Elec Co 8:30 West Elec Co- Req additional information 8;29 Weston Elec Co. Submits quotation 9;12 Western Elec. Co. Oct. 9 Submits quotation

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
330917	7/30	To S&A	Reqts. shipt. of radio apparatus from NL to Gibraltar for Rad.Repair Base. W To Gibraltar, Rqst if mat'l recd, 9-28 To Gibraltar, Rqst if radio recd 11-6
333578	7;31	Phila.	Confirms tel conversation in connection with tel transmitters tubes on hand, L
333840	7;31	Boston	Confirms tel conversation reqst authority to instal 1/2 k w Cuttin & Washington gas engine set on patroll 599 also in connection with storage battery to repair radio tel. W
332700	7;31	New York	Make sug of improving method of radio tel sets.
333055	7;29	New London Base	Reqst 6 copies descrip and instruc for operating tel sets be furnished W To N Lond, Fwds booklets rqstd, 9-28

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
333523	7;31	Phila	Confirms tel conversation in connection with bulbs for tel radio sets on transports and destroyers.
333544	8;3	Inspr Seattle	TEL: Reqst instruc for installing radio phone and wire diagrams with location of station indicated. W
333274	8/5	To NY	Gives list of equipt. author. installation of. W
334028	12/5	To NO	Asks if radio apparatus rec'd.
334254	8;2	Bermuda	TEL: Reqst ampere [redacted] boat be fwd for radio tel sets. W
334938	7;23	~~European Forces~~	Fwds list of experimental radio tel material delivered to Captain Leigh for demonstration in English waters.
334592	8;3	Phila	Messenger sent to New York to obtain radio tel transmitter bulbs for installation on destroyer. W

TELEPHONES : RADIO 1918

Number.	Date.	From or To—	Subject.	
328291	7/20	To S&A	Reqts. shipt. of Radio telephone equipts. from NY to Boston for vessels. W.	
To MT. VERNON (T) States 5 rad. tels. shipped from NY to Boston 8/27. 8/31.			To S&A Asks to take action to expedite shipt. of radio apparatus. 8/21	
Boston - 10;1 S&A - 10;4		SEE CARD 26	S&A- Radio tels for Mt Vernon shipped 8;27 W	
328292	7/22	To S&A	Reqts. shipt. of radio telephone equipments from NY to Phila. for vessels	
327902 see c ard 35			To S&A Reqts. that they com. with SO NY return salmon copies of shipt.reqts. listed 9/11 Shipment Order 9;22 received back 10;9 Fwd S&A 11-4	
328598	7;21	American Detachment	TEL: Resistance wanted for spares. W To Com.Supchaser Base.NL. (T) Re resistance of amplifiers. 7/25	
329036	6;29	European Forces	Dry batteries for radio tel, arrangements have been made with British Ever Ready Co. to supply and give disposition to bemade on. W	
327904	7/23	To S&A	Reqts. shipt. of radio apparatus from NY to Norf. for vessels. W	
Shipment order back 1;11			To Norf. Rqst if above mat'l recd, 9-28 Norfolk 10;5 To NY re radio apparatus shipt 11-14. To Norf.rqst receipt for shipmt.11-29 New York - 12;27	
330468	7;25	West Elec Co	Fwds copy of letter to Coast Artillery in connection with French radio tel system required by them. W Sig Corps - 8;5	
35316	7/24	We stern Elec Co	Have excess radio telephone sets on contr	629
330462	7/31	To C.S.Officer,USA	Encl. correspondance .W	

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Number.	Date.	From or To—	Subject.	
330053	7/22	New London Base	Submits report of installn by Western Elec Co of phones on Chasers listed	1-7-6
325544	7/22	Cruiser Force	~~No more low power radio transmi ters~~ rqd for vessels eqpt with radio telephone	574-771
330917	7;27	Sims Copy 1863	Reqst circular of complete filter system in use in connection with radio tel on motors launches be shipped to Gibralter. W	
331664	7;29	West Elec Co	Radio tel sets, quotes appendicts to be added to their inspec books due to instal of new type batteries. W To---- Instruct. re use of new typebattery are satisf. 8/1	
331819	7;30	Sims Copy 2027	Reqst 5 additional radio tel be shipped to Gibralter Base W To S&A Reqts. shipt. of radion apparatus from NY to Gibraltar for Rad. Repair b Base.8/2 To----(T) Asks use of storage batteries reqtd.	
			Sims - Copy 2636 Storage bat required	8;9
332100	7;29	West Elec Co.	Asks if company will be expected to supply material and equipment necessary for installation of radio tel equip on boats other than the 110 ft type. W	
319925	7/31	To S&A	Reqts. shipt. of tel.equipt. from NY to Bermuda for Capt.Cutler. W	

To S&A Reqts. ~~shipt. of radio appara-~~ ~~tus from NY to Gibraltar for Rad. Rep.~~ Base. 8/12

To S&A- Reqts that shipmt of radio mat on shipmt order Aug 2nd be expedited 10-31

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
325624	7;12	European Forces	Copy - Reqst one tel attachment for radio tel set be shipped to Lavender, London Sims - Copy-3759- Re-ship of tel spare parts 8;29
325623	7;12	G E CO	Tel - Tube tel transmitting sets, reqst test of at Norfolk. W To GE (T) Yr.tel. 12 July ready test new tel. transmitter Norf. Thurs.18 July. 7/13
325622	7;11	Sims COPY 1013	Reqst infor as to steps taken to supply Plymouth with radio tel vacuum tubes. W To Sims. (T) Asks on what vessel shipt. was made. Amts. will be shipd. Plymouth. 7/16 Sims - Copy 2747 Reqst expedite delivery of vacuum tubes, to Plymouth. 8;12 SIMS: Copy 3473 Reqst action. 8;22 To S&A Reqtd. to advise Com.Nav.Forces on what vessel & when tubes were shipped. 8/16 To S&A Reqts. inform. on shipt. of vacuum tubes & r.tels. shipped abroad. 8/28
325621	7;11	Sims COPY 1011	Reqst infor as to amount of radio tel spare parts via Winchester to base 27. To S&A Quotes cable from Sims for reply. 7/16 S&A-Fwds copy from Sims W 9;9 To S&A Re information as to # of rad. tel. spare parts shipped to Base 27. 9/14
326261	7;8 7;11	3rd Dist Naval Communication	Reqst two sets of blue prints and instructions covering radio sets. To 3rd. Dist. Will fwd. 2 booklets. 7/18 To ---- Fwd. 2 instruct. booklets. 7/25
325853	7/17 Phila 7;29 New York 8;7 New York-9;4	To Ind.Mgrs., & Coms.	Radio telephone equipt is authorized to be installed in each of the vessels listed. W To Com. C&T Force, Hoboken. Encl.copy of SE let. of 7/22. 7/25
35316	7/13	Inspr Chicago	Radio telephone sets-Western Elec Co. rqsts info New York - 9;28 four letters.

CARD 21

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TELEPHONES; RADIO

Number.	Date.	From or To—	Subject.	
322339	7;2 Z	Sims Copy 432	Arrangements made with British Ever-ready Company for and mfg of basis for batteries. W Sims - COPY 1224 - Asks on what destroyers the dept started instal. Cross to 917	7;15
323248	6;29 7;2	Coast Def of Lng Isl Sd Naval Dist Base	Reqst bureau's assistance in securing delivery of radio tel equipment from West. Tel Co. To----- Sets will be shipped upon rect. of nec. shipp.instruct. 7/8	
321501	6-12	European Force	Reqts spares for radio telephones chaser base Plymouth be shipped.	787-5
324925 See CARD 23 To ----Reqts. tracer on shipt. of copies of tel.instruct.	7;9 Western Elec 8/17 States printed copies sent by express	Western Elec Co. books. 8/22	Fwds copy of descrip on inspec of operating radio tel sets. W To---- Booklet satisf. recom. change of type of dry cell. 7/18 Western Elec Co - Fws copy of descrip of inspec. of tel radio. set. 7;17 West Elec Co-Asks if books rec. W 9;6	
325049	7;16	Sims Copy 956	Asks if all new destroyers are being fitted out with radio tel. previous to their departure, for European waters. W.(T)To Sims.FAIRFAX equipped with rad.tel.previous dep. 7/13	
325430	7-3	N Lon Dist Base	Relative to maintaining stock of spare parts of radio telephone at N Lond Dist Base.	1-Z-6

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TELEPHONES : RADIO

Number.	Date.	From or To—	Subject.	
316008	6/14	To Chicago (T)	Gives instruct. for shipping telephones W	
316448	6/15	To Sims (T)	Explains shipt. of telephones. W Copy - Asks when radio tel sets were shipped. W 7;8 To Sims. (T) Sanda reqtd. advise you vessel & date on which tels. were shipped. 7/16 To S&A Reqts. that he reply to Sims & gives text of reply. 7/16	
294640		SEE CARD 14	Western Elec Co - Fwds diagram on description of proposed interphone system for radio telephone set. W 6-15	
317894	6/19	To Amer. Ever-ready Co.	Information reqtd. re availability of batteries. W28 To Western Elec.Co. Re batteries for radio telephones. W 6/19 To Dept. Re above. W 6/19 Washington 6;26	

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TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.
319367	6;21	Western Electric Co.	Fwds new issue and specification covering installation of radio telephone sets. W
319436	6/24	To Sims	Have special base spare part boxes for each 12 radio phone sets Type CW-936. Inform how many boxes and to what bases you desire shipt made co sidering that phones will be installed on all subchasers and destroyers. 787-1
319925	6/26	To S&A	Reqts. shipt. of radio apparatus from NY to & for Bermuda. W
TO CARD 54	of shipmt of radio phone equipmt 7/26. 11/28	New York-Radio telephone shipt 10-23 Fwd Capt. Cutler via Navgn.12-29 RB-1;29 To Bermuda 2/2	New York - 7;9 To---- Reqts. report showing status of each item. 8/15 To S&A Reqts. shipmt from NY to Bermuda Radio telegraph phone equipmt 1 0-15 S&A Oct. 18 To Bermuda- Fwds let from S&A giving status
322117	6;27	Western Elec Co.	Fwds copy of letter from Long Island reqst information on radio.tel. W To Signal Corps. Cannot furnish informat. to Capt.Weeks but will to Signal Corps.7/6 War Dept. - 7;18
320710	6/28	Western Elec. Co.	Encl. copy of sketch showing battery box SE3530. W To---- Reqts. reply to let. of 5/28. 7/27 Western Elec Co 8;1
319567	6/22	N Lond Base	submits report of installation of radio phones by Western Elec Co on chasers. W 1-Z-6
325049	7/17	To Sims (T)	1st radio compass installed LITTLE. W

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[OVER.]

Number.	Date.	From or To—	Subject.	
307896	5;16	New London	Submits itemized list of radio equipment since abroad with Captain R H Leigh. W	
309036	5;20	G E Company	Combined Trans. and receiving tel. sets developed for signal corpse. Will fwd information in connection with if desired.	
310082	5-25	To N Lond	Rqst certify to Inspcr Chicago number completer Western Elec radio tel sets type CW 924 and CW 926 that have been delivered and passed inspection-- W N Lond B ase - copy of letter to Insp Chic listing radio telephone sets recd - 6/5 Inspr Chicago-rqst instns 6/8 To Chicago. Insp. should be informed re radio telephones for inspect. W 6/13 Western Elec 6;21	
310867	5-24	Western Elec Co	Radio telephone equipments for forces over sea. Believe somebody ought to go abroad for conference with Admiral Sims force in connection with. Recommends Mr. E. B. Craft be sent. W To Western Elec Co- Approves above- Suggest be employed by navy for above work-ask to name nominal per diem figure--5-27-- Western Elec Co - W 6-1	
37617	5/28	F Lowenstein	Request approval of furnishing automatic compensator panels on motor telephone radio set- W	629

N.S.E. Form 134.

TELEPHONES: RADIO. 902

Number.	Date.	From or To—	Subject.	
311124	5/24	Naval Communications F.C.	Fwds copy of letter from American Steel at Palma De Mallorca reporting installation of radio telegraph and telephone apparatus on Spanish steamer under DeForest patents - W	
311820	5/28	Western Elec Co	Fwds specifications covering installation of their C. W. 936 radio telephone sets. (Cross to 1-Z-6 & 2-Z-6)	
312700	5/28	Western Elec Co	In connection with compensation per diem of Mr Craft to go abroad to consult with Admiral Sims Staff - W	
306481	5-16	To Phila Phone	Preprialiory reqsn for intercommunicating phones for use of destroyers-W	
313403	5/31	Western Elec Co	Fwds invoice covering experimental material shipped to C apt Lee - W To N Lond- Fwds letter from Western Elec in re material shipped-5-6 received back	6:21
315574	6/11	Dept	Tests of G E wireless telephone and telegraph sets have proven very satisfactory. W	

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[OVER.]

TELEPHONES: RADIO

Number.	Date.	From or To—	Subject.	
302652	4/30	Western Elec Co	Fwds list of rdio telephone sets, etc expected to be delivered to NY Yd by 5/1 for overseas shipment - Y To___ Asks if each of sets forwarded include instruction book- Also asks additional sets 5-22 To ____Reqts. reply to letter, 6/24 West Elec Co - Fwds copy of inspec. books 7;3	
720	4/27	S&A	Wash Yds request authority to ammend contract to call for additional radio telephone recivers	629
303308	5-3	Sims T 7373 IL 7340	Request all available information on radio telephone be fwded for use of French authorities. To N Lon-Rqst info on radio phones-5-7 New London Base sub. information re test on radio forms. 5;20 W To___ Fwds copy CW-924 covering installn of short range radio phone sets on sub chasers and ten copies of instrns for operation of these sets 5-22 To Cdr USNav forces in France- ditto 5-22 N Lond B ase - submits information on operation of radio telephone - 5/20 - W	
293998		CARD 14	A H Cohen - Request instructions re tests of airplane radio telephone sets. W 4/29 A H Cohen test postponed for 30 days 5;8 Mare Island. 5-17	

To Sims- Fwd copy report from N Lond- in re use of CW 924 ra radio telephone set-6-3

To NY Fwdg. description instruct. for operation of rad. sets. 6/18

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TELEPHONES : RADIO

Number.	Date.	From or To—	Subject.	
304941	5/8	Sims	Copy XXX4 7646-IL-7607 Rqst shipment be made of 15 radio telephone sets to Gibralter.W TO S&A-- Rqst shipment from NY to Gibraltar radio apparatus--5-11 To S&A,rqst cancellation shipmt to Gibraltar,12-11	
304915	5/6	Western Elec Co	Ask if advisable to make up a fewhundred additional radio head telephonex receivers.W To Western Elec Co- Not advisable-5-11	
305304	5/9	Sims	Copy-7682-IL-7654 Ask when radio phones may be expected.W TO S&A-Rqst reply to Sim's cable in re delivery of radio phones-5-11	
307533	5;15	Naval Communication	Fwds report of test with wireless tel. at naval academy. W.	
307108	5-17	To Western Elec. Co	Rqsts delivery of radio telephone sets, W Western Elecl Co-gives dely made to date. 6/7 Western Elec Co 6/12	
7288074	5-18	See Card 13	To Phila-Radio sets for destroyers 75-344-W	

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[OVER.]

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TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.
292660	3/26	To Lt. Eaton	Fwds copy of instrn booklet for type CW 924 Western Elec Radio telephones. W
293467	3-28	Western Elec Co	Fwds memo showing conclusions arrived at at the recent conference on telephones for subchasers. W To--Comments on.4/2
292646	3/28c	To New Lond	Radio telephone sets on chasers, tenders and other vessels. Auth to purchase necessary material from Western Elec Co. W
293998	3-22 A.H.Cohen 4-11 A.H.Cohen--4/10 To Mare Isl-Fwd complete report of test--4-26	M Is	Wireless telephone developed by A.H.Cohn - forwards photographs. W To M.Is.--Directs make further tests.4/5 To A. H. Cohn--Ask if will submit improved model for test.4/5
Card 15			
294640	4/2 Western Elec Co-Bu's understanding correct.4/11	Western Elec Co	Radio telephone sets for chasers fwds prints and dewcription of interphone system.W To--Comments on.4/5
35316	4-2	Western Elec Co	Radio telephone sets--aks if they are to istall 250 sets at New London willfwd specifications and prices in a few day 's 629
295033	4/5	To S&A	Reqt shipt of telephones etc., from NY to MELVILLE.W NY 4-17

CARD 17

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TELEPHONES; RADIO 902

Number.	Date.	From or To—	Subject.	
X 295034	4/5	To S&A	Reqt shipt of radio telephones, etc from NY to Gibralter. W NY 4-17 New York Oct. 11	
295116	4/5	To Pug Sd	Specns for telephones and telephone cords. Fwds. W	
298111	4-15	Sims copy 6570 IL6511	States one storage battery charging panel is required for each radio telephone set. W	
297370	4/13	To S&A	Reqt shipt of radio telephones, etc., from NY to Queenstown, Ireland. W	876
299694	4-18	N Orl	Submits bill of lading covering shipment of radio head telephones, ships. W	
301969	4/23	Co	Request authority to turn in Western Elec radio telephone sets - submits results of test on - W	130-6
302250	4-27	Sperry Co	Seaplane radio telephone set furnished from Western Elec Co for test has been returned. W	

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[OVER.]

TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.
286426	3/5	Sims	4709 - states British Admiralty satisfied with efficiency of American radio telephone - reqst 4 sets be shipped at once - W
To--Ask if telephones will be used on gas driven boats.3/9			
SEE CARD 29		To Western Elec Co-- 4956 & 3634---Sims-copy-states telephone not to be used on gas driven boats-reqt latest information.3/10	
3/12			
		Westinghouse Co-Reqt-	We OVER
287119	3/7	To Western Elec Co	Reqn for 50 interplane radio tele sets, Instrns re what accessories for antenna should consist of. W
To--4/2			Western Elec Co-Confirms conversation between Lieut Comdr Le Claire and Major Craft. W 3-25
287360	3/8.	To Sims T	Ask if 50 radio telephone sets ordered from British Admiralty to be used on gas engine driven boats. W
287882	2/16	European Force	Submits reporton radio telephones installed onnBritish ships-statement rel to work done-suggestions for new equipment.
Western Elec Co-returns report.3/25			To---(T)Gives action being taken re purchase of telephone material.3/11
			To Western Elec Co--Fwds copy of above report.3/11
			Sims #5118-Twenty ampere hour batteries insufficient - recommends two eight hour batteries. W 3-14
288055	3/11	To 3rd Dist	Enrollment of Chief Electricians for radio telephone work. Reqt infor re number of, now being instructed. W
			3d dis--3/15
288056	3-11	Wash.	Fwds. photo of type SCR 60 wave metter for use in tuning radio telephone sets. Directs test apparatus. W. 893-4.
288073	3/12	To Sub Base New Lond	Radio telephone sets for stock. Directs advise Bu when have enough. W
			N Lond Base-W. 3-21

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TELEPHONES: RADIO. 902

Number.	Date.	From or To—	Subject.	
288074	3/12	To Dept	Destroyers. Installation of radio telephone sets Reqt auth for installation. W--RB--3/16 To C&R 3-26. RB 4-2 See Card 15 To C&R--4/19 Phila-5/7 Philadelphia 5:10	
	To Phila-Fwds one vandyke of drawing RE 8A 119A, showing the proposed location of storage battery locker--5-16			
289598	3-14	New Lond.	Copy of letter to Navigation relative to training electricians for radio telephone work. W.	707.
290196	3/18	To Sub Base, New Lond	T Bu has arranged supply three sets radio telephone apparatus to New Lond for Instrn pusposes. W	
290501	3/19	To Chasn	Radio telephone sets installed on chasers. Directs keep Bu informed in connection with. W To Sub Base--New Lond--Ditto. 3/19 Chasn - W 3-26 To H.W.Wallace--Directs fwd card for each chaser equipped with radio telephones.4/3 Chasn 2 4-1	
	N Lond Dist (T) request 1000 forms 629 - 4/17 Western Elec Co 5/9.			
286426		OVER	Sims #5442 - Requests 44 sets for Queenstown-31 for Brest, and 15 for Gibraltar.W 3-21 To S&A--Reqt shipt of radio telephones from NY to Brest.3/22 To S&A--Reqt shipt of charging panels from NY to Brest.3/27 To Sims--(T)Shipt will go fwd in April.4/1	
	To S&A--Reqt shipt of telephones etc from NY to Brest.4/5 NY 4-17 S & A Oct. 11			
292062	3/25	To Western Elec Co	Acknowledges receipt of pamphlets of telephone set in submarine chasers. Reqt list of vessels to which pamphlet has been furnished. W	

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[OVER.]

TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.
277562	2/6	To Western Elec Co	Fwds report from Capt Leigh re design of future radio telephones for use on chasers, destroyers, etc. Detailed comments on. Reqt comment on.W To Sims--2/6 Western Elec Co 2/9 To--Plans and designs satis to Bu.2/14
279704	2-4	Western Elec Co	Vacuum tubes, S type, for use on chaser radio telephone sets; understands no further use; asks if not possible to cancel order.W To--No needed at once.2/18
280030	2/8	To New Lond T	Ask desired range in miles radio telephone sets for subchasers. W To Western Elec Co--Instrns re designing wireless telephone sets.2/9 To Sims--(T)2/9 N Lond Exp Sta-R-are sending at one mile range.2/9
280475	2/11	To General Elec Co	Submarine chaser telephone sets to be installed at Chasn. Tug will leave New Lond for Chasn Feb 20 which could carry apparatus. Reqt drawings for wiring be completed at once. W Western Elec Co-2/20
281031	2/12	Memo for Lt. Fawell	Radio apparatus that will require operators of special training in actual use of apparatus. Describes apparatus. W

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TELEPHONES: RADIO. 962

Number.	Date.	From or To—	Subject.	
281360	2/14	To Western Elec C o	Directs send necessary men and material to Chasn in time to equip 14 chasers with radio telephone sets by M arch 1st. W To Chasn--Directs have radio electricans become acquainted with working of sets. Western Elec Co--2/220	2/19
281691	2/16 WesterneElec Co-Forces at Norf engaged in testing work-no complete report received.W 2-27	To Western Elec Co	Reqt bring inter-plane radio telephone set and 100 mile airplane radio telephone trans to Hampt Rds for tests. W	
282545	2-7	N Lond. Exp. Sta.	Requests authority to employ Western Elec. Co. or any other company from time to time to install wire etc for radio telephones on chasers. W.	1-2-6
282760	2/20	To Western Elec Co	Use of GE transmitting tubes in place of Type E tubes satis for chaser telephone sets. W Western Elec Co - W. 3-5	
284411	2-23	Navigation	Radio telephones - request list of vessels to which they have been assigned. W To--Comments on.3/1	
284916	2-25	Belmar.	Special report on advantages of high pitch telephone receivers; comparrison between Brown & Baldwin types.	898.
285452	3/2	To Western Elec Co	Test of 100 mile telephone sets. Comments on. Reqt insert some chopper in set and test for distance. W	

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[OVER.]

TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.
261368	11/17	To P.L.Nelsan (Western Elec Co)	Orders for reporting to Capt Leigh on DELAWARE. Directs bring telephone sets from New London.W
Fwd.	BU nav. 8/23 SIMS - Copy 2961 Reqst author to enroll E L Nelson as Lt. W		Sims - Copy 2961 - Reqst authority to enroll E.L Nelson as Lt. in Naval Reserves. W. 9.15 Sims - Copy 2931 - Reqst increase Nelson's pay from Apr 1, 1918 Navigation 8/17 --- Fwds copy of Sims dispatches in connection with enrollment of E N Nelson as lieut.
261975	11/17	To Dept	Reqt C.F.Scott, Gen E lec Co be ordered to Bost and report to Capt Leigh for duty on DELAWARE.W To--(3) Ditto for Nelsan, Scott and Eveleith. 11/17
262880	11/24c	To Western Elec Co	Ask if will undertake manuf of 100 short range wireless telephone sets. W
263155	11/27	To Western Elec Co	Short range wireless telephone sets. Reqt general description, etc. W Weston Elec Co--fwds specns describing short range radio telephone set.W To--1/17
264143	11-28	Ordnance	Asks if Bureau can furnish wireless telephone set capable of communication between Indian Head and Nachodoc Creek wire Ordnance intends establish and auxiliary nav proving ground. 856
264314	11/23	1st nav dis	Otter Cliffs radio station-fwdsdaily log of intercepted messages.W

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902
TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.	
259686	11-9	To Western Elec Co	Radio telephone head set built into a sound-proof helmet for use in airplanes. Reqt fwd unit to Wash for test.	898
265834	12-6	John Firth	Writes relative to a wireless telephone invention of Prof Torikata; also quotes prices on some galena crystals. W	898
266422	12/11	To Nav Intell	Darmezin du Roussett Wireless Tele apparatus. Bu has tested trans sets but no telephone apparatus. W	
273033	1/11	Sims	Request fifty telephone sets Western Elec type. W	
		To Western Elec Co—Directs deliver three sets of bulbs with each radio set. 1/15	To—(T) First ten sets will be ready for shipt within two weeks. 1/15	BELOW
273314	1/12	Dept	Directs purchase of 40 radio telephone sets of 25 mile radiuss. W	
273033	ABOVE		To S&A—Are preparing reqm for sets. 1/18	
		Sims—copy of reqt shipment of K&J vacuum tubes, batteries, etc. 3/8	To S&A—Reqt shipt of radio telephone sets from NY to London. 1/18	
		To NY—Instrns re shipt of boxes of radio telephones. 3/22	To S&A—Instrns re shipt of sets. 1/18	
		To S&A—Reqt shipt of Radio app from Wash to Sims. 3/25	To S&A—R eqt shipt order of 1/18 be amended. 1/26	
		To S&A—Reqt shipt of apparatus From NY to England for Anti Sub Div. 3/27	Western Elec Co-1-29	
			To Sims—(T) Gives infor re shipt of material. 2/4	
			S&A fwds letter from NY, giving status. 2-8	
			Fwd S&A—2/13 To Sims. Fwds. 40 booklets. 7/9	
276592	1/26	To New Lond	To Sims. Reqt inform re shipt of radio telephones 10-22	
			Wireless telephone sets installed on Sub chasers. Directs prepare reqn to cover. W	
276593	1/26	To New Lond	Reqt information concerning inc of number of men for instruction in use of radio telephones. W	
		N Lond Sub Chaser Base - (T) asks if telephone sets have been ordered 2/10 - W	Submarine Force 2/2	
		To—(T) Telephone sets have been ordered. 2/12		
		To M.Is.—Ask if sets have passed inspection. 2/13		

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1917

TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.	
229738	5-15 5-21	US Attorney Marshall Distric Supt.Bost.	Rel to experiment of wireless portable telephone developed by Thomas Capperalla & Francis Discovers Finance Corp.W	
To	NY—8/31		To NY—Directs make inquiries in connection with 5/25 1st Nav Dist fwds additional correspondence 5/29 NY asks if matter should be closed 8/22	
26127	5-25	Wash	Sample radio head telephone submitted by John Firth; reports on test; rec against use of interlocking device.	629
235746	6/26	Marine Barracks, Phila	Request information of GE's pliotron transmitting sets.W Fwd Marine Corps—6/29 RB 7/14 Fwd Major Gen Comdt—7/16	
237764	none	Western Elec Co	Radio telegraph and telephone sets for Navy; fwds prints and specifications.W	
243551	8/8	Nav Intel	Fwds translation of French report on wireless telephone experiments in Paris.W Fwd Nav Intell—9/5 RB 10/17	
245520	8/22	De Forest Co	Radiphore or ship warning radio telephones for Lighthouses; fwds photographs of one now installed at Point Judith.W (Cross) To—Submission of bill satis.8/24 De Forest Co request contract number covering; gives amount 8/29 To—9/5	
250898	9/13 E. C. Hanson - fwds suggestions using his method of intersepting messages - (?) W	M Is	Radio telephone invented by E. C. Hanson; reports on test of.W (Cross to name) To M.Is.—Auth furnish CE Hanson copy of test.9/26	

NB—0120

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TELEPHONES: RADIO. 902

Number.	Date.	From or To—	Subject.
252216	10/1	To A.H.Cohen	Radio telephone. Reqt fwd copies of wiring diagrams and general description of the principles. W
To—M.Is. will test.10/27 Cohen states can ship material any time after 20th inst 11/6 M Is 1-30			Cohen 10/12 To M.Is.—Directs test apparatus.10/29
252376	9/26	Robt H Cohen	Radio telephone sets-states is in position to furnish and gives data on certain classes which he has developed.W
252522	10/1	National Research Council Bro. Hoe	Fwds letter from Ralph H. Reynolds, Sept 26th, suggesting ~~supplying~~ splitting message between two receivers, one for dots and one for dashes, to prevent interference and promote accuracy.W
253387	10/8	To S&A	Reqt shipt of head telephones from Wash to Sub Base, New Lond. W
256895	10/26	To Capt Smith	Detailed comments re using phonograph for wireless telephone communication, and possibility of towing three antennas from a moving vessel, submitted by Mr. L. B. Sweet. W
260946	11/15	To Western Elec Co	100 radio telephone sets for install of chasers. Reqt fwd full specns for, also list of spare parts. W
To—Deliveries specified satis.11/28 1-2-6			Co relative to order for 100 head telephones for Chasers 11/22
261864	11/9 11/15	H.G.Cordes Pug Sd	Fwds description of new type of elec oscillator which performs basis new type radio telephone.W
			Fwd New Lond—11/28 RB 1-22 Fwd Pug Sd—1/24

NB—0120

[OVER.]

TELEPHONES: RADIO 1916

Number.	Date.	From or To—	Subject.
203771	10-25	Henry, HS & Con	Request information for Brazilian Navy. W To--Gives infor re test of wireless tele for short ranges. 10/30
204925	11/9	To WYOMING PENNA WASH Atl Flt NY	Instructions re installation of experimental radio telegraph telephone outfits from Western Elec Co. W To Western Elec Co--Reqts to furnish with each set an instruction and install booklet. 11/9 Western Elec Co quotes price 11-11 To Western Elec Co--Cannot purchase as elaborate apparatus as quoted on. Reqt description with bid. 11/14
206549	11/25	To Western Elec Co.	Reqt long range receiving set shipt to their laboratory NY last May be returned to Wash if not needed further. W Western Elec Co request authority to keep set until middle of Dec 12/1 To--Auth to retain. 12/4 Western Elec Co states long range receiving set loaned was returned few days ago 12/14
207941	12/8	To Dept	Reqt auth Western Elec Co representatives experiment in Fleet in Southern waters with radio telephones without interferring with radio telegraph. W RB 12-14 Atl Flt copy of letter to WYOMING to arrange for Western Elec Co's representative 12/20
208563	12-13	Western Elec Co.	Request official request for bid on reqn 52; and confirms proposition made on recent visit of company to Bureau. W To--Gives dates ships will be available for installation of equipment. 12/19 To Atl Flt--Fwds corres for guidance. 12/19 RB 12-26

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TELEPHONES: RADIO. 902

Number.	Date.	From or To—	Subject.
208702	12-14	Western Elec Co.	Are making up modified type radio tel app; ready in 3- 4 months. Reqt return of original set.W To--Original sets were reqted returned some time ago. 12/19
209553	12-23	WYOMING T	Request authority to construct 5x5 house for Western elec telephone.W. C&R copy of instructions to NY 12/26 WYO (T) reqt action 12-27
212346	1-22	Western Eled Co	Request Mr. Stantor to be in charge wireless telephone tests be permitted to go on board ship at Guantanamo.W To PENNA--(T) NN Slaughter, Western Elec Co. Arrives Guantanamo Jan 27th to go on board.1/24 To--Advises action taken. 1/25 To PENNA--(T) Reqt return of Mr. Slauther at once to company. 2/7 ~~Marconi-C~~ PENNA (T) Mr Slaughter leaves tonight Feb 7th 2/7
213959	1-18 Fwd Wash--2/20 RB 3-1 Fwd Wash--3/3 RB 3-8 To--Cannot test at present.3/3	Eitaro Yokoyama	Request test of Unk radio tel phone at NY To--Gives conditions of test. 2/14 Yokoyama will assemble complete and send to Wash for test radio station 2/17
214615	2/13	To Western Elec Co	Ask when Navy Type, long range receiving set shipt to Laboratory last May, will be returned to Wash. W. Co reports returning set to Wash Yd 10 days ago 2/21

NB—0120

[OVER.]

TELEPHONES: RADIO

1916

Number.	Date.	From or To—	Subject.
187684	5-11	Great Lakes	Radio phones; request descriptive matter of those being tesed. W To—Bu has no descriptive matter on. 5/17
187955	5-8	Wightman & Crane	Asks best type of radio telephone for communicating between 2 islands 75 miles apart. W To (sec. sig) 5/27 Fwd Dept 5/27
188207	5-16	Operations	Copy of instructions to Phila for testing radiotelephone.W
188257	5-17	Dept	Telephones; directs no radio telephones apparatus be installed in Atlantic Fleet until type is developed that can be used simultaneously with radio telegraph without interference.W
190840	6-15	To Atl Flt.	Short range radio sets; have reqtd authority of Dept to have enginners of Western Elec Co to install and conduct of radio apparatus on ARKANSAS & FLORIDA. W To Dept--Reqt authority for above. 6/15 RB 6/22 To Dept--States ships will have to steam in certain circles in making tests. 6/20 At Flt copy of instructions 6-21 Operations copy of instructions no date At Flt copy of to board to test 6-27

N.S.E. Form 134.

902 TELEPHONES: RADIO:

Number.	Date.	From or To—	Subject.	
191063	6-17	To Western Elec Co.	Bu has requested that C-in-C be authorized to arrange for tests of appraturs on FLORIDA & ARKANSAS. W To--C-in-C has arranged for board of officers to cooperate with. 6/27	
1				
193156	7-8	At Flt	Reports on test of short range sets ARK and FLORIDA. W	
193277	7/6	At Com Sys	Sayville; reports experiments with new receiving apparatus consisting telephone relay and Edison phonograph	855
193303	6-30	American T&T Co	Fwds copies of telephone Review containing report of recent telephone test.W	
195115	7-31	To S&A.	Reqt shipment apparatus from FLORIDA to Western Elec Co. W To Western Elec Co-- Have reqtd shipment of telephone sets to Co. 8/1 To S&A-- Reqt shipment from ARKANSAS to Western Co. 8/1 ARKANSAS (R) asks what shipment order covers 8/5	
~~196138~~	SEE CARD 27		To ARKANSAS-- See 176851-902. 8/4	
195666	7/25	Atl Flt	Report of Board on test of short range radio sets using telephone sets as telegraph sets.W	

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[OVER.]

TELEPHONES: RADIO

1916

Number.	Date.	From or To—	Subject.
179097	2-8	Hanson, A.	Request data on wireless teleph ne. W To--Take up with manufacturers. 2/15
180251	2-16 2-25	Ports Dpt	Reports overhearing radio telephone test. W Fwd Rad Ser-- 3/4
180684	12/7 1/19 3/3	Supt Radio Gen Board Dept	Use of radio telephony in Navalservice; detailed recommendations. W Fwd Rad Ser--Comments on. 3/25
181886 VOID	1-17 3-8	Phila Testing Plant S&A	Re t oil burning galley range and accessories; S&A states not a proper charge against their appropriations. D
183378	929-15	Western Elec Co	Bulletin giving results of long distance telephone tests. W
184704	4/17	To G E Co To Western Elec Co	Gives outline of conclusions arrived as to use of radio telephone from operation of apparatus installed in the Fleet 898
185391	4-19	At Flt R	Phones Western Elec and GE; reports on; have worked satisfactory but recommend against installation on vessels; recommends buzzers. W Fwd Dept Via Rad Ser-- Concurs in. 5/6

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TELEPHONES: RADIO. 902

Number.	Date.	From or To—	Subject.
185974	4-26	Operations	Copy of instructions to Norf and BS relative to test of American Tel & Tel Co long distance telephone.W
186071	4-26	NEW HAMPSHIRE	Will be at Hampton Roads Apr 28 to receive Roads to receive wireless telephone and Company's representative.W CO will be at Hampton Roads Apr 28 to receive representative 4-25
186189	4-28	Dept	Telephone tests; lists schedule for Arlington. W
186619	4/27	G E Co To GE Co--Quotes report of Atl Flt on. 5/10	Radio telephones; reqt specific information relative to trouble developed in instruments furnished by G E Co.W To Comments on. 5/4 To Atl Flt--Reqt report on GE type radio tele sets now in service. 5/4 At Flt reports oj 5-5
186605	5/2	Dept	Demonstration of telephonic and telegraphic communication between Navy Dept, Navy Yards and Stations, to be held May 6, 7 and 8.K
186830	5-5	Dept	Pass required for employees during telephone tests; directs carbon copies in lieu of originals of lettes be furnished. K
186965	5-6	Dept	Telephone tests; mobilization order issued by the American T&T Co. K
187667	5-11	GE	Radio telephone; request return of telephone material from WYO and VA. W To--Have directed return of telephone.5/16 To S&A--(2) Reqt shipment from WYO & VA to Ge Co. 5/16 WYOMING duplicat on in transmitters listed 6-1

RB-- from S&A--transferred from VA to NEW JERSEY and thence to NEW YORK with 3rd Div Flag 6/7 Fwd S&A--6/8 RB 7/5
Fwd S&A--7/6

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TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.
174494	12/21	Dept	Fwds newspaper clipping reporting operator has in his possession wireless telephone from F-4; reqt be investigated.W Fwd Hawaii-For compliance. 12/24 RB--consists of portion of battered head piece reclaimed from dump--1/24 Fwd Dept-- 1/25
174798	12/22	Western Elec Co	Telephones; reports shipment of 35 3-member vacuum tube devices to Washington; also reports shipment of 25 to Atl Flt for use during test.W To--Have reqtd permission to have representative to witness tests. 12/27
	To Wash--Reqt report on test of vacuum tube bulbs. 12/27		
174702	12/22	Western Elec Co	Relative to furnishing ten small telephone sets to Navy.W
174703	none	none	Telephones; test of on fleet; suggestions for installation and test.W
174756	12/18	Pug Sd (Expert Radio Aide R. H. Marriott)	Reqt authority to publish statement ~~of~~ in Elec Review and Western Electrician that recent telephone tests were most important development in radio during past year.W Fwd Pug Sd--Not considered advisable to publish. 12/28
174799	12-27	To Dept.	Reqt permission for Western Electric Co representative to take passage on Atlantic Fleet in connection with experiments with radio telephone sets. W Rb Appvd. 12/29 To Atl Flt--Fwds copy corres on. 12/30 To Western Elec Co--Permission granted to take passage with Fleet. 12/30
174927	12/23	Atl Flt (Personal)	Reports on status of testing wireless telephones, Western Elec and Gen Elec Co; reports on work necessary to install, etc.W

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902 TELEPHONES: RADIO:

Number.	Date.	From or To—	Subject.
174956	12-30	To Yards-Ships.	Radio telephones sets for ships; appvs expenditure of $50 for installing samples sets on ships. W
175245	12-31	Western Elec Co	Reports sending 26 tubes for telephone test on WYOMING. W Fwd Atl Flt-- 1/3 RB 1/7 To--Have notified C-inC. Atl Flt. 1/3
			1916
175744	1-5	Western Elec Co.	Returns constants used in connection with telephone trials.W
175824	12-24	Western Elec Co.	Reqt instructions relative to furnishing R.H.Marriott photos of antennae used at Pearl Harbor telephone tests. W
176485	1-14	Western Elec Co	Reports shipment of 2o small vacuum tube to radio laboratory Washn for test in connection with telephone test .W Fwd Wash-- 1/21 To--Will make test of. 1/21
176851	1-17	Western Elec Co	Reports on progress experimental wireless telephone set; 10 mile size.W To--NY will take up with Co. 1/24 To NY--Fwds copy above;have reqtd shipment of apparatus to ships. 1/24 To Atl Flt--Fwds copy above. 1/24 To S&A--Reqt for shipment. 1/24 To Dept--Rec R.A.Hersing be permitted to take passage with fleet. 1/25 RB 1/28 To--Dept auth visit Hersing. 1/25 To Atl Flt-- Fwds copy above. 1/25 Fwd Atl Flt-- 1/29 RB 2/23 To Dept--Reqt Hersing and Slaughter be auth to passage with fleet. 2/7 Dept grants permission 2-9 To--Atl Flo auth to allow passage.2/11

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TELEPHONES: RADIO.

Number.	Date.	From or To—	Subject.	
167058	9/30	Amer T & T Co T	Transcontinental telephone message; extends thanks to Bureau for aid.C To--(T) Ack with thankgs; extends congratulations. 10/1 To Dept-- Fwds copy above/ 10/1 To--Ack receipt of. 10/2 To--Lieut Hooper ack receipt of tele. 10/2	
167661	10-7	Crenshaw T	Reqt authority to keep Western Elec experimental receiving set. W To--(R) May be retained. 10/8	
168247	10-13	Goldhorn, Dr. L.	Reports overhearing telephone experiments. W TO -- ack 10-16	
168725	10-1	M.Is	Submits report on transcontinental telephone communication; American T&T Co. W Fwd Operations 10/21	
169210	10/19	Guantanamo	Reports overhearing telephone conversation.W	
169508	10-23	Naval Attache Paris	Reportw on telephone tests with Eifel tower.W	
169565	10-20	Western Elec Co	Telephone test Arlington; fwds photos.	
169797	10/27	NY	Specns 16R1; head gear for radio receivers; asks if any change desired	898

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TELEPHONES: RADIO 902

Number.	Date.	From or To—	Subject.
170038	10-22	Darien	Western elec receiving set used with long distance telephone experiments; fwds description of; states far superior to any receiving set at station and request be allowed to retain for permanent use.W
170833	11-9	GE Co.	Reqt that Bureau test out 2 small radio telephone sets; on BS; also reqt investigation of magnetic amphilier for high frequency current.W Fwd Atl Flt--12/23 RB 12/26 To-Will be pleased to make test of 11/11 To--Will test on WYOMING. 12/3 To Atl Flt--Instructions re test. 12/3 To NY--GE will delivery sets for test.12/3 To NY--(R) Have GE delivered set to Yd for est Atl Flt. 12/17 NY (R) telephone sets not received from GE 12/18 NY (R) received WYOMING 12/21 To NY--(R) Sets shipped to NY on 11th. 12/20
171063	11-6	Hamilton, J.S.	Suggests se of copper shields around sending apparatus so that waves will travel in only one direction.W To--States idea has not been used in radio sets of recent design. 11/13
173007	12-4	To Western Elec Co.	Re test of sample radio telephone outfits on board ships: inform Bu as to date of delivery in order to issue instructions regarding assignments. 12/4 To Atl Flt--(R)Take up with Western Co re installation of set. 12/10
173423	11-27	Nav Intel	Radio telephone tests; Confidential report from Naval Attache Paris, relative to operation of Western Elec Co. abroad and endeavors of British Adm. to secure information from; also reports DeForest is claiming tests made with DeForest apparatus and that he is special representative of the Navy Department. W Fwd Rad Ser-- 12/13
174091	12-15	At Flt (Personal)	Relative to test of GE Co and Western Elec Co telephones.W

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TELEPHONES: RADIO 902

Number.	Date.	From or To—	Subject.	
133929	8-31	Phila	Fwds copy of a report made in November 1913 reporting telephonic communication between station at Tuckerton, N.J. and Naustadt, Germany. W Fwd. Supt. Radio 9-9	
136290	10-7	Wireless Spec. Co.	Gage wireless telephone; asks if Bu tested and if satis. W To--Must obtain consent of proprietors. 10/19 To Chandler & Gage--Fwds copy of proposed letter to Wireless Co. 10/19	
136900	10-8 10-13	Engle, R.A. Dept	Calls attention to his new system of radio telephones. W. To-- Comments. 10/15	
138661	10-30	Nav Intel	Marconi Wireless telephone; fwds report on. W	
138732	10-30	Nav Intel	ditto	
142867	12-16	M. Is	Dwyer wireless telephone; reports on test of. W. To Hon J. Kahn--Fwds copy report of. 2/23	
143343	12-15 12-30	Harrison, W.H. Dept	Fwds copy of patent; states if Govn is infringing same will bring suit. W Fwd Dept--No apparatus in Navy which infringes the patent. 1/2	
150083	3-16	Mottinger, B.T.	Asks if any on market. W TO -- gives names 3-23	
154386	? 5-7 To M.Is	Kahn, Hon J Dept --Fwds copy of corres. 5/20	Reqt arrgt be made to test Dwyer wireless telephones. W. To--(Secy's sig) M.Is will be instructed to make necessary arrangement for. 5/11 Dept auth M.Is be instructed 5-14 To M.Is--Re test of. 5/15	

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TELEPHONES: RADIO

1913

Number.	Date.	From or To—	Subject.
110983	11-21	Chandler, & Gage	Gage telephone set; test at NY; reqt. inform.W To---question submitted to Dept.11/22
111108	11-15	M.Is 11913	National Wireless T&T Co.Test of; reports on; can carry on communication 100 miles.W
		1914	
114458	1-8	Dept	Fwds ~~temperary~~ booklet on Fratelli-Marzi radio telephone.W Ret---1/12.
118129	2-19	Gage, E.G.	Gage wireless telephone sets; reqt Dept allow test NY Yd and Conn.W Fwd NY.approves tests.2/21. RB 3 5
125180	5/12	Marconi Co.	Calls attention to tests of wireless telephone apparatus.W TO interested;.for Secy Signature 5-20
125892	5/23	Dwyer W.T.& T.Co.	Request test of their wireless telephone.W Fwd Dept--recommended 5/28 RB 6 1 app'd Fwd M. I.--6/1 RC 7 20
126065	5/26 6/29	Judge Marion DeFries Dept.	Dwyer Wireless Telegraph Co.requests Navy grant permission to hold test.W
127554	6/13 6/16	Marconi Wireless Co. Dept.	Wireless telephone sets; British Co.will ship one or two complete sets for demonstration by navy.W Fwd Dept.6/17

Number.	Date.	From or To—	Subject.	
86510	12-30 1-2	Gage, E.G. NY 855-2	Reqt. authrotiy to have tested at NY. W. To NY.appd 1/4.	
88192	1-20	NY 855-2	E.B. Myers reports will have telephones ready for test shorting.W.	
88560	1-17	12th Nav.Districk	Fwds clipping from Los Angeles Daily Tribune understands arrangement made for test at Arlington.W.	
94555	4-8	NY 855-2-8	E.B.Myers; states does not deisre to have New York Yd. make test; Yard reports that inventor evidntly endeavoring to obtain endorsement without submitting any instrument. W.	
95596	4/22	S&A	ARLINGTON: fwds bill covering adjustable telephone head set issued to Mr.Clark in connection with tests.	841
97327	5-14	Firth, John	Sample sent will be ready for test 2 weeks. W	
98137	5-10 5-24	McLaren, W.W. Dept 26840-1807	Fwds sketch and description of patent telephone transmitter for use on radio telephones.W To---(For Secy's sig.)5/27.	
98209	5-22	Fall, L.M.	Have perfected system of carrying 20 miles; joint pattent of Fall, Hanson and Twinging. W To---willing to test.5/27.	

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TELEPHONES: RADIO: 902

Number.	Date.	From or To—	Subject.
98316	5-23 5-28	Dept. Justice 159913-40 Dept 11561-23-1	Radio Telephone Co. telephones; reqt. all information available for use in connection with Govn. suit again t J.D. Smith, et.al., for fraudulent use of mails in selling stock.W To Dept. Papers were fwd to Dept. by 58142-902 Jan 10,1912.5/29. Fwd Dept via Ord. 5/29.
99827	6-13	M.Is 6583	Recommends National Wireless Tel & Tel Co. be allowed to install wireless telephones M.Is., Pt. Arguella, and on a cruiser for test. W. To---approved.6/19. M.Is.Company has installed telephone line; will report later. 7-24
101961	7-11	Young, J.B.	Submits terms for Government to purchase option in company.W Fwd Dept.together with letter for Secy's sig.7/22 To M.Is.Asks if Natl W.T.&T Co. has installed sets at M.Is and Pt Arguello for tests.7/22 M.Is.7/29 contemplating installing another phone at Point Arguello.W
102954	7/30 8/5	J.B.Young Dept.	Further relative to his wireless telephone.W To Young (For Secy's sig)8/5 Fwd Dept.8/5
108726	10-23	NY 855-2-12	Gage radio telephone apparatus; reports on test of. W. Fwd Dept via Supt Radio.for consideration. 11/1 R.B.with Gen.Boards comment 11/25 BELOW
109006	10-28	De Bries, N.	Reqt. permission for Wireless Tel & Tel Co. to test radio telephones at M.Is.W To---willing to test.10/31.
108726		SEE ABOVE	Ret Dept.11/29. To NY.fwds copy corres. requirements for future tests.12/15. To M.Is.Same.12/15.

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Number.	Date.	From or To—	Subject.	
52894	11/7	To Wash	Pickard adjustable telephone receivers. To be charged to Yard. have been delivered to Bu. Standards.	840
			1912	
58142	12/27	Dept.Justice 159913-1	Reqt. all data on Bureau Equipt. Files in connection with Radio Tele.Co. wireless telephone installed on BS in connection with suit of PO Dept.W Ret Dept. via S&A. Forwards all papers.	1/10.
62172	?	S&A	Fwds compilation of purchases of Radio Telephone Co. Wireless. W	
62660	3/4	Nat/Elec.Sig.	APPARATUS: can supply telephones operating 12 miles	876
64441	3-14	M.Is 293	Reports on test of wireless telephone appratus National Wireless Telephone and Telegraph Co. Satisfactory. W (W) to---ASKS if satisfactory test can be made on NERO this summer.	4/2.
65120	4/1	To IOWA	Radio telephone apparatus on board VERMONT; Asks if desires for experimental purposes. W	
65357	4-3	IOWA	Aboard VERMONT; reqt. for experimental purposes. W To---.Norf. S&A. Reqst shipment radio telephone set to Phila.	4/5.

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TELEPHONES: WIRELESS: 902

Number.	Date.	From or To—	Subject.	
65917	4-10	M.Is	Impossible to carry on telephone tests on NERO with present gen.sets.W	
68025	4-24	National Wireless Tel & Tel Co	Reqt. test of their wireless telephones.W To N.Winants. Bu has under consideration matter of testing.5/11.	
69118	5-17	Nav Intel	Fwds articles on new Radio telephones invented by 2 Italian Army Officers.W	
69180	5-11	Nat.W.Tel & Tel Co	Urges placing of telephones on ships; recommends they be required by law; cites Titanic disaster to show need of.W	
74982	8/2	Clapp-Eastham Co.	Refuse to definitely commit themselves as to adaptability for wireless telephones	898
82333	11-6	No.Amer.Selling Co	Myers system; reqt. Bureau investigate their plant in upper New York for obtaining practical results with BS. W To---& NY, directs NY investigate and report.11/12.	
82631	11/7	Wireless Spec. Co.	Reports stock of Leyden jars and Pickard adjustable telephones ready for delivery. N.Y. reports on stock on hand	876
83533	11-19 11-23	Myers, E.B. NY 855-83	Reports re his set; disclaims authority to North American Tel. Co. to act as ajent.W Ret NY.Instructions.11/27.	

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TELEPHONES: WIRELESS

FILE No.	From or To— (Dated)	Subject.	
28276 1/3	Julius Kahn, Hon.	Requests that permission to granted to operators on West coast to report receipt and non-receipt of telephone messages sent by them	
32034 2/20	Brook	Cont.14509: head gear: recommends inspn after delivery at N.Y	629
32588 2/23	M.Is.	POINT ARGUELLO: reqt auth. to cont. for line	829
35786 4/1	War Dept	UNALASKA &c. gives cost ~~6~~t that furnished.	845
36307 4/14	Navgn	Fwds report from Wireless operator steamship Princess victoria of catching wireless telephone messages, etc. W Fwd Puget. for information.4/27.RB 5-25	
37224 4/27	TO S&A	Asks if wireless telephone receiver on board MINNESOTA can be transferred to Washn. Yd. for experiments without charge. W	
38310 5/9	S&A 115311	Telephone receiver on MINNESOTA can be transferred to Washn. for experimental purposes without charge. W Fwd MINNESOTA: Directs be prepared for shipment.5/11. S&A & MINNSEOTA. Reqst shipmt from ship to Washn Yd.or set for experimental purposes.8/21. RB 8-31	
44263 7/22	TO M.Is	Poulson: directs purchase of 2 sets for testing purposes.W	
47001 8/20	C.O.	PATAPSCO: reqt spare set head phones for:	334--6
52529 11/12	To M.Is.	Directs test of National Wireless Telephone Co's telephone.	

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TESTS RADIO 1922

Number.	Date.	From or To—	Subject.
632809	FROM CARD 68		Mine Sqd. 1- Report on test. 9/8 W
641487	9/14	5th Dist. Copy	F-5 plane 3874 arrived at Ham.Rds.-radio test very satisf. W.
646336	10/20	Subm Div. 14 (T)	Report heading Camp Alfred Vail, and eastern amateurs- suggest Anacostia use 210 meters, multiple tune antenna. W. To Div 14 (T) Anacostia will transmit meters cc Dir Comm- cc Anacostia 10/23

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TESTS: RADIO 1922

Number.	Date.	From or To—	Subject.	
648423	11/7	To Comdts MI Pug Snd Stations P H Guam cavite	Receiving tests at Washington- Fwds plan W W.I. 11/21 Submits comments W Fwds Washn 2/2/23	
648852	11/9	WM Bruce	Ask if apparatus brought to Washington will be pleased to investigate any new develop ent you bring. Apparatus should be taken to Anacostia 11/9 W WM Bruce Jr. 2/5 Rosts action W Wm M Bruce 2/16 Appreciates Bureau's cooperation W To WM M Bruce - Gives Action taken comments on relay 2/15/23 To W J Bruce - Gives paragraph to be substituted for paragraph 2 of Bureau's letter of 15 Feb. W 2/27/23	
652733	11/23	Sub Div 14	Fwds letter from Gunner T A Marshall with report of Anacostia and other Experiment work W Fwds CO Anacostia 1/4/23 RB 2/7/23 W Fwds Div 14- P H 2/15/23	
654294	12/20	U.S.Fleet T	Request repetition of radio test Dec. 21, 22, & 23. W To C-1-C U S Fleet (T) appvd 12/20	

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[OVER.]

Number.	Date.	From or To—	Subject.
626994	6/2	MI	Report on test conducted between Pearl Harbor and Eureka using tube transmitter. W.
629542	6/24	To Key West (T)	Transmit for Bu Standards test on calling wave and sending wave cc Dir Comm- Bu Standards W To Key West- Wave length adjustment cc Dir Commns 6/28 7th Dist. 7/5 W
632008	5/29 7/5	Battleship Sqd. 4 Pacf. fleet	Report on test of model TC apparatus. W.
637868	8/16	Atl. Fleet (T)	Request Bureau Standards take measurements when vessel tests arc. W. To CO (T) gives action 8/18 Atl. Fleet- (T) Report on measurements. 8/18 W

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TESTS RADIO

1922

Number.	Date.	From or To—	Subject.	
632809	7/22	To Mine Squad 1	Test of 500 Watt A C Tube Transmitter- W Atl. Mine Sqd. 1- Test outlined satisf. 7/27 W To Comdt Rockport T Your letter 27 July test radio transmitter SHAWMUT. When desire conduct tests. W	
TO CARD	69		Mine Sqd. 1- (T) Recommends test be conducted 9/-1 and 2. W. 8/30 CO SHAWMUT (T) WILL conduct test 9/6-7. 9/1 W To Atl Flt-T-Insufficient time 9/1 W	
637237	8/7	PCCS	Copy of letter to Communication's rel to test on Cavite receiving Pearl Harbor direct. W.	
637618	8/14	PCCS Copy	Will discontinue testing 10,500 and use 7900 until new arc is installed. W.	
638332	8/18	PCCS Copy	Report on comparative test between Guam and Pearl Harbor. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
614005	3/16	3d Dist. Copy	Report on test for first 5 minutes.	W.
604054	3/16	5th Dist. (T)	Radio phone test with Arlington heard. 8th Dist- (T) Telephone test not heard.	W. 3/17 W
586084	4/1	To MI	Tests between Pearl Harbor and Eureka using tube transmitter.	600-3
618803	4/13	Bar Harbor	Report on reception of radio signals from Cairo Egypt. W.	
617464	4/17	N. J. Rosenwald	Ask if any inform published regarding Navy esperiments of 1915 on radio test betweeb Hawaii and Paris and Arlington. W	64-X-6

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TESTS RADIO

Number.	Date.	From or To—	Subject.
601552	FROM CARD 65		MI- Request telegraphone equipt be fwded. 5/12 W. To MI- Fwds cc report cc Washn 7/8
624149	5/16	J. H. Hammond (T)	Will send Chaffee as soon as inspection of DELAWARE is made. W. To Hammond Research Lab (T), Gives inform W 5/18
624482	5/20	To Sayville (T)	Directs observe test with Bur Stands 5/22 to determine difference in strength recd signal filter connected and disconnected W Sayville- (T)- Ask on what wave test is to be made. 5/20 W. To Sayville (T) W. rel test cc Bu of Standards W 5/20
624483	5/20	To District Comm NY (T)	Inform Lab of Dr Goldsmith City College NY Navy will not broadcast three PM Sunday W

[OVER.]

1921

Number.	Date.	From or To—	Subject.	
601959	12/30	To Director of Bureau of Standards	If Director is in favor of proposed plan It is requested that instead of detailing an arc transmitter to Bu that Mr - Willoughby be permitted to continue his investigation at the Navy W. Bur Stand- Mr. Willoughby will report at Nvy Yard. 1/6 W	
		1922		
604979	1/16	Atl. Destry (T)	Request Bar Harbor test ROCHESTER'S continuous wave transmitter. W. Bar Harbor- (T) Rqst ROCHESTER listen in. 1/19 W. To Comdr Des Squads Atl Fleet (T) Gives Action 1/18 cc Bar Harbor- Dir of Communications 1/18 To Bar Harbor (T) Gives instrns 1/18 cc CC- Dir comms 1/18 To Atl Fleet (T) listen on 24 hundred meters after schedule for bar harbor report 1/19/22	
606509	1/26	New Lond Sub Base	Copy Radio test tube set on R-22- request assignment of call letters. W.	

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TESTS 1922

Number.	Date.	From or To—	Subject.	
608968	2/9	CO GEORGE WASHINGTON	Copy Request arrangements be made for a schedule with Washington to accept Govt traffice on vessels cruise to the Mediterranean D.	
612007	2/27 3/2	Subm Div. Zero. Communications	Radio test requiring temporary use at Fort Trumbull set completed. W.	
611743	3/4	To WM M Bruce	Request loan to Aircraft lab two of mountings also extra movable coil W W. W. Bruce- fwds contracts as requested. 3/9 W To-- it is hoped, that in the next week, relays will be inspected and their Operation observed 3/16	
612697	3/6	Anacostia	Report on long distance freak transmission from Anacostia received in Hawaii. W.	

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[OVER.]

1921

Number.	Date.	From or To—	Subject.
592674	10/26	San Juan (T)	In conn with high speed key test with various stations. W. To Juan (T) Gives inform rel test 10/27 To Bar Harbor (T) will transmit high speed- 10/27
592682	10/22	Bar Harbor	Fwds sample of tape taken with San diego High speed test. W.
595033	11/12	To Radio Research Lab Bu Standards	Investigation of Scott Clarophone for use in connection with Static Reduction W
595287	11/10	To Radio Lafayette (T)	Shld prefer fiften minutes periods daily for six days- between nine and twelve AM and three and five PM Washington time either special signals or traffic reporting antenna current austin W
597630	11/26	Bar Harbor	Copy of letter to Communications submitting report on receiving test with Leafields. W.
597405	12/8	To William M Bruce	Reqst loan two Bruce relays for service test cc CO Anacostia- Bu Standards W To Bu Standard -Gives Action 12/8 To Anacostia Gives Action 12/8 W/M. Bruce- 12/9 W To-- Gives instrns rel fwding of correspondence 12/15 W. M. Bruce- 12/17 W To-- Three week delivery Satisfy 12/21 To-- Reqst inform rel date transformers left laboratory 2/4

Number.	Date.	From or To—	Subject.	
599687	12/16	To Washn	Tube set to withstand induction cc Dir Communications- CO Anacostia W	
600871	12/17	Bar Harbor (T)	Report on high speed test . W.	
601517	12/19	Bar Harbor	Fwds samples of tape taken on San Diego high speed test. Fwd NY 12/28 W RB 1/25 W	
601552	12/23	To MI	Results obtained to date in the reception of high speed traffic utilizing telegraphone cc PacificCoast Comm Supt W MI- Copy action to Pearl Harbor 1/5 W MI- Preliminary report on telegraphone reception of high speed transmission. 3/31 W To MI- modification authd cc Washn 4/21 To MI- Gives Action taken cc Dir Commns- Pacific Coast Comm Supt. P H Guam Cavite Philippino service - rqst expedite acknowledgements. W.	
TOCARD 67				
601870	12/23	Nav.Attache Rome- Copy	Rome Radio will hold test to improve 4/27	

TESTS: 1921

Number.	Date.	From or To—	Subject.	
574699	7;12	11th Dis copy	Report on test with Annapolis.W PCCS-copy-report on test-7;12-W 11th Dis-copy-7;12-W	
574752	7-15	To Paris (T)	In comm with tests. copy Bureau of Stds.	W
576377	7;14	11th Dis	PCCS submits report on telagraphone reception SanDiego Annapolis circuit.W	
578848	8/2	Bar Harbor	Subm report on high speed test with Annapolis 8/1 W.	
581735	8/20	Bar Harbor Copy	Report on test of Laf.Sta. W.	
581931	8/(22 24)	Bar Harbor Copy	Reports on test. W.	
581973	8/23	Bar Harbor (T)	Laf and Muckerton test reports. W.	
582292	8/23	Bar Harbor Copy	Reports on test watch, at Laf.Sta. W.	

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TESTS

Number.	Date.	From or To—	Subject.
582398	8/25	Bar Harbor Copy	Report on test watch Laf. Sta. W.
582648	8/26	Bar Harbor (T)	Results of test. W.
582759	8/27c	Bar Harbor Copy	Test report. W.
582957	8/28	Bar Harbor Copy	Test report. W.
583025	8/29	Bar Harbor- Copy	Ask if test with Laf. to continue. W.
		To O-I-C Bar Harbor via Boston	To Bar Harbor (T) Gives instrns. 8/30 Reqst report 10/6 1st Dist. 11/16 W
583021	8/29	Bar Harbor Copy	Reports on Laft. Test. W.
583347	8/30	15th Dist. Copy	Darien failed to observe test schedules, Bureau Standards, 8/29. W
584805	9/10	Bar Harbor (T)	Reports on Balboa and El Cayey traffic. W.
586496	9/20	Guantanamo T	Request test at Arlington commencing Thursday W
586944	9/23	6th Dist. Copy	Request another test be made W.

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Number.	Date.	From or To—	Subject.	
546969	2/16	PCCS Copy	Will use packing relay for test at San Diego when again installed. W.	
548183	2/23	Communications	Fwds report of PCCS cov reception of high power stations. W.	
561694	4 25 ? ?	MI Communications	Report on test of Malabar radio. W.	
565614	5/23	Boston	Subm report on special high speed test, San Diego and Bar Harbor. W fwd Commun 5-31 RB 6/7 W	
566120	5/24	N.Y.	Have been receiving excellent signals., W	
567808	5/31	MI	Fwds report of high speed test San Diego and Bar Harbor Stations. W. To M.I. 6/21 To Communications 6-24	
568624	6/9	To Wireless Impv Co	Reqst data in re tests Annapolis W Wireless Improvt Co. 6/16 W Wireless Co 6/29	
568631	6-15	To Atlantic Flt Tel	Reqst report covering tests of transmitter tests not to interfere with fleet routine W	

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TESTS 1921

Number.	Date.	From or To—	Subject.	
569594	6-17	To Hammond Rech Lab.	In conn conference held between reps of company and Bur Ordn and Engr- appvl of experiments to be conducted at Melville W copy Ordn Boston Newport To-- Reqst reports be fwded first day of each month rel appvd 1st of experiments cc Ordn-Inspr ~~Chesn~~ MNs 12/10 Ordn- Supplemental agreement will be provided at once. 1/11 W To Ordn- Gives inform 1/16/22	
461063	FROM CARD 50		Phila. 6/18 W	
571540	6/23	Bur Standards	Subm report on test of signals transmitted from a large double coil transmitting set. W. To Dir Bu Standards 7/6	
573866	7;7	11th Dis copy	Report on ~~rexxxt~~ reception of daily schedule from Annapolis.W	
573873	7;8	11th Dis copy	Report on test.W	
574548	7;11	11th Dis copy	Report on telephone tests with Annapolis.W	

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TESTS 1920

Number.	Date.	From or To—	Subject.
511511	8/14	First Dist. Copy	Adviseable to postpone dip test, so advises CO SAN FRANCISCO. W.
512895	8/21	Nav. Attache, Rome	Copy. SAN PAULO antenna will be lowered 9/12 for ten days repair. W.
519341	9/17	Mare Island	Fwds copy of instrns for use in station personell for taking static observation. W.
519545	9/27	Communications	Report on test conducted by Radio Corpn of America at Bar Harbor. W.
527913	11/5	Atlantic Fleet	Report on performance of radiators in practical use. W.
~~508295~~		FROM CARD 61	Phila- Fwds drawings. 11/15 W

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N.S.E. Form 134.

TESTS 1920

Number.	Date.	From or To—	Subject.	
532350	12-3	To Comdt Mare Island	Investigation of scurve of static intf at Cavite and Los Banos. Problem 4- W Mare sland - Copy of action to Cavite.	12/11 W
537142	1-3	To Comdt Washn	Recs in re multiplex radio trans with single antenna. problem 100-B assigned covering W To Washn 1/6/21	
538770	1-8	To Western Elec Co.	Reqst copy of report of test made in the Atlantic Fleet with secret type trans designed by Mr. Heising of Co during 1917- W Western Elec. Co 4/16 W.	
C13627-192	1/7/21		Radio Telegraph -Radio Research Comdt. Eng. Problem #19	
542575	1/24	Batl ship Div. Copy	NEW HAMPSHIRE directed to observe range and audibility of US. radio stations. W.	
542841	1/25th	15th Dist. Copy	Communications with battlefleet fully unsatisf. arc on board UTAH continually broke down. W. To Boston- reqst report 1-28-21 Boston- Gives probable cause of bubbling arc.	2/1 W
543474	1;28	CO OHIO Copy	Request Norf. transmit on arc about 4,000 meters. W.	
544516	2/3	Bar Harbor Copy	Ask if long wave test will be conducted day or night. W. To Otter Cliffs Bar Harbor Tel 2-4-21	

TESTS 1920

Number.	Date.	From or To—	Subject.	
506958	7-23	To Boston	Considers problem 1-A radio compass comparison of Bellini Tosi and navy standard compass as completed	W
506957	7-23	To Phila	Considers problem 26-A and 54-A completed	W
507262	7/22	Atlantic Fleet Copy	Report on test. W.	
506961	7-23	To Cayey (T) Cayey- Copy - no results obtained last readings. 8/18 W San Juan-Copy-Gives readings.8/22W Cayey- 9/6 Copy W Cayey- Copy-Reports on audibility of. 9/19 W	Reqst observations on static direction be made three afternoons per week on 17,000 meters using revolving loop and antenna system constructed for Dr Austin audibilites on Annp signals should be also taken on loop antenna sys at same periods report result weekly by radio W To Cayey(T) 8/17	
506886	7-24	To M.I.(T)	7324 For DRMO PCCS 2020 1102 to Navcom test schedule appvd by DNC period reqst every effort be made to minimize interference w regular traffic period suggest that handling of traffic constitute best test period arrangements should be made so far as practicable. W cop Com by mail	
507527	7/24	Communications	Fwds correspondence with Tropical Radio Co in conn with interference by SICARD. W. Fwd Boston 7/27 RB 8/5 W. fwd Com 8/10	
507667	7:23	Dept Commerce	Fwds copy of report from Navcn Service concerning interference caused by tests conducted by Cicle ship in vicinity of Boston.W To Boston. 7/29 To Dept Comm. 7-29	

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TESTS

Number.	Date.	From or To—	Subject.	
507399	7-27	To Bur Standards	Reqst subm estimates on cost of equipment to be used with std vacuum tube rec and trans appr, for conversion into duplex radio telephone as at present developed by Radio research laboratory. 9th Dist. 8/9 Y To Washn. reqst action 8/30 To Bur Standards- rel proble 110 8/31	W
507749	7-22	Bu Standards Lab	Report on results of reception from Wash yd in comparison tests of chopper circuits; W	
507922	7-28	To Chasn. 635-4	Improvement of long wave receiving apparatus at stations Charleston. Detailing radio aid L.M.Clausing to assist in same.	W
508383	7/22	Atlantic Fleet Copy	Report on test, using same receiver and amplifier. W	
508284	7-31	To NY	Reqst for test, problem 41-B wave front variations. assignment to radio compass stations Fire Is Mantoloking take bearings on Phila Cape May Newport and Fire Is.	W
508285	7-31	To Comdt Phila	Reqst stations as listed take bearings, problem 41-B Phila Subm reports. 8/11 W.	W
508765	7/30	Rome Copy	Report on test of San Paolo. W.	

TO CARD 62

Phila: 9-16. W. 2 letters; Fwd Com 9/21

Phila- Fwds special report on wave front variations. 11/5 W.

Phila 8/13 Request various stations transmit. W Fwd Comm 8/21 RB 8/26 W

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TESTS RADIO 1920

Number.	Date.	From or To—	Subject.
501237	6/23	Phila. Copy	Subm report on test of design problem 93. W.
501444	6/24	Laf.Sta. Copy	Report on operation of arc. W.
501500	6/24	Bur Standards Rech labr. 898	Results of reception from Washington Yard in comparison test of 8 chopper circuits. W
501890	6/26	Cape May Copy	Cape May did not hear test, due to heavy interference. W.
502013	6/28	Bar Harbor Copy	Subm report on test of Wireless Tele.Signal 450 meters. W.
501973	6-29	To Bur Standards	Investigation of radio problem 43 universal amplifier W To Bur Standards, superseding instructions previously given 9/15/20
501983	6-30	To Bur Standards	Relative merits of method of reception, antenna loop barrage antenna ground wire barrage and interWound loop circuit. Wssigns problem 74 covering work on. W **To Anacostia- comparative reading tests on various types of static reducting circuits 7/2**

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
506331	7/2	Pensacola	Communication reports. W.	
506358	7-21	To N.Y.Ph Norf Bar Harbor Annapolis OHIO N.Y.- (T) Report on test. 7/24 W	(T) Rel test 7/22 on 30 kw arc with special uniwave key. 848 Bar Harbor- Copy- report on test. 7/22 W. 4th Dist- Copy- report on test. 7/20 W. CO OHIO -Copy- report on test. 7/23 W. Bar Harbor- Copy- report on test. W. 7/22	W
506361	7-21	To Anacostia	Assignment of problem 76-B airc radio compss for metal seaplanes. W 918 To Co Anacostia 6-17	
506886	7/20	P.C.C.S. Copy	Federal Telegraph Co. desire test 30 days San Diego single wave system. W.	
506924	7/22	Atlantic Fleet Copy	Report on test. W.	
507114	7/22	Atlantic Fleet Copy	Report on test. W.	
506372	7-23	To Bur Standards	Completion of problems listed.	W
506376	7-23	To Anacostia	Completion of problems W	

TESTS RADIO

Number.	Date.	From or To—	Subject.	
495371	5/23	Adriatic Forces Copy	Report on test, Laf. Sta.	W.
488993	FROM CARD 56		To M.I.(T)- Results of tests 5/26 Bar Harbor- (T)- So. Frisco not heard.5/26 W To M.I.(T) results test Annapolis 5-27 Bar Harbor- Fwds samples of tape made on test. 6/2 W To Com. subm statement 6-8 copy Annapolis Wash M.I. Bar Harbor Mare Island- Copy- Request arrange for Ottercliffs and Bureau Standards to receive South Frisco 6/9 W. To M.Is (T)- in re tests- 6-10 To Bar Harbor (T) 6-10 To Bar Harbor (T) 6-10 Mare Island -Test arranged. 6/11 W. Ottercliffs,- Copy- report on test 6/12 W To M.I.(T) 6-14 Ottercliffs- Copy- report on test. 6/14 W. Mare Island- (T)- Report on test. 6/15 W. Bar Harbor- Report on test. 6/15 W Bar Harbor -Report on test. 6/15 W To DNC- subm statement 6/23 copy MI Wash and Annapolis To M.I. Fwds copy of Bar Harbor letter rel tests 6-24	
497277	5/21	Mare Island	Test of single wave system, So. Frisco station- report covering.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
497680	6/3 P	C.C.S. Copy	Pearl Harbor test unsatisf on account of difficulties with malabar.	W.
497717	6/4	P.C.C.S. Copy	Request Dist. Stations get togather in conn with malabar resuming test	W
498128	6/7	E. J/ Nally Copy	German Govt ready to handle traffic; ask when will be ready to start test.	W W
498441	6/8	Laf.Sta. Copy	Subm report on addtl test.	W.
498969	6/11	Annapolis Copy	Patching arc chambers complete; have orders to hold test 6/13	W.
499427	6/14	P C.C.S. Copy	Report on test with malabar.	W.
499648	6/15	Bur Stand. Labr	Fwds report on radio reception in Porto Rico by Drr L. W. Austin. W	
500855	6-22	To Phila- Norf Annapolis OHIO Bar Harbor (T) Phila- Fwds reports. 6/23 W Bar Harbor-Report on test.6/24 W To Wash fwds corrpesondence 7/1	Reqst report on test, design problem 93- test June 23rd- W Bar Harbor- Copy W. Norf (T) Report on test W. Bar Harbor 6/23 Copy. Test not heard. W	

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TESTS RADIO

Number.	Date.	From or To—	Subject.	
493506	5/12	Bur.Stand.Labr.	Report on determination of relative merits of damp and undampt wave signals, using oscillating and non-oscillating vacuum tube detectors.	W.
493813	5/3	Pearl Harbor	Elimination of arc mush- report with print, covering	W.
492908	5-17	To Expr Sta.,	Reqst monthly reports be subm covering scund research activities at station. To Annapolis- Gives Ins trns 3/29	W
494115	5/6	Mare Island	Test of single wave system at So.Frisco Sta.- report covering.	W
494697	5/15	Bur Stand Rsch.Labr.	Report on transmitter test of wave key at South Frisco Sta. To Comdt M.I. quotes from Bur Std letter 5/21	W.
494845	5/20	P C.C.S. (T)	Report on test with Laf.Sta.	W.
494843	5/20	PC.C.S. Copy	Report on tests, South Frisco Sta by Fed. Co. on single wave.	W.
494838	5/20	Pearl Harbor Copy	Laf.Sta. not heard.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
494889	5/20	Wash.	Status of investigation of Lowenstein rings on 2 KW arc, also perliminary investigation on circuit	W.
494914	5-21	To CO Anacostia 918	Assignment of Scott Clarophone problem 73 class B. W To CO Anacostia, rel Scott Clarophone prelim report on. Reqst IWd 5/21	
495136	5/21	Laf.Sta. Copy	Report of station test	W
495137	5/21	Laf.Sta. Copy	Report on test; test will be discontinued until 5/27 To M.Island- (T) Quotes on test 5/22 Laf. Sta.- Copy- Will again test first section of antenna. 5/25 W. To Laf (T) recd too late 5-27	W
495263	5/22	P. C. C. S. Copy	Report on Test with Laf. Sta. PCCS-Copy- Signals not heard. 5/24 W.	W.
495237	5/20	Bar Harbor (T)	Report on test	W

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TESTS: RADIO 1920

Number.	Date.	From or To--	Subject.	
491422	5-4	To Comdt Washington 635-4	Reqst B/R. Cummings, and G.W. Carpenter be present at Submarine Base N.London on May 17th, for 10 days to assist in expr test of radio equipment on BUSHNELL S-4 and S-5. Have reqstd Operations to grant authority for passage of these civilians on board. Mr. T. Johnson Jr. will represent Bureau at these tests. To Comdt Washn- material required for installation 5/4 To N.London- authorizes installn 5/4 To Operations- rel tests- 5/4 Dept- Copy of letter to Atlantic Fleet approving tests, 5/11 W.	W
492890	5-12	To Anacostia	Assignment of radio problem 65 covering high speed telegraphy with vacuum tube transmitters or high frequency alternators. W	
492889	5-12 Anacostia 5/22 W Exp.Sta. 2/21 W. Exp.Sta.-Fwds report of Dr.Hayes cov hydrophones instln on board CAMDEN. 2/25 W	To ANACOSTIA	Reqst expedite information rel problem 37-A constants of circuits used in the Taylor system for reception of continuous waves without heterodyne. for use instaln Bar Harbor radio station. W Anacostia- inform rel to constrn of receiving system using Taylor syste m for reception. 5/22 W	
492900	5-12	To Expr Station	Assignment of problem 68- in re to development of new type of range finder. Reqst fwd info covering. W To Expr Sta 2-17-21	
492901	5-12	To Expr Station	Assignment of problem 69- sound apparatus for heavier than air and lighter than air craft. Reqst info covering.	W

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N.S.E. Form 134.

TESTS: RADIO

Number.	Date.	From or To—	Subject.	
492906	5-13	To Expr Station	Assignment of problem. 71- covering determination of best location on board vessels for instaln of oscillators. Fwds memo for Mr. Wood. W To Expr Sta 2-17-21	
492905	5-13	To Expr Sta.	Problem 70- work of Prof Pupin of Columbia University investigation of Asdic appr. W	
492899	5-13	To Expr Station	Problem 67- investigation of sound appr on board battleships. expr instaln on CAMDEN To Expr Sta 2-17-21	
492898	5-13	To Expr Sta	Problem 66- skin instaln of MV microphone rec lines. W	
469997	FROM CARD 52		Boston- Progress report- 5/12 W.	

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Number.	Date.	From or To—	Subject.	
486387	4/8	Nav Intelligence	Fwds article in French covering measurement of radiation of an antenna. W	875
487078	4/12	Wash	Design problem under No. 73 submits prelim report and recommendations for use of ballast lamps. W	907
487542	4/14	Balboa Copy	Subm report on disposition of personnel for test purpose; also report on test.	W.
487606	4-19	To Bureau Standards	Investigation of Fanning circuit- radio research problem 45- W Reqst no further work be done	
487607	4-19	To Anacostia	Radio research problem 33- loop transmitting antenna. Reqst measurements be taken of capacity and inductance of this type. W To Anacostia- reqst experiments be conducted with this type using two metallic masts 4-19 Anacostia- Subm report on loop transmitting antenna. 4/20 W Anacostia- Multiple tuned antenna -detailed comments 4/23 W X 875	
488569	4/6 4/13	CO BLAKELY Atlantic Fleet	Reports on radio telegraph ~~test to determine~~ communications distance of radio transmitter sets on Destroyers from different type of main masts.	W.

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
476411	FROM CARD 54		N.Y. 4/17 W.	
488993	4/21	Mare Island Copy	Request Bureau arrange with Ottercliffs	
	Mare Island/ Copy-Rqst arrange for Bur. of Stand. and Bar Harbor to receive So. Frisco. 5/13 W.		and Bur Standards, to receive test, South City, single wave on 6 thousand meters; rqst report upon completion. W.	
59	Mare Island- Rqst arrange for Ottercliffs and Bur Stand. to receive So. Frisco. tests. 5/17 W.		To M.I. (T) tests arranged 4-22	
	Mare Island- (T)- Rqst arrange with Ottercliffs and Bur Stand. to receiv So Frisco test. 5/12 W/		Mare Island- (T)- Request arrange for Bar Harbor and Bur of Standards to receive South Frisco test 4/28 W.	
490	To M.I. (T) records of test 5/18		BarHarbor - (T) South Frisco not heard - 4/30-W	
	To Bar Harbor (T) 5/19		Bar Harbor- Copy- South Frisco Station not heard. 5/1 W	
	To M.I. (T) 5/19		To Bar Harbor (T) 4/29	
	To 9th Dist (T) 5/19		To M.I. (T) tests arranged 4-29	
	9th Dist- (T)- Report on So.Frisco test. 5/24 W		To M.I. (T) rel B.Harbor reports 5-1	
	To Bar Harbor (T) asks report 5-25		To Mare Island- (T) Bar Harbor reports So Frisco station not heard. 5/4	
			To M.I? (T) 5/13	
			To Bar Harbor (T) 5/13	
490754	5-1	To Bureau Standards	Assignment of radio problem 63 W	
			To Bur Stds 7/11/21	
			To Wash- assignment of radio problem 7/12/21	
490755	5-1	To Condt Washn	Assignment of probkem 64	

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Number.	Date.	From or To—	Subject.	
481973	3-16	P.C.C.S. (copy)	Report of test Cavite transmitting to San Francisco using Cordova relay; W	
483053	3/20	Anacostia	Continuous wave reception without heterodyne- fwds sketch of Taylor system with comments on. W	898
483111	3-24	To Bureau Standards	Rel completion of work on radio research problem 37- class A- continuous wave reception without heterodyne W	
483188	3-24	To Bureau Standards	Reqst investigation of problem 30 be tied with problem 2. W	
484249	3-29	To Bur Standards	Concurs in recx on radio research problem 38-B investigation of two plate antenna system, and considers same completed W	
484250	3-29	To Bur Standards	Considers work on problem 46-B completed W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
484251	3-29	To Bur Stds	Radio problem 37-A- continuous wave recept without heterodyne- No further wor k should be attempted other than application of systems invented to date for use as stray and static limiting devies in conn with problem 4-B- W	
484257	3-30	To Bureau Standards	Radio research problem 21-A rejector circuit for use in conn with interference in static reduction on long wave lengths. W	
484259	3-30	To Bureau Standards	Fwds info rel results obtained at Norf yard on the "Investigation of static and induction interference with audio frequency amplifier directly connected in the antenna. W	
484765	4-3	To Bur Standards	Rel development of heterdyne wherein use of battery is eliminated. Assignment of problem 59 class B. W	
485360	4/27	P.C.C.S. Copy	Malabar Java will test with Pearl Harbor using 10,000 meter wave.	W.
485448	4/4	SAN Juan Copy	Dr. Austin confined to bed; recommends leave be extended if experiments not completed; work also delayed by illness of Lt. McWhorter. W	
		To San Juan (T) HENDERSON will not stop San Juan on return trip 4-17	To San Juan (T) orders extended- gives date of sailing 4-9	
		To Nav- reqst trans for Dr. Austin and wife 4-20	fwd Secty 4-10	
		To Cayey (T) rel transportation 4-22	San Juan- Copy- Rqst arrangements be made for Dr. Austin and wife to take passage to U.S. on board HENDERSON. 4/13 W.	
		Cayey-Copy-Dr. Austin sails for NY on BRAZOS 4/23 W	Dept- Authorizes extension of 10 days for Dr. Austin. 4/17 W.	
		Cayey- Cayey (T) 4/23 W		
		Cayey-(T)- 4/20-Rqst transportation be arranged for Dr and Mrs Austin W		

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Number.	Date.	From or To—	Subject.	
475160	2/14	To Anacostia	Assignment of radio research problem # 46. W To Bureau Standards. rel above 2/14	
475708	2/16	To Cdts IM's Res Lab Bu Stds	Fwds list of radio research problems now being undertaken by Bur. W	
475710	2/16	To Anacostia	Assignment of problem 41. W To Anacostia 5/20 To Bur Stds 6/9	
476541	2/16	CO OHIO Copy	Vessel arrived at Outer Roadstead, Md. for trials to be conducted by Bureau. W.	
476411 TO CARD 56	2/17 N.Y. Subm recommendations as to allotment. 3/31 W. To IM N.Y. - asks rel using cable from Ft Laf to Ambrose Channel L.ve ssel rel exprs 4-13	To IM Ny	Reqst advise needs by which work on radio piloting cable may be continued and recs be be made to Bur on allotment required. W NY - fwds plan of cable installation NY Harbor, with comments on - 3/16 To IM NY 3/20	
477440	2/5	Bur. Stand. Research Labr.	Fwds preliminary report on "Angle of Wave front in radio telegraphy." W.	
477077	2/20	To Cdt P.Harbor	Reqst fwd complete report on all research problems be fwded Bureau. W Mare Island- Fwds report on Research work. 4/1 W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
477524	2/20	Western Elec. Co.	Request report on test of Grid leaks by G.E.Co. and Western Elec. Co. To Western Elec Co 3/6	W.
478597	2/28	Fed.Tele Co. (T) Mare Island- Copy of action to Pearl Harbor. 1/8 W. Mare Island- fwds correspondence 11/30 W	Request communication tests between Naval Stations and Co's stations in Philippines. fwd C.m. 7/2 R.B 3/4 To Chf Tel Service Weltevreden (T) 3/6 fwd P.H. via PCCS 3/8 copy Com and M.I P CC S - copy gives action - 3/15 To PCCS Frisco (T) rel tests 6-5	W.
479565	2/16	Lt. W. H. Fanning	Fwds copy of report of Sitka Station in connection with communications with Magnon. To Shipping Bd. rel commun with MAQUAN, 3/8	
480047	3/9	To Com Off Anacostia	Assignment of radio reseach problem 57 class B investigation of Armstrong short wave receiving equipment. Anacostia-Test of Armstrong short wave receiving equipt - report cov., with photos.5/26 W	W
480051	3/9	To Bur Standards	Investigation of stray and static reducting device developec by Dr McCaa , representing Joh Firth Co. Reqst assistance be given in this work.	
480052	3/11	To Bur Standards	Assignment of problem 58 class C investgn of thermophone. W Bur Stand Rech Labr- Fwds report on investigation of thermo-phone. 4/14 W.	

N.S.E. Form 134.

TESTS: RADIO

1920

Number.	Date.	From or To—	Subject.	
472223	1/28	To Cdts and IM NY Co Ohio. Air Station Anacostia	Fwds Status of Radio Research Problems issued Jan 15-20 W	
472224 OHIO: submits comments on outline of Work: 10-23; W	1/29	To CO OHIO	Assignment of problems for investigation. W CO OHIO Lists addtl apparatus needed. 2/7 , CO OHIO 2/7 To CO OHIO- returns copies of report- reqst renumber and return 5-22 To OHIO- fwds copy of plates 6-24 To OHIO fwds photostats 6-24	
471880	1/30	To Bur Standards	Assignment of number to problem as 43-A W. To Washn- reqst work be given priority 2/14/21 Washington 3/23/21 W.	
472773	1/30	To Comdt Washington	Appropriation of 2000.00 made covering problem 36-A. copy to Anacostia Annapolis Washington 12/15 . W	
473022	1/31	To Bureau Standards	Fwds two copies of "Status of Radio Research Problems issued 1/15 /20. W	
470318	1/14 1/19	Great Lakes Communications	Subm report on radio audibility test from Bellfonte.	W.
473047	2/7	Fwd Cdt Wash	Print showing proposed change in cord support Western Elec Co telephone set. W	

TESTS RADIO

Number.	Date.	From or To—	Subject.	
474566	2/5	CO	In conn with radio experimental work to be performed by ship's force and individuals and firms.	W.
474014	2/6	To Anacosta	Assignment of radio problem- 53-B. W Anacostia- Variation in direction of signals recd from aircrft - fwds photos of apparatus with report covering. 3/27 W.	
474024	2/6	To Bur Standards	Assignment of radio problem. 54 W	
474698	2/7	Dept. 323-6	Copy of telegram to CO OHIO directing proceed to Annapolis for duty in conn with carrying out radio test.	W.
474783	2/9	To Nav	Reqst info rel navigation of Potomac River. W Hydrographic Office- 3/2 To OHIO 3/6 R B 3/16 Memo for Admiral Smith rel navigation 3/24	
474989	2/7 2/9	Bar Harbor Communications	Fwds sample of tape made on Stavanger sending high speed for test to Washington Yard. fwd Cdt Wash 2/12 RB 2/19	W
474988	2/4 2/9	Bar Harbor Communications	Fwds sample of tape made on stavanger sending high speed for test to Washington. fwd Cdt Wash 2/12 RB 2/19	W

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TESTS RADIO 1920

Number.	Date.	From or To—		Subject.	
468857	1/12	Cordova	Copy	Report on test with Nauen.	W.
469060	1/13	Cordova	Copy	Report on results with Nauen.	W
469113	1/13	Washington		Subm request for assignment of design problem numbers.	W.
469423	1/14	Bar Harbor	T	Report on completion of 4th test.	W.
469494	1/15	Bar Harbor	Copy	Request Annapolis not send high speed again until Bar Harbor advises.	W.
469936	1/17	Cordova	(T)	Nauen unsuccessful; best result of test obtained on first date of test; device capable of improvement.	W.
470318	see card 53				

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Number.	Date.	From or To—	Subject.	
469983	1/17	Otter Cliffs (T)	High speed tests excellent.	W
468775	1-15	To Bu Standards	Radio Research problem Nos. 2 and 15. Audio Telephone, limited range, spotting plane Non-Interference radio equipment. Fwds report of Ensign E.P. Broe. W Bur. of Stand. Resch. Labr. Fwds report of test on limited range audio telephone. 2/2	
469997 TO CARD 57	1-19 Boston - Subm progress report 3/9 Boston 4/13. W. To Cmdt Boston 5-1 Bost - regst report on results obtained with amplifier at other yards - 5/6 - W	To Phila	Radio Research Work. Reqts submit monthly reports. W To Boston. 1-21 Boston - Subm report. 2/11 To Cdt Phila 2/20 Phila. 3/1	
470835	1-22 Anacostia - 3/1 To Anacostia 3/9	To Anacostia Air Station	Radio Research Work. Reqts recommendation re insertion of a series of inductances in the loop or antenna circuit for use in connection with static and stray reduction. W To Bu Standard. ditto. 1-22 Bu Standards-1;28 To Bur Stds 2/3 Anacostia 2/17 To Anacostia 2/27	
471270	1-24	To Anacostia.	Radio Research problem #33. W	
471878	1/27	To Bureau Standards	Radio research work- assignment of problem 42-B W	

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[OVER.]

TESTS: RADIO.

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Number.	Date.	From or To—	Subject.	
463080	12/12	Cleveland Sta. Copy	No signals 12/12 - W 4th Dist - copy - 12/12	
462814	12/13	9th Dist T	No. brief. To(T)-Were post office tests conducted using audions and amplifiers at Chicago Cleveland and Buffalo? 12-12	
463316	12/14	Cordova Copy	Subm report on receipt of signals from various stations.	W
464159	12/15	Radio Test Shop, Wash.	Subm status of radio instln on S-3.	W.
464141	?	Dept.	Copy of letter to Atlantic Fleet listing civilian representatives of Bur who are authorized to take passage on S-3 to conduct experimental radio test.	W.
462743	12/13	To Operations	Radio test work to be conducted onthe S-3 now at Navy Yard Wash. Reqts permission for civilians listed to take passage to participate in conducting tests. 12/13 W	907
465314	12-27	To Yards.	Radio Research Work; directs authority of Bureau be obtained before undertaking any work to avoid duplication. W	876

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N.S.E. Form 134.

TESTS RADIO

Number.	Date.	From or To—	Subject.	
464808	12/22	Phila. (T)	Report of test.	W.
464873	12/22	Norf. Copy	Subm report on audibilities.	W.
465008	12/19	Cavite	Subm report of distant control experiments at Los Banos Cavite 11/12	W.
5045	12/23	Atlantic Fleet	Fwds copy of action in conn with test on FLORIDA & UTAH of Hammond inter fleet sets; SW	629
466160	12/9	Anacostia	Comparison of compound Heterodyne and acceptor rejector circuits- report cov. W	890
467599	1/7	Cordova Copy	Request Nauen transmit at certain speeds, listed.	as A.
467304	1-9	To Boston	Advise result of progress on Radio Research Problem No.1. W Boston 1/14	

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
459682	11/25	To Bureau Standards	Assignment of problem 38, class "C" two plate antenna system for transmission and reception of signals. W	
459684	11/25	To Bu Stds	Assignment of problem 39 class "A", Speaker system using three-phase aternating current supply if can be applied to radio telephony. W To Bur Stds 7/11/21 To Comdt Wash 7/12	
460182	11-26	Cordova (copy)	Report of audibility readings with various stations.	W
460263	11-25	Tuckerton	Submits report of test with telegraphone automatic receiving equipment.	W
460631	11/29	New York copy	Audibility report.	W.
462906	12/12	Cardova Copy	Test reports - W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
460099	11/29	To Norfolk	Desires test be made -radio telegraph- static and induction interference with an audio frequency amplifier directly connected with antenna. W To I.M. Norf- Advise action taken. 12-23 Norf. 1/13 To IM Norf 2/13	
461256	12/3	Bar Harbor (T)	Report of high speed test at Annapolis.	W.
63 461036	12/3	To Phila	Radio compass for battleships, development of assigned to Ph Yd to be referred to as 40-A. W To Phila 6-11-21 To Phila- plan of procedure 6-29 Phila- Fwds prints and description of radio compass for battleship service. 10/11 To Phila- reqst be given priority 2/14/21 Phila. 6/2/21. W	W.
To Phila Gives inform 3/17 TO CARD To Phila Reqst arrangements be made 63 to include compensating loop as part of equipment W 3/26 To Anacostia 5-20				
461472	12/4	European Forces copy 7047	Report of test with Annapolis.	W.
460114	12/5	To N.Y.	Radio telegraph radio research problem 16 radio piloting cable. W Reqst fwd info re changes if nay in specfns. W	
462032	12/7	Cordova copy	Report of receipt of signals from Nauen, Germany. W. To Puget Sound (T) 12/8 To (T)-Make complete report of system referred to by mail. 12-22 Cordova- T - Report on signals. 12/23	

4918

Number.	Date.	From or To—	Subject.
457462	11/13	To Phila	Radio problem 24 placed in class "A" and should problems be assigned to Yd, reqst priority of same be noted. W
457191	11/14	To OHIO 323-6	Radio telegraph. Investgn of static and induction interference with an audio frequency amplifier directly connected in the antenna. Reqst report of test be fwded. W Co OHIO 11/18
457522	11/15	To Bureau Standards	Considers problem 6, radio compass galvanometer method completed. W
457561	11/17	To Anacostia	Lists problems according to priority list. W
457513	11/17	To Cdt Phila Phila.-Will submit estimate as soon as possible. 12/9 Phila- Subm estimate cov cost of remodeling. 1/5 To Phila- Sum of expenditure considered excessive. 1-12	Reqst advise rel progress made on problem 24. W Phila. 11/20 To Phila reqst work be started on problem 24- Reqst estimate of cost 11/29
458003	11/17	To Bu Stds	Reqst problem 29 be considered closed. W

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Number.	Date.	From or To—	Subject.	
458004	11/18	To Anacostia	Asks comments radio research problem 35 method as proposed. W Anacostia 11-20 Submits report	
458374	11/18	To Washington	Desires conduct investigation to determine possibilities of loop transmission and that in future correspondence this problem be referred to as problem 33. W To - Reqts work on research problem be abandoned. 1-24	
458949	11/22	To Bu Stds	Fwds progress report November W	
458860	11-15	Bur Stand Research Lab	Submits monthly progress report on audion phone transmitter, rejector circuits, vacuum tube transmitting set, radio compass, etc.	W
459239	11-15	Bur. Stand. Research Lab	Rqst assignment of research problem covg application of speaker system to radio telephones from a 3 phaze AC supply.	W
458948	11/22	To Anacostia	Fwds two copies of radio progress report of November W	

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
453863	10/27	To Otter Cliffs	(T) Listen this afternoon test tube tran signing WWX one thousand meters three pm to three fifteen etc., W Bar Harbor, 10/27 (T)	
454497	10/29	To A.H.Grebe Co	Fwds copy of report test of batteries. W	
454971	10/29	Resch.Labr.,Bur/Stand. 902	Fwds report of Dr. J. M. Miller, simultaneous send receive telephones. W.	
455673	11;1	Washington	Submits comments and modifications of model TC Tel Set.	W
456493	11;7	Charleston	In connection with test of loop antenna with Guantanamo. W To Chasn (T) 11/8 Bur Stand Research Lab 11-20 Submits report cowg reception of signals from Guantanamo.	
457160	3-15	Bu of Standards Research Lab	Fwds report of electrolyte visual recorder; W	

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Number.	Date.	From or To—	Subject.	
456550	11;5	Bu Stand Research Lab	Submits report of W F Grimes on measurments of receiving prints from Washington Yard.	
456265	11/7	To Bureau Standards	Assignment of radio research problems 37 and 34, continuous wave reciption without heterodyne and sub audio frequency receiving amplifier W To Bur Stds. considers problem completed	12/7/20
456267	11/11	To Anacostia	Asks investigations of problems as given. W Anacostia 12-5 Transmission and reception on extremely long waves. Anacostia- Comments on formula for transmission.	12/17
456266	11/12	To Bureau Standa ds	Assignment of radio research problem. 36	
457458	11/13	To Bu Standards	Classification of radio research problems according to priority of. W	
457460	11/13	To Boston	Radio problem 1 placed in class "A" . Have classified all problems into three classes and req in future make note of class of same W	

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
426808	From Card 44		Bar Harbor-Fwds chart giving report of reception. 10;17 To Bar Harbor-Tel-Gives report of test. 10;20 Bar Harbor - Fwds chart. 10;21 (2) Norf 10/24-Fwds report of tabulation test. W. Washington 10/28 To Washington- Reqst return of corresp with summarized report 11/5 Norf-Fwds special report showing comparative audiability of two kw spark arc and valve signals. W 11;5 Phila-Fwds special radio report. 11;5	
448999	10;17	Circular letter D-7	Radio experiments with Underwater, Surface and Aircraft.	W
453354	10;22	Com	Copy of tel to Marconi Co stating Marion auth to conduct test with Norway.	
453504	10;23	Bar Harbor Tel Transf to 453203-903- (Over)	Sub report of test with tubes.	W
453505	10;23 Phila. 10/23 (T) Phila. 10/24 (T)	3rd Dist Transf to 453203-903- (Over)	Copy of report for test with vacuum transm tubes. Fire Isl-Copy 10;23 3rd Dist-Copy-10;23	W

TESTS RADIO

Number.	Date.	From or To—	Subject.
453197	10/23	To Comdt Washington	Test sub by American R/R Corpn assigned Design problem No 52- considered class "C" as re urgency. W Washington 10/29 To Wash design problem 52 cancelled 12/8 To American R R Co not advisable to subm for test 12/9 American R & R Corp 12-10
453203	10/24	To Miami	(T) Listen this afternoon test tube trans Navy Yd Wash two thousand meters four pm to four ten continuous wave four fifteen to four twenty five telephone report audibilities and gen resulst by despatch refer design problem forty eight. W To Chas dito 10/24 To N.O. dito 10/24 To Key West 10/24 To Otter Cliffs 10/24 To Otter Cliffs (T) 10/23 Chasn 10/24 (T) New Orl 10/24 (T) Miami 10/24 (T) Bar Harbor 10/24 (T) Norf 10/24 (T) Key West 10/25 (T) CO ISABEL 10/25 (Copy) Bar Harbor-Tel-Sub report of test with tubes 10:23 3rd Dist-Copy of report of test with vacuum transm tubes, 10:23 Tel Firesisl-Copy- 10:23 3rd Dist-Copy- 10:23 Phila-10:23 (T) Phila-10:24 (T)

TESTS: RADIO

Number.	Date.	From or To—		Subject.
447247	9;23	Cordova	Tel	Report of test. W To PSd and MI (T) 9/25
447769	9;26	Hart	Tel	States test on 125,000 meter unsuccessful, reqst certain test be fol. W
447538	9/9	Pearl Harbor		Reports on screw test and instal of Sub- 793-5 terranean antenna. W.
448659	10;2	Boston	Tel	Report of test fwd. W To Boston (T) 10/1 Wire Bu when test Hammond Interfleet set completed also when report fwd this Bureau W
448038	10/3	To Cdt Washn Yd		Assignment of Bureau SE design problem numbers- W To Anacostia- In re to assignment of SE design problem nos 10/6
449380	10;5	PCCS	Copy	Sub report of test with Cordova. W

Number.	Date.	From or To—	Subject.	
450604	10;10	O P Adams	Report of test of Audio Piloting cable conducted at New London. W To O P Adamd-Fwds copy reqstd. 10;10 To O P Adams-Bu expresses desire to retain the word "Radio" and gives infor. 10;20	
450627	10;13	To Washington	Samples of tube to be subject to test to determine adaptability. W Washington- Fwds report of test on receiving vacuum tubes subm by Radio Lamp Corpn. 12/22 To Radio Lamp Corpn. Fwds copy of report 1-12	
451150	10;3	M I	Sub report of observation on Bolinis test. W	
2 451147 452149	9;29 10;1	Pearl Harbor Hawaii	Sub information on sketch in con with high power transm at Pearl Harbor. W To P.H. not feasible 10/30 Hawaii- Fwds sketches with reports. 12/3 To Pearl Harbor 1/30	
	To M Is. Fwds drawings. 1-12 RB-1;28 To Cdt P.Harbor 3/18 MI- No progress to report 4/27 W			
447946	9/11 9/26	13th Dist Com	Reports on research experiments conducted at University of Washington.	898

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
432130	7;5	MI	Fwds report of exp with loop antenna.	W
432194	7;13	Cavite	Copy-Experiments proceeding sat.	W
439432	8;13	4th Dist Tel	Report of test. W	
439870	8/15	Phila Tel	Radio compass test fairly sat sug use of larger antenna. W. To Ph Tel 8/15.	919
440107	8/16	Cape May Tel	Report of test W	919

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[OVER.]

TESTS: RADIO

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Number.	Date.	From or To—	Subject.
440876	8;20	Dept 881	Copy of let to Dept State stating cannot grant permission to extend hours of test betweem Marion and Norwegian station at Stavanger. W
442169	9/2	To Comdt Wash	Reqst transmitters be submitted to test submitting data covering, representative of Bu will witness tests W Wash 9-12 Vacuum tube transmitters- Comparative test- Fwds report. (cross 898)
442989	9/4	To Commu n F. U.	Test report on signals from Swedish Radio Station Karlsborg- no signals heard from Bu Standards W
444273	9/10	To Washington	Instructions in re to submitting of individual mfg reports W
447071	9;23	New London Tel	States that test started 23rd will be completed 25th. W
447081	9;23	PCS Copy	States Marconi officials desire test of high power transm app at Bolias. W

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
421435	5;26	New London Base 107-0-6	Report of radio test on S-3 and chaser 408 at Ports.	W
421332	5-29	To Bureau Stds	Assignment of serial numbers to radio research problems on hand. W	
421333	5-31	To Bureau Standards	Serial numbers assigned to radio research problems on hand. W Hawaii- 7;21	
421331	5-31	To Airc Lab, Bu Std and Radio Lab Bu Std To Comdt Pearl Harbor- Desire P H Sta undertake research work - 8/27	Advises re plan for cooperation between various research laboratories and Bu, submits and asks comments and recommendations W To- reqst instruc fwd letr 5/28 be complied with and semimonthly reports fwd to Bu 6/27 To Comdts- sub for comments plan 6/30 To Puget S & PH- req info re action taken 7/19 Pearl Harbor 8;7	
426706	6-19	San Diego (Copy)	Rqst for test Saturday 6/21.	W
426735	6;19	4th Dist	Sub report of audiability of test.	

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[OVER.]

TESTS RADIO

Number.	Date.	From or To—	Subject.	
426250	6-18	To Communications	Reqst despatch be fwd yards in conn with tests now being cnducted on sample arc radio trans	W
426808	6-21	To Comdt, Mgr, Director Commun	Instruc rel to conducting transmitting test at yard Washn- resume of test desired	W
To Card 47		Bar Harbor-Fwds charts-10/16	Com 6:25 Norf 9-4' Receiving equipment recd.	
		Bar Harbor-Sub report of reception with prints. 10:14	To Otter Cliffs- test begins 10/13 10/9 To IM Norf Cdt Phila- Re test 10/9	
		Bar Harbor--Fwds chart 10:15	TO NORF- Tel- 10:13Asks results of test.	
		1st Dist-Fwds chart giving rep of reception cov transmission test.		W Cross 898 10/18
426970	6;20	1st Dist Tel	Sub report of test of sigs Wash Yrd 19th.	W
427172	6;20	1st Dist Copy	No test sigs rec from Wash Yrd.	W
427648	6;21	15th Dist	Sub report on adaptability measurments.	W
430535	7;6	Cavite	Sub report of test of various stations. W Tel Cavite-Report of experiments. 7;14	

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
412357	4;1 4;15 S&A-Fwds table showing lat and longitude for Coconino during transmitting test. W 6;23	HEEIA PCCS	Fwds copy of station log in con with test arried out with Coconino equip with arc set. W To Fed Co- fwds tests sets installn on COCONINO enroute Honolulu to San Frisco 5-28	
411503	4-21	MI Tel	Estimate for prelim experiments To MI Tel 4-19 W	842
414449	4;29	To Bu Stand	Asks for copy of radio test 2531	W
414726	5;1 To Mgrs. reqst data be fwd 5-29 Phila 6;2 NOTI-Reqst genl list of radio research work now in contemplation. 6;6 MI-Sub list of exp work and routine work under way 5;29	To Industrial Mgrs, Commandants etc.	Arranging performance of radio exp along research lines. W Bu Stand-In con with facilities for research work. W 5;3 Bu Stand-Report of facilities for research work. 5;5 Boston-Reports on facilities for research work. W 5;9 Phila 5/14- Report of facilities for personnel for research work- To Comdts- asks info re research work 6/27	
415284	5/2	To Bu Stand	Tests being conducted. To Washn Yd- transformer reqstd shipt, will be used for testing purposes W 5/5 W	898
416864	5;3	National Res Council	Fwds copy of cable to Attache at London in con with Wireless test Darien and Annapolis. W	

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Number.	Date.	From or To—	Subject.	
417021	4;26	Natl Res Council	Fwds copy of cablegram from Eng regarding proposed wireless test during Solar Eclipse. May 29th. Cross to 920	
418910	5;16	L W Austin	Method of test, effects of change made in sending station, fwds report.	
419561	5;19	PCCS Copy	Fed Tel Co will cooperate in Goat Isl experiment, have placed lab at Gov disposal for elimination of arc hissing. PCCS-Tel-Chapmans - ervice offered by Fed Co W	5;19
419306	5-20	To MI Tel	PCCS 15219 to DNC concerning Yerbauena period Fed rep considers M r Chapmans services essential connection two kolowatt tests period Bu cannot agree to postponement of these tests W	
421095	5;26	MI 902	Sub report of test of radio tel instal, authorize to retain for further test. W MI-Reqst that San Diego be authorized to issue airc radio tel to cont experiments. W To Mi Tel 6-11	6;7

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TESTS RADIO

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Number.	Date.	From or To—	Subject.	
401060	3-11	To NY	Reqst report be fwd covering procedure of conducting acceptance tests at NY	
402648	3;11	Sims Copy	Sub report of test.	W
405299	3/24	Annapolis	Sub report of waive testeproposed by Fed Co with Ottercliffes W	901
405928	3;26	Natl Res Co	Fwds copy of cable from attache London reg spec wireless sig which British will send out during week of May 29th.	W
404780	3-26	To Operations, (Subs) Via C&R	Recommendations made for standard type submarines, reasons given- C&R-Copy of let to Dept. Sub comments on sub antenna and proposed loop instal. W Cross to 907 and 875 RB Dept 5;5	

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[OVER.]

Number.	Date.	From or To—	Subject.	
403402	3/25	To Commdt PH	Requ expedite experiments as Marcini Sta will be turned back to owners soon.	852
408963	4;5	Com	Sub report on adaptability of test from some Swedish radio station.	
408918	4/4	Washington Yrd	Sub recs concerning design of rec app of higher wave length than ever used in service before, req authority to carry on experiments.	898
408644	4-7	To Washn	Reqs steps be taken see officers or empl req work expr test or investigations be carried out by Bureau, without matter being submitted for approval W	
410948	4;14	National Research Council	Fwds copy of report covering details as to eclipse wireless observation. Cross to eclipse.	W
411244	4-18	To Fed Co.	Fwds two samples of tape records taken at Otter Cliffs. in conn with test made by Co. April 14th. W Fed Tel Co 4;21	

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TESTS : RADIO.

Number.	Date.	From or To—	Subject.	
394609	2-14	To Atlantic Fleet	Gives status of radio distance and audibility tests completed between USS PENNSYLVANIA and Bureau of Standards- W USS FLEET-Submits report on audiability of test. 4;14	
388585	FROM CARD 40		HONOLULU - TEL 2;17 TUTUILA " NEW ORLEANS " DARIEN - TEL 2;19 HONOLULU TUTILA " Sims-Copy 6868-Asks if duplicate of test will be cond. 3;10	
398183	2-26	To Pacific Coast Supt San Frisco Tel	Arrange wth Fed Tel Co Palo Alto to cooperat with them in testg Navy two kilowatt arc installed for test on SS COCONINO period ship sailing from San risco Feb 27th	

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Number.	Date.	From or To—	Subject.	
396118	2/21	To C. 2nd. Nav. Dist.	Reqst. that the transmitter be adjusted.	
397742	2;25	12th Dist	Fed Co rep will call to make test of 2 kw arc on Coconino. To 12th Dist 2-28	
397337	2/25	To EF Alexanderson Research Labratory GE Co	Asks re action taken test with GEORGE WASHINGTON	92 0-7
397969	2-28	To Arlington 841	Asks cooperation with Bureau re tests Bu Standards will make receiver measurements using Arlington antenna-	

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TESTS: RADIO

Number.	Date.	From or To—	Subject.	
389719	1;28	L W Austin	Submits tables of adaptability at Bu Standard, corresponding to dif prints.	W
385585	1-27	To Radio Stations DCS-FRISCO-1:30 NEW ORLEANS -Will try other coils. 1:30 DARIEN-Tel - 1:31 HONOLULU-1:31 TUTUILA-Two tels - 2:2 HONOLULU - Tel - 2:2 DARIEN - Tel - 2:1	(T) Commencing 1-29th make comment in detail on characteristics and strength of singlas from Annapolis wave length 17000 daily between one and threeGMT for three weeks. report daily by Desp Darien - Tel - 1:31 New Orl " 1:31 Honolulu " 1:31 - Copy Tutuila " 1:31	W
OVER				
388600	1-28	To C-in-C Atl (T)	Rept PENN arc test be repeated twice while en route NY to Hamp Rds-Asks time and date test wi l be condted	W
390558	1-31	Atlantic Fleet (T)	Report on PENNSYLVANIA arc tests with Bur Standards - W Atl Fleet-Tel-Cannot send arc test. 2:3	
391734	2-1	To Sims (T)	Asks info for French authorities	W

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TESTS: RADIO

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Number.	Date.	From or To—	Subject.	
388585	OVER	TO CARD 41	NEW ORLEANS- Tel - 2;1	
	TUTUILA -2;9 Tel		SAN DIEGO - 2;4 - Copy	
	DARIEN 2;10 T		TUTUILA - 2;4 -	
	NEW ORLEANS 2;10 T		DARIEN - 2;4	
	HONOLULU 2;11 T		DARIEN - 1;5	
	DARIEN 2;11 T		HONOLULU - 1;5	
	TUTUILA 2;11 T		TUTUILA -1;4	
	NEW ORLEANS 2;11 T		NEW ORLEANS- 2;6 - Tel	
	TUTILA 2;12 T		HONOLULU - 2;5 - Tel	
	DARIEN 2;12 T		Darien - 2;5 - Tel	
	NEW ORLEANS 2;13		Tutuila - 2;5 - Tel	
	DARIEN 2;13 T		DARIEN - 2;7 - Tel	
	TUTUILA 2;13 T		HONOLULU ditto	
	TUTUILA 2;16 T		TUTILA ditto.	
	DARIEN 2;16 T		HONOLULU 2;9 - Tel (2)	
	HONOLULU 2;15 T		TUTUILA 2;9 Tel	
	NEW ORLEANS 2;14 T		BALBOA 2;9 Tel	
	DARIEN 2;14		NEW ORLEANS 2-9 (T)	
	TUTILA 2;14 T		TUTUILA 2-8 (T)	
	NEW ORLEANS 2;15		BALBOA 2-8 (T)	
	HONOLULU 2;15		To NO (T) 21301 discontinue recv tests from Annapolis 2-3	
392244	2/5	Washington	Acceptance tests of receiver built by Marconi Co submits report gov W	898
391741	2-3	To Atlantic Fleet T	Repeat PENNSYLVANIA and B u Std arc tests every six hours en route south advise hours of test repeat wave length antenna current and positon of ship at termination each schedule W	
	To Atl Fleet- Fwdg record of antenna currents employed by the PENNSYLVANIA on var arc schedules-2/14			
393859	2/6	New Brunswick	Req release in order to test equip for devel of tel control. W.	920-7
393857	1/2 1/20	European Force Com	Long distant test, fwds reportL W	902

4—3381

Number.	Date.	From or To—	Subject.	
367424	11/6	Inspr Brooklyn	Fwds let from Marconi Co sub report on test of gas engine driven motors. W.	882-3
375488	12/6	Radio Lab Bu Stand.	Recs Bu Stand Be sup with apparatus for test of high volatge tube transm	916
375347	12/2	Bu Stand.	Rprt of further test of 2 KW genl elec transm. W.	918
375813	12/10	To Wash.	Encl copy of reporton test of new type destroyer compass.	919
376625	12/9	Annapolis Station.	Sub report of test of conn on antenna.	875
377140	12;11	Bureau Standard	Fwds sketch and report of test cov standard method of test by Oscillograph. W Cross to 902.	
379229	12;2	European Force	Fwds copy of report of destroyers cov radio tel and radio compasses.	

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N.S.E. Form 134.

TESTS: RADIO

Number.	Date.	From or To—	Subject.	
377894	12:14	N London Base C&R-Copy of let to Div of Sub Force directing take no action in con with remov of radio masts of sub E F and H & K class. W Cross to Masts-Radio 3;20	Rec N-2 and N-4 be authorized to perform test on various radio material. W Fwd Dept. 12/18 received back 12:27 To New London Base-Fwds report of test with prints. 1;21 C&R-Submits report on test. 2;1 New London Base-Sub report with prints of test of antenna on N-2 and N-4 1;21 Fwd. Chief of Nav. Oper. 2/21	W
365255	12;26	Charleston Tel	In con with test 2 kw arc at Wash Yrd.	W
386436	1;18	Sims Copy	Swedish test fwd approved, asks if Stuvenger tests are being made. W	
387901	1;21	Com	Copy of letter to Marconi Co authorizing certain test between Marion Stations and stations ~~between~~ at Stavenger. Com-Copy of let to Marconi Co-States Navy Dept has no obj to test with Norwegian Sta and Marconie Station. 4;5	W
376847	12/13	To NY	Reqts that sample wave meter for spad portable use be fwded to radio test lab Wash New York 12/19	893-4

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[OVER.]

Number.	Date.	From or To—	Subject.	
350077	9/19	To Ge Co	Suggests arrangements and asks to advise if satisfactory and when sample set will be available for test W	882-3
325852	See Card	34 To Dubliar Cond Co	Commenting on tests on condensers 9/17	882-1
354780	10/1	Expr Sta	Asks result of test radio compass station W	919
35674	10/9	To Norf	Rqsts preparations be made for tests of aircrft transmitters	918
359653	10-19	To Hamp Rds	Reqts that West Elec Co 100-mile airplane set frok Western Elec Co be tested Hampton Roads-Submits report of test. 10;26 To Hampton Rds, re test of transmitter 11-6	W
360011	10/15	Hamp Rds/	Direction finder coils-Fwds rpr of tests of detail comment.	919
364011	10/30	Mare Island (T)	Submits report New Brunswick and Annacotia special test 10/29 W	
363220	10-30	To GE	Asks that they make prelim survey of situation re development of a short range defective system of radio comm	W
GE Co - reqst further information in connection with experiments on short wave transmitting set - 1/14				
345776	10;15	Pearl Harbor	Req report of experiment. To Pearl Harbor re imperfect contact in antenna	11-15

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N.S.E. Form 134.

TESTS: RADIO

Number.	Date.	From or To—	Subject.	
364221	11/1	To M Is-(T)	Spec. radio test Nov.2 to 8th incl Ann 16 to 1615 New Brunswick 1615 to 1630 Savville 1630 to 1645. All wave lentgsh 13600 reqst report strength and tone quality daily by Desph.	818
337842	8/15	14th Dist.	Reqst authority to divert next destroyer in vicinity of Canal in conn with radio test. W.	899
370003	11/13	Inspr Fed.	Sub report of preliminary test of experimental 2 Kw set.	898
373678	11/30	NY	Westinghouse meter for use on radio tel set to replace GE instruemtn now instal, report of test.	sub 902
372807	12/4	To Nav.Oper.	Re assignment of vessel for radio testing & experimental work. European Force 2;3	
377007	12/10	Anacostia	Test of Magnavox set with new type transm report of test. W.	918
370314	11/15	Hampton Rds.	Sub report of test of GE Co radio meters. W.	918

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
329718	7;22	G E Co	Repairs to test of radio barrage on long waive length. W To—— Work performed satisf. 7/25	
331540	7;20	PCCS	Copy Submits report of test of radio, communicated with Cordova. W	
333463	8;5	S R Weagent	Will begin test 8;6 W Marconi Co - Fwds complete list of test.	8;6
333462	8/5	To Marconi (T)	Asks to copy Carnarvon meters. Re test. W To Communications. Fwds. copies of messages rec'd at Lakewood. 8/13	
326820	8/13	To Marconi	States that let. of 7/31 was re defective 5 KW antenna switches. W	
334871	8/13	To Norf	Gives instrns for test of detectors	898
338835	8/8	Marc ⊥s	Fwds Van Dyke reports on tests and insp of 1 KW	898

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N.S.E. Form 134. 903

TESTS: RADIO

Number.	Date.	From or To—	Subject.	
341303	8;24	GE Co	Sub report of test at New Brunswick on radio barrage W	
343662	9;3	R A Fessender T	Sub report of three days attempt to carry out test, have ordered all work stopped, no further test will be made. W	
329402	7/10	Mare Is	Sub report of test of Delarette generator for use with arc radio transmitter	882-3
346030	9/6	Boston	wireless specialty and Dublier condensers fwds reports on test	882-1
349385	9;10 9;15	Charles L Robinson Communication	Req that radio operator be directed to keep log during Sept wl and 22nd to ascertain if any developments occur in connection with the earth crossing the sun's equator. Fwd. Comm. 9/23	
350385	9;17	Marconi Co	Reports receipt of req from Norway to carry on a series of test with their Stavager, rec their undertaking at Lakewood or Chatham W **Fwd. Comm. 9/24** To Marconi. Ack. rect. of let. of 9/17. 9/26	
358852	10/7	Mare Island	Fwds report of t st covering 1/2 K.W. Gas driven power unit. W.	882-3

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[OVER.]

N.S.E. Form 134.

903 TESTS--RADIO

Number.	Date.	From or To—	Subject.	
311049	5/29	To Rockaway	Test of radio set type CE 615	918
314095	6/4	Experiment Sta	Understand Bu shipt complete apparatus for special radio experiments on Sunday.	876
293868	6/5	To GE Ft Wayne	Rqst submit to BU 14 additional gap units further tests will be made- W	898
318418	6;17	Belmar	Test of New Brunswick alternator, on 13,100 meters. Reqts experiment number. W To ---- Reqts. to report data on experiments with alternator. 6/27	
319538	6;19	W E Co.	Acknowledges conditional information on radio test. W	
318678	6/21	To Nelson E.Durand	Fwd. copy of let. to Trans-Atl.Com.C. at Belmar & 2 others. W To San Pedro. Reqts. that in the future all matters be taken thru. the B. W 6/21 To Belmar. States that Mr. Holland of Edison will visit re phonotraphic recording device. 6/21 Fwd San Pedro 6;21 received back 7;8	
342217	8/16	Mare Island	Fwds prints giving report of test on Deforester receiver	898

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[OVER.]

TESTS: RADIO

Number.	Date.	From or To—	Subject.	
320928	6/28	To Belmar	Rqts to assist Mr Alexanderson on experiments.	901
323711	7-4	NY	Submits reports on experiments of wooden Cargo Ships to determine whether fleet metal in ship must be grounded to avoid sparking or to protect persons from shock.	771-2
323797	7;5	Belmar	Investigation for receiving conditions at Washington, submits report in connection with Fwd. Nav. Com. 7/16 Naval Com - Fwds rec. 7;23	
324392	7;6	G E CO	Submits report of preliminary test of radio To GE Co. Ack. rect. of report of 7/6 on preliminary tests of rad. barrage. 7/13	
325500	7;11	Oscae Brass Co.	TEL: Proposed test on new design porcelain rod asks if new station completed in order test can be made next week.	
328706	7;22	Sayville	TEL: Unable to carry out test until 7;21 due to burning out on temporary leads between transformer house and arc building. W W	
335291	8/7	Washington	Submits report of test Mignon long waive receiver	898

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N.S.E. Form 134.

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TESTS: RADIO.

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Number.	Date.	From or To—	Subject.	
293995	3/30	NY	Recommends Bureau authorize expenditure of $50 per set for any alterations or repairs, in connection with test of East To--Auth/ 4/4	876
292967	3-28	To 3rd Dist	Reqts auth Marconi Co transmitt on the antenna Aldene, N J starting 3-29	
292820	3-23	BELMAR	General Electric photographic recorder reports on test	909
299329	4/16	GE Co	States not necessary to cover few pieces ~~of~~ sent for experiment by reqn.W	
30225	4/26	Cutting & Washington	Forwards summary of last weeks test on torpedo boat #79, Company's apparatus	79-Q-6
301753	4-30	TO Y&D 615	Erection of house or garage for storage radio apparatus in connection with experiments on the Anacosta Flats-4-30	
302853	5/3	To Comm. Sub. Force Atlantic.	Test on submarine to demonstrate possibility of using submarine os cillator motor generator as radio motor generator and vice-versa.	907
303050	5-7	To (T) Mare Island	Impracticable raise antenna-Suspend test-W	793-5

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[OVER.]

TESTS: RADIO.

Number.	Date.	From or To—	Subject.	
305975	5:11	Experiment Station	Expidited special insolator contractor from Roebling & Son for under water radio test. W	
	To (T) J A Roeblings Sons- Advise immediately present status special cable-expedite shipment 5-14		I. A. Roebling Sons Co. TEL. Ship single conductor today. 6 conductors two weeks. W 5:15	
	To J A Roebling's re above, 5-17 J A Roebling Sons CO 5:15 W		To (T) New London, re experiments of single conductor cable, 5-15 J A Roebling Sons Co. reqts shipment of items 5:15	
306380	5/3	Mare Island	Fwds radio test report A--431 on inspection of 1/2 k w Marconi radio sets.	898
307533	5/15	Naval Communication	Fwds report of test with wireless tel. at Naval Academy.	902
307547	5/4 5/12	Atlantic Forde Atlantic Fleet	Preliminary report of test with Lowenstein short range transmitter, fwes sketch with comments covering.	898
308121	5/24	To Washington	Fwds report test of CM 298-A receivers made by Mare Island.	898
302652	5-27	To Western Elec Co	Reqtn prepared for 1000 filter boxes and 2000 choke coils	W
310081	5-27	To Yds	Reqts that in future all reports covering tests of installtn, insptn, and technical info be prepared in report form on standard Navy Radio "A" sheet forms; two blueprint and one vandyke copies being fwded 5-27	W

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TESTS: RADIO.

FILE No.		From or To— (Dated)	Subject.	
	To Wash--3/2		~~Washn-progress report.2/25~~ Washn-3/15	
271419	1/5	To Wash	Report of weekly progress of test work at Yard. Directs submit report on Saturday of each week.W	
	To Wash--Directs develop two untuned audion amplifiers.2/11 Washn-2-18.W		Wash fwds progress report 1-19 Wash 1-26 Wash 2-4	
270790	12-28	Bu Standards	Test of capacities of condensers and coils; states will submit report in about 10 days.W	905
277462	1-29	Bermuda R	Recommendations relative to tests. W Fwd Nav Com--1/31	
277895	1-18	MM&M	VOID.	
277883	1-25	Great Lakes	Request experiment number assigned for test of submarine wires.W	
277782	1/31	To Firms	R eqt fwd list of special experiments which may be in progress with report on each. W	
	GE Co--2/20 To-GE Co--2/28		F. Lowenstein fwds #2 report on development work 2-2 Marconi Co--2/12	
277556	1-30	San Francisco copy	Reports on results of tests. W	852
279125	1-31	Great Lakes	Under-water radio test; submits report on. W	875
279199	2/5	Communications T	Telegram from Cooper stating expect to commence tests Tuesday - W	
279183	2-2	Belmar	Fwds weekly report on experiment No 1-B test of gen elec photographic recorder.W	909

(History Card.) NB—0120}

TESTS: RADIO.

279440	2-4	Trans-Atl Com Officer	Experiment No 5-A tests of wave lengths for New Brunswick radio to be carried on with Lyons, France and Rome, Italy.	920
280074	2-7	NY	Manhattan Elec Supply Co's hand key - reports on test and recommends approval of 1 & 2 KW sets only - W	898
281385	2-13	Miami T	Request Lyons send, in order to make test. W	908
284279	2/21	Wireless Spec Ap Co	Weekly report on experiment 9-A progress on drawings,etc.W Wireless Spec Co-Submit report.W 3-2	
285315	2-23	MISSISSIPPI	Report of test on receiption of arc signals.W	
284917	2-25	Belmar.	Experiment 1-B Gen Elec. Photographic recorder reports on test. W.	909
384840	2-28	Nav CoM	Weekly report of progress Trans Atl Stations. Reqt have French Govt. arrange for tests of intensity of Nantes and Lyon. W.	920.
286994	3-4	Taco.	Experiment 1-B- gen elec photographic retorter. Fwds. W.	909.
292716	3/27	G.H.Clark T	Test completed with Sperry results with rauen.W	
292820	3-23	Belmar	General Electric Photograhic recorder reports on test of. W.	909.

TESTS: RADIO.

Number.	Date.	From or To—	Subject.	
256971	10-23	Great Lakes	Reports on test of submarine reception of signals.	875
257582	10-30	To Sub Base, New Lond	Reports of test with underwater aerial. Directs submit semi-monthly.	875
257707	10-29	Phila	Radio protective device; test of lightening arrester type; fwds.	885
258964	11/6	To New Brunswick	Quotes despatches re certain tests for compliance. W	
259734	11-8	G E Co	Oil condensers - submitted Boston Yard - request result of test. W	882-1
260053	11-9	Wash	Fwds report on test of mica dielectro condenser submitted by John Firth for the Dubilier Condenser Co. W	882-1
261312	11-13	Wash	Fwds report on test of an audion submitted by John J. Auringer. W	898
261729	11-19	To Norf	Test of transformers manufd by Amer Trans Co. Instrns re tests of. W	904
263144	11-19	Pug Sd	K&C 1/2 kw motor generator insulation test forwards report. W	882-3
264313	11-24	Washn Yard	Aero fan generators submitted by Sperry Gyro Company - fwds report of test. W	918

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TESTS: RADIO.

Number.	Date.	From or To—	Subject.	
264576	11-27	Phila	Fwds report on visit to Dubilier Condenser Co in connection mfg and test radio protective device. W	885
264856	11/29	West Phila Exp Sta	Fwds report on radio test.W	
265932	12/6	New Brunswick	Request copies of test made with Wales.W To Marconi Co--Reqt copies of report 12/10 Marconi Co-fwds copy of report recd atWales from New Brunswick Station.W	
265873	12-5	Communications	Lents radio station; reports on test of low power. W	892
267635	12-11	Wash	Crocker, Wheeler aeroplane generator; fwds report of test. W	918
268448	12-12	Pensacola	Comparative test of Simons and Crocker Wheeler Co's aero radio generators-fwds report on. W	918
269164	12-19	Great Lakes	Reports on under-water radio test. W	875
268989	12-20	Transatlantic Com Ofcer	Magnetic receiver - reports on test of.W	898
269422	12/28	To Naval Radio Lab	Audibility tests. Fwds corres re tests at Cavite and New Brunswick. W	
270637	12-29	GRT LAKES	Reports on underwater receiving tests. W	875
270471	12-28	NY	Antenna wire connectors, Clark seamless copper splicing sleeves; sample and report of test. W	875

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[OVER.]

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TESTS: RADIO.

Number.	Date.	From or To—	Subject.	
251588	9-26	NY	Radio insulating material; fwds report on comparative test of various makes and brands; states Bakelite Dielectro, grad 20, only suitable material for radio high frequency uses.	672
251540	9-14	Lt Robt A Lavender	Aeroplane radio transmitter, Simon, Marconi, De Forest, Sperry and Rouzet; fwds report on witnessing of comparative test.	918
251725	9/26 -	Dept	Directs Bureau conduct experiments between United States and France - W	
		Fwd Nav Com--11/19	Sim copy reports on test 12-19 Communications 11-30	
252155	9/20	New Brunswick Sta	Reports on test carried out with European station and fwds messages sent from ~~and received~~ New Brunswick and received photographically at Schenectady.W	
		Communications fwds copy of letter to Italian Nav Attache, relative to test 10/12	Fwd Nav C om--10/5 Communications 10/11	
		Pug Sd Dist Com Supt 11/2 Atl Coast Com Supt 11/15		
252211	10/1	Cavite	Reports on preliminary of August test-test with Helix and wave changes.	806
251623	9/26	Phila	Rotary spark gap mfgd by the Marconi Wireless Telegraph Co. fwds comments on inspection and test of.	898
252426	10/2	To Prof G. E. Hale T	Bu has instructed M.Is. to permit use of San Pedro Station for Hyders test. W To M.Is.--(T)Auth use of San Pedro. 10/2	

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TESTS: RADIO: 903

1917

Number.	Date.	From or To—	Subject.	
252924	10/3	Radio Test Shop 1	kw radio set for the TAVERNILLA furnished by E J Simon; fwds report on test.	727
254215	10/11	To Com Supt NY	Add'l test schedule for New Brunswick. Instrns. W New Brunswick commenced test with Towyns Oct 10 10/8	
254556	10/10 10/12	Sayville Communications	Comparative receiving test between Sayville and New London; states Sayville receiving more tests and are more accurate; further tests will be made upon completion of new antenna atNew London.	
255648	10-3	Radio Test Shop	De Forest an Sperry Co's 1/2 kw aeroplane transmitter generators; submits report on test.	918
254823	10-15	Pealr Harbor T	Reports final test completed successfully rec acceptance, subject to successful welding of arc chamber.	852
244473	10-13	To E.J. Simon	Fwds copies of report of test of panel radio set, received from Wash Yd.	876
256225	10-17	Wash	E.J. Simon aeropalane radio receivers; submits report of test.	918
256773	10-24	E J Simon	Special Dubilier aeroplane condenser; fwds copy of report of test made by Dubilier Condenser Co	882-1
256663	10-23	A.L. Franken field	Reports test of his means for increasing radiation of wireless station.	876

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[OVER.]

TESTS: RADIO.

Number.	Date.	From or To—	Subject.	
239214	7-17	Communication	States telegram used in making reports of station test too long; gives designation and suggests designation to be used.W	
240206	7/23	Dr. L. W. Austin	Fwds report on test to determine resonance in high frequency circuits; states scheme can be used for checking wave lengths of distance stations and calibrating stations, receiving circuits, condensers, etc.W To Ships—Quotes report.8/8	
240160	7-23	NY	Reports on study of radiation and oscillating receivers and recommends further experiments in connectionwith using for detecting receiving stations and locating by directinn finders. 898	
240133	7-24	Pearl Harbor copy	Radio acceptance test will be resumed July 24th.	852
243385	8/11	Communications	Reqt that John Hays Hammond, Jr be permitted to continue test of secrecy, non-interference, etc, devices, at radio laboratory, Bu Standards.	908
243330	8-11	Fed Tel Co.	Cavote and pearl harbor; reports on test relative to helix house.	806
243779	8-14	Connecticut T&T Co T	States test apparently satis; states accident to generator will postpone completion for about 2 weeks.	918
243737	8/11	Phila	Marconi radio compass, contract 26141; fwds report on acceptance test of.	919

N.S.E. Form 134.

TESTS: RADIO 1917

Number.	Date.	From or To—	Subject.	
244309	8/16	NY	Fwds reports on test of a Johns-Manville model 19 tachometer supplied by Copely Co; also augmented model feed device.	882-2
244607	8/18	NY	Fwds test of a Northup-Ajax discharge gap submitted by the Pyroelectric Instrument Co.	898
246081	8/27	NY	Transmitting key submitted by the Manhattan Elec Sup Co; reports on test of; fwds photos.	898
248985	9/14 9/13	T o Yards	Test to determine relative receiving efficiencies of certain receiving stations. Instrns in connection with. W Great Lakes (T) asks if letter refers to Paris or Washington County 9/15 Chasn (T) 9/15 To Chasn—(T) 9/17 To Grt Lakes—(T) 9/17 Bost 9/17 Bost 9/19 Bost 9/22 Bost 9/14 & 20 New London Sub Base10/27	BELOW
	Bost 9/24	Bost 9/25		
	Bost-test ready-9/26.			
	Bost - 9/28 - W			
	Bost 9/29			
	Bu Standards fwds copies of reports of messages received from Lyons, at Rogers Station 10/1			
	Bost 10/1	Great Lakes 10/2		
	Bost 10/2	Bost 10/4		
249188	9/14	to 3rd Dist via Comdt	Test of arc radio sets for Argentine Govt; no objectio to release of.	793-8
250140	9-18	Marconi Co	Reports test conducted at Kokohead sta.	793-5
251271	8-27	Amer Embassy, Paris	Radio communication between US and France.	892
251343	9-27	Pearl Harbor R	Reqt arrangement be made for test Sayville & Pearl Harbor.	852
248985		ABOVE	Submarine Base, New London Lyons test underwater radio receiving; submits report in detail 9/30	
	Bost 10/10	Bost 10/11		
	Bost 10/12	Bost 10/13		
	Bu Standards submits report on test to determine relative receiving efficiencies of certain receiving stations 10/18		Bost 10/3 Bost 10/5 Bost 10/9 and 10/8 Chasn--10/8.W New London Sub Base 11/23	

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1917

TESTS: RADIO.

Number.	Date.	From or To—	Subject.
227566		SEE CARD 29	New Orleans T 5/21 Great Lakes T 5/21
		To GE Co--Fwds data on tests.6/15	Darien T 5/21 Alexanderson T 5/21
		To San Diego--(T)Instrns.6/14	To M.Is.-- (T) 5/21
		To Prof Alexanderson--(T). 6/25	To Dr. Alexanderson--5/21 (T)
		To Darien--(T) Instrns.6/25	Great Lakes T to Wash.5/22 Darien T 5/22
		To Sayville--T--Instrns.6/25	To Dr. Alexanderson--5/22
		To Dr. Alexanderson--6/28	Darian (T)5/23 W
		GE Co fwds comparative measurements of test 7/28	New ORLEANS (T) 5/23 W
		To New Brunswick--7/31	To Dr. Alexanderson--(T) 5/23
		To Prof Alexanderson--8/2	New Orleans T 5/24 Great Lakes T 5/24
		New Brunswick fwds report on experimental work 8/1	Great Lakes (T) 5/25 Darien (T) 5/25
		To Capt D.W.Tood--8/14	New Orleans (T) 5/25
			To Dr.Alexanderson--Regt infor of motor input for each day of test so far. W
			Darien 5/27 T Great Lakes T 5/27
			New Orleans T 5-27 Great Lakes T 5-26
			New OrleansT5/26
			E F Alexanderson (T) ~~request action~~ 5/28
			To Dr. Alexanderson--(T) 5/26
			N Orleans - 5/28 W (T)
			Gt Lakes 5/28 (T) W
			Darien (T) 5/28 W
			To Radio--Instrns.5/29
			ToNew Orl--5/29
			To Grt Lakes--5/29
			To GE Co--Re modification of instrns relative to tests. 5/29
			To Dr. Alexanderson--5/28
			To Darien--(T) 5/29
			To Dr. Alexanderson--(T) 6/1
			To Dr. Alexanderson--6/2 (T)
			To Dr. Alexanderson--6/5
			To GE Co--6/7
			To Dr. Alexanderson--(T) 6/7
			To Dr. Alexanderson--(T) 6/8
			To GE Co--(T) 6/8
			To Dr. Alexanderson.6/9
			To Wash--Instrns.6/12
			To Dept--Communication--6/12

N.S.E. Form 134.

TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.	
234485	6/3	Wash	Reports on high frequency variable resistance for use in radio test work.K To—Comments on.6/29	
234867	6/21	To G.E.Co T	Sample transmitter arrived Wash Yard. Can test Monday or other day next week. W (Cross) G E Co states representatives will be in Wash 25th to demonstrate 6/22	
235413	6/25	E.F.W.Alexanderson	Relative to wave lengths for test on Paris schedule.W To-via New Brunswick—Gives infor reqted.6/27	
235855	6/28	To Radio, Va	Directs daily test schedule now being maintained be discontinued. W	
235902	6/28	To Darien T	Discontinue receiving test schedule with Arlington. W	
238092	7/12	To CHICAGO Flag Submarine Base 8/9	Special Radio test. Fwds copy of instrns to Radio. W To Radi—Instrns.7/12 To—Reqt progress of work.8/3	
238782	7-16	To New London Sub Base.	Dr. L.W.Austin will witness radio test instead of Mr /Clark.	875

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[OVER.]

TESTS: RADIO.

1916

Number.	Date.	From or To—	Subject.
189066		CARD 27	Darien detailed report 11/17 Bost detailed report 11/25
		Fwd Bu Standards--For comment. 12/27RB 1-3 To New Orl via Comdt--Instrns retuning wave. 12/19 To 5 Stations--Directs retune wave lengths.12/19 (T) To Darien--Wave meter will be shipt Jan 1st. 12/15	
207184	12/4	To Radio Stations (7) T	Directs retune working wave length and rept. W
		To Dist Com Supt Bost via Bost-- Bu Standards measurements will be made each week. 12/13 Fwd Bu Standards--12/13 RB 12-15	Darien (R) reqt Bu Standards measurements 12-4 To Darien--(T) Calling wave 3940 meters. 12/6 To Great Lakes--Wave length should be calibrated as found necessary from Bu Stand measure.12/8
207207	12-4	To M. Is	Reqt rec fortest orf apparatus, (30 day test) Directs particular care to certain items. 830

1917

210758	1/6	To Annapolis T	Directs listen on 600 meters today for spark signals; take audibilities and report results. W Nav Acad (R) reports 1-6 To--(T) Directs listen in 3 P.M. 1/8 Nav Acad ()T) T 1-8
211520	1-11	Bost	Cutting and Washington radio transmitter; submits report on test; fwds photographs.W

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1917

TESTS; RADIO 903

Number.	Date.	From or To—	Subject.
211371	1/11	To Great Lakes ToChasn	Gives length of Sunday wave length test. Directs retune and report. W
214195	2/10	To M.Is.	Radio Installation, San Diego. When station ready for 30 days test, Bu directs notify Bu, and Bureau will auth tests as outlined.W To Fed Co--Fwds copy of above instrns. Directs inform Bu and M.Is. when tests are ready. 2/10 To Pac Coast Supt--Fwds copy of instrns. 2/10 To Great Lakes--Fwds copy of letter to M.Is, with instrns. 2/10 To Darien--Fwds copy of instrns, and directs inform Bu daily audibilities. 2/10
221408	4/7	To Stations T	Directs discontinue Sunday routine radio tests. W.
227566	5/12	To GE Co, CARD 30 Great Lakes (T) 5/18 New Orleans (T) 5/18 Darien (T) 5/18 To GE Co--Re test.5/16 To R.A.Alexanderson--(T) Re test of apparatus.5/17 (T) To--Rect telegraphic report each day re New Brunswick Station.5/18 (T) 5/20 Great Lakes (T) 5/20 New Orleans (T) 5/20 Darien (T) 5/20 Darien (T) 5/19 New Orleans (T) 5/19 Great Lakes 5/19 To Prof Alexanderson--(T) Re tests at New Brunswick.5/19	Test of transmitting equipment at Marconi High Power Station. Gives test schedule established. W To Bu Standards, Grt Lakes, New Orl--Instrns re carrying on tests.5/12 Darien T test not heard.5/14 To Darien--(T)Instrns re listening in.5/12 Great Lakes T.5/15 GE Co request instructions as to whom to address in connection with test 5/14 Darien T 5/16 M. Is T 5/16 Alexanderson T5/16 Great Lakes T 5/16 New Orleans T 5/17 To--(T)No signals report special test May 14.5/15 Darien R 5/17 Great Lakes T 5/17

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TESTS: RADIO. 1916

Number.	Date.	From or To—	Subject.
198228	9-2	To Yards. (T)	Gives schedules for tests. W Key West 9-3 Chas (R) gives radiation used 9/6
198621	9-7	To Atl Flt.	Directs comparative tests of 10 K.W. and 5 K.W. spark radio sets to obtain data on efficiency of for BS battle radio stations. W Atl Flt Bu letter not received by C-in-C until Nov 21st; believes test conducted at NY Yd in Oct 1916 furnished Bu with data desired 11/21
198231	9-8 To Darien)(R) Reppat Sunday Tests. 9/22	To Yards. (R)	Gives schedule of tests. W Chasn (R) 9-11 New Orleans unable to carry out test (R) 9-12 To-- (T) Repeat test of Wednesday 9/12 Darien (R) 9-18 Darien 9-18 (R) To Darien--(R) Sunday&s schedule. 9/16
199213	9-9	Bost Supt	Tests for establishing possibility of transmitting multiple radio signals from same arc set by 2 working waves from one arc transmitter; fwds sketches of arrgt of app antennae, etc. W To--Comments on.
199357	9-14	To Bost-Great Lks. (R)	Gives schedule for tests. W
200527	9/29	To Yards	Gives Schedules for tests. W San Fran reqt be sub for M.Is 10-16
201327	10-5	At Flt	Comparative test of 5 and 10 kw spark sets; PENNA and WYO; fwds report. W

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TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.
201640	10-1	Bu Standards	Audibility measuring, lengths and test; future reports will be obtained by nonresonance method of tuning.W
202340	10/16	Darien R	Special tests; fwds results.W
202589	7/25	Radio Aide B. F. Miessner	Fwds report on test of high frequency, variable resistance for use in radio test work.W To Wash--Fwds report of. Recommendations in should be followed. 10/17 RB 10-21
203287	9/30	Atl Flt	PENNA & WYOMING; radio spark sets; data on sheets on.W
203687	10-27	Simon, EJ T	Conducting radio test Garden City 4 PM Oct 27; request Newport, Bost, Washn listen in. W To Phila--Directs listen in. 10/27 (T) To--Phila and Wash heard no signals. 10/30
203838	10-28	Austin, Dr LW	German radio stations Nauen, and Eilvese; quantitative measurements of signals. W
205973	11-15	Fed Tel Co	Resume of tests arc apparatus; also reports on use of Kolster direction finder as transmitter.W. To--Acknowledges receipt of report. 11/28
206396	11-21 11-23	Surg. E. Thompson Director NC	Request authority conduct tests with Gunner Eaton for Fluid for arc sets, booster for audion.W Fwd Wash--Auth work. 12/1 To E.Thompson--Work auth. 12/1

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TESTS: RADIO.

1916

Number.	Date.	From or To—	Subject.	
186419	5/3	To Wash	Directs one filter type ultraudion control cabinet and storage battery be forwarded to Western Elec Co for test	876
186946	5/5	NY	Fire Island requires portable mast to make test in connection with radio compass	812
186395	5/6	To Atl Flt	Bu has requested shipment of bulbs to WYO from Wash; reqt test be made of	876
187167	5/7	TENNESSEE	Reports on radio ard tests between vessel and San Juan and Darien	835
188838	5/24	Mignon Wireless Corp	Request test of radio signalling receiving cabinet that will receive damped and undamped waves	898
	M.Is 11-18 Darien 11-25 New Orleans 11-14 Bost 11-14 San Juan 11-11 (R) NO 11-14 (R) Darien 11-11 (R)		M.Is (T) 11-10 Key West 11-7 San Juan 11-14 Chasn (R) 11-7 To New Orleans--Fwds copy of letter 5/27. 11/8 Arlington 11-1 Key West (T) no improv 11-6	
189066	5/27	To Yds & Canal Zone	Directs tests for improvement in arc radio apparatus. W	
	To Bost--Comments on report of test. 10/31 To Aero Sta--Directs experiments on be expedited. 10/31		San Juan no apparatus to cary on test 6-13 Guantanamo reports on 7/31 Bost summarizes test 10-26 To San Juan via NY--Reqt test be expedited. 10/31	CARD 29
191673	6-24	TO Norf & PENNA	Directs comparison of 10 kw of the PENNA with 5 kw on one of the BS	876
193277	7/6	At Com Sys	Reports experiments with new receiving apparatus consisting telephone relay and Edison phonograph; Sayville Radio Station	855

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TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.	
194077	7/12	Bost Supt	Recommends test between Bost and Wash stations to determine efficient wave lengths for communication between.W	
194406	7-24	To Bost.	Fwds copy Bu Standards' report on audibility test between Bost and Wash; directs test be repeated on Thursday. W Communication Office results 7/24 To Bost--Gives readings taking. 8/4	
194479	7-24	To Key West.	Gives schedule of tests. W To--(R) Repart Tuesday's test Wednesday. 7,25	
195666	7/25	Atl Flt	Report of Board ontest ofshort range radio sets using telephone sets as telegraph sets	902
196572	?	At Flt	Request audibility test b y Bureau Standards and various BS To--(R) Measurements will be taken by Bu Standards. 8/16 To--(R)Tests not heard today; will test again on 20th. 8/16 At Flt (R) BIRMINGHAM test begins Aug 20 8-18 To Atl Flt--(R)Gives audilility. 8/17 To Atl Flt--(R)Unable test Sunday; recommend day next week. 8/18 TO -- (R) 8-21 TO -- (R) 8-18 TO -- (T) 8-21 Bu Standards 8-22 To Supt. quotes report 8-23 WYO 8-28	
197626	8/24	C&R	50' wteaner 1621 assigned for testing radio apparatus, Norf Yd	611-1

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TESTS:

Number.	Date.	From or To—	Subject.	
187926	?	Bureau Standards, Radio Laboratory	Determination of energy in antennae for unit audibility with oscillating audion detector; tests to determine. W	
187916	4-27	Herndon, WR	Request permission to test his system of sending messages by radio thru the ground, with Arlington. ?W To--Directs test with Wash Yd. 5/17 To Wash--Instrns re test of. 5/17 Herndon will make test 5-19	
188012	5/16	To Atl Sub Flo	Underwater radio experiments: directs experiments be made to endeavor to effect radio communication between submerged submarines; asks which boat will make tests	907
188469	5/20	Darien R	Reqt authority to experiment with Hydrogen gas for use in arc chamber	851
194077	7-20	To Bost Radio Supt. (R)	Gives schedule of test. W	

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Number.	Date.	From or To—	Subject.	

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TESTS: RADIO:

Number.	Date.	From or To—	Subject.	
178819	2-11	To Marconi Wireless Co.	Arlington will transmit Sunday. W To--(R) Ditto. 2/17	
179240	2/16	To Atl & Pac Sub Flo's	SUBS; have requested shipment of radio audion receiving apparatus for; reqt report on after thorough trial	898
179258	2-8	At Flt	Establishes schedule for tests on ships equipped with arcs. W To--Reqt report showing radiation used at each of arc radio test. 2/19	
180018	2-25	To Marconi Wirelles Co	Arlington will transmit Sunday. W To--(R) Test message send Sunday 6,000 meters instead of 5750. W 2/28 To-- Will transmit Sunday. 3/4 To--Ditto. 3/10	
181139	2-28	At Fleet	Compilation of arc tests held by WYOMING with shore stations. W To Dept Via Rad Ser--Submits above. 3/13 RB 4/3	
181291	3-8	Cramps Co	Further results of test on Experimental apparatus on PORTER. W	
181637	3-5	UTAH	Reports on arc radio tests with other BS of fleet. W UTAH submits report 3-12 UTAH 3-19 UTAH 3-26 Utah 4-2	
182383	3-9	Spanish Embassy	Request test of a Cymaciograph at Arlington or Sayville. W. Fwd Dept--Satis to Bu to arrange a test on Sunday April 16th. 3/27 Dept copy of letter to Dept State 3-29 Operations arrangements made 4/4	
Dept test indefinitely postponed 4-15				

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TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.	
182633	3-25	Fed Tel Co T	Asks if can arrange radio test Darien transmitting Honolulu, 10,000 meters.W To--(R) Gives schedule. 3/25 To Darien--(R) Ditto. 3/25 Darien reports (T) 3-27 Darien (R) 3-28 Feb Co 3-28(T) To--(T) Monday test 79 amperes. 3/28 To Darien--Quotes tel from Fed Co on results of test of Mar. 27-28. 3/29 To Fed Tel--(T) Gives radiation.3/29	
185441	4-21	At Flt	Have directed TENNESSEE to cary on tests Sundays to test out arcs on various ships. W	
185690	4-21	At Flt	Fwds results of test ships 15 kw arc sets with shore stations. W	
185775	4-21	Cutting & Washington	Request NY be given permission to listen in while making test of aeroplane transmitting set. W Cytter & Washn 5-9 To--Bu will cooperate with. 5/2 Co gives description 5-5 To--Directs listen for signals. 5/17 To NY--Listen for test. 5/17 To--No signals rec'd by NY. 6/7	
		To--Offers add test. 7/13 To Bost--Directs inspect apparatus under manuf. 5/17 Cutting & Washn 5-19 Cutting & Washn 5-22 NY no results recom F.I. contin 5-25 Bost report on 6-10		
185516	4/26	To Phila	Bu has directed manuf of 25 receiver transfer switches at Wash; asks if yard can sparedetector relay for testat Wash	876
186650	4/29	Clark, G. H.	Telegraphones; prices submitted by the Telegraphone Co; recommendspurchase of instrument for test	909

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Number.	Date.	From or To—	Subject.	
169476	10-23	Supt Radio Bost	Annual tests; reports interference with business.W	
171628	11/15	NY Radio Sta	Reqt instructions relative to schedule of test; instructions not understood.W Fwd Rad Ser--Not informed as to instructions. 11/20	
172885	11-30	Phila Cramps Company	Fwds report on Submerged wireless test at with apparatur furnished for Congngham. W Phila fwds further 12-7 Phila 1-5	
173252	12/7	To Chas and San Juan R	SAN JUAN RADIO; gives schedule to be conducted after arc set is installed	835
173471	11 29 12-9	Featherstone, J.A. Ord	Reports on effect of high frequency oscillations from arc transmitters on metals in vicinity Reqt test to determine if danger of firing elec detonators and primers used on guns in service.W Ord copy of letter to Washn Yd 12-15 Fwd Ord 12/14	
174363	12/15	Guantanamo	Reports on tests at station, Dec. 5th and 6th; states at times arc appears to bubble.W	
175976	1-6 1-11	Faulk, H.L Jan- NY	Reqt permission to utilize aerial at New Orleans for testing. W Fwd New Orelans--Auth conduct tests.1/18 To Falk--Take up with New Orelans.1/18	
171682	11/19	To Phila	Radio antennae for TBDS; reqt report and recommendation to reduce the rolling tendency; desire use minimum weight of radio antennae possible without reducing radio efficeincy	875

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903 TESTS: RADIO:

Number.	Date.	From or To—	Subject.	
176011	1-12	To Aeronautics.	Aeroplace radio equipment; have reqtd shipment of four aero radio sets to Pensacola for use of the Aero service; gives instructions re installation; have reqtd New Orelans to detail Radio Gunner W?C.Bean to Pensacola to conduct experiments with sets. W To New Orelans--Re detail of Bean. 1/12 To S&A - Req for shipment. 1/12	
176261	1-11 1-14	Wireless Spec App Co Boston Office Supt Radio	Reqt that they be allowed to test out experimental apparatus at Bost yd ~~at various times.~~W Fwd Rad Ser--No objection to. 1/15 SRS 1-17	
176375	1-15	Pacific Reserve Fleet	Reports loading test carried out Pug Sd. W	
177111	1-24	Cramps	Tests on radio apparatus used underwater to detect presence of submarine craft; fwds reports on as carried on with radio apparatus of CONYNGHAM.W To Dept Via Sub Flo-C&R--Comments on.2/5 RB 3/20 To--Will give consideration. 2/5 ~~Phila (R) asks if vessel is to be held for tests of antennae 2/14~~	
Sub Flo not yet received 2p23 To Sub Flo--Fwds print. 3/2 Fwd Phila--3/22 RB 3/28 Fwd ~~Gen~~ Inspc Phila--3/29 RB 4/5 Nortono Lt HH personal letter re 4-26				
177537	1-26	~~FxxMrx&x~~ To Mr. Clifden. (Marcnoi Radio Sta Nova Scotia)	Will transmit continuous Sunday; arrangement test schedules land wire satis. To--(R) Gives schedule. 2/5	
178183	2-5	To War Dept.	States Bu has furnished Coast Artillery School with 25 copies of "Testing In structions" as requested. W To-Coast Artiller--Fwds copies. 2/28	
178183	1-25	Coast Art School	Request 25 copies of Testing Instructions.W	

TESTS: RADIO 1915

Number.	Date.	From or To—	Subject.	
156931	6-2	Pug.Sd	Radio observations for British Assoc.W	
155762	6-3	NY	FOREIGN SHIPS & STATIONS: Guatamela radio set;copies of corew and reports of tests	881
159435	6/26	At Flt	Radio direction finder; strategical problem emphasizes need of securing	898
159314	6/2	At Flt	Strategical problem No. 1; radio communication; reports on	493
159622	6-30	Pug.Sd	Radio observations for British Assoc. W	
163438	8-5	Lowenstein F.	Personal; Otulines test desires to have at NY. W	
164749	9-1	To Yards. See Other Side. To Bost--9/17 To Chas-Bost-CL-NY-Gives test.9/18 To Ditto 9/21 To Guantaamo--9/24 Bost 9/28 Key West 9/27	Radio test of arc stations, Atlantic Coast; gives schedule of. W Chasn Supt and Bu instrucns vary 9-10 To Chas--9/14 To Gregt Lakes--9/17 To WYOMING-- Substitute NEW YORK for Key West in radio tests. 9/15	
165658	9-10	Great Lakes Train Sta	Tests with arc apparatus; suggested arrgt.W Fwd Pac St Via Great Lakes--Arrange for test.9/16 RB 10/11	
165703	9-9	To New Orelans-Chas. R	Gives results of Thursday&s tests. W	
165771	9-14	Crenshaw T	Rec test; Darien transmitter will not be ready for test until Wednesday. W	
168254	10-12	To Pac Ct Rad Supt & New Orelans. (T)	Directs establish daily radio schedule.W	

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TESTS. RADIO. 903

Number.	Date.	From or To—	Subject.
165938	9-15	Guantanamo T	Reports tests carried out as per schedule 18 kw; reports commutator trouble; recommends against transmitter tests. W To--(R) Gives probable troubles of. 9/16
165749	9-16	To Bost. (R)	Result radio test Thursday; gives. W
166294	9/19	Pac Flt (R)	Reports on arc signals recd. W
166267	9/20	At Flt	Reports on arc signals recd. W
164749		See Other Side	Great Lakes-week ending Sept. 25. Ports 9-15 WYOMING 9/26 BU STANDARDS 9/26 SAN DIEGO 9/26 To Gunatanamo--(R) 10/1 9-30 At Fleet 10-1 Great Lakes ~~10-2~~ Chasn 10-2 Pac Flt 9-27 To Chass-- 1 0/2 Pg.Sd 9-27 Bu Standares, Key West 10-3 Washn 10-2 New Orleans 10-8 Guantanamo 10-1 hasn 10-15 To Guan 10-16 (R) To New Orleans-- 4/19 To Atl Flt--Continue tests. 6/27
166814	9-28 10-5	To Yards-Stations-Flts. San Diego T To Darien-(R) Gives wave lengths. 2/17	Weekly test continuous oscillation radio stations. W Bu letter received 10-5. To Darien-(R) Gives wave lenths. 2/7 Darien (R) 2-10 Darien 2-14 (R)

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TESTS: RADIO. 1915

Number.	Date.	From or To—	Subject.	
144487	1/14	To NY	Reqt representative be detailed to confer with Inspector of Lighthouse District at Thompkinsville with a view to arranging tests of installation on Ambrose Channel Light-Vessel	812
144983	1/19	Dept	Arc type radio apparatus: sums up excellent results SAN DIEGO and WEST VIRGINIA and Arlington; directs number of sets be procured for armored cruisers and vessels on distant service; also WYOMING & NEW YORK be completed prior to sailing of fleet	876
145313	1/12	NY	Fire Island Radio Station; relative to arrgts for test of Fire Island with Ambrose Channel light ship for fog signals	812
145430	1-19	Pug.Sd	Radio observations for British Society. W	
146875	2/10	Hepburn T	Sayville; make arrgt for test with Tesla coil	891
147242	1-12	Olongapo	Relative to conducting test with Marconi Sta at San Fran and Aaha.W	
148452	2-24	Pug Sd R	Observations for British Society. W	
143600	1-26	To Yards.	Fwds proposed plan for co-ordination of radio development at yards.	876
149429	3-10	Norf	Have no facilities for carrying out antennae experiments; recommends other experimental work be assigned. W	
	To-- NY	reqtd expedite.5/1	To--Comments on; authorizes to manuf spark gaps. 3/18. Norf lists apparatus reqd 4-29 Fwd NY-- 5/1 RB 5/17 Fwd Norf--5/19 RB 6/18	

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TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.	
150246	3-15	Pug.Sd	Report of observations for British soceity	
151195	3/31	NY	Report of test on measuring distance by means of radio signals in connection with whistle and submarine bell signals: test between Fire Island and Light Vessel 68	812
151659	4/2	Dept State	Re-arrgt fortest radio station in Guatemala	891
152657	4-13	Pug.Sd	Report of observations for British society. W	
153611	4-27	Harvard University	Reqt cooperation Newport station for making test.W To--Take up with Newport. 5/3 To Newport-- Fwds above. 5/3	
154421	5-3	Pug.Sd	Observations for British society	
154687	5-12	To Supt Radio.	Western Elec Co demonstating certain improved radio apparatus. (Copies retained by "W" division) Fwd Nav Intel-- 5/14 To Nav Intel--Gives data reqtd by Paris.6/7	
154900	5-12	Washn Yd Norf 6-8	Test of wireless controlled aerial torpedo; reqt loan of Coherers.W To--Apparatus obsolete: will make inquiry at other yards if it is available. 5/17 To Bost-M.is-Norf--Re above. 5/17 Bost 5-22 M.Is 5-23 To M.Is--Appvs est for repair to. 6/5 To S&A-- Reqt for shipment. 6/7	
156273	5/29	To M Is	Experimental work with radio arc set: directs investigation of the magnetic saturation of the field arc set	876

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1914

TESTS: RADIO.

Number.	Date.	From or To—	Subject.
125435	5/21	To E. E. Meyer	Please furnish Bureau with schedule and wave lengths transmitted by the Tuckerton radio station, that Bureau may make observations on their signals.W
125554	5/22	N.Acad.	Reports on radio tests between Annapolis and Army Portable set at Laurel, Md. W
127195	6/9	Chas.	Fwds observations for British Asso.for advance of science.W
127655	6/12	Pug.Sd. 17243	Fwds readio observation from British Asso. for advancement of science.W
128769	6-30	Sawyer, E.W. T	Reports on test arrgts New Castle, N.B. W
129224	7-3	Chasn	Fwds observatons ~~of~~ for British Assoc. for Advancement of Science.W To---ack receipt.7/10.
129200	7-3	Pug.Sd	ditto
131149	7-27 7-28	Tuckerton Radio Sta Supt Radio	Eilvese station; results of tests with; will visit Washington re poor results with tone wheel. W Retd Supt Radio 7/30

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TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.	
131917	8-8	Chasn	Observations for British Assoc Science. W	
131926	8-5	Pug.Sd	ditto	
132819	8-19	Pug.Sd	ditto	
133859	9-4	Chasn	ditto British thanks 9-18	
135601	9-5 9-24	British Assoc Adv Science Pug.Sd	Fwds blanks for further reports; Pug.Sd reqt additional operator if reports to be continued. W. Fwd R.S.-- 10/2 To PS-- Comments. 10/2	
136578	10-7	Chasn	Observations for British Assoc. W	
139941	11-14	Pug.Sd	Fwds above	
140555	11-27	To Hawaii. Cavite.	Reqt report on reception of signals from San Francisco and interference from Marconi station on Oahu. W Hawaii reports 12-14 Fwd Rad Ser-- 12/29 rb 13	
142878	12-19 12-23	Nat Elec Sig Co. Supt Rsdio	Test between Bost and Brook; reqt authority for representative to make certain measurements, etc Bost station. W	
(See below)		Co reqt action 1-12	Fwd Rad Ser--Bu has no objection. 1/2 rb 17	
142992	12-19	Pug.Sd	Observations for British Assoc. W	
142878	1-20	To Nat Elec Co	Test will be made at Bost. To Bost-- Authorizes test. 1/20 RB 9/25	

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TESTS: RADIO.

1913

Number.	Date.	From or To—	Subject.	
113890	12-29	Radio Elec Co	Receiver has been received.W	
		1914		
114072	12-30	At Flt	Kite experiments in Mexican waters; fwds sketch and gives results obtained.W	
114836	1-13	Clark, G.H. R	Suggests test Counterpoise Bu Standards Tuesday night. W	
115760	1-22	Galletti	Gives wave length,etc for test with Arlington.W	
117386	1-28	Universal Radio Syndicate	Reqt arrgts for test with Arlington.W To---requirements.2/11.	
117790	2-17	Austin, L.W.	sup tes Goldscmidt Radio Stations: Hanover, Germany: Reports test with by Arlington; was heard Feb 5 and 13. W	
117878	2-5 2-14 2-17	State Dept Supt Radio Dept	Gelletti system; directs arrgt be made for test between station at Leschaux, France.W Fwd Supt Radio 2/18 Ret Dept..2/25.	
118888	3/2	Fed Tel Co	Reports results of Honolulu, South City test March 1st; and schedule for next test	851

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TESTS: RADIO: 903

Number.	Date.	From or To—	Subject.	
120316	3-18	Norf R	Photos of test made by Partridge not complete.W	
120290	3/19	Austin, Fr. L. W.	Synopsis of tests be tween Laboratory and Wash. Jan and Feb.	897
120271	3/10	At Flt	Reports on test portable sets	897
120316	3/18	To Norf. R	Inform Clark, Paltridge requests payment on contract for photographs for certain deliveries. Asks if can certify these deliveries.W (R)to---Paltridge claims del.completed to extent of bill submitted.3/19. To Washn.fwds corres.for certification by Elec.in Charge.3/20. Clark further re 3-19	
120747	3/24	At Flt	Submits report on radio operations during European cruise; gives result of tests carried on.	493
120952	3/28	To Pug/Sd. & Chas.	Fwds set of forms published by British Asso. for Advancement of Science for use in the tabulation of observations re radio transmission. Instructions.W Chasn recommends be taken at Chasn instead of Jupiter 3-21 To Chas taking observations at Chas. appd.4/3. Pug.Sd reqt authority to use certain instruments for making observations Fwd Nav.rec appr.4/15.	4-10
125429	5/21	To Nav Acad R	Listen for Army portable radio set at Laurel, Md.W	

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[OVER.]

TESTS: RADIO

1913

Number.	Date.	From or To—	Subject.	
108883	10-23	At.Flt	Re schedule for tests with Arlington during ~~return~~ run to Europe. W	
108556	10/22	At.Flt	Med.Cruise, fwds copy of instruction covering radio work including schedule.	914
109274	11/1	Radio Electric Co.of Canada Society Francais Eelctrique	Unable to submit tender for 10 wireless receiving sets in time. Have ordered set shipped from French factory and asks that Bureau have same tested.W To---Set returned; below Naval Standard. 11/3 Company (T) reqt. Bu hold instrument 11-6 Company reqt. be shipped to Montreal. 11-12 To Radio E.C.of Canada request shipping instructions.11/12	
		Company states receiver must have been damaged furint transportation 11-10 (T)to Radio El.Co.new tests not advisable.1/15		
110063	11-7	AMMEN	Reqt. box kites, and wire for conducting test to determine increasing radius of TBDS.W To---via At.Torp.Flo.not desired to repeat experiments. Bu will publish results of,and furnish.11/13	
110214	11/13	To NY	Test of received signals from NO. DAKOTA. Orders have been requested for Meneratti to proceed Phila.in connection with test.W	
110285	11/13	To NY R	Supt authorizes test period 40 minutes beginning 3 p.m., between NY, Arlington and Bu.Standards; arr.with Marconi Wanamaker's station.W Directs during last minute each 5 minute period of 3 phase test send five second dashes.W	

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TESTS: RADIO 903

Number.	Date.	From or To—	Subject.	
110408	11-15	NY R	Reqt. permission to make 3 phase test NY, Arlington and Bu Standards 3:00 to 4:00 Nov 17. W (R)to---authorized; instructions.11/15	
110794	11-18	Radio Elec.Co of Canada BELOW Radio Elec.Co.	Reqt. receiving set be sent to Engrg Works care of SS ONTARIO, Rochester, N.Y To---has been shipped.12/1. 12/15.asks if set was returned.W To---arr for shipment has been made.12/19 To L.P.Siebold.request shipment.12/19 Siebold reqt investigation 12-20	BELOW
110723	11/18	To NY	Services Meneratti cannot be spared to continue N.DAKOTA tests. If advisable test between ship and Fire Island. Observer should be detailed from yard force.	898
111016	11/22	To Washn	Radio tests,to be conducted at yard by Dr.Austin Nov.24th, assisted by electricians from Bu.of Standards. Directs allow work to proceed.	
112606	11-5	Falletti, R.C.	Reqt arrgt for test between his French sta and Arlington; aerial suspended from cliffs over Phone river.W To---Bu willing to cooperate.12/16	
112798	12/15	Arlington	Fwds notes on test between ARLINGTON AND Atlantic Fleet.	841
110794		SEE ABOVE	To L.P.Siebold. Fwds invoice and shipping memorandum.12/23	

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[OVER.]

TESTS: RADIO.

1913

Number.	Date.	From or To—	Subject.
103848	8/16	Dept. 7586-157-3	Forwards corres. from Marine Corps stating that cost of sending test messages via Federal Telegraph Co. to Honolulu exceeds present rate via cable. K
103905	8-14	San Diego	Reports on signals, Arlington, Poulsen sys. W
104015	8-15	San Diego	ditto
104142	8-20	Colon	ditto
104202	8-22	Key West R	No signals. W
104216	8/23	To Colon R	If can install temporary low antenna over roofs without requiring official action part of Bureau, take immediate steps to complete same during present tests. W
104363	8-26	Colon	3000' antennae built in time for test Tuesday; are readable to-night. W
104672	8-30	Colon	Corrects height of temporary aerial for test; gives results. W

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TESTS 903

Number.	Date.	From or To—	Subject.	
104683	8/30	To NY	Directs sets of Wireless Imp Co. be not tested to their injury at wave lengths below 600.	876
105510	9-12	Colon R	Reqt. permission to take down temporary antennae used during Arlington Test.W To Colon (R) take down 9-12	
105559	9-2	Meneratti, H.J., C.Elecn	Submits reportfrom Colon on test with Paulsen system from Arlington; fwds sketch showing temporary antennae used.W	
106009	9-17	Austin, Dr. L.W.	Reports on tests carried on between Arlington and Colon July and Aug. W	
106959	9-19 9-29	Naval Attache, London Nav Intel	Poulsen experiments at Arlington; reqt. status of. W Ret Nav Intel.Fwds synopsis.10/8	
107143	10-1 10-4	Radio Elec.Co. of Canada Supt Radio	Offers to have demonstrating test of their system within 10 days.W To---willing to test at NY under usual conditions.10/7	
107361	9-19	DENVER T	ests between Colon and ship/ W To---Ack; commends.10/14	
107381	10/8	FLORIDA R	Reports on experimental radio installation	876
107716	10/13	Florida. R	Reports on test of experimental apparatus	876

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[OVER.]

TESTS: RADIO

1913

Number.	Date.	From or To—	Subject.
101127	6-24 7-9	Naval Attache, Paris Dept	Reports on radio tests between Paris and Washn.W Ret Dept.8/1.
101557	7-16	Federal Tel.Co. T	Test of Paulsen apparatus on JUPITER; have installed and reqt. authority to have man accompany vessel.W To Dept. Request authority to take men on board.7/16. BLRB722
101704	7-16	Bost R	Have heard no signals from Arlington; if test to continue;reqt. ticker be sent.W To -- R -- None available, may discontinue ard schedule 7/17
101808	7-15	Key West	Paulsen system tests; unable to hear any signa s.W To---M.J.Meneratti has been ordered to assist in test.7/19
101802	7/19	To S&A	Requestshipment of Federal Tel.Co.receiver Washn yard to Key West.W
101931	7/21	To S&A	Experimental radio apparatus; request shipment from Washn to Key West.W
102295	5-19 7-5	Federatl Tel.Co. Dept 7586-107	Reqt. portion of Govn business to Honolulu in order to test out system.W Fwd S&A.7/29.
102311	7-24	MICHIGAN	Reports on test of PAULSEN arc system. W

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TESTS: RADIO. 903

Number.	Date.	From or To—	Subject.	
102496	7/29	To Colon & S&A	Tests of Poulsen arc set at Arlington; H.J.Meneratti has been ordered to Colon for duty with tests. Request shipment of apparatus.W	
102853	7-29 8-1	Clark, G.H. Washn	Test and experimental work; reqt. authority to employ outside photographer to make necessary photographs,etc.W Fwd Washn.will approve recn for 8/5 RB 8-26	
No No.	8/29	To Wash.Yd.	Dept.directs work be held in abeyance 8/29	
102861	7-29	San Diego	Reports on Arlington Paulsen test. W	
103009	8-4	BAILEY	Submits list of apparatus on board not on charge used during recent test; reqt. instructions re disposition.W To---& S&A,request shipment to Washn. for Arlington.8/7	
103063	8-2	Mineratti, H.J.	Reports on measurements taken at Key West. in connection test Poulser sys.W	
103146	8/7	To U.S.Despatch Agent, New York	13 cases in New York addressed to Arlington station. Property of Universal Radio Syndicate and not of Government.W	
103330	8-28	Helgesen, Hon. H.T.	Reqt. copy of reports on radio experiments.W To---Su has hone.8/11.	
103658	8-9	San Diego	Paulsen test; no signals.W	
103811	7-10	San Diego	Reports on signals, Paulsen set.W	

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TESTS: RADIO

Number.	Date.	From or To—	Subject.
94440	4-8	BAILEY	Reqt. authority to return condenser used in test to Naval Laboratory. W. To---via N.Acad.& S&A.Request shipment. 4/10 RB 4-18 S&A 4/17 directings given; gives method of charging.W Fwd.Wash 4/18 Fwd.BAILEY--4/18 RB 4-28 Fwd S&A 4/23 To S&A.reqst shipment.5/15.
97086	5/12	To Dept	Radio tests in co-operation with British government; calls attention to correspondence had in February. Bureau has received no further information as to any arrangements.W
97770	5-19	Nav.Acad	Tests conducted on BAILEY and STRINGHAM; fwds notes of Lt. Hooper.W
97915	5-21	Federal Tel.Co. T	Test of Paulsen generator at Arlington; objects to on account of patent situation and reqt. matter be held up.W.
98036	4-30	Count Arco	Personal letter to Dr. Austin relative to test between Nauen, and Arlington; gives results ofrecent tests by German Govn and ~~comment~~commercial firms.W
98363	5-20 5-24	State Dept Dept	Test with Great Britain; have communicated with British Embassy re definite arrangements.W Fwd Dept.5/29.
98386	5-22	Federal Tel.Co.	Gives reasons for objecting to test of Paulson apparatus at Arlington, for British Government.W To---comments.5/31.

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TESTS. RADIO 903

Number.	Date.	From or To—	Subject.	
99341	5-24 6-10	Naval Attache Paris Nav. Intel	Fwds report of French officers ~~on~~ recently in American in connection with prelim. experiments between Paris and Arlington to determine difference in longitude. W Fwd Dept. 6/13.	
99733	6/3	Supt. Pac. Coast Radio Sta	Test between ARLINGTON & Pacific Coast stations, unsatisfactory during week due to heavy interference.	841
100158	6-5 6-21	American Emb. London Supt, Radio	British Paulson Co. have sent engineer to make test; will remove apparatus from US after tests are completed. W Fwd. Nav. Intell. via Supt Radio. with comments. 6/24.	
100208	6-23	At. Flt	Kite experiments; recommends ships in Mexican waters make. W To---Will furnish Commander of 2d Div. with data. 6/25. To---Fwds copy of report of experiments, SALEM. 6/26.	
100421	6-27	M. Is	Federal Tel. Co. cannot arrange night schedule for test, gives day schedulearranged. W	
100316	6/26	To M. Is. T	Request Federal Co. transmit 20 minutes beginning 4 a.m. and 15 minutes 11 a.m., Washn time. W	
100935	7/7	TO LOUISIANA: MICHIGAN: Colon, Key West, New Orleans, Bost. CL	(Radiogram) Arlington sends Poulsen system on 4000 meters daily except Sunday; gives time. Directs report daily shunt readings. W To---addtl comment and instructions. 7/10. (R) to Key West, reports important; only one received. 7/12. MICHIGAN8-4	

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TESTS: RADIO. 1913

Number.	Date.	From or To—	Subject.
90641	2/19	To M.Is.	Charges to "Wireless Experiments." Report of expenditures for Jan.makes charge of $964.03 to EofV. Asks what experiments consisted of.W RB 3-19 Fwd S&A.Re changing term to "Radio Working Party".4/25.
91297	2/24 2/27	State Dept. Dept. 12479-621	Trans-Atlantic test; British Govt requests co-operation.W Ret Dept.with rec.3/5.
91418	2/28	Guy Hill	Federal Telegraph Co's Poulsen sets; makes comparisons between results of tests and experiments with apparatus of other companies.W
91592	2-26	M.Is	Submits additional data on secret investigation of messages Federal Tel. Co. between Honolulu and San Francisco. W.
91736	2-17 2-27	Honolulu M.Is 2541	Federal telegraph Co. Reports on messages.W.
92293	3-12	M.Is T	Federal Tel. Co. services with Honolulu regular and reliable at night, day communication possible under favorable conditions.W
92470	3/14	To Norf. & Phila. R	Instructions for sending signals for test of experimental apparatus at Washn yard, Mar 14th.W

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TESTS: RADIO: 903

Number.	Date.	From or To—	Subject.
92728	3-12	M. Is 3139	Federal Telegraph Co. Report on investigation of communication between California and Honolulu; fwds test messages sent and received and newspaper showing large amount of work carried on. W.
92538	3-1	Pac. Flt	Radio communication in Pacific; reports difficulty in raising Point Loma altho communicate via Pt. Arguella; reports COLORADO intercepted message while off Manziello being sent from Honolulu. Ref. Dept. Outlines Bu. plan for improving; considers report against Pt. Loma not of sufficient importance to change location of station. 3-18
93194	3-23	At. Flt	Reqt. authority to transfer Bellini Tosi direction finder from BAILEY to Flag Ship for further test. W. (R) To-auth. 3/24
93517	3/13 3/25 3/27	Dept of State Supt of Radio Serv. Dept.	British Govt requests cooperation of U.S. in carrying out radio tests across the Atlantic. W Ret Dept. Noted. 3/28.
93606	3/28	To Arlington via Supt of Radio	Desires permission be granted Mr. Theo. R. Lemke, Amp rep. of Goldschmidt high frequency system of radio-telegraphy, to carry out tests at Arlington in receiving signals from station at Hanover, Germany Mar. 30 and 31st. W

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TESTS: RADIO

Number.	Date.	From or To—	Subject.
82722	11-14	Ports	BAILEY; report on. Week 11-9. W
83124	11-20	Exp.Sta	Fwds BAILEY report week 11-16. W
84013	11-29	Exp.Sta 1815	We kly report tests; BAILEY. W Fwd NY.for reference to Mr.Lowenstein. Request comment on par.4.12/3. R B 12-13 Fwd BAILEY via----.Asks as to sparing transformer for repairs.12/16.R B 12-21 To BAILEY thru.N.Acad.Will be taken up on Mr.Lowenstein's return.12/23.
85029	12-11	Exp.Sta	Weekly report test week 11-2. W
85030	12-11	Exp.Sta	Weekly report test week 12-7. W
85031	12-11	Exp.Sta	ditto week 11-30. W.
85817	12-21	Exp.Sta	Fwds covering BAILEY. W.
			1913
86792	1-4	Exp.Sta	Week ending 12-28, BAILEY. W
86980	1/8	Expr.Sta. 24	BAILEY radio experiments; report for week ending Jan.4th.W

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TESTS: RADIO 903

1913

Number.	Date.	From or To—	Subject.	
87603	1-14	Exp.Sta 62	Week engine Jan 11st; BAILEY.W	
87998	1-18	Wireless Imp.Co.	Asks that 10 kw quenched gap and resonance transformer be tested on Scout cruisers during Arlington tests.W. To---To Nat.Elec.Sig.Co.Request their desires in the matter.1/20.	
87912	1/20	To M.Is.	Radio service for official messages from Honolulu to San Francisco. Use of Federal Telegraph Company's radio. in stead of cable. Requests report.W (For Secy's sig.) M.Is. reports failure to carry out 2-8 To---request more report.2/18.	
88254	1-21	Nat.Elec.Sig.Co.	Enters objections to testing apparatus of Wireless Imp.Co. during test Arlington Sta.W. To Wireless Imp.Co.Advises.1/22. To---Ack.1/22.	
88303	1-22	Exp.Sta	BAILEY; experimental work; week engine 1-18.W.	
88859	1-28	Exp.Sta	ditto for.W.	
89815	2/1	At. Flt	Reports on result of radio tests on fleet during Jan.	493
90443	1/28 2/15	Hawaii Dept.	Fwds corres.re proposed test Federal Telegraph Co's.W	
90629	2-12	M.Is 1952	Reports on test of Paulson receiving set installed at San Diego by Federal Tel.Co. Favorable. W. To---Reqst submit recn.2/20.	
90608	1-28	Cavite	Reqt. books, pamphlets, which relate to. W Fwd NY,directs furnish.2/19 R.R.3.8 To---NY will furnish when completed.3/8.	

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TESTS: WIRELESS.

Number.	Date.	From or To—	Subject.
75455	8/7	Expr.Sta. 1198	Fwds STRINGHAM'S report on radio tests for week ending July 27th.covering Bellini-Tosi direction finder.W
75454	8/7	Expr Sta. 272	Fwds STRINGHAM'S report on aeroplane radio tests.W Fwd Capt.Chambers,Navgn.8/12.
75669	8/12	Expr.Sta. 1215	Fwds STRINGHAM'S weekly report on wireless tests of Bellini-Tosi direction finder.W To-Bailey via Tor.Group. req wavelengths.10/12
76225	8/19	Expr.Sta. 1253	BAILEY;reports no radio test during week.W
76854	8/27	Expr.Sta.	No wireless tests during week due to absence of STRINGHAM.W
76853	8/26 8/27	STRINGHAM Expr.Sta.	Reports on distance radio set between STRINGHAM and BAILEY.W 180 miles with 40-ft. aerial: 300 with 60-ft aerial.W
76962	8/26 8/28	BAILEY EXPR.STA.	Radio tests; non held due to absence of of STRINGHAM.W

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TESTS: WIRELESS: 903 1912

Number.	Date.	From or To—	Subject.
78017	9-12	Exp.Sta p	Fwds BAILEY'S report on. W
78018	9-12	Exp.Sta	Fwds STRINGHAM'S report on. W
78432	9-19	Exo.Sta 1400	Fwds report week enging 9-14; BAILEY. W
79090	9-26	Exp.Sta 1436	Weekly report; Bellini-Tosi direction finder.W
78972	9/27	To Wash	Asks if TALBOT is availbie for test of a low-power radio set.
79657	10-2 10-2	BAILEY: Exp.Sta	Weekly report; no work done. W
79973	10-9	Exp.Sta	BAILEY: no work done.W
80779	10-22	Exp.Sta	Bellini;Tosi direction finder; wave length used during test 600 meters. W
80871	10-22	Exp.Sta	Week ending 10-19; BAILEY. W
80872	10-22	Exp.Sta	Week ending 10-12. BAILEY. W
81604	11-1	Exp.Sta	Weekly report. BAILEY.W Fwd Jarvis, for information 11/5 RB 11-9 Ret---11/11. RB 11-18

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TESTS: WIRELESS.

Number.	Date.	From or To—	Subject.	
70694	6/8	To At.Flt. W	Bu conducting experiments on Potomac. Fleet's radio interferes seriously. Directs use reduced power.W	
70917	6/11	To Dept.	Asks when Submarines E-1, E-2, C-4 and C-5 will be available for tests of their radio outfits in conn.with STRINGHAM and BAILEY.W Fwd Dept.status of tests.6/15 BLRB 7-11 Fwd Navgn.re orders for officers.7-18 Fwd Dept 7-18 BLRB 7-30	
71343	6-10	Exo.Sta	Weekly report. W	
71696	6-18 6-20	BAILEY Exp.Sta	Experiments with kites.W	
71702	6-20	Exp.Sta	Weekly report.N.	
71890	6-20	NY Radio Sta	Reports on tests with Radio-laboratory at Washington. W	
72025	6/25	To NY	Bellini-Tosi app: upon completion of antenna and fittings, directs prepare for shipment to Expr.Sta.for test by STRINGHAM and BAILEY.898	
72428	6/28	NY	Reports on test of transformer and 10 kw enclosed spark gap furnished by Wireless Imp.Co.for Key West.	898
73841	7/17	G.H.Clark	Reports on, made on the MAYFLOWER to determine effect of grounding of metallic rigging in connection with sending and receiving of messages.W	

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TESTS: WIRELESS. 903

1912

Number.	Date.	From or To—	Subject.	
74019	7/20	Expr.Sta.	Reports on aeroplane radio tests, week ending July 13th.W	
74110	7/22	Expr.Sta. 1114	Sounding machine; asks if kite experiments are completed. If so, will be ##turned in.W **To--To be turned in 7/24**	
74086	7/23	Dept. 27663-34	Fwds copy of letter to STRINGHAM and BAILEY re radio tests.W	
74297	7/25	Expr.Sta. 272	Report of aeroplane radio tests week ending July 20th. W	
74277	7/23	Expr.Sta. 1121	Fwds radio tests week ending July 20th.W	
74595	7/27 7/29	BAILEY Expr.Sta.	Recommends test of Falk Wireless Co. apparatus be cancelled. Apparatus not yet received.W **Ref Academy-Test may be stricken from list 8/5**	
74374	7/27	To Sub.Torp.Flo.	Radio tests to be carried out by Subs. E-1 and E-2 in conjunction with STRINGHAM; Gives information re.W	
75168	**8/2**	**NY**	**APPAR. fwds report of test of wireless app. delivered by MARCONI, TELEFUNKEN, GARWOOD, WIRELESS IMP. Co. and LOWENSTEIN, and makes recommendations for requirements for future contracts.**	876

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TESTS, wireless.

Number.	Date.	From or To—	Subject.
66431	4/16	To Washn.	Proposed tests between Washn and STRINGHAM or BAILEY with kite aerial; instructions.W
66630	4-13	Marconi Co NT	Makes appointment for Thursday morning. W
66628	4-15	N.Radio Lab. Bu of S.	Reports test of the Marconi 2 kw quenched gap set.W
66674	4-18	Marconi Co	Introducing engineers who will witness final test 2 kw quenched set at Bu.Standards.W To---Report will be furnished at early date.4/20.
66742	4-18	Exp.Sta	Fwds report wireless tests BAILEY. W
67225	4/24	Expr.Sta.	Fwds report of weekly tests.W
67767	4-30	Exp.Sta 121	Reports wirelesstests weekly, Apr.22.W
68419	5/9	Expr.Sta. 704	Weekly report of tests. W
68948	5-16	Exp.Sta 737	Weekly report.W
68951	5-15	Wireless Imp.Co	Reports on test of 10 kw quenched spark app. at New York in conjunction set at Key West and rept. additional test. W To---Ack.5/18.

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TESTS. WIRELESS. 903 1912

Number.	Date.	From or To—	Subject.	
68892	5/16	To Expr Sta.	Directs STRINGHAM and BAILEY take shunt readings on two sparks to be sent from Bu Standards the 17th. W	
69374	3/21	Salem	ATLANTIC: reports on wireless experiments; fwdsd by personal letter to Chief.	493
69606	5/23	Expr.Sta.	Weekly report.W	
70049	5-28	Exp.Sta	Weekly report.W	
70117	5-31	NY	Fwds report from Fire Island stating no notice received to send test signals to Bu. Standards or Washn. was in communication 26th inst.W To---Tests will begin the 2d. 6/1.	
70232	6/3	To Dept.	Requests STRINGHAM be ordered to Washn yd in connection with radio tests.W	
70422	6/4	Wireless Improvement Co.	Test of 10-KW quench gap; recommends placing one on BIRMINGHAM and SALEM for further test.L To---appropriation not sufficient.6/7.	
70727	6-8	Exp.Sta	Weekly report.W	
70864	6-3	NY Radio Sta	Reports on tests from radio laboratory, Bu. Standards. W	

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Number.	Date.	From or To—	Subject.	
65000	3/30	To At.Flt	TARGET PRACTICE, reqt results so far as concerns radio telegraphy.	749
65220	4/2	To N.Acad. W	Test between 11 and noon; instruct BAILEY stand by to send on tune F or J, same hr. Q K will make radio request.W	
65359	4-3	Exp.Sta	Weekly report on BAILEY. W	
65334	4-2	Nat.Elec.Sig.Co	Have completed tests between Brooklyn, Beaufort, Charleston. W	
65430	4-4	Exp.Sta	Reports on with BAILEY. W	
65293	4/4	To Norf,Phila,Washn,N. Acad.	Tests between radio stations and Bureau of Standards naval radio laboratory; instructions.W To NY.Instructions for test.5/22.	
65590	4-4	Radio Lab.Bu.Standards	Reports shunt readings taken during test of transmitters at NY Yd.W To NY.Gives results of shunts.4/9.	
65919	4-9	Exp.Sta 514	Recomm nds dis-continuing of except those relating to kites.W To---Directs be discontinued.4/11.	
66039	4-7	A t.Flt	Fwds reports from vessels rel tive to tests made during target practice.W Fwd Dept. 574.	

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TESTS: WIRELESS 903 1912

Number.	Date.	From or To—	Subject.
66114	4-10	Exp.Sta 560	Weekly report on BAILEY.W
66132	4-12	Hooper, Lt.S.C.	Reports on radio telegraph At.Fleet spring target practice.W
66262	4-12	Navgn, C&L	Reqt. induction coil sent by NY Coil Co for experiments on BAILEY be returned to Company.W Fwd Expr.Sta.Directs shipment of coil to N.Y.Coil Co.4/15. RB 4-25
66172	4/12	To Marconi W.T.Co.	2-kw quenched gap has been set up and prel. tests made: requests representative witness final test.W
66263	4/13	To Expr.Sta and S&A	Request shipment of one Wireless Specialty App.Co.air condenser from Washn yard to Expr.Sta. for use in conn.with radio outfit of BALIEY. W
66446	4-3	C&L	Fwds report on test made by wireless ship inspector San Francisco.W Fwd Dept.4/17.
66485	4-16	Radio Laborator Bu.S.	Submits reports on Wireless Spec. wavemeter reqt.by BAILEY in connection with test.W Fwd BAILEY thru Expr.Sta.4/17. RB 4-28
66514	4-17	Marconi Co	Commander Todd agrees postpone test another day.W

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[OVER.]

TESTS: WIRELESS 1912

Number.	Date.	From or To—	Subject.	
63475	3-12	Nat. Elec.Sig.Co.	Reqt. test be arranged for Beaufort and Charleston for testing out new 10 kw set being built at Brooklyn shop. W To---; Norf,Chas. Instructions issued.3/15.	
63564	3-12	Exp.Sta 414	Reports on wireless test.Mch.9th.W	
63602	3/13	To Washn.	Bu.recn.280 for fan for experimental radio purposes: fwds copy. Direcs when received be fwd to Bu.of Standards.W	
63634	3/12	NY	APPARATUS:reports on test wireless sets, Garwood, Wireless Improvement, Telefunken, & Marconi, suggests scope of Agrees to terms of test.3-18	876
64008	3-18	Exp.Sta 438	Fwds report on test Marconi 10" sending coil made by BAILEY. W To Marconi W.T.Co.Gives results of test.3/20.	
64179	3-20	Exp.Sta 449	Fwds reports from BAILEY.W	
64180	3-21	Marconi W.T.Co	Ack. receipt report test of Transmitting coil: disagrees with Bureau suggestions for improvement.W To---Fwd BAILEY for comment.3/22. RBS-29	OVER
64191	3-9	Clark, G.H. 2757-15	Fwds report on test of transmitter wave lengths fromMARYLAND to Station Colon.W	
64310	3-21	Nat.Elec.Sig.Co T	Gives time for listening in,etc.W (W)to Chas.& Beaufort. Instructions.3/22.	

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TESTS: WIRELESS: 903

Number.	Date.	From or To—	Subject.	
64372	3-23	Beaufort	Repots result of. W	
64450	3-23	Beaufort	Fwds copy messages received from NY. W	
64308	3-22	Marconi Co	Mails additional valve; complains sets are being compared with mugh higher priced ones.W To---Ack.receipt of.3/26.	876
64385	3/23	Chas. T	Reports on wireless tests.W (T) to Nat.Elec.Sig.Co. Quotes Beaufort's report.3/23.	
64516	3/25	To NY T	Directs repeat sending tests Marconi set the 26th at 3.00 P.M. W	
64961	3/23	Expr.Sta.	Fwds tests week ending March 23.W	
64963	3/29	Nat.Elec.Sig.Co.	Fwds copy telegram to Chief Operator, Beaufort, re tests.W FWDNorf. approves action.3/30. RB 4-4,	
65038	3-19	Northhead Sta	Reports hearing SS PRESIDENT with auxiliary wireles set at distance 187 miles. W	
64180	3/30	SEE OTHER SIDE	To Marconi W.T.Co. Radio transmitter, fwds extract from report of BAILEY.3/30.	

NB—0120

[OVER.]

TESTS: WIRELESS:

Number.	Date.	From or To—	Subject.	
59085	1/19	Exp.Sta 120 File 131	Fwds report from BAILEY on results oftest of Wireless Specialty I.P.-S.C. receiver .W	
59461	1 /23	Exp.Sta	Reports on test of BAILEY. W	
60072	1/30	Exp.Sta 172	Fwds report on wireless tests from BAILEY. W	
60507	2/5	CALIFORNIA. W	Directs conduct wireless tests Mare Island two successive navy half hours each night.W	
60599	2-6	Navgn	Quotes letter from HANNIBAL re night test. W	
60599	2/7	To Key West & Gaantanamo:	Directs conduct night wireless tests with each other, using wave length of 3000 meters or greater.W Fwd Key West.for information.2/10. NB 2-19 To Nav.Quotes Key West's reply.2/20. (W)to Key West.Directs make further attempts with HANNIBAL. 2/28	OVER
60980	2-9	Exp.Sta	Fwds report of BAILEY on Tests. W	
61027	2-9	BAILEY;	Experimental work; reqt. 4 additional inductance coils for use with Fessenden 2 kw set. W To NY.Directs 4 induction coils be shipped to vessel.2/12. To NY.Directs furnish STRINGHAM with addtl coils.2/14.	
61120	2-12	Exp.Sta 267	Fwds wireless tests report from BAILEY.W	
61319	2-14	STRINGHAM	Reqt. R.U. coil for oscillation transformer for use during test.W To---thru.N.Acad. NY to furnish addtl coils.2/16.	

N.S.E. Form 134.

TESTS: WIRELESS. 903

Number.	Date.	From or To—	Subject.
61401	2/16	To NY T	Directs sent test letter D for 10 minutes 3 p.m. using Wireless Improvement Co's panel set. Report radiation; inform commercial stations. W
61408	1-6	Clark, Geo.H.	Reports results ofreading made on board SS Alliance enroute NY to Panama. W
62035	2-23	Exp.Sta	Fwds report on made by BAILEY & STRINGHAM. W
62226	2-27	Exp.Sta 351	Reports on. W
62361	2-29	Pensacola	Have had communication with HANNIBAL every night ~~sin~~ except 2. W
60599		SEE OTHER SIDE	(W) to Pensacola: reqst report if able to get night communication with HANNIBAL. 2/28.
62362	2/29	To NY T	Directs send test letter "D" for 10 minutes at 3 p.m., using 5-K.W. set now under test. W
No #	3/2	To S&A	BAILEY ship's regn.#14, for 10 jars, standard condenser, obtained from Wireless Spe.Co; reasons for purchase. W
63099	3-7	Exp.Sta	Reports on. W.
63236	3-5	Key West	Test with HANNIBAL; unable to communicate with. W Fwd Nav.3/12. BB 3-21

NB—0120

[OVER.]

903

TESTS: WIRELESS.

Number.	Date.	From or To—	Subject.
56605	12/20	To Exp.Sta.	Reqt test by STRINGHAM or BAILEY, of receiving by means of an aerial supported by a kite and by ordinary ship's aerial. W
56714	12/21	To N.Acad (W)	Continue test of aux. shipp app., using parallel spark gap, zinc or brass cylinders, 1/2 or 3/4 inches diameter, use wave length 300 meters; report number of watts obtained from battery and current in aerial. W
56932	12/22	Expr.Sta. 2386	Reports on wireless tests.W
57046	12/27	To W.D.Terrell (T) Custom House, N.Y.	Directs ship to Annapolis duplicate Edison battery outfit for test aux. wireless app. by STRINGHAM & BAILEY; Commissioner of Navigation agrees. W
57182	12/28	To N.Acad (W)	Undertake distance tests aux. ship app. at discretion. STRINGHAM need not be retained until receipt of additional coils or batteries. W
57322	12/28	Exp.Sta 2413	Reports on wireless tests.W.
57328	12/28	Navgn 8880	Have i sued instructions to ship sounding machine to BAILEY for use in. W. To Expr.Sta. Advising. Reqn 213 disappd.1/3.

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TESTS: WIRELESS: 903.

1912

Number.	Date.	From or To—	Subject.
57494	1/2	To N.Acad.	Bureau desires tests from time to time between naval wireless laboratory at Bureau of Standards, wireless station at Naval Academy, and STRINGHAM and BAILEY.W
57705	1/2	Exp.Sta	Weekly report, BAILEY. W Adenda to. 1/4
57871	1/6	To N.Acad. T	Requests BAILEY be directed to send test letter D for 15 minutes at 3 P.M. the 6th.W
58259	1/8	Exp.Sta 62	Fwds report on tests/ STRINGHAM. 112 miles.W
58267	1/9	Exp.Sta 71	Wireless test of BAILEY; weekly report.W Suggestions for further tests. 1/12 BAILEY
58326	1/12	To Expr. Sta.	Directs tests between Annapolis station and BAILEY to ascertain practicability of using small portable receiver for receipt of tactical signals from flagship.W
58805	1/16	BAILEY	Reports on test with 10' aerial.W
58868	1/16	Exp.Sta	Reports from BAILEY; suspended during week; frozen in ice. W
58845	1/17	To Bost.	Repair of wireless apparatus directed; 2 items.W Unable to locate.1/22 To---Letter 17th addressed in error.2/1. To Washn.Instructions to repair.2/1.

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[OVER.]

TESTS: WIRELESS:

Number.	Date.	From or To—	Subject.	
✓ 53448	11/11	NY	Have no wireless apparatus availaboe for experimental work; elec. school has old Sibby Arco set. W	
54304	11/23	To S&A & Wash	APPARATUS: reqt shipment to Wash. from N.Y. one 1-kw set complete for test. Reqn #82. In lieu of test intended for NY	876
54663	11/24	Nav.	PORTS: gives distance from station of certain Atlantic Liners in connection with test of MARCONI apparatus at hat station	832
54754	11/18	C.O.	MARYLAND: report on	280--6
54675	11/28	To Chas.	LIGHT ship 94, reqt comparative tests be made of the strength of signals sent by, using tunn F and the C	678
54892	11/29	To NY	REQ: directs test of two 5-kw induction coils and 10-kw quenched spark gap from Wireless Spec.App Co. In connection with supplying for Key West	898
✓ 55082	12/2	Expr.Sta.	STRINGHAM & BAILEY: Wireless tests; Rec. be not used for until after Dec.12th, due to cruise of vessels helping with subaqueous coal test.W&S	

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TESTS 903

Number.	Date.	From or To—	Subject.	
54981	11/17	C.O.	S.DAKOTA: reports on	408--6
55148	12/4	Dept. 27468-1-304	Reports on wireless tests carried out by Pacific Fleet.W	
55481	12/7	Expr.Sta. 2237	Wireless test on STRINGHAM & BAILEY for Dept.of C&L; unable to dispense with services of members of crew until after Dec.16th.W To--Noted, C&L informed.12/11.	
55787	12/9	Expr.Sta. 2290	Relative to delay in wireless tests by STRINGHAM & BAILEY due to test of sub-aqueous coal; latter test expected to be completed Dec.20th, P.M. W&F To-Directs tests of wireless when coal tests are concluded and gives instrns.	12/16.
56151	12/13	STRINGHAM	& BAILEY: Weekly report of wireless work.W	
56410	12/18	To NY	Clark, G.H.: ordered to NY for special temp. duty, thence to Colon; directs deliver to him, one wireless receiver, and invoice to Colon.	
		To United W.T.Co. & Master, "ALLIANCA".	Rect that MR.Clark be permitted to use apparatus, while en route to Colon, of "ALLIANCA" for communication with naval shore stations. United W.T.Co.12/19, Agrees to.W To--Ack.12/22. Panama RR Co.12/20. Agrees.W To-Ack.12/21.	
56504	12/19	To Nav	Rect assignment of sounding machine (Lord Kelvin #3409) to BAILEY, for use in wireless kite experiments. W	
56619	12/19	To Nav Acad (W)	Instruct STRINGHAM or BAILEY when on wireless tests listen for SS MADISON, and note greatest distance of MADISON signal recd. W To (W)-Listen for calls if working in Chesapeake Bay.	12/20.

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[OVER.]

TESTS: WIRELESS:

Number.	Date.	From or To—	Subject.	
50052	10/2	TO S&A & BAILEY	Orders shipment of 3000' bronze antennae wire from NY. W S&A reports shipment from Bost.10/4 Fwd NY.10/10. Fwd S&A. Noted.10/10.	
50318	10/5	S&A (to)	Reqt. shipment o der be issued covering sets to Phila for test there.W	
50425	9/30	BAILEY:	Reports on wireless experimental work for week ending Sept.30.W.	
50503	10/7	Dept 22468-E.277	Fwds printed copies of reports on made by At.Fleet during target practice.W. Fwd Expr. Sta. Fwds reports for comment of Ensign C.H.Maddox. 10/13. RB 12-2	
50633	10/8	STRINGHAM	Weekly report tests. W	
50629	10/7	BAILEY	Weekly report. W	
51231	10/14	STRINGHAM	Weekly report tests. W	
51248	10/17	TO Washn	Reqt. authority to be given for Chief Elecn. from Laboratory to make test at Yard. W To---Further instructions.10/21.	
51403	10/16	BAILEY:	Reports on tests. W	
51415	10/19	TO Nav.Acad. T	Asks if kites for experimental work can be carried on Saturday. Dr.Austin will be on hand. W (T)--Reqst inform STRINGHAM Dr.Austin will not be over the 21st. 10/20.	

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TESTS: WIRELESS: 903

Number.	Date.	From or To—	Subject.	
51606	10/19	Nav.Acad	BAILEY; left yesterday for Norf. STRINGHAM can udertake tests with kites, W.	
51766	10/21	STRINGHAM	Reports on. W	
51884	10/24	To N.Acad. W	Directs authorize representatives Falk-McMahon Wireless Co. inspect STRINGHAM re proposed test of apparatus. W	
52455	11/1	To NY	Coherers; asks if there is a set in stock.	
52477	10/28	C & L.	GEN-SET-BATTERIES: for wireless, asks if Bureau will assist in test of.	882--1
52712	11/4	To NY	Transformer, two kilowatt, 60-cycle; Asks if there is one at yard available for experimental purposes at Washn Yd. W	
53041	11/8	NY 4 5079	Reports 2 transformers in store available for testing purposes. W To---Shipmt will not be requested at present.11/17.	
53110	11/9	To Dept	STRINGHAM & BAILEY: proposed, of aux.wireless app. for Dept.C&L; reqt rep. of C&L be present, and that storage batteries and induction coils be furnished. W To C&L-Available after Dec. 4th.11/29. To Exp Sta-Advises of tests.11/29.	

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TESTS: WIRELESS:

Number.	Date.	From or To—	Subject.	
45019	7/27	STRINGHAM & BAILEY	Reports on test Duplex Key. L	
45294	8/3	To S&A	At Portsmouth; reqt shipment of oil condenser from Washington. W To Ports. Directs that Subinspr Clark be permitted to take article with him to Washn. 8/4.	
45307	8/2	Clark (T) (Ports)	States condenser not received; absolutely essential to carry on tests; asks what antenna capacity does Telefunken require. W (T) to Telefunken Co. Reqst fundamental and antenna capacity rec for two kw variometer set. 8/3. To Ports. Donitz condenser shipped today. 8/3.	
45737	8/8	TO Naval Academy T	Bureau's expert will visit STRINGHAM & BAILEY Aug. 9th, in connection with tests. W	
46020	8/6	The Falk McMann Co	W.T. System: offers to equip STRANGER or any other vessel in NEW ORLEANS waters with outfit free of charge for test	901
46305	8/15	TO Exp. Sta	Directs test between STRINGHAM & BAILEY under rules laid down for Autumn practice; directs reqn. be submitted for kites, additional wire, and suggests use of balloons. W	
46468	8/14	BAILEY	Weekly report wireless experimental work. W	

N.S.E. Form 134.

TESTS: WIRELESS: 903

Number.	Date.	From or To—	Subject.	
47254	8/25	Clark, G.H. T	Reqt. authority to conduct experiments with aerials and masts at Ports.W. (T)to Ports. Experiments auth.8/25.	
47321	8/22 8/25	STRINGHAM Exp.Sta	Reports of test with kites.W	
47383	8/23 8/28	War Dept Dept 12479-441	Chief Signal Officer reqt. copy of report on test to determine laws covering wave lengths, and height of aerial, etc. W Fwds Dept. Fwds bulletin by Dr.Austin.9/2	
47546	8129	BAILEY:	State are constructing reel for kites.W	
48021	9/5	BAILEY	Report on wireless tests with kites.W	
48002	9/5	STRINGHAM	Reports on experiments with kites.W.	
48906	9/16	BAILEY	Reports on wireless tests with kites. W	
49118	9/21	TO S&A	Directs shipment of test apparatus used by G.H.Clark, to Washington.W.	
49415	?	At.Flt	Reports on work in tests of wireless apparatus during autumn target practice. W	
49467	9/23	STRINGHAM	Weekly report on tests with kite.W	
49744	9/23	BAILEY; 245	Reports on experimental work.W	
50045	9/30	STRINGHAM	Reports on experiments with kites.W.	

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[OVER.]

TESTS, WIRELESS

Number.	Date.	From or To—	Subject.	
39739	5/25	C.O.	BAILEY & STRINGHAM: results of test, etc	124--6
41047	6/13	To Academy	SYSTEM: POULSEN: reqt test of	901
41494	6/16	Nav.Acad.	Reports on comparative test between wireless telegraph set and Poulsen arc. W To -- Desires further experiments.6/19.	
41468	6/16	C.O.	BAILEY & STRINGHAM: reports on	124--6
41448	6/17	To Exp. Sta	BAILEY & STRINGHAM: reqt test in order to ascertain aerial resistance with the vessel anchored in open water and land-locked.	124--6
41600	6/16	C.O.	BAILEY: further report	124--6
41618	6/19	C.O.	BAILEY & STRINGHAM: available for making test mentioned in letter of 17th	124--6
41953	6/23	TO Dept & Exp.Sta.	Directs early report on tests of and measurements of antennae resistance induction on the BAILEY, and reqt travel orders for G.H.Clark for use in connection with. W	
41953	6/30	BAILEY	States took part in wireless test and Mr. Clark will submit report.W	

N.S.E. Form 134.

TESTS: WIRELESS. 903

Number.	Date.	From or To—	Subject.
42421	6/28	Exp// Sta.	Reports on tests of antennae resistance. W
42554	6/29	TO Nav.Acad. (W)	Directs STRINGHAM finish test of portable sets while coming up POTOMAC. W
42976	7/7	TO Exp.Sta	Directs wireless test between BAILEY: STRINGHAM & Washn. Yd. W.
43619	7/14	TO Exp.Sta	Fwds copy of reqn. 47 for King Kites for.W
44502	7/24	Naval Adademy W	Reqt. station send D's for half hour 5.AM Thursday.W To Washn. Directs send D's for half hour on Thursday.7/26.
44564	7/25	STRINGHAM	Reports on test "D".W
44565	7/25	BAILEY	Reports on test "D".W
44559	7/26	TO S&A	Reqt. shipment of material from Washn . to Ports. for testing purposes. W To Ports.Reqst that Mr Clark be permitted to take articles with him on returned to Washn.7/27.
45048	7/31	Nav.Intel. 11232	Fwds pamphlets re experiments aborad and copy of J.A.Fleming's book "Principles of Electric Wave Telegraphy and Telephony", which contain data of similar character to that covered by Dr. Austin's paper. W To---Bu desires to retain Prof.Fleming's book.8/2.

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[OVER.]

TESTS: WIRELESS:

FILE No.		From or To— (Dated)	Subject.	
36836	4/22	TO NY	Directs between MICHIGAN and Bureau Standards.W	
37075	4/25	MICHIGAN:	Wireless tests; reports on sending.W To So/Carolina.Directs sending W.T.signals.4/27. To -- Ack.letter.4/27.	
37040	4/25	To Academy	BAILEY & STRINGHAM: directs test between: also delivery of wavemeters for use during:	124-6
37374	4/27	Washington	Submits reqt. from Sub-inspr. G.H.Clark for construction of dummy aeroplane apparatus for break gear for testing purposes; asks if authorized by Bureau.W	
37874	5/2	SOUTH CAROLINA	Reports on data taken on during trial with Bureau Standards. W	
37952	5/5	Dept	BAILEY & STRINGHAM: fwds copy of message to Stations directing to keep out until they complete tests.	124-6
38306	5/9	Clark, G.H. T	Reqt. authority to adjust antennae of NORTH DAKOTA; states SOUTH CAROLINA will send to-night, 1000 meters. W (T)to NY Directs Subinspr Clark adjust aerial DELAWARE. 5/10.	
39144	5/19	TO Dept	Fwds copies of Bureau Standards on, for Navy Dept. W. French & Russian ack. unable to reciprocate re Dr.Austin's report. Nav.Intel. 8/1	
39705	5/26	TO Marconi W.T.Co	Fwds copy of Bureau Standards Report on Quantitative Experiments in Wireless.W.	
39144	10/24	Nav.Intel	Brazil & Chili unable to furnish. Japan fwds.10/30	

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TESTS

WIRELESS.

FILE No.		From or To— (Dated)	Subject.	
30698	2/1	Academy	BAILEY & STRINGHAM: fwds report of results of	124--6
31477	2/14	Wireless Specialty	Test between aeroplanes and a wireless station; offers to make with San Diego Station; invites attention to fact that they were successful in recent tests; DeForest entirely unsuccessful. W	
31463	2/5	At.Tor.Flt	APPARATUS: comparative tests of: on TBDs, Rates them Telefunken, Fessenden, Marconi, Latter a bad third	876
33244	3/8	TO Norf	Directs certain tests be carried out with wirless station and ships at Yard and Hampton Roads. W	
33359	3/9	To Key West	directs daily test with COLON W.T. Sta	817
33678	3/13	TO SOUTH CAROLINA	Fwds copy of reqn. covering perikon detector for use in connection with. W	
34352	3/22	To Alt.Flt	REC & Send.Set: directs test of MARCONI magnetic detector on SOUTH CAROLINA.	898
34814	3/25	Key West	fwds report giving result of daily tests with Colon	817
34915	3/29	To Colon	COLON; long wave tests with KEY TEST: reqt report on amount of inductance and capacity of both circuits during.	808
35909	4/11	To Narr.Nav.Sta	MERCHANT SHIPS: directs Nantucket light ship carry out test with S S LA PROVENCE.	891

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TESTS, at ARLINGTON.

1912

Number.	Date.	From or To—	Subject.	
80223	10/7	M.Is.	Federal telegraph Co. test of PAULSEN APPAR- at ARLINGTON, reqt to be advised of dates so M.Is. can listen in.	876
			1913	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

TICKERS, radio.

1913

Number.	Date.	From or To—	Subject.	
100341	6/26	To Pearce & Co. F.	Rotary ticker, asks when may be re'd.	898

NB—0120

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

RADIO TESTS.

EXP STA

1914

Number.	Date.	From or To—	Subject.	
TEST	121	Between Bailey & Stringham.		
	172	do		
	203	do		
	209	RECEIVERS, I.P.S.C. from Bailey on result, submitted by Wireless Spec.Co.		
	234	Pittsfield "Auto spark coil"		
	1043	Report on demonstration of spec radio app invented by MR. Peters. W.		

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

TIME SIGNALS RADIO 1922

Number.	Date.	From or To—	Subject.	
645472	9/25 10/14	Pug.Sd. Dept	Fwds reports from radio stationsin 13th Dist. rel to time signals during solar eclipse , September 1922. W. Fwds Annapolis 1/18 RB 10/26 W RB 10/26	RB 11/8W
648216	10/7 11/3	Europ Forces Communication Supt. Dept	Subm report on signal of static audibilities during solar eclipse September 1922. W	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

N.S.E. Form 134.

TIME SIGNALS: RADIO

Number.	Date.	From or To—	Subject.	
413371	4;21 4;24	Wis. Farm Tractor Co Com	Reqst information to instal time rec station whereby correct time can be received daily. To Wis. Farm Tractor Co-Gives infor. 4;30	W
421997	5;24 5;28	W Bookwalke Com	Instal at rec station, fwds pamphlet on watch and time record cable, etc. To F M Bookwalter- cannot furnish info reqstd 6-2	W
413235	5;29	Inspr Fed	Sketch showing two types of control valves.	W
426534	6;12 6;18	Haslipp & Walker Com	Wireless Sig reqst for infor in con with. fwd Observatory 6/24 R 7;11 fwd Observatory 6/28	W
466070	12/29	Boton	Copy of letter to Naval Observatory recommending instln of a precision signal and clock recording device. W.	

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[OVER.]

TIME SIGNALS RADIO

Number.	Date.	From or To—	Subject.	
483894	3/24 3/25	Lt. J. W. Birk Naval Academy	Subm suggestions covering primary standard coal substitute using vacuum tube as a generator and utilizing constant light frequency. W. To Lt. Birk via Naval Acad.- do not believe investigation warranted 4-7	
486125	3/29 3/30	A. R. Mansfield Dept.	Request information as to receipt of time signals. To Rev. Mansfield- info rel signals 4-8 Seamen's Church Institute of NY -acknowledges letter of 4/8 - 4/10 - W	W.
557876	4/16	To Bu Standards	Time signals from Arlington-Checking of- Rqst report be fwded with monthly check of wave lengths of trans Atlantic Stations W	841
		1922		
621230	4/26 4/29	Naval Observatory , Communications	Fwds letter from C E. Adams asking if can obtain supplies of apparatus thru Navy Department. W- Fwds Dir of Comms 5/4	

4—3381

TIME SIGNALS. RADIO

1915

Number.	Date.	From or To—	Subject.	
147749	2-11	Johnson, F.T.	Asks if possible to receive from Arlington at Genoa, Nebr. W To--Commnets on. 2/23	
149039	3-3 3-6	Reichel, L. Supt	Reqt instrructions re receiving. W Fwd Rad Ser-- Not published by Bu. 3/8	
150046	3/17	Navgn	CAIMITO; fwds specns of transmitting clocks for time service; quotes price	851
152173	4/7	Self-Winding Clock Co	Inquires as to probability of additional clocks being ordered	622
175070	12-28	Warner, Edw.	Reqt data on time signals.W	
175956	1-11	To NY.	Reqt time signal receiver be included in battleship standard plans; if practicable signals should be on ship's telephone system; above should be included in PENNSYLVANIA'S radio installation. W	

1916

180855	2-23 3-4	Teske, Chas Supt Radio	Reqt inforation re time signals at Wild Rose, N.D. To Teske-- 3/9	
184341	4/4	Observatory	Reqt copy of corres relative to telegraph circuit for time signals; Arlington Radio	841

N.S.E. Form 134.

TIME SIGNALS. RADIO. 910

Number.	Date.	From or To—	Subject.	
191484	6-21	Navgn	Apparatus at Observatory; request choke coils be rewound. W Ref. Washington 6-26	
212724	1/26	Indian Head	Recommends change in radio regulations relative to manner ships standardizing their time	914
324446	5;9 6;5	Cavite ~~Asiatic~~ Fleet	Receommends station be supplied with time clock similar to one that will be installed at Pearl Harbor.	
376609	12;10	Com	Req prints outlining details of sig circuits. W	
398574	3-1	To S&A	Reqst shipment from Washn to Naval Observatory radio appr for use in recein of time sig To Observatory Wash- Advise if have finished with apparatus. 1-9 Nav.Observatory- Request authority to permanently retain apparatus.	1/13
400801	2;18	Pearl Harbor	Time Sig from high power station, sub for imp. fwd Communications 3-13 fwded Communications 5-20	

1917

NB—0120

[OVER.]

TIME SIGNALS: RADIO 1913

Number.	Date.	From or To—	Subject.
101168	6-30 7-7	Ill Watch Co. Nav.Observatory	Reqt.information re receivers and aerial necessary for time signals. W To Co.comments.7/10. Ret N.Observ.via Radio.7/10.
102253	7-24	Supt Radio	Circulat letter to Comdts re sending of time signals.W
105226	9-10	Hilliard, T.W.	Reqt. information.W. Fwd Supt. 9/9
106710	9-23	Newberry, E.B.	Reqt. data on. W. To-- 10/1 Fwd Supt.Radio 10/1
107988	10/9 10/10	Nav.Observatory Navgn	Recommends loan of a radio receiving set to the Mexican Observatory in connection with establishing longitude by time signal.W Fwd Dept recom 10-16
108296	10-18	TO Yards	Asks if any storage batteries on hand suitable for time signal longtitudinal tests at Arlington. W Norf R.(2) 10-20 NY 10-18 (R) (R) to Norf,Phila,NY.Asks what batteries have available for shipment to Washn.10/18. To Norf.& S&A.Request shipment to Washn. of 17 B-2 Edison storage batteries.10/20. Phila (R) 10-18 Norf will ship 10-31

N.S.E. Form 134.

TIME SIGNALS: RADIO. 910

Number.	Date.	From or To—	Subject.
112091	12-6	Navgn	Extends intitation to officers to att end lectures by French commission.C
120016	3-11 3-14	Citadel, Chasn C&R	Reqt data on time signals sent out by Arlington W To---gives data.3/16.
128917	6-29 7-3	American Jeweller Supt Radio.	Reqt information re time signals.W To---gives information 7/13. Amn Jeweller 7/15.requests further information.W To Amn Jeweller. Gives information.7/23. Amn Jeweller reqt additional inform 7-12
132290	8-13	American Jeweller	Submits draft of proposed articles; reqt revision.W To---comments·8/19.
132979	8-24	Stephens, Hon. W.D.	Reqt data on radio time signals.W To-- Unable to furnish; May be purchased from Naval Institute, Annapolis. 8/27
135898	10-1	American Jeweller	Fwds copy of publication containing article on time signals; asks if relay condenser could be constructed to receive time. W To-- Comments 10/17
145511	1-21	Bell's, Sons, J.H.	Reqt information re apparatus for receiving signals. W To-- Gives data on· 1/28

1915

NB—0120

[OVER.]

TIME SIGNALS: RADIO: 1912

Number.	Date.	From or To—	Subject.	
84214	12-1	NY 6300-7	Quotes price on receiving set suitable for Naval Observatory time signals.W. To M.Is.Asks what old material can be supplied from stock for tests between M.Is.and N.Observatory.12/16. BLRB12 27 To M.Is.& S&A.Reqst shipmt apparatus.12/27.	
85131	12-14	Arlington 358	Re arrangements for sending out time signals; noon signals now being sent; night in a few days. W	
85466	12/14	Pug.Sd.	TATOOSH ISLAND: Reports ready for time signals.	838
			1913	
86353	12-30	South Bend Watch Co	From Arlington; reqt. data as to wave length in order to enable them to receive signals.W. To---1/4.	
87302	1/9	J.G.Crawford	Requests information re radio time signals from Arlington.W To---1/13.	
87587	1-14	Sweet, G.D.	Reqt. information.W. To---1/16. RB 3-10	
88697	1-1 1-7	Waltham Watch Co Nav.Observatory	Reports catching time signals Arlington on Jan 1st with small receiving set.W. Fwd.Nav.Observatory, contents noted 1/29	

N.S.E. Form 134.

TIME SIGNALS: RADIO. 910 **1913**

Number.	Date.	From or To—	Subject.	
78950		SEE CARD 3	Radio time service, M.Is.& Arlington. Fwd M.Is.via Supt. Radio.comments and instructions.2/10. TO M.Is. before installing night service reqt. certain information.2-15 RB 3.13 Fwd Nav.Observatory via Nav.for rec.3/13. RB 4.2 Fwd Supt Nav.Observatory for comment .4/3 RB 5-8	
90901	2-20	South Bend Watch Co	Reqt. data on Arlington wave lengths. W. To-- not yet available 2/25	
92967	3-19	K. Russell	Reqt. data on.W. To---3/21.	
94457	4-8	Citizens Light & Power Co	Reqt. information. W. To---directs communicate with Supt.Radio. 4/10.	
99154	6-9	Elgin Nat.Watch Co	Reqt. approx: cost of 10 kw set. in connection with. W To---gives data.6/12.	
99127	6/10	To Dept	Telegraph line between Observatory & ARLINGTON. Reqt auth. for installation of a 2 wire circuit Gives figures of cost.	841
99095	6/9	Western Union T & T Co.	Estimate for "	841
100363	6-20	Harrington Co	Reqt. instructions re aerials for. W To---gives certain data.6/27.	
100430	6-20	Observatory	Copy of letter to Western Un T&T Co. complaining of service for time signals.W.	

NB—0120

[OVER.]

1912

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TIME SIGNALS--WIRELESS.

Number.	Date.	From or To—	Subject.
74336	7/26	To Norf.	Quotes report from German steamer "Neckar" as to time signals received.W
75537	8/9	Pensacola	Reports installation of time signals at radio station.W
76347	8/21	Hon.David J.Lewis	Fwds application for Walter Powell & Sons; Cumberland, Md., for wireless time signals; will erect station on their building.W Walter Powell & Sons. Reqst additional information.W To Walter Powell & Sons Co.Gives data.8/22. To-Hon.Lewis, will give information 8/23 To Powell & Sons Co.comments and suggestions.8/26.
76567	8/24	Clapp-Eastham Co.	State have received numerous inquiries relative to apparatus for receiving time signals from Arlington,etc.W To---replies.8/26.
77247	8/29	Marconi Wireless Co.	Time signals to be sent out from Arlington; Requests information.W To-- gives information 9/4 To-Wireless Spec.Ap.Co. gives information 9/4
77322	8/29	South Bend Watch Co.	Requests information re time signals to be sent out by Arlington.W To-- information 9/5
77431	9/5	Wireless Spe.App.Co.	Recommends longer wave length than 3000 meters be used for transmitting time signals from Arlington.W

N.S.E. Form 134.

TIME SIGNALS: WIRELESS 910

Number.	Date.	From or To—	Subject.	
78713	9-21	Navgn	Supt. Observatory recommends pamphlet be issued giving inforation as to the sending of and apparatus necessary for receiving. W Ret--Glade to Co-operate with Observatory in the preparation of pamphlet 9/25 Navgn authorizes. 10-5 Ref. Obs. 10/9	
78950	9-24 9-26	Observatory Navgn 2114-112 See below	Recommends direct wire from to Arlington, and from M.Is. Observatory to proposed station near San Francisco. W To-ARLINGTON- re arrangement for sending night as well as noon signals 10/12 To-M.Is. - reqt. esti. re cost of installation direct telegraph line from Observatory 10/12	
78951	9-24 9-26	Observatory Navgn	Reqt. Observatory be furnished with receiving set and aerial for use with experiments with. W To Observatory via Nav. Bu. will loan apparatus upon completion of ARLINGTON 10/11 To NY. Asks what old material have suitable. 11/20.	
79326	10/1	GE Co.	TRANSFORMERS, re. also reqt data on time signals, etc	904
80028	10-9	Amer. Nat. Ret. Jewelers Assoc.	Reqt. data on sending out of time signals by Arlington and gives names of committee appointed to handle matter. W. To-- suggest visit Bu. 10/14	
78950		see above CARD 4	Radio time service, M.Is. & ARLINGTON. Fwd Ovservatory via Nav. 10/12. RB I-13 To W.Is. Recst report between yard and N.Observatory be submitted 12/16. Fwd N.Observatory. 1/14. RB 2-10	CARD 4
80295	10-15	Arlington	Re-arrangementsfor time signals. W	
83955	11-17 11-29	W.Anderson, SS VENTURA Navgn	Suggests be sent out at Midnight. W. Fwd Nav.Observatory via Radio sta. 12/2	

NB—0120

[OVER.]

TIME SIGNALS: WIRELESS:

Number.	Date.	From or To—	Subject.	
50544	10/6	Norf	Reports not received by Beaufort Station. W To Western Union T.Co.Reports not received. 10/14.	
51174	10/11	Clinton, F.L.	Reqt. information re apparatus neededto receive. W To---Gives names of firms with whom to communicate.10/24.	
51573	10/20	Western Union	Re complaint from Beaufort; suggests Richmond office be communicated with in case of any future failure.W RB 10-31 Fwd Norf.10/26.	
51673	10/16	Western Union Tel Co	For Tatoosh Island; agree to furnish free provided Dept. runwiring.W To--Has taken up with Weather Bu.12/6.	
3 52025	11/7	Navgn	Fwds clipping from Daily Commercian News, San Francisco, relative to sending out of by M. Is. W Fwd M.Is-Reqt information and comments re weather reports.11/29. RB 12-18 Ret---Rel to night signals.12/29. RB 2-6	
53296	11/7	Beaufort W.T.Sta.	Reports non-receipt of time signals from Western Union offices since Oct.30th. W To West.Union, Richmond-Quotes from report.12/5.	
54257	11/10	Fire Island	Reports hearing time signals from IRELAND and Colon	892
55774	12/11	To Chasn	Time sending key and relay; has made reqn for, and on installation, direct Western Union Tel. Co. to make connection daily without charge; Also designate station as "Naval Wireless Tel.Sta., Jupiter, Fla." W	

N.S.E. Form 134.

TIME SIGNALS: 910

Number.	Date.	From or To—	Subject.	
5 46809	12/22	To Pug.Sd.	Re extending service to Tatoosh Island; directs wireless station be connected by a loop to Weather Bureau station, and wireless station be provided with necessary relay and time signal key. W	
			1912	
57403	12/27	Western Union Tel.	Replies to complaint of non receipt at Beaufort. W To---Acknowledgment.1/3.	
58746	1/7	Clark, G.H.	States has observed time lag between impulse Western Union and spark transmitter in sending out; suggests remedy. Fwd NY. for comment and rec.1/17. RB 2-24 Fwd Nav.2/26.	
58862	12/1 1/15	SS CITY OF MACON Dept	Fwds data on receiving noon time signals. W To B.E.Webber. Ack.1/18.	
61163	2-8	Navgn	Fwds complaint from SS MEXICO re failure of Beaufort to send time signal. W	
62315	2-22	Colon	Req't. Bureau expedite arr. for.W (W)to---Not possible to arr.time service.3/2.	
66563	4/12	Beaufort	None received on the 10th,11th and 12th.W	
72006	6-8	Navgn	Fwds clipping from Prof. Gould, University Washington, Will furnish ships at sea with time based on star observations by radio. W	

NB—0120

[OVER.]

TIME SIGNALS. WIRELESS.

910

FILE No.		From or To— (Dated)	Subject.	
31144	2/8	To Colon	Directs arr. be made for transmitting time	808
31971	2/17	Collins, C.J.	Reqt. explanation of dots and dashes. To -- Information furnished 2/28.	
33069	3/6	To Chas.	ST AUGUSTINE: directs be fitted out for transmitting time signals	834
33981	3/16	Navgn	Fwds report on French Steamer Floride on receipt of time sign ls by wireless from NY Fwd NY 3/21. R.B.3/30. Fwd Nav. 4/4.	Yd.W
37248	4/27	Central & South American Tel.Co	At Colon; fwds copy of reply to Hydrographic office on same inquiry. W To -- Rel to height of masts; etc. 5/3.	
38428	5/10	Navgn	Reqt. particulars about. W To -- Forwards information.5/20.	
41218	6/7	Lawrence, A.E.	Reqt information re time signals. W To -- Gives information 6/15.	
42933	7/5	Norf	Reports failure to receive at Beaufort at certain dates. W To Western Union Tel.Co. Reqst signals be received at Beaufort.7/12.	
45090	7/31	TO Western Union	Reqt. arr. be made for sending to Tatoosh Island.W	

NB—0120

TONE TESTERS. SEE TUNERS.

1916

Number.	Date.	From or To—	Subject.	
202601	10/17	To Wash	Reqt plans and est for the manuf of tone testers be submitted	905

NB—0120

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Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

1916

Number.	Date.	From or To—	Subject.	
143351	?	F.L.Fox and F.C.Gibson	Wireless controlled aerial torpedo; suggestions for test by Govn; Ord recommends $1000 to carry out; SE involved in receiving and sending apparatus	876
460482	11-?	A. Crossley	Rqst patent rights on trailing wire antenna for radio control torpede. W	896

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Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

TOWERS: RADIO. SEE MASTS.

1914

Number.	Date.	From or To—	Subject.	
573466	7/7	P.L.Linthicum	Applies for position as radio tower painter. K	635-1

NB—0120

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Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

TRANSFORMERS 1922

Number.	Date.	From or To—	Subject.	
648198	11/2	Washington	Request printsof radio frequency transfromers be furn. W. To MI- Fwds cc plans listed 11/8	
649389	11/10	Washn	Bracket Mount radiation current transformer submitted by Westinghouse Co. W To Westinghouse Co- Gives action cc S&A- Washn 11/17	
650065	11/20	To S&A 1546	Reqst shipment of transformers from Washn to Phila W	
652412	12/5	Washington	Estimates covering manfg of type SE 1593-A transformers W	

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TRANSFORMERS 1922

Number.	Date.	From or To—	Subject.
652641	12/6	Belden Manfg Co	Rqsts be placed on list to receive increase for winding of all types of coils W To -- Will furnish specens- cc Wash'n 12/12
653243	12/12	M.I. T #1715	Rqsts 12 radio frequency transformers for amplifier be shipped W To S&A Rqsts shipmt of transformers from Wash to M.I. 12/12 W To Comdt M.I. T None avail will ship Dec 27. 12/13 W

4—3351

[OVER.]

TRANSFORMERS RADIO 1922

Number.	Date.	From or To—	Subject.
621918	5/4	Washn.	Subm estimates cov adaptors for type SE1616-A transformers. W. To Washn Estimates appvd 5/12
622212	4/27	Pacf Destry	Amplifier transformers- failures in and difficulty in getting 494
622652	5/11	To Hammond Radio Lab (T)	Bu ready discuss specifications intra fleet transmitter with representative W
626208	6/3	To Comdt Washington	Tests of special Type French Transformers. W
630162	6/27	M.I. T	Request shipment of transformers for repairing amplifiers of destroyers W MI- (T) Amplifiers requested urgently needed .7/1 W To Comdt M.I.- T Refer your change sheet 18150 type 3 E 1616 transformers reported in store. W 6/28 #640 To S&A Rqsts shipmt of Transformers from Wash to M.I. 7/6 W RB 11/9 W MI- (T)- 10/11-request expedite transformers.W CANCELLED SEE 830

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TRANSFORMERS RADIO 1922

Number.	Date.	From or To—	Subject.	
631405	7/6	Mine Sqd · #1 (T)	Request shipt to SHAWMUT of two Western Elec. transformers in conn with experimental purposes. W.	
			To Boston (T) issue transformers as listed	7/7
632959	7/15	GE Co.	6 radio frequency intervalve transformers will be fwded to Bureau - fwds pamphlets describing. W	
639337	8/24	Westinghouse E/M Co.	Radio frequency current transformer at radio test shop,- request be tested. W. To West Elec & Mfg Co. Holding up final appvl of transformer 8/31 W	
647134	10/19 10/25	L.D.Moore Phila CANCELLED	Rqsts bureau's opinion of transformers manfgd by Pullman Electric Co W	

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[OVER.]

TRANSFORMERS RADIO

Number.	Date.	From or To—	Subject.	
612120	3/4	To S&A	Transformers Gives estimates obtained from Washn covering cost of manufacture of material Rs RB 3/16/22 R Fwd S&A 3/18 To S&A Reqsts inform 6/1 S&A 6/2 W. To S&A- Ask when reply may be expected to Eng let. of march 4 10/19 RB 10/25 R	
613041	3/14	To Norf 9873	Reqst shipment of Transformers from Norf to SO Washn W RB 7/5 W.	
572864	FROM CARD	19	S&A- Copy action to Ham.Rds. 3/22 W.	

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TRANSFORMERS RADIO 1922

Number.	Date.	From or To—	Subject.	
614711	3/21	Washington	Request uth to manufg for stock, adaptors for radio transformers- fwds prints. W.	
618843	4/14	Boston	Request transformers listed be shipt for repairs to amplifiers. W. To Boston- Gives status of shipment cc Washn S&A 4/21	
586399	FROM CARD 20		Dubilier Condenser Co. Ask if test made. 4/15 W Fwds MI 5/6 RB 5/22 W. Fwds Washn 5/25 RB 6/7/ W Washn. 6/8 W To Washn--- - Gives inform rel test of French Transformer 6/13 Dubilier Condenser Co 9/18 Transformer shipped to Washington W Fwds Washn 9/26 RB 10/4- W. To Dubilier Condenser & Radio Corpn- Gives Action taken 9/27 Dubilier Condenser & Radio Corpn.-Request return transformer. 10/5 W.	

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[OVER.]

TRANSFORMERS RADIO 1921

Number.	Date.	From or To—	Subject.	
586399	9/20	Dubilier Condenser Co	French transformer; offers to loan for purposes. W.	test
			To-- Gives Action 9/30	
			To S&A Reqst shipmt of transformer from Brook to Washn 8879 9/30	
TO CARD 21			Dubilier Cond. Co. Fwds French type transformer to test shop for test. W.	
			Dubilier Cond.Co. 12/29 W	
			To-- Gives Inform rel test 1/12	
586883	9/22	Pug Sd T.	Request partial delivery of transformers be expressed for destroyers W	
			Pug.Sd.-Prepare shipt order cov transformers-request- 9/16 W.	
			To S&A Reqst shipmt of transformers from Washn to pug Snd 8819 9/24 RB 11/26 W.	
			To S&A Reqst shipmt of Transformers from Washn to SO Pug Snd 8856 9/27 RB 11/26 W.	
592999	10/28	Phila. (T)	Request immediate shipt of audio frequency transformers for use on destroyers. W.	
Chasn Request N S A 312-22 11/30 To Chasn			Reqst for Radio Amplifying transformers to be inspected W R	
598309	12/9	Washn.	Request 3 high tension transformers be furn in connwith design problem 128- B. W	
			To Washn gives Action 12/13	

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904 TRANSFORMERS: RADIO: 1921

Number.	Date.	From or To—	Subject.	
599551	12;3	Pac Flt	Provision of amplifier transformer with bases so they can be inserted in same manner as vacuum tubes is objectionable.W To Washington comments on cc C-I-C Pacific 12/17 To Norf- Comments 12/19	
599640	12;9	Norf T	Reqt shipment of 12 amplifying transformers coils.W To S&A Reqst shipmt of transformers from Washn to SO Norf 9356 12/10 To Norf transformers shld be available for shipment 15 January 12/13 Norf- (T) Request shipt of part of material be expedited. 1/24 W. To--Fwd 1/27 W	
BELOW				
599681	12/10	To O-I-C Brook	Radio transformers- coils for; Reqst inform rel W Navy Sup Depot- 12/12 W	
601059	12/14	Phila.	Audio frequency transformers- request inform rel to stock. W. To Phila- Gives Inform 12/22	
599640	FROM ABOVE		Norf- 2/15 W To Washn yard-9743-shipment of 12 amplifying transformers to Norf.2;20-W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
540832	1/15	Rsch Labr Bur Stand	Request permission for radio aide J.M. Miller to answer charges by F. C. Blake that Miller should not have written article, copy attached. W. fwd Intelligence 1-20	
543106	1/25	American R/R/Corpn	Request authority to submit samples of amateur radio amplifying radio transformers for test. W. To Amer RR Corpn 1-29-21 American R/R/Corpn- Will send transformers to Washn for test. 2/3 W. To Washn 2-7-21	
Washn-frequency Corpn.	3/21	Fwds report on test of audio frequency transformer subm by American R/R/ W. To Washn Work completed 3/28 To Amer Radio and Research Corp Fwds report 3/28		
546468	2-16	To S&A	Reqst shipmt of radio transformer from NSD to Sub Base New London W	6342
551969	3/18	To War Dept	Reqst audio frequency transformers be furn W	
W 406	5/14 5/19	Washn S&A	Request inform rel to reasonable price on excess deliveries of transformers. SW	629
572864 CARD 21	7-5	To S&A To Guam (T) transformers being shipped Dec 5th 12/2	Reqst shipmt of transmfomers from Wash to Guam W 8047 Guam 12/1- (T) Transformers not recd - urgently needed W/	
580191	8/9	Jno. Firth Co.	Request report of test on audio frequency transformer and portable decrometer fwded to radio test shop. W. To Comdt Wash 8/18	

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Duplicate

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TRANSFORMERS: RADIO

Number.	Date.	From or To—	Subject.
476710	2/19	To S&A	Reqst shipmt from Norfolk to Coco Solo 3 transformers. W RB 5/17 W.
484944	3/24	H. W. Kichin	Subm comments on frequency Dubler as applied to radio transmission, by T. Minahara fwding pamphlet W.
504034	7-12	To War Dept.	Reqst loan of six new type signal corps audio frequency transformers W War Dept- Furnishes 6 new type transformers for use in conducting test 7/14 To Bur Stds, reqst reutnr to War Dept upon completion 7/,15
523710	10-19	To Comdt Washn	Reqst drawings and descriptive data covering transformer. W Washington9 Fwds prints of audio frequency transformer. 11/12 W.
529891	11-19	To S&A	Reqst shipmt of transformers from Wash Yd to Bur Standards W
529892	11-22	To S&A	Reqst shipmt of transformers from Washn to N.Y.W RB 9/9 W. Sh
535859	12/23	To Washington	Reqst to design an arc trans capable of 898 del 25 ampers to a ships antenna having resistances as listed. W

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TRANSFORMERS:

Number.	Date.	From or To—	Subject.	
421725	5;27	Marconi Co-	Copy of letter to Ph sub data on 5 kw transformers.	W
424929	6-13	To Phila	Reqst if transformer ref to is in Radio Lab if so same be returned to American Transformer Co- W Phila 6:19 To NY-Asks if trans is now at NY and if same can be returned to American Transformer Co 6/28	
439172	8;11	Norf	Reqst instruc as to disposition of 10 kw radio transm mfg at yrd. W To Norf-Shipmt orders are being issued. 8;26 To S&A req ship from Norfolk to Washinton radio transformer 8/30	
439586	8;7 8;13	Boston S&A	Reqst instruc in con with issuance of radio transformers. W fwd S&A 8/29	
900-4775	8/15	To Lownestein Rad Co	Calls attention to fact transformers to be used with radio sets supplied by your Co under contract 20615 reqn 183 dated August 1914- Asks info covering. W.	706

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[OVER.]

Number.	Date.	From or To—	Subject.	
449687	10;6	American RR Corp	Reqst auth to sub transf for approval. To American RR Corp-Gives permission to sample. 10;14	W
452078	10/16	American R/R/Corpn.	One transformer fwded to Washington for test. W. American R/R/Corpn. 2/4	
456097	11;4	NY	Fwds photos of Norfolk 5 kw transformer.	W
461772	12/4	Signal Corps	In conn with early disclosure of leakage transformer with "E" laminations, claimed by Clapp Eastham Co. W.	
473520	2/6	To IM Norf	Reqst advise rel to remedying defects transformers undergoing acceptance tests at Radio Lab. W. Norf- Fwds vandykes. 2/12 Norf- Fwds prints 2/26.	

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TRANSFORMERS

1919

Number.	Date.	From or To—	Subject.	
391748	2-3	To Bu Standards	Resonance radio transformers being shipped W	
395884	2;17	Norf	Req infor as to disposition of trans removed from Mo. To Norfolk- Request 2-KW Telefunken Radio Transformer removed from MISSOURI be turned into store 2-25	
44622	2/20	Inspr Pitts	Submits report of factory inspection of transformers from Pitts Transforming Co, S&L 629	
402182	3-15	To Western Elect Co.	Request furnish bureau with general specifications on transformers. West Elec Co-Quotes prices of transf. W 3;18	
404843	3-22	Inspr Brook	Fwds copy of specifications of shell type transformer of Western Elect Co. W	
421006	5;24	National Radio Sup Co	Reqst authority to purchase supporting brackets. To Sperry Co- no objections 6-6	W

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TRANSFORMERS

Number.	Date.	From or To—	Subject.	
9 283871 see 11-12	4-2	To 3 yards, F. Lowenstein Co.	Asks reply to letter of 3-13-18 and 4-16-18 W Lowenstein Co - 4;17	
408674	4;5	Norf	Fwds prints giving results of test of 2 kw radio transformer. Norf 7;1 To S&A req shipmt from Norfolk to Washington radio transformer W 7/21 To Wash So issued 7/26	W
412410	4;15	MI	Sub report on proposed method of transf efficiency.	W
411876	Old Number Boston-Fwds spec rep on measurments on transf eficiency. 6;18		Phila- 4;25 Lowenstein Radio Co-Fwds comments. 5;20 Boston 5/28 Fwds report covg measurement of transformer efficiency - W To Boston- reqst addtl copies be fwd 6-4	

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[OVER.]

TRANSFORMERS:

Number.	Date.	From or To—	Subject.	
379098	12;10	MI	Fwds report on test of 500 5 kw radio transformers. W	
~~X222X~~ 379943	12-26	To Norf (T)	Telegraph list mateial required 1/2 KW transformer Bu relying on drawings being delivered Jan 1st W Norf - Fwds prints 12;31 To Norf- Ack receipt of drawings 1-4 Norf-Fwds vandykes. W 1;14 Norf-Fwds vandykes 1;14.	
382050	12;31	West Elec Co	Req return of transf loaned to test lab in con with test on amplifiers. W To West Elec Co. Informed transformers will be returned as eperimental work is finished 1/2 0	
381927	1-3	To Norf	Reqts that vandyke copies of working drawings of each transformer as indicated on Drawings RN 25F 144 and Rn 25F 145 be fwded-1 and 2 KW Radio transformers W Norf-Fwds vandykes. 1;23	
36143	1/7	Norf	Recommendations in conn w American Tranformer Co design transformer as compared with Navy drsign W	629
381059	1;15 Dept-Disapproves- 1;25	Lowenstein Radio Co	Old Number. To ----- (T) Reply is requted to Buseng Desp 1-10 relating to transformer coils W To Sec of Navy: Instructions request re above 1/2	

4—3381

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TRANSFORMERS:

Number.	Date.	From or To—	Subject.	
383635	1;7	Norfolk	Fwds vandykes of one kw transformer. W	
384100	1-11	To Firms	Ask s cost and delry of small quantity of sheet steel for radio frequency use West Penn Steel Co-Do not mfg. 1;13 American Rolling Mill Co - 1;14 To Amer InterNatl Steel Corpn 3-18	W
38143	1/9	International R. T. Co.	No futher difficulty will be experienced with power transformer. W.	629
386410	None	American Transformer Co	Notice of change of address. W	
386809	1-24	Fwd Director Nav Comm	- Proposed lease of circuits connecting com pass stztions located at C.G.Sta 33 and 28 with Director Comm	W
388775	1-27	To Lowenstein Radio Co-	Fwds vandyke copy of 1/2 KW radio transformer	W

Number.	Date.	From or To—	Subject.
354003	9:26	Century Tel Constc Co	Req copy of drawings showing transformers used for radio frequency, amplifiers. To Wash. Reqts. blueprint of drawing be fwd. to Century T.C.Co. 10/2
356089	10;5	Norfolk	Req reply to let of 9:21 be expidited in con with special report on 10 kw transf W
358641	10/16	Norfolk	Standardization of radio transformers- Submits comments Norf-Fwds vandykes showing assembly and and details of transf. 10:31 To Norf- RE standardization of radio transformers 11-20 Norf-Fwds prints. 3;10 To Norf- asks re action taken 3-14 To NY, asks report 3-14
		Norf-Fwds report of test of 5 kw transformer. W 3;26 New York 4;19	
362855	10;24	American Transformer Co	Copy of letter to Norfolk station rec no information rec from bureau in con with proposed transformer and coils and drawings which are to be installed. W
367430	11;7	American R & T Corp	Req be included in list of mfgs of radio transf. W To American R & Reasearch, not advisable to increase number of types of radio transformers 11-14

904

N.S.E. Form 134.

TRANSFORMERS:

Number.	Date.	From or To—	Subject.	
364391	10;23	MI	Test and inspec of 5 kw radio transformers, sub report covering.	
373905	12/3	To Norf.	Asks size & quantities of wire & iron which will be required in the construction of transformers	
373786	11/30	Inspr GE Co.	Transformers from GE Co. comments on shipment will be delayed about 7 days.	W. 920
375060	12.4 listed 12-27	Norfolk	Sub list of material req for mfg of one-half kw radio transf of Norfolk design. To Norf-Reqts that complete set of instrns be prepared for the 1/2 KW transformer as Norf-Fwds vandykes of instruc 1/2 kw radio transf.	
36143	12/13	To NY	Reqst that attention be paid to acceptance test of transformers	629 I;25
377012	12/16	To Norf Yd.	Confms tele convsn. Number assignments to transformers made. W.	

1918

TRANSFORMERS.

Number.	Date.	From or To—	Subject.	
311597	5/29	S&A	Fwds list of transformers manufacturers -	W
311350	5-31	To American Transformer Co-	Reqts modification be made in T ype C.A.T. 517 one K.W. transformer American Transformer Co - Detailed comments. 6-4	W
312715	6/4	To NY	Spokes for wave changer and loading coils- Fwd Bu 8 vandyke copies of drawings RY 61AA 401 to 410 incl.	876
314799	6/8	Amer Transformer Co	Fwds ~~pity~~ print showg appearance and overhaul dimensions of new 1 kW transformer with descriptions of-rqst comments on. W	
314249	6-8	To N Lond	report on radio tel. & tel. installation on sub. chasers- fwds report-W Canceled To Western Elec Co- ditto-6-8 Canceled	

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N. S. E. Form 134.

TRANSFORMERS.

Number.	Date.	From or To—	Subject.	
297406		SEE CARD #12	New York-rqst copy of letr ~~xx~~ of May 3 to General Insulate Co. W 6/10	

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[OVER.]

TRANSFORMERS

Number.	Date.	From or To—	Subject.	
327153	7/17	To Amer. Transformer Co.	Confirming tel. conversat. being fwd. one radio transformer with ex. reactance coil. W	
		American Transformer Co 7;26 Radio transformer received and tested, impedence coil not received.	American Transformer Co 7;23 To---- Reqtd. that transformer be returned to Wash. 7/23 To---- Reqts. estimated cost & del. dates includ. progision given, be fwd. 7/26	
327162	7/18	Ro S&A Inspr Brooklyn-Copy of letter from Amer Trans Co dated 20th	Reqts. Shipt. of radio apparatus from Wash. to & for Amer. Transformer Co. W To Amer. Trans. Co. Reqtd. that you ack. rect. of apparatus. 9/18 American Trans Co-British radio apparatus rec. W 9;21	
333275	8/3	To Insp. Brook.	Reqts. to advise sub-contr'rs listed to expedite material for transformers. W	
334366	8;5	American Transformer Co	Transformer shipped to company for test, returned to Washington 7;27 W To Wash. Reqts. tracer on shipt. of transformer. 8/8. To ---Cannot locate transformer as for further information. 9/20	
39850	8/2	G E Co T	Req name plate nomenclature, for radio transformers sets American Transformer Co 9;28	629
334845	8/6	Naval Gun Factory	Rqst four transformers new type be instld	920
336094	8;9	American Transformer Co	Reqst instruction relative to descrip of radio transformer, special rep to bureau of Standard. To---- Not to furnish information re rad. apparatus to anyone except those in USNavy. 8/16	

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N.S.E. Form 134.

TRANSFORMERS.

Number.	Date.	From or To—	Subject.	
336376	8;7	Marconi Co	Transformer for assignment of type number, fwds drawings showing.	
330916	~~5/27~~ 8/9	~~[illegible]~~ NY	DReports on failure of transformers furnished	84-Q-6
336476	8/15	To Marconi (T)	Assigns type #. W	
336500	8/15	To Wireless S.A.Co.(T)	Assigns type #. W	
340508	8;22	American Trans Co	New one k w transformer on requisition 245, first four shipped Phila 17th. To----(T) Ship bal. of 251 KW transformers by exp. 8/27	
314799	8/27	To Amer. Transf. Co.	Encl. copy of let. of 7/30. W	
344799	9/12	To Inter.R.Tel. Co.	States that type # is CAT 1258. W	
349504	9;6	M I Radio Lab	Report of test and inspecition 2 1/2 kw transf.	

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[OVER.]

TRANSFORMERS.

Number.	Date.	From or To—	Subject.	
300164	4/22	American Transformer Co	Outlines dimensions of new ~~piston~~ composite 1/2 kw transformer and reactance-fwds prints.W	
	To American Transformer Co. Stating it will not be necessary to submit sample of transformer to Norfolk, 5-15		To American Transformer Co- Upon completion same to be sent to Norf for test-4-27 AmerTrans Co-5/10-Fwds copies of letrs from Marconi & Wireless Sp Apts Cos in conn w composite radio Transformers-(Copies not recd)W	
300235	4-25	To Yards	Radio Telegraph 1 K W Oil cooled transformers Asks for report in re experience with above type-- W Inspr Fed- Phila- Fwds rep by Pfund.	
	M Is - submits information Re experience with different types of transformers - 5/13 - W		Norfolk 5/8-Comments re increasing size of of transformer. W	
	Phila - Richard Pfund - Re Litzendrach transmitting variometers and load coils. W 5-30		To Norf- Ask copy drawing RN 25F 140A -5-14 Boston recommends use of oil cool telefunken transformers. W 5;16 Puget Sound. 6-1	
	Norf - Fwds vandykes . 5-29			
301955	4-20	Mare Island	Fwds copy of radio laboratory test - report giving characteristics of 1 KW Wireless Specialty Apparatus Co transformer. W	
305551	4/29	Mare Island	Experimental transformers 1/2 KW 500 cycle reports on test.W	
302941	5-6	To Norf-	Test of radio transformers-asks status of test to date-W	
			Norf - Transformer test of - fwds report.	W 5-25
314799	7;19	Erie Transformer Co	Old Number	
	International RT Co - 9;3 To Inter. RTCo. Encl. copy of let. 7/30 . 9/19		Expect to make shipment within two weeks.	W 8;9
			To Amer. Transformer Co. (T) Encl. copy of let. of 7/30 8/15 American Transf Co 8/16 International Radio Tel Co - 8/16 rqsts copy of Bureaus letter of 7/30	

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N.S.E. Form 134.

TRANSFORMERS

Number.	Date.	From or To—	Subject.	
304878	4/26	G E Co	Fwds prints showing dimensions of transformers for A C ammeters for arc sets. W	
305821	4/30	Marconi Co	Fwds copy of letr to American Transformer Co re instln of transformer in panel. W	
306333	5-14	To Firms	Rqst info as to experience in connection with oil cooled transformers-W E J Simon gives views on comparative method of oil and air fuel transformers W 5;16 F. Lowenstein 5;18 Marconi Co - 5/29	
308524	5-21	To Int Radio Tel Co-	Confirming phone conversation in re GE Co transformer type OW Form A 2-1/2 KW- W	
310109	5-27	To NY	Reqts transformer tested for qualities listed W-S N Y-fwds report of test on 5 kw leakage transformer submitted by Marconi Co. 6/10 ~~To Marconi. Makes report on transformer submitted. W 6/20~~	
311592	5/28	Pitts	~~Copy of letter to Packard Elec Co asking if are experiencing and difficulty in securing delivery f raw materials for transformers -W~~	

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[OVER.]

TRANSFORMERS: RADIO.

Number.	Date.	From or To—	Subject.
262499	11/22	To Amer Transformer Co	Design of transformer which would interchange with audion sets of Simon, Marconi Co, etc. Companys will co-operate in designing. W
264240	11-28	Norf	5 kw, 500 cycle, transformers manufactured on radioorder 1916, status of; shipped to NY on Nov 26.W
267351	12/15	To Marconi Co	Fwds report covering tests on 1/2 KW transformers sent to M.Is, for inspection tests. Ask if defects mentioned therein have been eliminated.W
270988	12-26 12-29	Amer Transformer Co Communications	Fwds copies of letters ~~from~~ offering radio transformers to government.W
272259	1/10	To Firms	Submits information re proposal which will shortly be fwded for apparatus as listed, W
272196			Guantanamo 1-19
273192	1-10	Norf	Standard radio transformer; fwds print.W To--Auth construction of.1/18
273466	1-9	Phila	Fwds copy of letter from Amer Transformer Co, forwarding transformer for test.W

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N.S.E. Form 134.

TRANSFORMERS: RADIO. 904

Number.	Date.	From or To—	Subject.
272816	1/12	To NY	5 KW transformers. Reqt list of transformers have handled, and which have met with specns. Are going to standardize. W
273766	1-11	Marconi Co	Fwds copy of letter to NY, giving their measurements on a 5 kw radio transformer. W
273806	1-10	Phila	Confirms telephone conversation relative to transformer forwarded by the Amer Transmer Co for test. W
274406	1-15	Liberty Elec Corp	Acknowledges receipt of drawings and state have under process manufacture of a sample. W To--Directs deliver samples to Norf. 1/19 To Norf--1/21
280809	2/7	Liberty Elec Corpn	Reports shipment of transformer fortest. W
261732	SEE CARD 10	Amer Transformer Co-Ask how transformers are to be mounted. W 3-1 ho To Wireless Spec Ap Co--3/6 Wireless Spec Co-Are fwding necessary photographs to Amer Transformer Co. W 3-12	To Wireless Spec Ap Co and Amer Trans Co--Ask if have fwded drawings to Amer Trans Co. 2/23 To A mer Trans Co--2/23 Amer Trans Co-reports non receipt of drawings. W Wireless Specialty Apparatus Co - fwds complete set of drawings for transformer. W 2-26
283971	2/26	To NY To Yards Firms--Fwds copy of letter from NY for comment. 3/13 To Firms--Reqt replies. 4/16	Efficiency measurements on transformers. Reqt recommendations as to most practicable method. W NY reports on transformer efficiency. W 3-8 Wireless Specialty Co - 5-1

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MI-measurments of transf efficiency on radio lab - 6;16

MI-Efficiency measurelts of transformers

Fwds copy of report of 3-8 W 3-15

CARD 12

TRANSFORMERS: RADIO.

Number.	Date.	From or To—	Subject.
247044	8/30	NY	Norf transformers, 2 and 5 kw; test shows satisfactory in all respects.W
247640	9/5	Norf	5 kw, 500 cycle transformer, redesigned, combining variable external reactance within transformer; fwds prints.W To--Appvs manuf of one transformer.11/2
248984	9/13	To NY	Semi-monthly radio report. R eqt certain information in connection with disposition of transformers, etc . W NY-states no four kw transmitters recd from Norf-only reactances recd. NY 11/2
250123	9/14	S. A. Scutt	Writes relative to purchase of oscillation transformer, etc.W To--9/22 NY Communication Supt fwds correspondence from Herbert Scutt and Lawrence M. Copkaday, relative to securing another transformer to carry out experiments with their new system for sending musical note 9/24 To Dist Com Supt via Nav Com--Auth tests.9/29
30022	9-29	NY	1/2 kw power transformers, E.J. Simon Co; reqt instructions rel to use of insulating material. 629

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N.S.E. Form 134.

904: TRANSFORMERS: RADIO

Number.	Date.	From or To—	Subject.	
852378	10/1	NY	Micanite tubes in radio transofrmers-states authority has been given to Wireless Company to substitute micanite for bakelite.	672
255792	10/19	NY	Submits report of investigation to determine cause of transformer failures.W To--11/10 To Norf--11/10 Norf 1-10 NY 1-21	
257328	10/27	Norf	500 kw. 500 cycle. transformer; request action on plan of redesign, forwarded Sept 5th.W	
258477	11/1	Norf	Transformers, reactances for; fwds plans.W	
261729	11/19	To Norf	Test of transformers manufd by Amer Trans Co. Instrns re tests of. W To Amer Transformer Co--Directs submit apparatus to Norf for test.11/19 Amer Transformer Co--11/20.W To NY--Ask if tests conducted are sufficient.12/27 To Amer Trans Co--Directs submit sample to NY instead of Phila.1/16 Amer Transformer Co 1-18 To Amer Trans Co--1/24	
261732	11/19	To Firms	1/2 KW radio transformer which will be interchange able with all types of 1/2 KW radio panel sets. Directs co-operate with Amer Transformer Co in connection with. W Marconi Co 11/24 Emil J Simon 11/26 To Amer Transformer Co--Re procedure to follow.12/29 Amer Transformer Co 1-2 To Amer Transformer Co--Gives action.1/12 Amer Transformer Co - W - 1-24 To E. J. Simon--Directs submit necessary drawings to Amer Trans Co.2/8 To Marconi Co-Wireless Spec Ap Co.2/8	CARD 11
262266	11/20	Amer Transformer Co	Reports on difficulties to secure elec constants and physical dimensions of 1/2 kw sets used on panel sets of Marconi, Simon and Wireless Improvement Co.W	

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[OVER.]

1916

TRANSFORMERS: RADIO.

Number.	Date.	From or To—	Subject.
200002	9-21	F Lowenstein	Request testing transformer in connection low frequency set. W Fwd NY--Authorizes. 9/23 To--NY auth to permit test. 9/23
207111	12-2	Marconi Co.	Transformers delivered at NY reqn ~~187~~ 176; fails to understand rejection on account of elec losses and mechanical defects. W Fwd NY--12/11 RB 12-19 To--Have instructed NY to handle. 12/11
			1917
213008	1-30	NY	Reqn 176; have assigned one sent SAN FRAN; request instructions re disposal of remainder. W To S&A--Shipt reqt to NY. 2/16 To--Gives action taken. 2/19
228014	5/12	To Pursell Radio & Elec Co	Cannot use ten receiving transformers on hand. Are purchasing only standard equipment at present. 5/12 Co fwds patent 5/8
228618	5-16	Norf	5 kw transformers and re-actances; fwds prints. W
234357	6/18	Norf	2 and 5 kw transformers and reactances; fwds vandykes and prints of manufacturing instructions for. W Norf fwds prints 7/10

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904 TRANSFORMERS: RADIO.

Number.	Date.	From or To—	Subject.
239437	7-13	Chasn	Confirms telephone conversation rel to Telfunken type transmitter.W To--7/30 Chasn 8/7
239967	7/10 7/14	Thordarson Elec Co M Is	Request orders for transformers.W To M.Is.--7/30
242008	8/3	To E.J.Simon	Reqt overhaul dimension drawings covering transformers. W Simon fwds outline prints9/10
243048	8/9	NY	Norf transformers; report of test will be forwarded about August 13th.W
243433	8/10	Thordarson Elec Mfg Co	Transformers; request copy of specns .W To--8/21
244764	8/20	RB 1-3 Fwd NY--1/4 To Atl Com Co	Fwd NY--11/19 To NY--Auth make proprietary reqn for necessary transformers.11/24 Reqt quotations on delivery of six 1 K.W. and six 2 K.W. transformers. W GE Co request price for manf 9/26 Atl Com Co 8/24 To N. Y. Jan 4 received back 5;18 ToNY--Directs prepare reqn for 6 transformers.10/1 RB 11/16 To GE Co--Reqt infor as to time of delivery on six 2 K.W.,transmitters. 9/5 NY 11/13 To Norf via S&A--Instrns.10/2
244613	8/30	To Harris	Fwds specns covering transformers. W

NB—0120

[OVER.]

TRANSFORMERS: RADIO. 1914

Number.	Date.	From or To—	Subject.	
114292	1-2	NY 960-1	Oscillation transformers; revised estimate.W To---appd.1/8	
114874	1/13	NY	At.Com. Co. apparatus: all material has been finally accepted except special transformer under contract 546.	876
114857	1/6	NY	Reports issue of material under cont. 545, covering motor generators, transformers.	876
115951	1-24	Wirelss Spec. App.Co.	States have perfected oscillation transformer which believes does away with so-called infringement.W	
116838	2-3	NY	Transformer turned in by GALVESTON; reports re-rating of.W To---turning into reserve stock appd.2/6 Fwd CO via Pug.Sd.2/6 Feb 6 16	
No #	3/12	To NY	NY recn.1515 for hard keys for radio; asks if possible to design and mfr at yard; if so, mfr authorized.W&R	
120791	3-24	GE Co	High voltage transformer suitable for making high potential tests, radio; reqt Bu send representative to examine.W To---3/30.	

NB—0120

N.S.E. Form 134.

TRANSFORMERS: RADIO 904

Number.	Date.	From or To—	Subject.	
124475	5-7	NY 935-855-11	Transofmer from Marconi Co. Reports on test of; submits photos.W To---To Marconi Co·new type of transformer approved for del. upon all outstanding contracts.5/11	
130365	7/20	To GE & Pitts.	Mercury converter; request printed information as mfrd by.Westinghouse Co.and GE Co.W Pitts fwds report 7-24 To Pitts returns receipt for technical data.7/27. GE fwds printed matter 7-28	
133360	8-29	N.Y.	Recomds. for new - in connection with M.I. alternator	882-3
134027	9-1 9-8	Henry , A.M. Dept	Oscillation transformer; writes on behalf of harles Horton. L To-- Bu would be pleased to receive details and descriptions. 9/10	
141891	12-11	M.I:	Estimate for	882-3
			1915	
152586	4-2	M.Is	Fwds sample of bakelite impregnated wire; taken from NERO set; mfg by Wireless Imp CO.W	
190816	6/13	Norf	Portable transformer; believe Weston Co will undertake manufacture; Norf Laboratory	916-4
			1916	
182374	6/23	To NY	SAN FRANCISCO; submit requisition for transformer	389-6

NB—0120

[OVER.]

1918

TRANSFORMERS.

Number.	Date.	From or To—	Subject.
284515	2/27	To Amer Trans Former Co	Rec communicate with Amer Rolling Mill Co re steel for high frequency transformers. W To Amer Rolling Mill Co--Gives action.2/27 To Wm. S. Stephenson--Fwds copies of above.2/27 Amer Transformer Co-States losses in transformer at 500 cycles depends mostly on thickness of sheet. W
285893	3-1	American Transformer Co	Relative to airplane wrecking derricks - forwards copy of correspondence with airplane stations, relative to type to be furnished. DA Quotes prices on transformers and reakronsies. W **Belden Mfg Co--T-unable to give definite promise on American Transformer order.3/5** Belding Mfg Co-Unable to give definite date of delivery of material for American Transformer Company. W 3-8
285446	3/2	To Belden Mfg. Co	Ask delivery date Amer Transformer Co their order 7252. Material urgently needed. W
285883	3/4	To Belden Mfg. Co T	Ask best delivery Amer Transformer half order 7252. W Belden Mfg Co--fwds copy of letter to the Amer Transformer Co re shipment.W
286627	3/8	To Century Telephone Constr Co	Directs fwd weekly report to Bu of number of transformers shipt, and also prospects of completing remainder of contr. W Century Telephone Co 3-27 To Century Tel Co-5-6

Sanitary
Sani Cent Tele Co-3/13
To--Schedule satis to Bu.3/21
To--4/11
Century Tel Co-4/20

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N. S. E. Form 134.

904: TRANSFORMERS.

Number.	Date.	From or To—	Subject.
288765	3/12	Westinghouse Co	Transformer for 5 kw sets-reqt copy specns called for on reqn. To--3/14
		To Norf--Fwds copy of letter to company. Instrns re submitting future reqns for radio apparatus.4/3	Westinghouse E&M Co-states have had no experience.3/25 To--4/3
291215	3-19	Norf	10 kw radio transformer - forwards vandykes.W
		To Norf. Author. to manf.1 2KW radio transmitter. W3 6/20 Norf. 6;26 Norfolk-Fwds vandykes W 9;3	To--Auth build. 4/2 To Norf--Auth build/. Ask reasons for certain omissions. 4/9 Norf 4-22 Norf - Fwds prints. W 6-13
283971		CARD 11	Norf-Fwds recommendations in regard to measurement of transformer efficiency.W 3-29 Boston.W. 4/6 Phila-4/6 M Is-submits report on measurements of transformers efficiency.4/5 Marconi Co-4/12 F.Lowenstein-4/20 Mare Island - 4/25
296904	3-26 4-9	Edison Storage Bat Co Ports VOID	Request authority to substitute copper in lieu of iron tanks for battery testing out - fit being furnished Ports yard. L
296841	4-1	M Is	Marconi transformers, 1/2 kw, 500 cycle test - forwards report on. W
		To Mare Island-- 5-14 Mare Island 5/29	To Marconi Co- In re report of test at Mare Island--4-25 Marconi Co-5/4-Submits infm re proper working of transformers.W
297406	4-11	NY (N. Y. fwds prints	One kw telephone transformers - forwards prints. W. To Gen'l ICo.Encl.copy bulletin.6/27
		To--Comments on.4/17 See Card 14 To Gen. Insulate Co---5-3 To Gen Insulat-as rqsted-5-24	To--Reqt further advice.4/17 NY 4-24 Gen. Insol. Co. enc. not rec. W 5;14
297719	4/12	GE Co	Quotes price on audio frequency transformer.

4—3381

[OVER.]

1913

Number.	Date.	From or To—	Subject.	
97445	5/16	Atlantic Comm. Co.	2 & 5 Kw sets, asks if transformer must have solid insulation.	876
98097	5-24	Atlantic Communication Co	Transformers for 5 kw sets; will take 3 months to obtain 7 from Berlin; can make arrangements to manufacture in this country and deliver by July 1st price $120. W Fwd S&A.Request Co be informed that their offer is accepted.5/27. S&A At.Com.Co. accepts order.5-28 Fwd S&A.5/29.	
97198	4/25	Pug.Sd	PITTSBURG, cont. 17447, transformer furnished by Telefunken Co. has proven defective	342--6
100372	6/13	C.O.	MINNESOTA: reports breaking down of, and gives description of name plate	290--6
101194	7-8	NY 855-30	Standard oscillation; reqt. authority to develop improved type. W. To---appd.7/11.	
101195	7-7	NY	ANNAPOLIS. ~~Relative to transformer to be supplied~~ reports on difficulties in using telefunken type.	117-6
103878	8/13	Pac.Flt.	GALVESTON: transformer from WEST VIRGINIA installed to prevent delay, one received from NY wrong voltage.	212--6

N.S.E. Form 134.

904 TRANSFORMERS

Number.	Date.	From or To—	Subject.	
546	10/23	At.Com.Co.	States have delivered 9 transformers with solid and one with oil insulation, instead of 8 and 2 as called for.	629
109203	10-31	Marconi Co	Invites attention to new closed core transformer.W To---directs communicate with NY yard in regard to tests.11/1 Fwd NY.11/1 RB 11 11	
110042	10/17	C.O.	Princeton Reports receipt of new Auto transformer for radio, reqt instructions re disposition of	old. 363-6
110372	11/14	Arlington	Reqt Wash.Yd mfr primary for oscillation transformer for 6 Kw set.	841
111481	11-28	NY 870-855-9	Oscillation transformer; reqt. that supplemental contract be made with Westinghouse Co. for extra Micarda tubes; also contract with Electrose Mfg.Co for additional insulators.W To---reqn 167 submitted for.12/1.	
111410	11/26	NY	PENSACOLA: have no rotary converter, gives list of motor gen. sets which can be substituted	827
113313	12/20	Ord	ARLINGTON: oscellation transformer, est for mfr	841

NB—0120

[OVER.]

1912

Number.	Date.	From or To—	Subject.	
83468	11/25	To Nat.E.Sig.Co.	Cont.13525: trouble experienced principally with armature reactance of alternator. Requests specifications to enable purchasing suitable alternator.W	
83616	11/23	NY	NEW ORLEANS Sta: reqt additional data re size, believes has one in stock.	821
84075	12-3	Nat.Elec.Sig.Co	Gives description of alternator furnished with transformer under contract 13525. W	
84158	12/4	M.Is.	DENVER: primary variometer, Telefunken set burned out, reqt auth. to ship new via Cleveland.	184--6
84545	12-7	Telefunken Co	Defective variometers issued to CLEVELAND and DES MOINES. Gives probable cause of trouble but will not make any charge for new. W. TO---& CLEVELAND & S&A.& NY. Instructions re returning variometer to Co.12/10. RB 12-18-NY. Fwd S&A. Reqsts GSK NY be instructed re parts to be returned to Co.12/18. RB 1-6 RB 12-24-Cleveland	
			1913	
87127	1/4 1/8	Telefunken Co. NY	Requests that defective veriometer returned by the DES MOINES be returned to them.W	

N.S.E. Form 134.

TRANSFORMERS: W.T. 904

1313

Number.	Date.	From or To—	Subject.	
88621	1-24	NY	Variometer received from CLEVELAND; if failure due to defective insulation Telefunken Co. will not replace free of cost.W. To---Believed coil was defective.1/27 NY have supplied new variometer EX CLEVELAND. 1-31	
17854	2/6	Pitts	Transformers for Pearl Harbor, copy of report 629	
91486	2-17	Telefunken Co.	Fwds report on defective variometer turned in by CLEVELAND. W. Fwd NY.comment; repairs authorized.3/5.	NB 8-10
94184	4-3	NY	Variometer sypplied by Telefunken for 2 kw sets; numerous breakdowns; Manager feqt. permission to delay replacing until new fact ry is in operation; recommends that one spiral coils be furnished ships pending replacements.W. To---approves mfr for stock of six flat spiral coils.4/7. To---,CO,S&A,request shipment of one flat spiral coil to the TENNESSEE.4/8 NY yard 4/16.will mfr for TENNESSEE.W	
96317	4/28	Pac.Res.Fleet	Pittsburg, transformer, states one furnished by Pug. Sd. not of proper capacity.	342--6

1315

NB—0120

[OVER.]

TRANSFORMERS, W.T. 1912

Number.	Date.	From or To—	Subject.	
69906	5/27	C.O.	BAILEY: reqt transformer furnished by F. Lowenstein be exchanged.	124--6
72428	6/28	NY	Reports on test of transformer,etc., furnished by Wireless Imp.Co. for Key West.	898
72860	7/8	To NY	CONNECTICUT: Quotes report on transformer radio set; requests comments.	of 169-6
73058	7/10	NY	CONNECTICUT: Spare transformer shipped 7-3; taken from set furnished by NES Co. cont. 14344. Rec damaged one be returned to yard for repairs.	169-6
73283	7/10	Norf.	CONNECTICUT: transformer;est for repairs.	169-6
74153	7/23	Ord.	NEW YORK: report on Rotary converters and transformers made by Board on S.CAROLINA in connection with.	131--4
✓ 74819	8/2	To G.E.Co.& S&A.	Transformer, #769702; being shipped from Washn yard for repairs; request shipment order. W. GE estimate for repairs. 9-10 To--GEhas submitted reqn to cover	9/13
✓ 78134	9/16	To Wash	Current transformer, reqn for repairs to.	

N.S.E. Form 134.

TRANSFORMERS: W.T. 904

Number.	Date.	From or To—	Subject.	
79326	10-1	GE Co	Asks if transformers for radio work; if Bureau will accept those used with oil insulation in iron case; also data on time signals, and radio code. W. To-- 10/3	
80975	10/24	To Telefunken Co.	Primary variometer coils; great difficulty experienced with those supplied under contract 14747 -- burned out on DENVER, CLEVELAND and DES MOINES. Asks information as to means propose employing in future to remedy these defects.W To NY,and the 3 ships. Asks if apparatus has been ret to N- for repairs.10/25. R B 11-29 Demand NY reports non-receipt material.W. 11-1 DES MOINES; will ship via BRUTUS.11-2 CLEVELAND 11-8 DES MOINES shipped via BRUTUS 11-17 To---Quotes reports.12/6.	
81264	10-28	Telefunken Co.	Replies re complains de ective variometers on sets supplied under contract 14747. W. reports DENVER cause.12-7 To---Ack.10/29. TO DENVER, DESMOINES, and CLEVELAND.Fwds copy of Co's letter; recuests full report.10/30. DES MOINES 11-8 BLFB11/26-Cleveland To CLEVELAND.directs CLEVE-ret.one to NY yard.11/26.DENVER 11-19VAND ships	
81577	11/1	Bost	LIGHT VESSEL, transformer for, Diehl do not mfr	678
81990	10-28	Telefunken Co.	Defective variometers; reqt. one from DES MOINES be returned to Company for examination without being tampered with by Govn. Believe defects caused by overloading.W. Fwd 3&A.Rec old coil be shipped to Telefunken Co.11/8.	
83037	11/17	C.O.	DES MOINES, reqt additional variometer be supplied, present one broken, unable to rppair.	185--6
83141	11/21	New Orleans	Transformer broken down, station out of com.	821

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
59274	1/22	To STRINGHAM, DOLPHIN & Academy	RECEIVING & S.Sets: fwds copy of directions for operating the transformer and quenched spark gap of wireless set.	898
59711	1/27	To NY	RECEIVING SET: transformers and quenched spark gaps delivered under NSA Bu. reqn 188, Directs install one set on Roe, ship as followes: one set each to Mars, Hector & Vulcan, four to Cavite for Asiatic Fleet. Fwds copies of Directions for operating.	898
55908	2/14	To NY	Sched.4084: 8 transformers for WIRELESS outfit of TBDS & Colliers:	706
61542	2/14	NY	RECEIVER: fwds prints of directions for using transformer with quenched spark set	898
62217	2/27	NY	APPAR: reports distribution of 2 kw motor generators and transformers furnished under reqn 260, 2 outfits remain instore	876
62614	2-23	Pug.Sd 293 OREGON	Reqt to be advised of status of reqn. 293 covering: United W.T. Co. refuse to make further delivery.W To---Should be obtained elsewhere.3/9. Pug.Sd. cancel reqn.3/16 W-R Fwd S&A.Rec reqn.be canceled.3/22.	
62512	3/4	To S&A	MISSISSIPPI: Request shipment of one Shoemaker 5-K.W. transformer from NY to Phila.	291-6
64297	3/20	Ports	PORTS: reports stubbing out transformer: asks if it shall be removed from store owing to low state of funds.	832

N.S.E. Form 134.

TRANSFORMERS: W.T. 904

Number.	Date.	From or To—	Subject.	
65305	433	Lowenstein, F.	Has made improvements in; offers to alter one supplied Key West free of charge.W To---Fwd NY. directs NY permit removal in order that improvements may be made.4/5. R 4-17	
67066	4-24	Marconi Co T	Have new type converter:occupies half space Reqt. Mr.Martin be detailed to examine; telegraphic action.W Fwd.NY.if delivered at yard, directs test and report.4/24. (T)to---Will test at NY yard.4/24.RB 5-2	
67202	1/25	Marconi W.T.Co. (Letter and Telegram)	States impossible to send a new 500 cycle CONVERTER to navy yard. Reqsts man be sent to their works to examine.W To---NY yard will inspect, if offered. Comments and criticisms on tests of set in Washn.4/27.	
67581	4-30	Marconi W.T.Co	Replis to Bureau's comments on oscillation transformers; can manufacture to meet requirements; comments also on set to be supplied on contracts 251 and 221; capacity of setsn and price on Weston frequency meters.W To---Comments.5/4.	
67787	5/3	To NY & S&A	JUPITER: 500-cycle radio transformer, purchased under NSA reqn 116, for, to be retained at NY for some other station. New Outfit assigned to Jupiter.	816
68300	5-8	Marconi Co	Replies to Bureau's letter May 4th, 67581-904 in reference to effect obtained, states exact capacity can be gained by removing the plate from series.W To---Ack.5/10.	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
42324	6/27	Nat.Elec.Sig.Co.	SYSTEMS: Calls attention to new 2-k.w. transformer and quenched spark gap developed by Mr. Simon. reqt opportunity to have tested.	901
46031	8/7	Pug.Sd 2355	Reports test of Kilbourne, 500 cycle rotary converter.W To Kilbourne & Clark Mfg.Co.Forwards copy of report.8/22.	
46275	8/11	NY	APPARATUS: reports test of apparatus rec'd from Wireless Spec. App. Co.-500 cycle, consisting og generators & transformers	876
47099	8/16	C.O.	MARIETTA: reqt new transformer for	278--6
52712	11/4	To NY	TESTS: transformer, two kilowatt, 60-cycle; asks if there is one at yard available for experimental purposes at Washn Yd.	903
53041	11/8	NY	TESTS: reports 2 transformers in store available for testing purposed	903
53363	11/10	Phila 2041-9	Asks what disposition made of rotary converter for wireless tested at Yd.W To--Retain at W.Sta. until shipment is reqt.12/5.	
53884	11/15	Dier, W.A.	Asks if Clapp Eastham transformers used in wireless work are satisfactory. W To--Gives information.12/6.	
55781	12/8	NY	Reports on inspection & test of quench spark gap and transformers, Reqn 188-Bu.	898

N.S.E. Form 134.

Transformers, 904

Number.	Date.	From or To—	Subject.	
55979	12/5	M.Is	GOLDSBOROUGH: mfr and install inductively cabled oscillation transformers and make alterations to spark gaps.	218--6
55980	12/5	do	HOPKINS: do	233--6
55882	12/5		Hull:	235--6
55983	12/5	M.Is	IROQUOIS: do	246--6
55978	12/5	M.Is.	PREBLE: do	361--6
55986	12/5	M.Is.	STEWART: do	413--6
55981	12/5	M.Is.	TRUXTUN: do	450--6
55984	12/5	M.Is.	WHIPPEL do	479--6
56188	12/5	M.Is.	PAUL JONES: do	338--6
56855	12/25	Bost	NASHVILLE, transformer received from Ports not item called for: no other at Ports. etc	306--6
			1912	
57760	1/3	Dier, W.A.	Reqt. to be informed result of test of Clapp Eastham transformers. W To---Test not entirely satisfactory.1/6. To Clapp-Eastham Co. Bu solicits test at Bu.Standards, new type 1-K.W. wireless set wit h rotary spark gap.1/6.	
58426	1/10	Clapp Eastham Co	States are forwarding 2 kw quenched spark transmitting set and transformer to Nav.Lab. W To---ack.1/15.	

NB—0120

[OVER.]

FILE No.		From or To— (Dated)	Subject.	
33343	3/8	TO Nat.Elec.Sig.Co	Under contract 341; unsuitable and does not make requirements as specified in reqn. on which contract is based. W	
33756	3/13	Telefunken W.T.Co.	APPARATUS: quotes price on: & Motor gen set for 2 & 5 Kw sets	876
33993	3/17	NY	APPARATUS: Garwood Elec.Co. not mfg generators or transformers	876
34102	2/24 3/14	Nat.E.Sig.Co S&A 112612	Relative to rejection of transformers on contract 341; Fire Island. W Fwd Dept. Understood that contrs will make good 3/25.	
34040	3/16	Nat.E.Sig.Co	representative Suggests GE Co. have visit New York Yd. and take matter up personally with Mr. Martin relative to failure of transformer to meet requirements. W Fwd N.Y. 3/20. R.B.3/25	
35333	3/23	Pug. Sd	OREGON: recommends cancellation of award for transformer for wireless set and submission of new requisition: gives specifications to be incorporated in.	326--6
35761	4/8	Brook	Cont.	
35912	4/11	To Norf.	Norf.W.T. fwds copy of reqn 290 oscillation-	824
36251	4/15	To Pug.Sd	OREGON: fwds copy of reqn 293	
38423	5/11	To C.O.	NEW HAMPSHIRE: reqn for induction coil disapproved: make reqn for transformer: Will transfer condemned compressed air condenser to some other station.	312--6

904
TRANSFORMERS: WIRELESS:/

FILE No.		From or To— (Dated)	Subject.	
28808	1/10	Lowenstein, F.	Quotes prices on, and gaps for quenched spark operations. (W) To -- Reqn. will be prepared for 1/11. To N.Y. fwds. copy of req'n. 1/13	
29322	1/18	Key West	DIXIE: reqts action re furnishing	188--6
29417	1/17	NY 855705-121	Quenched spark gaps and transformers; reqn. 188; asks for what vessels. Cont.12874. To -- assignmt not fully decided 1/20.	
30673	2/2	To NY	GEN.SET & Transformers: reqt self induction of armatures be measured	882--3
30815	2/3	Lowenstein, F.	AND spark gaps; contract 326; requests to be informed self inductance of generators; jar capacity of condensers. W Fwd N.Y. to fur.information reqstd 2/4. R.B.2/8	
30798	2/3	To NYYd	ST AUGUSTINE: transmitter racks: directs transformer be made of inductively coupled type	834
30850	2/2	NY	FIRE ISLAND: reports rejection of 5KW transformer reactance regulator: cont.341-n.	812
31141	2/8	To S&A	COnt:14418: Motor generators & transformers for wireless purposes, M.Is. reqt point of delivery be changed to N.Y.	629
31349	2/10	Brook	DIXIE: fwds test report on	188--6
32427	2/25	To Wash	fwds copy of reqn 231 a covering wireless transformers and inductances, etc	876
33159	3/7	Phila	APPARATUS: transformer & inductances: reports arrgt for shipment to Norf. and Wash	876
332/3	3/7	Nat.Elec.Sig.Co.	CAPE Henlopen: fwds bill for oscillating:	804

NB—0120

Number.	Date.	From or To—	Subject.	
620333	5/3	To Inspr Cramps Shpyd.	Inform on Motor Generator For Sound Transmitter W	
627023	6/7	T. Manning	Request instructions rel to adjusting t tuner to various wave lengths. W. To Tracey Manning- Gives suggestions	6/14
55070	12/27	Washington	Submits report on inspection of sample type SE 1772 antenna tuning system submitted by DeForrest Co W	629

N. Eng. 134

Number.	Date.	From or To—	Subject.	

TUNERS ETC 1920

Number.	Date.	From or To—	Subject.
659 527759	10/20 11/3	Great Lakes 9th Dist.	Proposed tuners for shore radio stations; fwds data in conn with;(data not enclosed). W.
CANCELLED see confidential files			fwd Washn 12/1 RB 12/27 W Bakelite Co.-
548510	2/14 2/25	Bakelite Co. N.Y.	Request authority to use article cov 5 KW wave changer of tuning coil built up by Bakelite Sheet for advertisement purposes. W Fwd NY 3-14
13639-197	2/10	Comdt. M.I. ---Eng	Radio Telegraph- Tunes for shore radio stations of the Naval Commu. service on the Gt. Lakes Alaska Pacf. C
13845-197-W	2/24	Eng---D.N.C.	Radio Tele Wave lenghh assignments for shore stations.
13845-197	2/18	Eng----All Comdts	Radio Telegraph- Wave lenght assignment for shore stations.
13639-197	3/9/21	Comdt-- Bu Eng Radio Telegraph	Tunes for shore radio stations on the Pacific Coast and in the Pacific.
13629-197-W	3/21/21	Eng Commu	Radio Telegraph -Tunes for shore radio stations of the U.S.N. Communication service- Comment on.

4—3381

905

TUNERS N. Eng. 134

1921

Number.	Date.	From or To—	Subject.	
566524	5/27	Dept 846	Fwds copy of patent and description, by Capt. G. Hill, covering wave changer for radio transmitters designed for use on two or more antennas- also general data regarding claim, in conn with. W	
BELOW			Fwd Sec 8/13 RB 9/6 W	
		To G Hill	Authd 9/12	
			Dept-11/28- Fwds plans of Capt. J. Hill cov award for developing wave changer. W. Beneficial Suggs	
		see below-------To	Dept- Beneficial suggestion 1/4/22	
567785	6/4	Communications	In conn with length of working waves for shore stations. W	914
578779	8/6	To Commandants	Directs radio transmitters on vessels for over haul at yards be not returned by Yard Force unless Ship's radio off. asquiesces in retuning. W	914
14005-595	5/18/21	Eng D.N.C.	Radio Telegraph- New length assignments for Shore Radio Stations of the Naval Communication service.	
13629-595	6/2/21	Eng D.N.C.	Radio Telegraph— Tues for shore Radio stations of the Naval Commu. service.	
13629-595	8/19/21	Eng D.N.C.	Radio Telegraph- Tunes for Shore Radio stations of Naval Commu. service.	
566524	FROM ABOVE		To Dept- Beneficial suggestion-1/4/22- RB 1/9 approving award of $500 to Hill and $500 to Clark. W Fwd Dept 1/12 RB 1/17 W.	

4—3381

[OVER.]

TUNERS ETC

Number.	Date.	From or To—	Subject.	
488703	4/20	N.Y.	Proposed coupling control for Navy standard wave changers - fwds prints with comments on.	W
490266	4/27	Bar Harbor Copy	British station request use wave more remote. X 892 Bar Harbor 4/29 Copy W.	W.
491822	4/20 5/5	Seattle Radio Sta. Communications	Request be authorized to work ship's equipt with continuous wave transmitters on 2400 meters instead of 600 To Comdt Puget Sd. rel adjustment to wave length of 2400 meters 5/7 copy Com PCCS DCCS Pug.Sd.- Seattle and Marsh Field Stations adjusted for operation on 2400 meter wave lengths. 5/19 W. To Comdt Puget Sd. adjustment to wave length of 2400 meters 5-26 copy Com and PCCS DCS 13th	W
493400	4/30	Mare Island	Fwds report on GE tone traps.	W.
494024	4/23 5/13	CO UTAH Atlantic Fleet	Subm comments on operation of new forced tune system apparatus during visit to Southern waters. Atlantic Fleet- Subm comments from CO ARIZONA. 5/13 Atlantic Fleet- Report of CO UTAH.5/18	W. Y W

905

N.S.E. Form 134.

TUNERS: ETC

Number.	Date.	From or To—	Subject.	
502490	6/30	Bur Stand. Labr	Subm report on standardization of transmitted wave lengths. W.	
508963	7/14	Pearl Harbor	Copy detailed instruction and information rel to wave lengths for Naval vessels and aircrft. W. To Comt Pearl Harbor. 8/11	
515667	8/30	Mare Island	Ask if Bureau in position to assign transmitting waves to various stations. W.	
517851	9-16	Phila	Request wave lengths of various classes of ships: W fwd Comm 9/24	
517934	8-28 9-17	H.G. Cades Dept	Communications- Gives policy covering equipt of Naval vessels for receiving. 9/28 W 914 To Washn 10/4 Makes beneficial suggestion for money award on means of eliminating undesired frequencies in radio work: W (Rewards) fwd Sec 10/21 RB 10/23 W	
524569	11/4	N.Y.	Proposed lamanated contact for incorporation in Navy Standard wave changer- fwds print with comments on. W.	

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[OVER.]

TUNERS: ETC.

Number.	Date.	From or To	Subject.	
446915	9;22	Wash Yrd	Type SE 84 tone testers, sug infor be obtained from various yards, asks as to future demand. W To Cdt, Washington does not rec purchase 10/4	
462850	11/25 12/5	PCCS M Is	Wave lengths in use in radio stations in 12th Dist - fwds correspondence in connection with - W Fwd D.N.C. - copy to Cmdt Mare Is. 12-15 Mare Island - Request action. 4/29 W	
465084	12/16	Mare Island	Calling waves at Stations in 13th Dist- fwds correspondence in conn with. X 895. To Pug Sd- 1-10copy to M Is. Pug. Sd. 2/21	W
468488	1/3	Puget Sound	Fwds letter from Gunner C. M. Miller with sketch showing locking of loading coil for 5 KW Navy Standard transmitter. To PAC FLT-1-14	W.
467801	1/10	To Wash Yd	Fwds prints Force Tune System, radio apparatus. W	876
469429	1/14 To Fed Tel (T)- 1-17 Fwd D.N.C. 1-17 RB-1;21	Fed. Tele. Co. T	Subm recommendations in conn with changes in wave lengths so that same may be used by Shipping Board vessels. X 771-2	W.

905: TUNERS: ETC:

1920

Number.	Date.	From or To—	Subject.	
471780	1:22 Norf. 2/6 Boston 2/4 To Comm 2/10 To Com 2/10	Comm	Retubing of radio transmitters-suggests same be 2400 meters. To Boston reqst report 1/27 copy Com Boston and Bar Harbor. W To Norf 1/27 To NY 1/27 NY-1:31 To Comm 2/3	
473203	1:26	Pug Sd	Calls attention to errors in prints of forced tune station. W	
473781	1/27	Pac. Fleet	Tunes for Naval vessels and aircrft - gives wave length specified for various classes of vessels.	W.
481810	3/5	Bu. Stand.	Fwds paper by Dr Austin on "Tuning Receiving Sets." - W	
482347	3/18 To Washn. problem complete 8-14 Washn.- Fwds vandykes- 8/25 W.	Wash	New wave lengths assigned to emergency spark transmitters for Destroyers - necessary to add sufficient inductance in primary circuit - ask if Yd shall undertake - W To Comdt Washingt n 3/25 Washne Fwds vandyke of design of addtl leading inductance. 8/11 W. To Comdt Washn. reqst prints 8-12	
488234	4/13	Pug. Sd.	Spanner wrench for use with piping contact nut; insulator fittings for antenna lead - fwds prints with recommended changes.	W.

875

4—3381

N.S.E. Form 134.

1910

TUNERS; ETC.

Number.	Date.	From or To—	Subject.	
390089	1;28	GE Co	Order cov tone trap not yet received, asks if shall mfg. To--- Asks that confimmation of price be fwded and contract will be sent them 2-1 GE Co- 2;3	W
392238	2;4	Inst of Radio Engrs	Asks if bureau interested in writing paper on ship radio com at various wave lengths. To---Ltr refd to Director Naval Communications as being matter under his cognizance. 2-10 Fwd Dir Nav Comm 2-10	W
388585	2-8	To N O	Resume Annapolis test 17,000 meters until Feb. 18th - W	
396118	2;17	Com	Sub list of work, tunes to be used when transm official traffic stations listed. To---States that work. wave has been assigned to Cape May for transmis ion. 2/20 To---States that work wave has been assigned to Bar Harbor. 2/20 To---States that work wave has been assigned to Cape Hatteras. 2/20 ~~Ex~~ 2nd District 3/1 ~~Cape May-Letter of 17th being complied with. W 3;2~~	W
397808	2;17	MI	Wave change drawings with dimensions properly marked., fwds.	W

905

1919

Number.	Date.	From or To—	Subject.	
409461	3:20 4;7	American Embassy, Paris Naval Intel	Multivibrator, tuning fork and exper notice for use Inter-Allied Com, req be furnished. To Naval Intel- acknow of receipt 4-16 To Inter-Allied Radio Com. acknow receipt 4-21 To Naval Intel Director-Acklgs receipt of tuning fork. 4-26 W Naval Intel- 4;28	
412753	4;19	Com	Fwds letter from Com superintendent NY req information concerning tuning on naval vessels.	W
435158	7/28	To N.Y.	Sec of Navy establishing wave length of 750 meters for all radio comp work. reqs stations 3rd Dist be calibrated. W. To Boston- ditto 7/28 To Ph- ditto 7/29 To Norf ditto 7/29. To Chasn 7/29 to No ditto 7/29.	919-1
202061	From Card 9		Wash- New Orleans coil been compled and will be shippped about 22nd, recs that articles be purchased from Fed Co and balance of order be cancelled. Cross to 821. To Washington- canc of job orders covering mfg of coils for stations Guantanamo Key West and Chasn- arranged with Fed Co for installn at Guantanamo 9/24	

4—3381

TUNERS: ETC.

Number.	Date.	From or To	Subject.	
311636	5/28	Marconi Co	Request Bureau's assistance in obtaining delivery of canvas and bilecto spokes from Electros Manuf Co - W To Electrose Mfg Co - Rqst status delivery orders 9749 and 9750 - 6-4- Electros Mfg. Co 6;6	
312608	6/1	NY	Fwds retraced drawing showing one KW loading coil - W	
314871	6/7	Marconi Co	Wave changer rqst permission to proceed with mfe in accord w same dwgs used onctr 30864. W To Marconi. Author. above. W 6/17	
315641	6/10	Wireless Specialty Apts	Co Fwds wave length tables. W	
318416	6;18	Phila.	Reqts yandykes showing waive changes. To Phila. Fwds. under separate cover 1 compl. set of yandykes. 6/26	

N.S.E. Form 134. 905

TUNERS: ETC

Number.	Date.	From or To—	Subject.	
326264	7;13	Dr L W Austin	Submits report on resonments for radio tel. W To Coms. Fwds. copy of Resonance Measurements In radtel. with the Oscillating Audion. 8/17	
322755	6;28	New York	Fwds test one k w transmitter. W	
365570	10;21	15th Dist	Rec replacing of radio tuners on scout patrols, Atl Sec.	
351315	9;16	M I	Waive changes and req vandykes. To M Is Fwds vandykes rqstd, 9-28	
365977	10;24	Marconi Co	Have been using building brade on waive changers. W	
377387	12/13	Phila	Conf tel covnrsn re to change in waive length of radio set for destroyer	876
387547	1;13 1;20	New Brunswick Com Superintendent	Sub report of test of out going coil.	

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[OVER.]

TUNERS: ETC

Number.	Date.	From or To—	Subject.
301943	4-27	NY	5 KW loading coils - fwds prints. W
301701	4-30	To NY	Radio Tel. Inductance-Drawing RY 33F 171-4-30 New York fwds blue print showing transmitter inducting coils. W 5;13
302817	5-3	ToNY	Radio Tel.Standard wave changer and loading coil spokes- Encloses letter form Electrose Co W- To Electrose Co-Deliver sampke se of spokes to NY for test-ifnot already done so--5-3 Electrose Mfg Co 5/7-Will fwds complete set of spokes to NY if so desired. To New York stating samples of spokes have been deliveredfor approval, and asking for recommendation, 5-13 New York 6;18
305094	5/8	N Y	1 K W loading coil for panel mounting- fwds prints.W To New York re suggestions for allowing drawing of Loading Coil for Panel Mounting, 5-13 New York - Reqts prints; 6;18
305124	4/29 Mare Island TEL. 126 meterradio set ship 5-23 W 5;23	Mare Island	Fwds report on wave lengths.W TEL. Mare Island can ship transmitter 5;18 equip. with motor generator selvage for Mill. W 5;13 To Mare Island (T)- Bu urgent need of short wave transmitters with power for 25 miles. Wire cost and date you could complete set as described in RM 3 A 149 A ~~-126~~ 126 meter wave desired tuning must be sharp continuous wave not desired-5-11 To (T) Mare Island-Mfcr on e twenty six meter radio set using salvaged motor generator -Receiver desired-ship wash Yd express urgent Notify Bu bill lading when shipped 5-14

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
306315	5;10	New York	Fwds drawings of 1 k w loading coils W	
306040	5-14	To NY	Fwd Bu 5 vandyke copies and 2 blueprint copies lates alteration Drawing RY 34F 157A-5-14 New York fwds prints, 5;22 W	
307086	5-16	To Marconi Co Internat'l R T Co - Data might be secured from Marconi Co -6/6 To Marconi, Ack. recpt. of let of 6/5 W 6/11	R st report and the necessary curves beprepared and fwded covering the self and mutual inductance of 1 KW loading coils and wave changers with both 15 and 19 turn coils as shown on radio drawing 10RE 43F1091A -- W To Int Radio T l Co- Ditto--5-16 Marconi Co-fwds prints of data secured by test Dept of inductance curves for panel sets 5/29. Marconi Co. Fwds prints, 6;5. W	
307087	5-17	To Manhattan Elec Sup Co	Returning one radio tone tester, W	
307666	5;16	New York	Recommends pin on 5 k w wheel type inductance be eliminated. W	
309746	5;23	New York	Fwds drawings showing 10 k w transmitters indicating coils. W	

4—2381

[OVER.]

1918

TUNERS: ETC.

Number.	Date.	From or To—	Subject.
290701	3/21	To Wash	Tone tester, type SE 84. Recommendations re modifications to make in. W
292116	3/22	NY	Loading coils-1 kw - fwds plans.W To--Appvs changes indicated.3/26 To--4/5
292864	3/25	NY	2 kw loading coils fwds copy of mfgring instrns giving ~~xxxxxx~~ data of prodaction to be exercised while mfgring.W To NY--4/2
292231	3/26	To NY	5 KW loading coil mounting. Ask if have been mounted on wave chnger as indicated on drawing.W NY--recommendationsz/4/2
293979	3-30	Foote Pierson & Co	Induction coil - quotes price - largest they have on hand is "12. DA"
294940	4/4	To NY	Reqt for radio drawings listed. W NY--loading coils-fwds plan. 4/10 To NY-- App. and assignment of type numbers to 1-KW Loading coils--4-30
294802	4/5	To NY	Mounting of 5 KW loading coils and wave changer. Reqt Vandykes covering. W
295055	4/5	To NY	Drawings of 1, 2 5 and 10 KW wave changers. Gives status of. W

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
296023	4/9	To NY T	Reqt turn over from Radio Lab to Supply Div for shipt to Wash one J-4 inductance coil and one mercury interrupter. W NY - T - Wave chargers expressed 4-14. W 4-16
297603	4-12	Washington	GE Company's transmitting induction coil- reports on and recommends against use of, on account of fragility. W To GE Report on coil- as submitted not adapted for Navy app. 4-24
298983	4/18	To Wash	Manuf of inductance load coils. Instrns in connection with. W
299842	4-20	NY	One kw loading coils - forwards vandykes. W
301127	4-27	To National Lead Co-	Expedite delivery sampoe set of moulded parts--W To Marconi Co- Info rqsted as to exact status of molded insulating parts employed in construction of Navy type wave changers and loading coils-W 4-27 To Wireless Spec App Co-Ditto- 4-27- Wireless Specialty Co. submits information in detail requested. W 5;16 Marconi 5;21
13639-595	4/22	Eng Comdr Pg Sd	Dadio Telegraph-- New Wave length assignments for shore stations. Of Commd Serv.
13639-595	4/22	Eng Comdt Ml	M.Radio Telegraph Tunes for shore radio stations of the Naval Communications Service on Gt. Lakes, Alaska, Pac. Coast & in Pacific.

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[OVER.]

Number.	Date.	From or To—	Subject.	
275518	1-18	Norf	Experimental work on remote control wave changer and wave length switch. Fwds prints. W	
275412	1-18	NY	Loading coil unit; fwds plans. W	
275280	1/22	To Gen Insulate Co	Fwds blueprints of plans listed. W To NY--Gives action. 1/22 NY 2-7	
276816	1-25	NY	Spoke insularors for 5 kw wave changers and loading coils; fwds vandykes. W	
276812	1-25	NY	Ground connector for 2 kw wave changes; fwds vandykes W	
276841	1-23	NY	Recommends that various radio manufacturers be notified that the Doehler Die Casting Co is in a position to fill orders for steel die castings for use on standard loading coil. W To--1/31 To Firms--Doehler Die Casting Co in position to fill orders for die cast gears. 1/31	

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
276943	1/28	To F. Lowenstein	Fwds Vandykes of drawings as listed for use in manuf of wave changers. W
~~277990~~			
278013	1-30	NY	2 and 5 kw rotating coil units - fwds prints. W
277920	1-30	NY	2 kw wave changer and loading coils: fwds vandykes.W
281948	2-14	NY	Five kw wave changers - fwds prints. W To--Comments on.2/23
282908	2/18	NY	Parts for wave changers-request authority to prepare proprietary requisition to purchase from National Lead Co-quotes prices and sizes required.W To--Auth have add'l dies constructed. 3/1
286041	3/6	To NY	Drawings of 10 KW wave changers. If drawings need revision, directs fwd Vandykes. W NY-fwds prints. 3-20
291223	3-15	F. Lowenstein	States drawing of name plates show wave lengths increased by rotating the arm in a clock-wise direction--states all sets furnished by him have wave lengths increased by running the arm counter-clock-wise.W

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[OVER.]

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TUNERS: ETC.

Number.	Date.	From or To—	Subject.
269137	12-22	NY	Insulating tubes used to support wire in wave changers and loading coils: reports on difficulty with Bakelite-Dilecto tubes, due to breakage; quotes from Continental Fibre Co. relative to approving their materials.W
To		Electrose Mfg. Co--Fwds copies of corres.1/21	To--Gives action in detail.1/10
To	NY--1/21	Electrose Mfg Co -W-1-23	To Firms--Ditto.1/21
			To Continental Fibre Co--Directs cancel orders of Marconi Co and Wireless Spec Ap Co and furnish material to Elecrrose Mfg. Co.1/21 (2)
268429	12/21	To S&A 12	Reqt shipt of radio apparatus from Wash and NY to ships. W
			To S&A--(8) Ditto.12/22
			To--(12) Ditto. 12/24
			To--(19) 12/26
			To--(8) 12/27
			To--(3) 12/28
			To CO SALEM Re disposition of aux. rad. transmitter set. 9/27
269608	12/28	To S&A	Reqt shipt of radio transmitters from NY and Wash to Ships. W
			To--Ditto (2)12/29
270790	12-28	Bu Standards	Test of capacities of condensers and coils; states will submit report in about 10 days.W
			To Sec War--Sec Sig--Fwds copy of above.1/8

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N.S.E. Form 134.

TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
271097	1/4	To S&A To S&A Reqts. shipt. of radio apparatus for PERRY from NY to PERRY 5/29 To S&A Reqts. shipt. of radio apparatus for PERRY from Wash. to PERRY. 5/29 To NY. Encl.copies of lets. 7/8 New York - Reqst action - 7;5 New York - Material for Perry due on cont 7;8 NY - Reqst action - 7;12	~~To S&A asks locate shipment 2-6~~ Reqt shipt of apparatus from Wash and NY to COLUMBIA. W 6 To S&A--Reqt shipt of apparatus from Wash and NY to ships.1/5 To S&A--(10) D itto.1/7 To S&A--Ditto.1/9 New York 6/7 New York 6;28 New York - Reqst action. 6;21
272229	1-7	NY	Moulded composition hubs; fwds vandykes.W ~~To--Appvs.1/12~~ NY 1-18
272254	1-5	Marconi Co	Emergency transmitters for destroyers; request information relative to electrose coils for wave changers and loading coils.W
272907	1/8	NY	Fwds copy of letters written to various radio Co's rel to drawings for moulded composition hubs.W ~~To Firms--Re above modifications.1/17~~
273002	1/10	NY	Request authority to place proprietary reqn with the Doehler Die Casting Co for dies used in manufacturing wave changes.W To--Auth proprietory reqn.1/17
272520	1/10	To Marconi Co To Wireless Spec Ap Co	Fwds Vandykes showing details of 2 KW wave changer for all wave lengths, and set of Vandykes showing assembly. W
273927	1/14	NY	Die Casting gears for loading coils-fwds Vandykes.W

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[OVER.]

TUNERS: ETC.

Number.	Date.	From or To—	Subject.
258097	11/2	To NY	Reqt fwd Vandykes of latest revision of drawing showing 5 KW wave changer. W NY--fwds prints.11/20.W To NY--Re changes to make in drawing.12/29 NY wave changers; fwds drawings 1-18
26045 0	11/12	NY	2 kw wave changer; fwds corre cted drawings W
260816	11/12	Phila	Reports defects in wireless specialty apparatus company's 1-kw panel type radio transmitters furnished on contract 25776. To--11/17 To Wireless Spec App Co--Submits report of defect.11/17
262396	11/22	To NY	Drawings and manufacturing instructions for 5 KW inductive coupler and wave changing switch. Fwds.W
262496	11/22	To Sperry Co	Emergency transmitter for destroyers. Suggestions re positions of wave changer. Fwds pencil sektch of. W Sperry Co 11-27
261620	11/24	To Yards and Ships	Use of brass polish on radio transmitting apparatus. Submits method of using. W
262686	11/24	To NY	Preparation of manufacturing instrns for standard wave changers and loading coils. Instrns. W To NY--Ask progress being made.12/29

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
262863	11/26	To M.Is. 875	Difficulties with sparking of antenna loading coils. M.Is. Semi-monthly report. Reqt more specific information re trouble. W M Is fwds photostat 12-15 M Is 1-5
263861	11/30	To Marconi Co To Wireless Spec Ap Co	Wave changers for 2 KW sets to be in accord with drawing RE 34F 113A. Directs start manuf of using drawing RY 34F 163D. Lists difference between drawings. W Wireless Spec App Co 12-13 To Wireless Spec Ap Co--12/22
265636	12/7	To NY	Reqt for loading coil, wave changer, and insulator drawings. L ists. W To--(T)Ask when Vandykes will be fwded.12/21 NY (T) prints fwd on the 24th 12/26 W To--Ditto.12/11 NY fwds 120 prints 12-19 NY (T) states vandykes mailed Dec 19 12-22 NY--Fwds 150 Vandykes--12/24.W
266676	1 2-10	NY	Gears for loading coils; fwds vandykes.W
266535	12/10	NY	10 kw loading coils-fwds Vandykes.
267353	12/17	To Dickinson Mfg. Co	Dies for molded hubs for use with wave changers and loading coils. Detailed comments on. Reqt information in connection with dies. W To--Reqt furnish infor reqted.2/14 Dickinson Mfg Co-gives rates which deliveries can be made.2/21. Co 12-22 To--Fwds blueprints.12/28 Dickinson Mfg Co--1/3 To Marconi Co--Fwds copy of letter from Dickinson Co with comments re quotin type number.1/9 To--1/9 To Wireless Spec Ap Co.1/9 NY-1/14. Dickinson Mfg Co 1-15 To Dickinson Mfg. Co--Submits list of sets and ask how many can turn out.1/25

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TUNERS: ETC.

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Number.	Date.	From or To—	Subject.
250361	9/20	NY	Moulded composition hubs; fwds prints·W
251039	9/23	NY	5 kw inductive coupler and wave changer switch; fwds vandykes showing changes·W
251572	9/27	F. Lowenstein	Request authority to place name plates for wave lengths of loading coils near the front of each coil rim·W To—Auth.11/1
251606	9/28	To F. Lowenstein To Firms	Fwds Vandyke RW 50F 166D, showing all alterations, and several changes suggested by contr and appvd by Bu. W
251792	9/27	NY	2 kw wave changers and loading coils-fwds prints.W
251785	10/1	To Firms	Spoke insulators for 1 and 2 KW radio sets. Instrns in connection with manuf of, and drawings to be followed. W
252709	10/2	NY	Inductive coupler and inductance coil, wheel type; fwds prints·W

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
253113	10/2	Marconi Co	2 and 5 kw wave changers and loading coils; fwds copies of correspondence with NY Yd requesting certain information in connection with.W
253199	10/4	F. Lowenstein	Supports for loading coils; states turned down so that there is a square corner on inner part of shoulder; recommends shoulder be turned so that rounded corner in lieu of.W To--Gives action.11/1
255491	10/18	NY	Moulded composition hubs; fwds vandykes.W
245246	SEE CARD 13 NY--fwds prints--11/20.W		To NY--Comments and action on prints.10/19 NY fwds prints 10/20 To NY--10/23 To NY--(T) Reqt new drawing.11/6 NY--fwds print.11/16.W
256160	10/22	NY	5 kw wave changer, type SE 87; fwds vandykes.W
256245	10/22	NY	Gear and pinion for 1 kw loading coils; fwds vandyke.W To--Comments and instrns on.10/27

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TUNERS: ETC.

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Number.	Date.	From or To—	Subject.	
247809	9/6	NY	Moulded composition clamp for 2 and 5 kw loading coils; fwds print.W To—Drawing apprvd.9/10 NY fwds vandykes 9/21	
247950	9/5	NY	1 and 2 kw wave changers; fwds prints.W	
28774	9/7	To Amer R&R Co	Fwds prints in connection with loading coils and wave changers.	629
248232	9/5	Chasn	Inductances to obtain regulation wave of wave lengths; fwds photographs and prints of trial coils.W To—Disapprvs est.9/12	
248196	9/5	NY	Request type number be assigned to standard Navy wave changer and loading coil.W To—9/12	
248128	9/7	NY	Gives outline of a test conducted on a Navy type, Model,1kw wave changer loading coils; see 231427-876.W To—9/24	
248386	9/9	NY	Moulded composition hub for 1 and 2 kw loading coils; fwds prints.W To—Apprvs drawings with comment. 9/17 NY-fwds prints.10/4.W To NY—Comments on drawings.10/17 NY 10/25	

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
248608	9/10	NY	Wave changers, type SE 89; fwds prints.W
249290	9/13	NY	Gear and pinion for variometer type loading coils; fwds drawings.W To—Appvs drawings with comments.9/24 NY fwds vandykes 10/16
249596	9/17	NY	10 kw loading coils; fwds corrected prints.W
249613	9/16—	Moulded composition hubs for 5 kw loading coils; fwds vandykes W —NY	To NY—Drawings appvd with modif.9/25
249158	9/15	To Wireless Improve Co	Calls attention to error in drawings for 2 K.W. loading coils. W To—Further corrections.10/4
249693	9/18	To Marconi Co To F.Lowenstein	Drawings of 10 K.W. wave changer and loading coils. Detailed comments on. W To NY—F wds copies of above letter.9/18
249983	9/19	To NY	Ask if Marconi Wave changer ex-SEATTLE can be repaired and placed in good condition. W New York--9/26.

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TUNERS, ETC. 1917

Number.	Date.	From or To—	Subject.
243122	8/10	To NY T	Directs fwd to Marconi Co set Vandykes 10 KW loading coil and wave changer. W
243289	8/10	NY	Moulded composition knob for loading coils; fwds print.W To—Appvs.8/15 To—Ask when Vandykes will be fwded.8/28 NY fwds vandykes 8/31
244126	8/14	NY	One kw wave changer and loading coil; gives winding order of inductance coils.W
	To Bost—10/9 NY 10/12 Bost fwds prints 10/17 To—Fwds blueprint of latest alterations, with comment.10/8 NY 10/6		
245246	8/22	MarconiCo	1 kw wave changers; request information relative to connecting secondary of inducted coupler to ground, etc.W To—Gives infor reqted.8/27 Co 9/4 CARD 15 To NY—9/17
	To—9/17 To Bost—Directs investigate screw being too short.9/19 Bost 9/28 W NY fwds prints 10/2 To Ny—Instrns re altering drawing.10/8		
245275	8/22	Marconi Co	Asks if Bureau will insist upon following out latest blueprint relative to fastening name plates on panel and wave changer sets; original drawing did not call for and insisted upon will delay delivery from 2 to 3 weeks.W To—8/27 To—Gives action.8/27 Marconi Co 9/14 To—Quotes letter of Aug 27th. 9/10
	Marconi Co request action 9/5		
245414	8/22	NY	Reports forwarding to Marconi Co vandykes of 10 kw wave changers, loading coils, etc.W

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TUNERS. 905

Number.	Date.	From or To—	Subject.
246087	8/25	NY	Wave changers and loading coils; fwds vandykes and prints.W
246086	8/25	NY	Inductance coils; fwds prints.W
246305	8/12 8/27	Elecn G W Alves Sub Force	Synchronous wave shifting device; request consideration of and fwds sketch.W To Sub Force---9/5 To NY---Appvs ests.9/5
246963	8/30	NY	Molded composition Knobs for loading coils; fwds vandykes.W
246962	8/30	NY	Molded composition clamp for loading coils; fwds prints.W
247061	9/1	To Bost via NY	Rec request 2-Y-112 b e cancelled owing to amount of shop work involved in manuf of wave changer and loading coil. W
247305	8/4	NY	Clamps for 1 kw loading coils; submits estimate for manufacturing.W
247274	9/4	To Wash	Assignment of type numbers to Choke Coils for 20 and 30 K.W. arc radio sets. W

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TUNERS: ETC.

Number.	Date.	From or To—	Subject.
235380	6/25	Kilbourne & Clark Co T	Drawing for 1 kw wave changer and coupling coil, etc, urgently required in order to make up orders for material.W
235442	6/25	NY	2 kw wave changersand loading coils; estimate for manufacture submitted by Wireless Improvement Co.W To—Appvs recommendation.6/29
235572	6/25	NY	2 kw wave changers and loading coils; fwds prints.W To—Detailed comments on.6/29 To—Further comments. 7/5 To—Reqt fwd certain Vandykes.7/13 NY drawings are being corrected 7/17 NY fwds prints 7/18 NY fwds plans 8/1
2384 03	7/12	NY	Fwds prints of 5 kw combined wave changer and loading coil.W
238402	7/12 NY 8/17 To NY—Gives action.8/25 To NY—Comments on.11/21	NY	Fwds prints of moulded composition hub for 2 kw loaded inductance coupler coils.W To—Appvs.7/27 NY 8/8 New York 9/13.Y To—8/11
196140	SEE CARD 9		To New Orl—(T) Ask if wave changer was installed on SACRAMENTO. 7/16 New Orleans (T) states answer forwarded Apr 27th 7/18

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TUNERS; ETC. 905

Number.	Date.	From or To—	Subject.
239081	7/18	To Firms	Fwds Prelim set of prints for use in connection with manuf of apparatus under schedule 1215-1/2. W Marconi Co 7/20 Marconi Co request additional information 7/27 Fwd NY—8/3
239710	7/20	NY	Remote control for wave changer push button switch; fwds prints.W To—Appvs.8/3 NY fwds plans 8/30 to get Cross
241850	8/1	NY	Recommendations relative to numbering Navy standard wave changers and loading coils.W To—Comments on numbering.8/14
242219	7/30	NY	Fwds prints of 1 kw loading coils.W To—Re errors in.8/16 NY fwds vandykes 9/17 NY (T) prints mailed yesterday 9/17 To NY—(T) Directs mail vandykes.9/15 NY fwds prints 9/21
242229	8/3	NY	2 kw wave changer and loading coils; fwds vandykes.W
242208	8/3	NY	10 kw wave changers and loading coils; fwds print.W
242250	8/2	Marconi Co	Wave changers and loading coils; request vandykes 8/2 To—9/5
242932	8/9	To Wireless Spec Ap Co	Fwds drawing showing spokes used for manuf of 2 K.W. wave changer and loading coils. Re method of securing. W

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TUNERS: ETC.

Number.	Date.	From or To—	Subject.	
215535	3/20	To NY	Detailed instrns re redesign of 5 K.W. wave changers and loading coils.	793-1
219098	3/22	To Marconi Co	Fwds prints for 5 K.W. wave changer and loading coils, and submits information covering points which may not be clear.W	
219 775	3-9	M.Is	Instructions and plans for modifying Wireless improvement Co. 2 kw panel sets into Navy standard wave changer.W. (See 208947-144-6)	
		Company's 2 K.W. transmitter panel. 6/8	To Yards--Fwds set of prints, instrns for manuf and installing Modified Wireless Improvement	
219980	3-26	Washn	Tone testers; plan.D.	
221300	4/6	To Marconi Co	Fwds Vandyke RW 50F 166B, Tone tester. W	
		To S&A--Reqt NY be instructed to appv reqn for.6/27		
		To NY--Directs prepare reqn.6/13	To NY--Appvs reqt.6/2	
		To--Gives action.5/10	NY moulded insulating material; estimates 5/22	
221803	4/9	To NY	Manuf of 2 and 5 K.W. wave changers in accord with Navy drawings. Re obtaining suitable mold hubs. W	
		material to be used 5/6	To--Reqt reply.5/4	
		To F.Lowenstein--Reqt make arrgts so as to delivery wave changers within contract time. 5/10 To Marconi Co.5/10	NY recommendations relative to insulating	
221977	4-9	Marconi Co	Tone testers; asks if Bakelite dielectro will be acceptable in lieu of Micarta.L (Insulating material,elec)	

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TUNERS; ETC. 905

Number.	Date.	From or To—	Subject.	
221977	4/12	To Marconi Co	Bakelité dilecto can be used in manuf of Tone Tester, Type SE-84, in place of micarta. W	
223264	4/16	Boston yd	Tone testers - forwards plan W	
224395	4/23	To F. Lowenstein T	Bu has auth NY to loan you two K.W. wave changer for purpose of perfecting mounting spark gap and condenser. W To NY--Loan auth.4/23	
226375	5/4	To NY	Reqt est for manuf of 24 2 K.W. wave changers and 24 loading coils. W NY submits estimates 5/12 To--Gives action.5/17	
226883	5/7	To Marconi Co	Fwds set of Vandykes of drawing for use in connection with manuf of tone testers. W Marconi Co reqt action 5/9 To--Fwds Vandykes.5/22	
229762	5-21	NY	10 kw wave changers; fwds prints.W	
229813	5/21	NY	Wave changers and loading coils; estimate for manufacturing.W To--Instrns.5/25	
231427	6-1	To NY	1 kw wave changer allots $1,000 to construct experimental	876

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TUNERS: Etc.

Number.	Date.	From or To—	Subject.
205399	11/13	To Phila	Ask earliest practicable date of completion of eight 5 KW wave changers and loading coils. W
205397	11/14	To S&A	Reqt shipt of wavemeters from NY to Wash for disposition. W NY request authority to retain De Forest wave meter 11/22 RB 12-8 To NY--Grants auth. 12/1 S&A request return of correspondence 1/8 Fwd S&A--Noted. 1/11
M.Is. 3348	12/1	To NY	Record of apparatus shipt on Reqt 3348, May 27th, 1916. Instrns. WR
207931	12/8	To Phila	Ask when 8 wave changers and loading coils for second lot Navy Type 5 K.W. sets will be completed. W Phila delay; reasons 12-16
208423	12/13	To NY	Bu asks if old Marconi wave changers ex VESTAL and MONTANA are fit for repair, and remodelling in accord with NY Reqn 15. W
209354	12-20	Phila NY reports on status of reactances; one will be available for ALLEN; ALLEN set ready for shipment Jan 10 1/9 Phila states wave changer with loading coils assigned ALLEN was delivered for shipment NY Dec 22 1/9	Gives reasons for dealy in completion of. W To NY--Wave changer will be turned into store for shipt NY Dec 21. 12/22 NY loading coils not yet received for Marconi5 wave changers; est time to complete after receipt 12/30 To NY--Have taken steps to expedite. 1/3 To--Ask status of work on wave changer with loading coils. 1/6

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
210903	1-8	NY	Remodeled 5 kw Marcone wave changer; reports none receipt of; delivery expected Jan 8; will assign to VESTAL and MONTANA. W To--Ask which wave changer issued to MONTANA.1/11 NY Marconi Co will be requested to renumber remodelled sets 2/7
212987	1-29 To Chasn--Gives action on. 2/7 To Wash--Appvs est. 2/7	Washn	Wave changer Litz loading coil; submits estimate.W. To S&A--Reqt shipt of wave changer from Wash to Chasn. 2/7 To S&A--Reqt shipt of wave changer from Chasn to Wash for disposition. 2/7
213439	2-3	NY	Wave changers Mark II; fwds photos.W
213313	2/2	NY 919	States have received report that code signals of varying intensity have been observed and that their use nullifies present direction finders; suggests apparatus be developed for changing amplitude of antenna current.W Fwd Atl Flt--For req. 2/12 RB 3-1 Fwd Phila--3/6 RB 3-19
217652	3-9	Washn	Tone testers for arc sets; fwds print.W.
218515	3/17	Yo NY	Reqt drawings of 10 K.W. wave changer and loading coils. W NY fwds drawings 3/26
199694	3/17	Phila	Wave changers; gives probable dates completion 876

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TUNERS: ETC: 1916

Number.	Date.	From or To—	Subject.
196138	8-11 To Norf. Ask if apparatus still in Norf. 10/4 Norf. Oct. 10	To Norf.	LEBANON DOLPHIN MAYFLOWER; Bu has reqtd shipment of wave changers from NY for; submit estimates for installation. W To S&A-- Reqt for shipment.8/11 Norf submits estimate 8-17 To Norf appd 8/22
196139	8-11	To M.Is.	ANNAPOLIS-RALEIGH-YORKTOWN-- Ditto.
196140	To--Est appvd. 11/21 8-11 New Orleans explains drawing 10-6 Fwd NY--10/18 RB 10/31 Fwd--11/4 RB 11-29 New Orleans est 11-15	To New Orl.	SACRAMENTO-WHEELING-NASHVILLE Ditto. New Orleans 8-16 New Orleans reqt drawing 8-25 Fwd NY--desires drawing fwded to New Orleans 8/25 Ref. N.Y. 9-1 RB 9/11
196141	8-11	To Phila.	McCALL ditto. submits estimate 8-18 To Phila appd 8/26
196142	8-11	ToOlongapo.	HELENA ditto. RB 12-22 To--Appvs est. 12/26
197214	8-19	NY	Marconi wave changers; estimate for modifying.W To--Prepare reqn for modifications and award contract to Marconi Co for work.9/13
198056	8-30	Marconi Co	Wave changers; estimate for altering. W
199175	9-13	To NY.	Radio telegraph; reqt estimates for making Mark VI wave changers and loading coils. W NY estimate 9-20 To-- Appvs estimate.9/23

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
199452	9-14	American R&R Co.	Request print of wave changer developed by Navy. W Fwd NY-- 9/18 To--Not customary to furnish prints to bidders. 9/18
202061	10/12	To Wash.	Design of Litz loading coil for Radio Stations, New Orleans, Key West and Guantanamo. Directs plans and est be prepared. W To--Directs prepare plans and ests for Chasn. Wave changer already at Chasn. 11/27
To Card 28	Wash Litz loading coil for radio stations; submits inductance curve, prices, etc 11/25 To--Gives action on. 1/3		
202601	10/17 and ship	To Wash coil to New Orleans 5-6	Reqt plans and est for the manuf of tone testers be submitted. W RB 2-7 To--Appvs drawing as standard. 2/14 Wash submits estimate 3/7
200662	9/29	To Yards	To Washn- info reqst re action taken to mfg Adjustment of calling and working wave lengths for ships equopped with arc radio transmitters 9/1
203484	10/25	To NY	Ask whether certain wave changers at NY are suitable for repair. W NY submits estimate 10-31 To--Est appvd. 11/13
204144	10-28	NY	Wave changers and loading coils for;plan. W
M.Is. 3348	11/11	To NY	Reqt information as to what auth eight 5 KW Mark V wave changers are being manufgd. WR

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[OVER.]

TUNERS: ETC. 1916

Number.	Date.	From or To—	Subject.	
178023	2-3	NY	5 kw Mark Vb naty type loading coils; fwds print and submits estimate and recommendations.W Fwd M.Is-- 2/5 RB 3/4 TO NY recommendations approved 2-5	
174248	2-5	NY	Submits estimate for manufa turing 2 mark VI coils; gives number in store	916-1
179788	2-14	M.Is	Wave changers; reqt authority to purchase micarta tube used from Westinghouse Co.W Fwd NY 3-21 RB 5/22 Fwd NY-- 5/24 NY fwds data cont 26149 6-7 RB 7/3	
179894	2/17	Bost	TBDS; submits estimatefor changes in radio roomsand installing instruments in connection with installing wave changers	496
180818	2-28	M.Is	Wave changer; ~~status~~;Pac Coast stations gives disposition of. W.	
181396	3-4	M.Is	Estimate for manufacturing 20 kw wave changer for Sitka; summarizes status of manufacture for various Alaskan Stations.W To--Appvs estimates.4/14 Fwd Rad Ser--For comment. 3/14 RB 4/6 Fwd S&A--Appvs estimates:auth manuf.4/6 RB 4/12	
181588	3-6	M.Is	Wave changers; 10 and 20 kw; fwds vandykes.W Fwd NY-- For comment and rec. 3/23 RB 6/30 To--Appvs drawings. 3/23	
182625	3-22	NY	30 kw arc sets; estimate for manufacturing loading coil W To--Appvs estimates. 3/27	

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N.S.E. Form 134.

TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.	
182957	3/13	Austin, Dr.	Darien; wave length experiments; conducted at laboratory; report on	851
188759	5-23	To Phila.	Asks what steps are being taken to expedite delivery of insulators for 8 wave changers for lot #2 12-5 K.W. navy type radio sets. W	
	To Phila--ordered	Insulators should be from NY. 7/7	Phila gives dates of delvy 6-1	
			To--Asks cause of delay. 6/9	
			Phila Electrose Co resp onsible 7-5	
189224	5-27	TO Bost V'A S&A	Request shipment wace changer after installation of new	457-6
	Fwd S&A--10/18		Marconi objects to certain paragraphs 10-7	
189379	5/29	To NY	Asks condition of wave changers at yard and estimates for placing in condition. W	
	TO Marconi Co. 8-24		NY submits report and estimated 6-9	
	Marconi quotes price 8-31		To--Reqt est for altering wave changers. 8/4	
	Marconi reqt action. 9/25		To Marconi Co--Reqt est for alterting wave changers. 8/4	
	To Marconi--NY will prepare reqn for. 9/27			
190060	6-6	To Pug Sd.	2 K.W. and 5 K.W. radio sets; insulating material and special insulators for wave changers and loading coils should be ordered as noted on RY 61A 11A. W	
191878	6-26	Lowenstein T	Waver changers for 5 kw sets; impossible to better delivery of. W	
193960	7-19	To NY.	Radio telegraph; reqt drawing of wave changer and loading coils. W	
			NY 8/1	

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[OVER.]

TUBERS: ETC:

Number.	Date.	From or To—	Subject.
171535	11-18	To NY. SEE BELOW Bost est 11-30 To NY--12/3 Norf 12-1 To Bost--(R) NY will furnish 12-1 dimensions: make only temporary installation. 11/26 NY 21 mark VI mfg: one reserved for PENNA: one on hand not assigned 11-30 To Bost--Appvs est for installtion.12/2	2-K.W. Mark VI wave changers: gives assignment. NY reqt inc for CASSIN BALCH 12-3 To Yards-- Reqt estimates for installation.11/18 To S&A -- Reqt for shipment. 11/18 Bost (T) reqt dimensions 11-26 NY estimate for 11-26 To S&A--12/2 To--R Furnish Bost dimensions of.11/26 To--Appvs estimates for.11/27
171683	11-19	To Atl Flt.	Radio tube shifters for TBDS: have made assignements of: reqt ship's force assist in installation. W
171796	11-20	To S&A.	Reqt shipment tone tester from Norf to Wash. W. Norf shipped 12/16-12/20
172043	11-23	To S&A.	Reqt shipment wave changers from Bost to NY. W
172525	11-29	To NY. (R)	Inform Bu status shipment Mark six radio wave changers assigned TBDS. W NY reports (R) 12-2
172714	12-1	Norf	Reqt instructions re shipping wave changers to New Orleans and Key West, EXBDELAWARE and Norf.W Fwd S&A--Reqt shipment be expedited. 12/3 RB 12/22 To-- 12/3
171535	12-4	To Norf SEE ABOVE. M Is estimate for IRIS 12/6 Bost12-16 To NY--Lists vessels for. 12/10 To Norf--12/11 To Bost--12/13	Appvs estimates. 12/4 To NY--Gives installation for CASSIN BALCH. 12/9 To M Is appvs ests for IRIS 12/15 To Bost--12/10 To Norf--12/10
173116	11-27	M.Is	Reports issue of wave changers to Sitka,; are preparing to mfg 3 sets for Pac Coast Stations.W
173115	11-29	M.Is To S&A-- Reqt shipment loading coils to Kodiah. 1/24	Reports issue to KANAWHA, and SITKA. W To 12/14 M.Is will fwd 1-12

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905 TUNERS: ETC:

Number.	Date.	From or To—	Subject.
173165	12-6	To Newport.	Mark V wave changers; asks disposition of. W To-- Reqt action. 1/15 Narr Bay reports receipt of 1-27 To S&A--Reqt shipment to NY. 2/1
174331	12-20	To NY.	Reqt estimates for manuf of 12 Mark V1 2 K.W. and 4 Mark V 5 K.W. wave changers. W
175403	1-5	To NY.	Wave changing switches; asks if switches were furnished with radio sets purchased under contract rean 109 and whether shipped to Phila for COLUMBIA & MINNEAPOLIS. W NY reports disposition of wave changers received under cont 232 1-11
175474	1-5	NY	Submits list of wave changing and loading coils that have been issued and those in store available for issue. W
175760	1-8	NY	12 mark VI 2 kw; 4 mark V, wave changers; estimate for manufacturing. W To--Estimates appvd. 1/13
175766	1-7	NY	Mark 5 loading coils; received from M.Is do not conform to standard; estimate for altering. W To-- Appvs estimates, 1/11
176418	1-10	M.Is	Wave changers; asks cost of Bakelite micarda tubing for use in connection with manufacturing. W Fwd NY--Furnish information to M.Is. 1/18 RB 1/28
177168	1-25	NY	2 kw mark VI loading coils; lists vessels issued to; none available for TRIPHE. W

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[OVER.]

1915

TUNERS: ETC.

Number.	Date.	From or To—	Subject.	
163713	8/18	Norf	Wave changers, Mark II; status of those at yard, removed from vessels, etc; will require loading coils for those ordered shipped to New Orleans and to Key West.W To S&A andNorf--reqt shipment 8/20	
163892	8/20	To M Is via S&A	Approves manufacture of wave changers for Sitka, North Head and Kodiak Radio Stations.W RB 2/23 To M.Is--Gives assignments. 2/25	
165161	9-4	To Phila-Pug Sd.	Substitute for variable coupling in radio wave changer; experimental work to be conducted at Phila. W	
166486	9/22	NY	Reports 5-Kw Mark II wave changer ex-FULTON available for issue. W	
168882	10-19	At Flt	Recommends developing of tuning apparatus to permit ranges of 300 miles when using higher wave lengths.W	
169143	10/19 1 0/21	G. H. Clark Wash	Reports completion of a test of arc wave changer.W	
169262	10/23	Phila	Wave changing switches; fwds plans.W	
16945 5	10/23	Phila	5 kw radio sets; submite inc estimate for wave changers for	876

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TUNERS: ETC. 905

Number.	Date.	From or To—	Subject.
170018	11-1	Clark, G H	Memo re variometer wave changer for arcs. W
170045	11-1	Phila	Reqt auth to mfg elec operated wave changer. W
170813	11-2	M.Is	Wave changers; fwds photos of those mfg for use with 30 kw arc set Cordova. W
170934	11-11	To M.Is.	Wave changers for radio stations; asks when wave changer assigned to Kodiak will be completed. W
171160	11-13	To NY.	Manuf of mark V1 and V11 radio wave changers; reqt be expedited; directs modifications in mark V1 wave lengths. W
171281	11-15	To NM.	5-K.W. mark V wave changers; asks number in stock. W NY none in stock 11/20
171392	11/9	NY	Tune shifters for 5 kw sets, mark V type; stock exhausted; asks if shall renew. W To--Asks assignments made. 11/17 NY gives disposition, etc. 11/25
171236	11-16	To NY.	Authorizes repair to 5-K.W. mark LL wave changing switches and reqts shipments to ships. W

M.Is shpt MD and SD to Pug Sd 4-20
NY 5 kw; Ex KANSAS Mark III in lieu of Mark II; Ex-FLORIDA repaired and shipped MARYLAND 11-30
To M.Is--Advs estimates: 2/15
M Is wave changers not yet received 2/26
Fwd NY-- 3/7 RB 3/10
To M.Is--Wave changers were shipped from NY Jan. 27. 3/13

M.Is estimate SAN DIEGO MD SO DAK 2-3
To M.Is-- Fwds copy above. 11/16
To S&A--Reqt for shipment. (3) 11/16
NY reqt authority to substitute wave changer ex-KANSAS in lieu of ex-FLORIDA, which is being used in Radio Laboratory 11/19
To NY--Gives assignments: 11/23

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[OVER.]

TUNERS: & TUNING: SHIFTERS: 1915

Number.	Date.	From or To—	Subject.	
145505	1-25	NY	Mark V wave changers and loading coils; only one 2 kw completed; and tested; will delay un il 1-29 by changes; recommends against constructing more until completion of 5 kw changers. W.	
146099	1-30	NY	Wave changers; fwds revised vandykes.W	
147599	2-15	NY	Mark V wave changer; diagram connections; fwds vandyke.W	
147982	2-20	Washn	Wave change switch; for 30 kw sets; estimate.W To--Comments on; reqt redesing of. 2/25 Washn new design 3-1	
148797	3-4	NY	Wave length change switch and transformer for 2 kw sets; fwds print. W.	
149897	3-15	Nat Elec Sig Co.	Variable tunner sent NY for test; calls attention to points which will be improved on furture deliveries.W Fwd "ash--Have rectd shipment to yd for test 3/26 RB 5/22	
152828	4-19 4-20	Butts, L.G. Washn	Wave changing switches for arc sets; suggestions Fwds prins.W	
154899	5-12	Washn	Wave changing switch for arc sets; submits revised cost for manufacturing; also cost for future orders.W To--Appvs; submit manuf reqt. 5/17	

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TUNERS: 905

Number.	Date.	From or To—	Subject.	
155028	5-14	Washn	Reqt authority to mfg arc wave changer before final tracings are forwarded to SE. W To-- Appvs. 5/17	
158599	6-18	NY	Mark V wave changer; plans. W	
161355	7-14	NY	Tune shifter ex FLORIDA; relative to survey of sets in testing laboratory; recommends retention.W To--Issue to yard radio test laboratory.	7/26
161578	7-26	To NY.	Reqt plan and estimate for manuf of 20 wave changers including loadings coils suitable for coastal shore stations. W NY estimate for 35 8-12 TO NY apprvd 8-18 To--modification of Bu's previous letter	8/20
162483	7/29	Atl Flt	Tuning of battleships' radio sets; gives table of ships and yards at which tuning wasdone	876
162778	8/5	NY	Wave changer ex-CONNECTICUT shipped to Guantanamo; recommends wave changer ex-ARKANSAS be shipped to Boston	843
162943	8-9	To Chas-Key West-New Orelans. Norf.	Have reqtd shipment of one 5 K.W. wave changing switch; reqt estimates to cover work on. W To S&A--Reqt for shipment. 8/9 RB from New Orleans 8/18 To New Orleans 8/20	
153245	8-13	NY	Reports on Greenhardt wood for insulating material; recommends for wave changers and loading coils	672
163561	8-16	Nat Elec Sig Co	Variable tuner; reqt return of one submitted for test. W To S&A--reqt shipment to Co 8 /19	

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[OVER.]

TUNERS & TUNING: TUBE SHIFTERS: 1914

Number.	Date.	From or To—	Subject.
129907	6-7	Weaver, A.D.	Fwds "Thermorharn" selective device for test; offers to sell to Govn.W TO -- will investigatem7-15 Weaver: gives shipping directions 7-2o To--not suitable for Naval use 8/21 To Postmaster Montgomery,Ala.-- Requests letter and package be forwd to Tuscaloosa. 8/22
130802	7-22	NY 855-122	2 and 5 kw wave changers; fwds outline drawings giv ng sizes and details with explanation.W To--appd 7/28
135025	9-22	Marconi Co	Propose to furnish future orders in dull nickle in lieu of polished copper.W Fwd NY-- For recommendation. 9/24 rb 10 8 To-- Will be satisfactory. 10/3
138182	10-29	To NY	Tune shifting apparatus; reqts date will be ready for issue; ~~dixes~~ desires install on CONNECTICUT during overhaul period. W To Phila-- Fwds copy above. 10/29
140064	11-17	NY 855-173	Tune shifters; will forward estimate time in few days; fwds print proposed new loading coil for 2nd recommends new type be issued to CONNECTICUT.W Fwd Phila-- Comments. 11/21 rb 12 1 To NY-- Appvs. 11/21
141286	12-5	3rd Div Atl Flt.	Radio tune shifters; reqt recommendation as to what vessels will receive wave changes of Mark V type. W At Flt gives order of ships recommended 12-7
141434	12-7	To S&A	Wave changing apparatus; reqt for shipment from NY to M.Is. W

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TUNERS: & TUNING: 905

Number.	Date.	From or To—		Subject.	
141832	12-8	NY	855-186	Mark V; wave changers; 5 kw sizes; fwds prints. W.	
143098	12-19	NY	855-197	Mark V wave changers; assignment of sets. W	
143036	12-26	To NY		Mark V wave changer; reassignments of. W To Bost--Have reqtd shipment of set for NEBRASKA. 12/26 To S&A-- Reqt for shipment. 12/26	
143512	12-26	NY		Wave changers for 5 kw sets; print showing changes. W	
143967	1-8	To Wash.		Reqt ~~manuf~~ estimates and plans for manuf of wave change switch for use with 30 k.w. arc sets. W	
144759	1/16	Bost		GEORGIA; reqt authority to install Mark V wave changer assigned NEBRASKA	215-6
144925	1-19	To NY.		Mark V wave changers and loading coils; asks how are completed and ready for shipment by 30th instant. W	
145100	1-20	Phila	6000-357	Mark V wave changer; trouble encountered while installing on CONNECTICUT; suggestions for improvment; plan. D Fwd NY-- Gives copy Bu's reply. 1/27 To-- Comments on. 1/27	520
145395	1/13	NY Elec School		Reqt Mark V wave changer	7 07-3

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TUNERS AND TUNING: TUNE SHIFTING. 1914

Number.	Date.	From or To—		Subject.	
118429	2/16	NY		Fwds print of switches for remote control antennae, wave length changing switch ND type	900
120040	3-14	NY		Tune shifters; mark II; assignemtn of. W TO -- instructions re shipment to home yards of certain vessels and mfg of two for KANSAS & RHODE ISLAND 3-17	
120399	3/20	To Dept.		VIRGINIA and CONNECTICUT: request permission to proceed with installation of tune shifters during docking period.W ER 3 25 To Phila.installation on CONN.authorized.3/25 To Bost.installation on VIRGINIA appd.3/25	
120815	3-21	NY	855-66	Tune shifters; change in design; may delay shipment to RHODE ISLAND AND KANSAS; reqt instructions.W To---procedure satisfactory.3/26.	
121255	3-29	At Flt		Tube shifters; reports excellent results obtained thru use of cutting down interference, recommends shifters be retuned at Yard and reduce breadth of, also supply more efficient spark gaps. W Dup via Dept 4-1 Fwd Dept.comments: request indicate measure to be taken if employment addtl expert aids not auth.4/7	
121811	4-6	NY	855-76	Reqt special authority for purchase material for experimental radio wave changing apparatus.W To---appd.4/8.	

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TUNERS AND TUNING: TUNE SHIFTING. 905

Number.	Date.	From or To—	Subject.
121952	4/9	To At.Torp.Flt via At.Flt	Destroyers; When tune shifters are available Bu will take necessary action for their installation.W
118014		SEE CARD 2	To NY.Request report be submitted as soon as practicable.4/11. NY estimated time 10 days 4-17 Fwd S&A.rec cont.20035 be amended inc price $250. 7/6.
No #	4-22	TO NY VIA S&A	BSA req. 288? group tuners delivered on without knowledge of Bu. Directs test of. W
123739	4/27	G.H.Clark	Navy type wave changer Mark II; reports on broad tuning of; recommends changes to get high frequency resistance in transmitting inductances.W Fwd NY.comments.5/4.rb 5 29
124366 Con 20035	5-6	NY 855-705-198	Reports on test of wave changer mfg by Marconi Co. W To---approves report; reqst addlt information be expedited for modification of spcfns.5/11. To 6/19
126877	6-9	To N.Y.	Combined wave changer and oscillation transformer - fwds. sketch of G.H. clark's design for criticism. W NY 6/24. Clark's combined wave changer; recommends undertake development of;returns sketch.W
128154	6/22	NY 855-705-268	Wave changer mfrd by Marconi Co; additional test; fwds photographs.W NY 6/24 W To Marconi W.T.Co.quotes NY's final report. Rec modifications to cont.20035.6/25 To---modifications will be made.7/6

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[OVER.]

TUNNERS & TUNNING, tune shifters. 1913

Number.	Date.	From or To—	Subject.	
113507	12/22	At. Flt. DIXIE	Recommends radio set be fitted with tune shifter.	188--6
113627	12/16	Dept	NY reqn 767 for copper strips for use in mfr tune shifters switches, returns Bu. commendation to NY Yd and states if data had been given on papers when first submitted Dept' action would not have been delayed.	900
			1914	
114020	1/2	NY	Reqt auth. to mfr racks for Leyden jars, part for tune shifters,	882--1
114290	1/2	NY	Tune shifters, revised estimate	900
114741	1/9	At. Flt.	Recommends tune shifters be installed at shore stations before fleet returns in spring.	900
114739	1/9	Clark, G.H.	New navy type wave changer switch, reports on installation on UTAH, GEORGIA, DELAWARE, wyoming.	900
114901	1/8	At. Flt.	Recommends re installing radio tune shifters reports on operation of automatic distance control switches.	900
114984	1/13	NY	New tune shifter and oscillation transformer, reqt instructions re issuing print to mfrs?	900

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905, TUNNERS, TUNNING & tune shifters.

Number.	Date.	From or To—	Subject.	
116516	1/21	At. Flt.	Tune shifters for BS, reports on operation	900
116518	1/21	At.Flt	TBDS: recommends radio tune shifters be fitted on	900
116897	2/5	To NY	Wave changing apparatus, req't estimates for mfr of 20 sets for 5 Kw and 20 sets for 2 Kw	900
117096	2/4	NY	Tune shifters, recommends installati on variometer for use with	900
117097	2/4	NY	Recommends re-design of tune shifter and oscillation transformer, Navy type.	900
			For previous correspondence on tune shifters see Switches - 900	
118014	2-17	Marconi Co	Tune shifters; quotes price $250 per set for supplying on recent and future contracts; will apply to contract 20035 if desired. W	CARD 3
		Ret S&A, reqst Co. be informed, and papers ref. to NY. 3/10. RB 4 10	Fwd Dept via S&A. request auth. to make contract with Marconi Co. 2/24 RB 3 10 app'd	
117939	2/14	NY	5 kw ~~gen~~ tune shifter and transformer for; fwds. print of proposed re design	900
117936	2/14	NY	Wave changer; fwds. A sheets covering design method of operation, etc.	900
118322	2-20	NY	Tune shifters; reports assignment of type marked "Mark II". W	
			To---Asks what shifters will be installed on NEW YORK & TEXAS; asks re one installed Norfolk station. 2/25 To S&A request shipment from NY to Washn of tune shifter, Mark II. 2/25	

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[OVER.]

FILE No.	From or To— (Dated)	Subject.	
		1913	
99309	6/13 TO YARDS & COs & FLEETS	Instructions for tuning radio receiving sets.W	
No #	11/11 To Dept.	NY reqn.756; material for manufacture of tune shifters. Desires installation upon all vessels of the Fleet during December period at home yards.R RB 12 27 app'd	
110243	11/25 Tor.Flo.	TBDS, Present & future construction,recommendations re tune shifters.	496
112031	12/4 NY	Tune shifters, condenser rack for, submits estimate unable to complete in time unless auth. is granted to purchase material competition waived, suggests Electrose Co.	900
112274	12/9 To Dept	Reqt orders to Boston, Phila, and Norfolk to send representative from each yard to NY. yard for instructions at radio laboratory in operation, adjustment and installation of radio tune shifters.	900
113471	12/20 NY	Tune shifters, reports on status of, only one set completed.	900

VARIOMETER see meters, and RECEIVING & SENDING SET.

SEE **TRANSFORMERS.**

Number.	Date.	From or To—	Subject.	
			1913	

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Number.	Date.	From or To—	Subject.	

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TYPE NUMBERS 1922

Number.	Date.	From or To—	Subject.
651666	11/28	Norf.	Request block numbers be furnished for Cpae Hatteras Station. W Fwds S&A cc Norf 12/2
654605	12/22	Exp Sta	Ask type numbers assigned to carbon electros for use in microphones being manfgd. W To C-I-C Annapolis- Fwds vandyke 1/8/23
655162	12/28	Exp Sta	Rqsts assign type number to microphone being used W To C-I-C Annapolis- Reqsts drawing 1/11/23

Number.	Date.	From or To—	Subject.	

TYPE NUMBERS 1928

Number.	Date.	From or To—	Subject.
630282	6/14	14th Dist.	~~Request copy of radio type number~~ catalog be furnished. W. To 14th Nav Dist- Unable to fwd copy. 7/6 W
631413	7/6	Exp. Sta.	Request type numbers for sound apprs. W. To O-I-C Annapolis assignment of type numbers 7/14 Exp. ta- Request assign type numbers. 7/14 W Exp. Sta. Fwds vandykes showing microphone housings. 8/28 W. 797
631632	7/7	Exp. Sta.	Sound apparatus - request type numbers for W. To O-I-C Annapolis- Reqsts Plan 7/14
637955	8/16	General Radio Co.	Ask if Bureau desired to assign type number to 6 spot comsendator under construction. W. To Inspr mat Boston (T) assignment of type numbers 8/18
641497	9/14	Washington	Drawings of relay key Fwds W To Washn- apprs plan 9/20 Washn- Fwds drawings. 10/5- W.

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927

Number.	Date.	From or To—	Subject.	
641525	9/14	Boston	Request supplement pages giving type numbers assigned to radio apparatus be furnished W To Boston- type number booklet is under revision and upon completion will be issued to the service W 9/28	
643963	10/7	To C-I-C	Sub coil antenna-assignment of type number SE 1355 to- Fwds Plan W	
644333	10/10	To C-I-C Annapolis	Assignment of type numbers- gives listed alterations to be made W Exp. Sta. Request reconsideration of W 10/20 To C-I-C Annapolis- rel assignment of type numbers W 10/31	

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[OVER.]

927 TYPE NUMBERS 1921

Number.	Date.	From or To—	Subject.	
599402	12/10	To Inspr mat GE	assigns listed type numbers ; Reqst cc of plan le forwarded for file W Inspr GE- 12/20 W	
		1922		
604078	1/11	Lowenstien Co.	Ask what type CL-464 stands for. W. To-- has no addnl sheets available for issue 1/17	
612662	3/9	To Westinghouse Co	Gives list of type numbers assigned to apparatus manufactured by Westinghouse Co Reqst Plan W Westinghouse E/M Co. 3/18 W.	
613756	3/18	To Washington	Assignment of type numbers- Gives list of Washn-. Lists type numbers recd. 3/23 W Wash 11/22 FWMS prints W	W

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TYPE NUMBERS

1922

Number.	Date.	From or To—	Subject.	
614066	3/21	To Westinghouse Co	Fwds print- instrns for applying for and for use of type numbers assigned to apparatus made for or in Use by Dept W	
615053	3/29	Washington	Request assign type numbers to mica condensers.W. To Comdt Wash-Numbers assigned 4/4 W Washn- Fwds vandykes of mica condenser.4/21 W	
617142	3/31	PCCS	Request be placed on mailing list for standard radio material type number list.	W.
619526	4/22	To West Elec & Mfg Co	Assigned letters "AF" to 20 K.W. radio transmitter. W. Westinghouse E/M Co. 8/4- Fwds name plates.W	
624830	5/24	To Washn	Reqsts that the component parts,together with their type numbers of listed transmitters be forwarded to Bu W	

1912

Number.	Date.	From or To—	Subject.	
60329	2/2	C.O,	LAMSON: impossible to vary wave length as required by Bureau/	260--6
73507	7/12	State Dept	LONDON CONFERENCE: fwds copy of telegram from American Ambassador reporting action taken by the conference re wave lengths, etc. that should be incorporated in Bill.	884--1
78454	9/20	At. Flt.	REGULATION, recommends covering naval shore stations be changed to call for standard calling wave length of 1250 meters.	914
79570	10/7	Telefunken Co.	LEGISLATION, suggestions re wave length	884--1
80054	10/9	NY	Regt instructions relative to standard wave length to be used for calling, communicating and distress signals for Navy Sta.	914
No #	10/22	To M.Is.	M.Is.recn.164:approves mfr set standard inductances and capacities for measuring wave lengths.W	
83661	11/25	At. Flt.	REGULATION: reports on wave length used by Station overhaead by Utah at Chas.	914

N.S.E. Form 134.

WAVE LENGTHS'

1913

Number.	Date.	From or To—	Subject.	
86727	12/28	At. Flt	Wave lengths adopted for vessel.	493
88270	1/15	At. Fleet	Fleet radio officers reports on changes to adjust to 750 wave length, recommends at least 2 operators on every TBD, and supply each set with small wave meter.	496
91638	3/4	NY	Wave length adjustment, submits proposed form for reports from individual ships	914
93170	3/14	At. Flt	Recommends coast stations use longer wave length.	914
99283	6/11	NY	Recommends new classification of standard wave lengths of ships, shore and portable sets.	914
99616	6/11	NY	Comments on NY proposed system of standard wave lengths, approved.	914
100377	6/25	NY	New system of standard wave lengths.	914
109370	11/3	Dept	Fwds corres. between War Dept. & Supt. Radio relative to regulations issued governing wave lengths to be used by Navy to prevent interference.	914

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
44261	7/22	To M.Is	Regulations: gives length to be used for ship and shore stations	914
44272	7/25	To Fleets and Ships	Establishment of standard calling wave lengths for ships of 600 meters and for shore stations of 1,000 meters. Instrns.	914
45066	8/1	To Nav.	KODIAK & ST. PAUL reports length	844
45251	7/28	NY	REGULATIONS: covering "calling wave lengths" submits prints of aerial inductance covering short length waves etc	914
45241	8/1	C.O.	BAILEY: reports ready to send, lengths of 600 meters.	124--6
45158	7/31	C.O.	ROE: ack instructions on wave length: etc	381--6
		Reply to C.L.44272-914 See ship card #6 see station cards	Panther, Celtic, Smith, Roe, Preston, Ohio, Michigan, Stringham, Delaware, W.Vir. Panther, N.Dakota: Nebraska. New Jersey: Virginia, YERBA BUENA: Key West, Tatoosh Is. Colon, Norf. Chas. St.Augustine, Jupiter Inlet. Boston,	~~1x2x~~ ~~838~~
45795	8/3			
47186	8/24	NY	REGULATIONS: W.T. standard calling wave length, reports on status of, of vessels at Yd.	914
47383	8/23	War Dept, Chief Signal Officer	TESTS: ~~cait~~ copy of report on test to determine laws covering wave lengths, etc	903

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WAVE LENGTHS

Number.	Date.	From or To—	Subject.	
48190	9/8	To Nav.	Transmits information for HYDROGRAPHIC Off. on recent rules issued to STATIONS in connection with calling wave lengths, messages for merchant ships, etc.	914
48325	8/30	M.Is.	Reqt auth. to mfr coupling coils for: in connection with wave lengths.	818
49030	9/20	To NY	KEY WEST: directs arr. be made for quick changing transmitting wave lengths.	817
49158	9/12	C.O.	WHEELING: reports on apparatus in connection with standard calling wave length	478--6
49459	9/19	C.O?	IRIS: reports on apparatus in connection	245--6
50230	10/3	C.O.	DELAWARE: fwds list of radiation & current obtained from wireless sets at various wave lengths	182--6
50337	10/5	C.O.	MICHIGAN: reports on number of jars used for certain wave lengths.	286--6
			1912	

NB—0120

[OVER.]

WEATHER DETECTORS 1921

Number.	Date.	From or To—	Subject.
557237	4/12	Westinghouse E/M Co.	In conn with furnishi g oil Companies operation on East Coast, of Mexico, inform rel to apparatus for detecting approach of storms. W.
	CANCELED		
600007	12/6 12/10	Aviation Communications	Plan for interchange of weather data by radio between stations along established air route- submits memo report Cov. W. Fwd Navign via Cmdn Marine Corps cc CO Anacostia 12/29
623149	5/1	K. Banning (Popular Radio)	Request Pensacola be authorised to furn photos showing experiments made to determine approach of storms, and electrical disturbances by means of radio. W To K Banning- Wwds an illustration of equipment 5/16 K. Banning Wishes original photographic print. 5/17 W To Mr. K? Banning- N ot available 6/5 W

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Number.	Date.	From or To—	Subject.	

WEATHER DETECTORS:

Number.	Date.	From or To—	Subject.
352432	8:17 9;20	First Dist Com	Sub information on forcasting of thunder storm, by using small wireless apparatus, lists outfit needed W
367854	12/17 observations of static disturbance 5/17/20	To Nav. To GECco.	In re to device for recording intensity and direction of lightning discharges in comm w storm forecasts by Aerographers of NavAirf Sta. W. GE Co is rqsd to furnsih Bu with info conc Transient Voltage Recorder. W. Naval Observ. 5;12 To GE Co- asks if Co care to furnish appr if so fwd info re 5-29 To Observatory- summary of previous corresp 6-2 GE Co-Will fwd report in few days. 6;3 Naval Observatory- Request action 3/4 To Naval Observatory- recommends in case of Air stations, operator on watch will make
428058	6/26	To GE Co	Fwded 5/28 reqst info on purc of modified "Hoxie" Radio telg photo recor der for use lightning recorded, reqst fwd W To GE- asks prompt action previous commun 7/11 Genl Elec Co 7;31 To Insp GE- desires work on Hoxie recorder be abandoned 8/7 GE 8;26 To GE- refers previous info fwd 9/3 1920
481395	3/13	To G.E. Co.	Asks fwd estimate of electric storm detectors for purpose of giving warning at stations of approach of electrical storm, similar to one installed in Waterside Powr plant of Edison Elec Co Ny City. W G.E.Co.- Request further details. 4/15 W.

923

N.S.E. Form 134.

WEATHER DETECTORS

Number.	Date.	From or To—	Subject.	
493634	5/10	Pensa.	Subm report covering experiments for detection of storms and their travel by radio equipt.	W
To CC Pensacola Ack receipt of information Nav; copy of action to Pensacola; 10-19; W			To Pensacola 10/4 Pensacola- Report on results obtained.10/11 W. To Co Anacostia Fwds cc CC Pens 1ct 10/11 10-22	
501097	6/19	Navigation	Fwds copy of letter from Pensacola in conn with Experimental work on use of radio equipt for detecting storms and their travel. W.	
501133	6-30	To Naval Observatory	Fwds circular letter to Comdts pertaining to use of radio for detection of storms. W	
Asiatic Fleet Circ- Instrns in conn with use of radio with weather forecast 8/12 W.			To Comdts IN's Fleets, use of radio apparatus in conn with weather forecasts 6/30 Pensacola 7/19 " fwd Com 7/26 To Pensacola. have fwded to Com 7/26	
503358	7/3	Navigation	Copy of letter to Santo Domingo, and Parris Island directing carry out experiments on use of radio equipt for detecting storms and their travel. W.	
509971	8/4	Atlantic Fleet Circ.	Fwding of weather reports more than 24 Hrs. old need not be made. W.	
515750x	9/2	Radio Corpn Of America	Predicting storms by radio -rqst data on. W To. fwds copy. 9/10 Radio Corpn of America. 9/11 Acknowledges. W	

WIRE RADIO 1922

Number.	Date.	From or To—	Subject.
641630	9/19	To Eng Exp Sta Annapolis	Reqsts inform on cable at Station- W Exp Sta. 9/21 W. To C-I-C Annapolis- Reqsts Inform rel reels 9/28 Exp Sta. 10/2- W To S&A Reqst shipment of cable from Annapolis to CO Anacostia 1188 10/4 RB 10/28 W To Norf- Reqsts Inform 1/9/23
640087	FROM CARD 18		Cavite 10/23 T. Request action W. To Cavite (T) Gives inform rel delivery of wire cc Cavite 10/23 Cavite- 1-18- (T)- Request delivery date material at Cavite. W. To Cavite (T) Expedite delivery wire- will advise 1/29/23 Fwds Cavite via MI 2/9/23

920-1

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WIRE RADIO 1922

Number.	Date.	From or To—	Subject.
652640	12/6	Belden Manfg Co	Fwds small sample of braided and stranded antenna wire W
		To Belden Mfg Co	comments on sample 12/12

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[OVER.]

Number.	Date.	From or To—	Subject.	
622476	5/8	Springfield Wire & Tinsel Co.	Fwds sample of new braided antenna cable-reuuest test W. To Springfield Wire and Tinsel Co- Gives inform 5/12	
623379	5/13	H:L. Judd Co.	Request specifications cov antenna wire. W. To H L Judd Co Fwds specens 5/23	
623889	5/16	H.L.Judd Co	Request specifications covg antenna wire To H L Judd Co- Fwds print 5/29	W
627896	6/13	NY T	Request auth to purchase silk covered copper wire to repair amplidiers on destroyer W NY 6/16 T. Matl urgently needed W. To S&A- Reqts NY to auth'd to purchase silk cc NY 6/17 S&A 6/19 Copy of action to New York W	

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Number.	Date.	From or To—	Subject.
628532	6/10	Xardell Corpn	Fwds sample of hard drawn copper wire for radio antenna W To Xardell Corpn- no need for wire 6/20 Xardell Corpn- Gives information on number of corrugation' 6/26 W.
628985	6/19	Elec Alloy Co	Calls attention to Co's ability to furnish resistance wire for radio rheostats W
630526	6/26	Elec. Alloy Co.	Ideal Resistance wire for radio rheostats. W: Fwds Washington 7/6 W RB 7/18 W
640087	8/31	Cavite (T)	Suggest sufficient wire be shipt to Mare Isl. for submarine T.R. Instln on RAINBOW. W. To Comdt Cavite T WireQuantity size kind wire required. Also loop antenna wire amt need each vessel. 9/5 W Cavite- (T)- Conductor cable not available on local market. 9/18 W To Cavite (T) unable to furnish without complete information 9/20 Cavite- (T) Gives reqstse of wire and cable 10/5 W To Cavite- (T) amount each kind 10/4

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[OVER.]

Number.	Date.	From or To—	Subject.
604984	12/15 1/14	Aircrft Facty Aviation	Request specifications cov high tension cable- fwds samples. W. To Aircraft Fac Phila via Comdt- Gives inform cc Aeronautics 1/25
604886	1/17	To S&A	Ask if there is in the Used material Stock plain rubber covered wire single conductor W S&A- 2/14 W
588910		fwded from card 16	To Belden Mfg Co Ask date wire shipped W 1/26 Belden Mfg. Co. 1/19 W To-- Ask date cables shipped cc Bu of Standards 2/2 Belden Mfg. Co. 2/16 W To Belden Mfg Co-2:21 W To Belden Mfg Co- Reqst inform rel material 4/26 Belden Mfg. Co. Fwds certified invoices cov partial payment. 5/19 K To Belden Mfg Co-- Reqst inform 5/26 Belden Mfg. Co.- Gives approximate cost of cable remaining. 6/3 W. To The Belden Mfg Co-- Reqst inform 6/8 S&A- Fwds invoices of Belden Mfg. Co. 7/8 WK Fwds Washington 7/13 RB 8/7/22. WK Fwds S&A- 9/22 Belden Manfg Co 11/10 Fwds invoices W Fwds S&A 11/17 To Belden Mfg Co- Gives action cc S&A 11/18

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WIRE RADIO 1922

Number.	Date.	From or To—	Subject.	
608538	2/7	Phila.	DFwds samples of rattail wire - ask if same is obsolete. W. To Phila Reqst Inform rel rattail wire W 2/11 Phila- Fwds samples of rat tail wire. 2/28 W Phila- request action. 6/24 W. Fwds S&A 7/3 W cc Phila	
609003	2/14	To Ordn	Submarine Communication cable- Ask if can return amount listed W	919
607835	2/15	Exp. Sta.	Subm list of various lengths of submarine cable available. W	920-5
612749	3/7	Electrical Alloy Co.	Calls attn to characteristics of Ideal resistance wire for radio rheostats. W.	
614605	3/20	Electrical Alloy Co.	Calls attn to Ideal resistance wire for use in construction of radio rheostats. W. To Washington Fwds co let 3/20 from Electrical Alloy Co 3/28	

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[OVER.]

WIRE 1921

Number.	Date.	From or To—	Subject.	
586176	9/18	Pearl Harbor	Litzendraht wire - reports -fwds samples of. W. MI- Fwds sample of Litzendraht wire used at Kehuki W. 10/5 MI- Copy action to Pearl Harbor.10/6 W	
586523	9/20	War Dept	Ask specification for Litzendraht wireW	727-1
588910	10/8	To New England Elec Works American Steel & Wire Co.- Cannot manufg enamel wire.10/24 W Habirshaw Elec Co.- Cannot furn samples 10/24 W Belden Mfg.Co. 10/26 W. To--Gives Instrns rel wire 12/8 Belden Mfg.Co.-Rqst decisions on points listed. 12/12 W. To-- Gives Inform rel cable 12/21 To Belden Mfg Co Gives Instrns rel conductors 1/17/22	listed wire to be used in circuits which are cable of supplying radio frequencycurrents in excess of 20 amperes on wave lengths from 900 to 2000 meters W To Mfg Co's- Rqsts inform on correct type of Litzendraht wire to be used in radio frequency circuits. 10/18 W J. A.Roebling Son Co.- Cannot subm information requested. 10/20 W Belden Mfg.Co 10/20 W.	
564010		SEE CARD 15	To Commercial Cable Co Ack receipt of let 10/7 W All American Cable Co.- Fwds specifications for submarine cables. 10/17 W. To — Ack receipt of data 10/20	

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WIRE 1921

Number.	Date.	From or To—	Subject.
590286	10/15	To MI- Pug Snd (T)	Galvanized rope available Budecks newport without charge- Ask if advantageous use be made any part at shore radio stations W Pug.Sd.- (T) Can use 10,000' 10/20 W. MI- Can use rope. (T) 10/20 W.
590924	10/19	To Comdt's yards	Steel galvanized cable- Reqst inform rel W New York 10/21 Request 5000 feet be furnished W Charleston 10/21 T. Request 7000 feet be furnd W Norf- (T) Lists cable which can be used. 10/24 W. Boston- 10/24 W 8th Dist- (T) Request 6000' 10/25 W Key West- Request 2000' of cable be shipt 10/24 W Phila- 10/27-Rqst Cable be issued to radio stations. W. To Phila- Gives Action 10/29
593933	10/26	MI	Request prints of multi stranded conductor specifictions be fwded. W. To MI Fwds Specens 11/5
594471	10/31	Habirshaw Elec Cable Co	Litzendraht wire :Reqst specens rel To-- Gives detld info on rel wire 11/8

Number.	Date.	From or To—	Subject.
517024	(from card 14)		N.Y. Insulated Wire Co; do not furnish flexible cord; 9-17; W
		Belden Mfg. Co. 10/6 W	Amer Brass Co; 9-17; cannot supply;
		Stand. Underground Cable Co.- Subm quotation. 10/11 W.	Okonite Co; cannot supply; 9-17;
		J.A. Roebling Son Co. Subm quotation with sample. 10/12 W.	Okonite Co.- Offers substitute. 9/23 W
		To Roeblings Sons Co- Gives inform 10-26	Hazard Co.- Cannot supply. 9/21 W
			American Elec. Works- Cannot furnish. 9/21 W.
			Indiana Co.- Do not manufacture. 9/23 W.
			J. A. Roebling Co. Can supply. 9/24 W.
		Standard Underground Cable Co; fwds sample of wire; 10-23; W	American Seetl & wire Co.-T)- Quotes prices on cable. 9/28 W.
		To-- Sample fwded Phila 10-27	Simplex Wire and Cable Co.- Subm quotation 9/29 W
		Simplex W/C Co.-Report on test. 11/5 W	Western Elec. Co. Subm quotation. 10/2 W.
518223	9-23	To Y&D	Disposition to be made of 80' mast Anacostia W
5391p	10/22	To NY	T Royal Eastern Co have 30,000 feet single 706 conductor E&W 14 leaded at 26.79 per thousdan for delivery before November 15th if ordered promptly take action to obtain for radio installations advise action L WR
526443	11-2	To Dept Commerce	Confirmation of phone convsn rel delivery of wire to rep from Yard NY W
			To N.Y. appvl of loan 11/2 (T)
			N.Y.- (T)- Antenna wire for light house Dept delivered. 11/8 W.
534348	12-14	To Boston T	Bur Light Houses, 11/6 W.
			How many feet special submarine antenna cable in stock Boston K W
			Boston- (T)- 4,795 ft. on contract 48464. 12/15 W
			N.Y. - Recommends cable be purchsed and fwded. 3/8 W.
		1921	
537817	12/30	Phila	Confirms telephone conversation in conn with purchase of wire insulators for radio compass project. W.

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N.S.E. Form 134.
WIRE

Number.	Date.	From or To—	Subject.	
538348	1/4	Standard Underground Cable Co'	Subm quotations covering wire.	W.
	To IM NY N.Y. 4/8	3/26 W.	To N.Y. 1-20-21 N.Y.- Suggestions cov specifications. 2/8 W To NY 2-19-21 To IM NY Gives instrns 4/27	
546051	2-12	To Brooklyn	Reqst info rel 8 coils phospher bronze wire available in used material account tW Nav. Sup Depot 2/14 W. To NSD- no further action be taken 2-17	
552510	3/22	To Boston (T)	Ask how many feet sub loop antenna wire on hand- W Boston-(T) Gives amount of wire on hand. 3/23 W	
555883	4/2	Phila.	Fwds letter from CO of various Destrys rel to why Litzendraht wire is requested. W.	
564010	5-18	To Western Elec Co	Reqst info rel manfg of submarine commun cable. W Western Elec. Co. 6/1 W	
	To Comm Cable Co Reqst Data 10/4 All American Cables-Will fwd data when collected/ 10/7 W Commercian Cable Co. 10/7-Fwds specfns cov St. John Cable. 10/7 W		To C&R- Data not now available gives inform 10/4 To All American cables Inc- Reqst data of gen nature rel to deep sea cable- W 10/4	
568032	45/28	Dept of Commerce	Fwds copy of letter from Clinton Refg. Co. rel to co's ability to make wire. W.	
567032	6-9	To Clinton Refining Co	Reqst dat be subm in various types of resistance wire W	
Boston reqn 245/21	7/14	To Boston via S&A	Antenna wire insulated for submarines WR	

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[OVER.]

WIRE 1920

Number.	Date.	From or To—	Subject.	
481499	3-19	To Standard Underground Cable Co.,	Reqst fwd catalog of various types of wire. W Standard Underground Cable Co.- Fwds bulletins 3/23 To. asks fwd addtl copy 4-10 Stand.Underground Cable Co.- Fwds addtl set. 4/13 W	
482941	3/20 3/22	Pug. Sd. (T) S&A	Request wire for radio instlns, ARKANSAS NEW YORK, & TEXAS. Fwded S&A 3/22	W
483324	3/22	N.Y.	Recommends cable at Boston Yard be used up at once and new cable furnished to replace from Standard Underground Cable Co. To IM NY 3/29	W.
483853	3-27	To Standard Underground Cable Co	Fwds specifications. W	
Y&D Bu. 428	4-2	Fwd S.O. Ny	Disposition of material received for shipment to Lorient, France. copy to Key West-I.M. Norf and 9th Dist.	W
486093	4-8	To S&A	Reqst shipment from N.Y. to Key West 15,000 ft of wire for radio station St Petersburg. W (2126) S&A 4/23, W fwd S&A 4/27 cc Cdt 9th IM Norf and Cdt K.W. canc of shipt order 4/30	
488285	4/16	H. D. Kinney	Ask if Navy has any detector bulbs for sale.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
489398	4/21	American R/R/Corpn	Request American Brass Co. be directed to expedite shipt of wire to Belden Co.	W.
496438	5/25	American R/R/Copn.	Fwds sample of Litz wire which is being recd from Belden Co. Calls attn to defects in. W	
497843	6-7	To Secty War	Reqst transfer of army trench cable in store at San Antonio Texas be made to Dept. W To War Dept. advise when reply be made 7/22 S&A- Copy of action to War Dept. 8/16 W War Dept- Transfer authorized. 9/15 W.	
502150	6/2 6/25	War Dept S&A	Request disposition of antenna wire at storehouse. W. fwd S&A 7/1	#2
517024 TO CARD 15	9-15	To Firms Rome Wire Co.-Cannot supply 9/18 Atlantic IWC Co; do not furnish flexible cord: 9-17: W Safety Insul Wire & Cable Co; do;9-17.	Reqst fwd samples of cable W Acme Wire Co. 9/18 Cannot supply. W. Lwell Co. ditto Massachusetts Co. ditto Driver-Harris Co. ditto	
516885	9/11	N.Y.	Recommends cable being supply Coast Guard be spliced in the field instead of sending to N.Y. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
457999	11/15	To Bureau Standards	Reqst fwd data on radio research problem 25vacuum tube trans set Speaker system, for use in conn with future design of such apparatus. W	
458000	11/17	To Anacostia	Considersproblems 10 and 12 completed. W	
458597	11/21	To S&A	Reqst shipmt from NY to Washington 15000 feet radio antenna wire. W S&A 11-26 fwd S&A 11/29	
460419	11-28	Boston (T)	300 feet of loop antenna wire shipt 11-28 to Washington.	W
464311	12-22	To S.O. Boston	Special underground receiving cable. Stock. Reqts furnish report. W Boston 12/26	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
465655	12/27	Phila. (T)	Report covering shipt of cable to Norf. by express.	W.
466876	1/3	Boston (T)	Submarine loop anetnna wire- status of shipt of Standard Underground Cable Co. Phila. Confirms telephone conversation in conn with request for transfer of loop antenna wire. 1/2	W.
48464	1/19	To Navy Yard Boston T	Despatch five thousand ft submarine loop antenna wire shipped Boston. Rqst existing shipping orders be immediately filled. W	629
473047	1/27	3rd Dis	Fwds print of Western Elec type head telephone showing proposed change in cord support. W	902
477317	2/21	To S&A. To S&A. reqst status 7/23	Reqst shipment from Fleet Base to Great Lakes radio appr. W Fleet Sup Base-Fwds proposals 5/8 W. To NY advise rel status 6-18 cc G. Lakes N.Y. 6/26 W	
480279	3/5	Dept. of Public Safety, Norf.	Ask if can secure old wire from Navy for installing radio apparatus at Police Headquarters, Norf.	W.
		To S&A- Recommends material be supplied. 3-10 To Norf (T)- Telefunken set removed from McDONOUGH be held pending instructions from SANDA for sale. 3-12	Norf. Dept. of Public Safety- Request radio set be assigned to city. 3/9 Fwd S&A 3/11 To S&A- 3-12	

WIRE:

Number.	Date.	From or To—	Subject.	
418214	5;13	Ph	Conf tel conv reqst rubber cov antenna wire be delivered by spec messenger.	W
418129	5-15	To S&A	Reqst shipment from P hila to Washn 4-~~gorman~~ 500 ft special wire	906
427877	6;23	Engr Equip Co	Asbestos cov wire, sub infor re uses of and ability of Co to sup. To req fwd samples 6/26 Engr Equip Co-Fwds samples of rockbestos wire. 6:27 To Norfolk fwds price list and samp of Rockbestos magnet wire 7/1	W W
427654	6/24	To Standard Und Cable Co	Reqst estimate cost per ft of cable be quoted Bureau W Stand Under Gr Cable Co- Cannot furn infor req. 7;7	
428048	6/25	To S&A e	Req ship from Boston to Phi la wire W	
435146	7/28	To Boston	Req no of feet of special subterranean radio receiving cable on contract 45566-1919 W RB 8.5 Boston 8;13	

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[OVER.]

Number.	Date.	From or To—	Subject.	
440139	8/16	Bath	Ask if rubber insulated lead covered cable for radio telephone installation satisfactory-W	345-Q-6
9 447570	9-25	Phila (T)	Rqst expedite shpmt of cable for submarine loop antenna. To Phila (T) 9/26	W
452477	10/15	Westinghouse E/M Co.	Fwds sample of rubber covered wire for inspection. W. To Westinghouse E & M Co-Sample of rubber sat. 10;20	
452458	10;21	To Navy Yrd NY	Fwds data on Radio Pilotin Cable. To IM NY- fwds photostats 10/25 ~~To IM NY- fwds data on radio~~ piloting cable 10/21 To Sec War- reqst for cable laying vessel 11/3 To New York 11-10 To N.Y.-Have reqst Opr for expr vessel for test of radio piloting cable 11/13 To IM N.Y.- change in spec for radio piloting cable 11/15 War Dept 11-13 Will advise when cable shipt Jos Henry is available for laying cable- (cross 711-5)	W

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Number.	Date.	From or To—	Subject.	
386500	1/20	To Phila	Req info re to wire in stock Phila-No wire carried in stock. 1;25	W
386748	1/18	Inspr Brook	Submits report on teat of Litzendrought wireL 731	
389370	1/30	To SAVANNAH	Contracted for 4,000' of insulation wire for submarine underwater equipmt 2000 ' to be delivered to, SAVANNAH 1/30	907
391209	2;1	Inspr Brooklyn	Fwds copy of correspondence between Marconi Co and Belden Mfg Co in con with Litzendraht Wire.	W
38271	2/19	To Inspr Chic (T)	Requ del of Litzebdraht wire from Belden Co to Wireless Spec Co Belden Co not shipping as promised W-S	629
43881	3/8	To Inspr Brook	Contract 43881 covg 4,000,000 ft of wire cancelled Contract 41763 has been modified to provide for one instead of two millpn Ft of antenna wire S	629
405604	3;26	Marlin Rockwell Corp	Order for their Rockbestos wire for radio work etc.	W

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1919

Number.	Date.	From or To—	Subject.	
4807	3/22	Brook	States improved antenna wire being mfged by the Inetnatl Radio Co	629
408557	4-8	To S&A	Asks prepare shipmen order transferring 2500 ft conductor cable to Boston yard installm destroyers L	902
410875	4-15	To S&A	Req shipment from Brook to Phila cable W	
413982	5;29	Fwd to S&A	Received back 7;31	
4				
413970	4;28	TO S&A	Reqs ship from Brook to Phila of wire.	W
415127	5;3	To Baker & Co	Asks quotations on wire. Baker & Co 5;10 To Baker & Co Inc- reqst quotations 5-14 Baker & Co-Sub quotations cov wire 5;21	W
416937	5-12	To S&A	Reqst shipment from Boston to Washn 500 ft special wire. W To S&A req cance 1 of SO 5-12 5-14	

WIRE:

Number.	Date.	From or To—	Subject.	
345502		FROM CARD 9	Boston Oct. 17	
362182	11-1	To NY	RE proposed arrangement for receiver wiring-reqts that samples of plug board, plug and control board be submitted to Bu W To--- (T) Reqts. immed. ship. of devices 12/3 NY- Tel 12;7	
375253	12;2	Edw C Cassidy	Fwds samples of various types of Rajah terminal to be used in con with wireless outfit for Marconi Co. W	
375341	12;5	Bureau of Standard	Fwds report of results of measurments on samples of insulated cable sub. W.	
376934	None	Inspr Curtiss. Tel.	Sug that wire nec to complete install of Marcon set be shipped to complete contract rather than purchase from Curtiss. W.	918
376934	12/16	To Inspr Buff.	350 feet of model "H" high tension cable will be furnished by Bu at once. W.	918

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N.S.E. Form 134 906

WIRE:

Number.	Date.	From or To—	Subject.	
380276	12;23	International R T Corp	Sub quotations on special aero compass wire.	
378947	12/24	TO NY	Fwds vandykes print showing propoaed turet offiwers emergency switch	L
383561	1/9	To Dudlow Mfg Co.	Rqst info whether you can manf and supply a quantitu of from 1000 to 2000 ft of cable, also estimate of cost and time required for delivery are also desired. W. Dudlo Mfg Co-Cannot furnish material req. W 1:11 New England Elec Works-Quotes prices. W 1;14	
385888	1/19	To Roeblings Sons Co.	Fwds specifications	W
386493	1/2 0	To New York	Req info re to wire in stock	W
386494	1/20	To Boston Mass.	Req info re to wire in stock. Boston-Tel- No copper wire available for shipment. 1;23	W

Number.	Date.	From or To—	Subject.	
345018	8/30	Hampton Roads	Best type of antenna wire, sub table of data, also sample of wire. W	
345502	9/9	To S&A covered two conductor 7 stranded 4 thousand CM copper wire for imm ediate shipmt to Bost 10-15	Reqts. shipt. of rad. material from NY to Boston for TBDs. W NY. Oct. 10 Telegram delivery being expediated W	
346836	9/11	To Bost-(T) 600' lead covered c Cable for radio installns on Destr To WM Sterns (T)	To NY (T) 11510- Confirming phone conversation with Mr Collins authorize substitution of lead shipd 10-14 thru East SS CO 10-17 Direct Dr. Har Wire Co release 1650 ft. & gives other instr. W	See 10
347654	9/14	To West Elec Co. Co.	Investigating difficulties in use of Nichrome wire W	898
313888		See CARD 7	To Phila. Reqts. information as to need for add. million ft. W Fwd S&A 11-2 Fwd S&A 11-2	
303512	9:26	American RR Corp SEE CARD 6	Fwds copy of letter to, in connection with whereabouts of model reels. To----States that Model 3 & T-5 reels have been ret'd to Signal Cor. Rad. Dev. Sec. 10/4	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
352921	9/24	Boston	Conf tel conv in conn w dif in obtaining copper clad wire for radio tel	902
356004	10-9	To Manhattan Elec Supply	, Rqst if order for cable has been completed, W Manhattan Elec. Supply Co/ Oct. 11	
359012	10-10	To Boston (T)	Inform how much silicon bronze radio antenna wire shipt Chasn since Sept 1st, W To--- (T) Advise amt radio antenna wire 7 No 18 shipped M Is since Aug first 10-14	
357419	10-15	To NY	Asks for 4 thousand feet of Phosphor bronze wire as given-if not instock asks info of wire conresponding To Bost ditto 10-15 Boston Oct. 19 NY- Wire not available 10;23	W
357717	10-15	To Belden Mfg Co	(T) Ref your desp 11th Antenna wire silicon bronze not insulated Signal Corps specfs 416 I Bids close Oct 17th	W
359012	10/11	Boston	Telegram - States shipment to - wire to Charleston Boston Oct. 16 Telegram 60,000 ft. Antenna wire shipped Mare Island since Aug. one To---- Asks that Bost ship M Is 24,000 feet wire per month until Jan 1-1919 10-17	

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[OVER.]

WIRE:

Number.	Date.	From or To—	Subject.	
324811	7;5	Boston	Confirms tel conversation in connection with shipment of antenna wire to Standard Underground Cable Co.	
324931	7;5	Boston	Confirms tel conversation in connection with antenna wire shipped to Boston. W	
N-2598	6/29	Inspr GE	Fwds contractors letter in conn w shipt of cables and asks if same shall go forward on government bill of lading Fwd S&A 6/29 Fwd S&A 7/6 Fwd GE 7/9	629
298581	7/13	See Card 6.	To Nav.Ex.Sta.NL via Com.NL. Reqts. report on present status of cable. 7/13	
327412	7;16	E J Simon Co.	Relative to antenna being mfg by Deforest Co, using metal screws instead of other material., same will not work satisfactorily. W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
331943	7/27	Phila	Sub comments i conn with new type antenna wire	875
332165	7;30	S&A	Fwds correspondence with navy board for commandeering in connection with possible ~~chance~~ purchase of silicon bronze wire. W Fwd. S&A 8/6	
333025	8;1 Washington-Submits report of test 2;1 To- re test made CALIDO RAYO COMET PEHNIX IDEAL LUCERO approved 2-6	Electrical Alloy Co	Sub information re-elec alloy same as chromierm alloy for use in the mfg of wireless equip W To---- Asks to submit samples of materials for investigation. 8/6 To Wash. Re test on samples fwd. by Elec. Alloy Co. 8/6 Elec Alloy Co 8;13 Asks size specimens wanted 8;13 To Wash. Attaches copy of let. 8/27	
332277	7;29	Navy Brd for Commandeering	Fwds copy of letter from Marconi Co in connection with silicon bronze aerial wire on steamship Rwandam. W Navigation 8 ;1 Fwd. S&A 8/6 received back 8;24 Fwd. S&A 8/28	
342848	8;27	Boston	TEL: 110,000 ft silicon bronze wire shipped Pg Sd since July 1st. W	
333026	9;23	Alexanderson Co	Old Number Fwd. Wash. 10/8	

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[OVER.]

1918

WIRE

Number.	Date.	From or To—	Subject.	
303624	5/3	Am R&R Corp	Sample reel - fwds notes covering revision print. W To Norf-Fwds copy letter from American Radio & Research Cor ph--5-7	
303633	5-4	To Driver Harris Co	in re delivery michrone wire for Manhattan Elec Co--5-4 W Driver Harris Co - Balance of material being shipt to Marconi. 4th. 6-4	
298581	5-10	See Card 6	To J A Roeblings Sons- Desires accurate info in re order special cable--W John A Roebling Sons Co. to make immediate shipment of single contractor cable. W 5;13 J A Roeblings Sons Co 6/11 To Roebling. Re requis. & #s for cable. WS 6/17	
305753	5-13	To L/S. Breck Supply Co	Asking information as to when reel will be ready for shipment. W L. S. Brach Supply Co. will mfg. sample airplanes antenae railes and fwd for test. W 5;14 To--Asks what action taken on recommendation W 6/11	
305975	5/11	Experiment Station	Expedites special insolator contractor from Roebling & Son for under water radio test. W	903
306759	5;14	American R & R Corp	Reqts that rail be deliv. to the Army upon completion of test. W	
307137	5-18	S&A	Reqst shipment from Boston to Mare Island 10,000 ft antenna wire	818

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N.S.E. Form 134.

WIRE 906

Number.	Date.	From or To—	Subject.
309771	5-24	TO S&A	Rqst shipment from Miami to Wash-Radio test shop--cable--W
312630	6/1	Belden Manuf Co	Request place code number on specifications for special Belding braid.
313888	6/11	To Com. & Ind. Mgrs.	Antenna wire to be carried in stock for all class of ship equipments -7 #18 silicon bronze W
		To Boston. Schedule of shipts. of antenna wire. 7/24	
See CARD 9		To S&A Reqtd. that Standard U.C.Co. be instructed to ship the next 200,000 ft. of wire by exp. to Boston. 7/25	New Orleans - Fwds shipment test for antenae wire. 6;21 9th Dist 6;25
		To Norf. Confirms tel. conversat. re status of antenna wire. 8/6	Charleston - Give statement of stock required W 6;25 New York - Sub. estimate for bronze antenna wire. 7;8 Ports-Addl instrc W 7;7
		To S&A Gives schedule of shipts. 8/6	Pg Sd - Reqst bureau secure earliest shipment of antenna wire from Boston. W 7-6
S&A-Copy of let to Stand. Cable Co direc.			To PS. Gives schedule of shipts. of antenna wire. 7/24
319080	6;20	Pg Sd (fur wire Bos 8/1	Reqts immediate shipment of 20,000 ft. antenae wire. Boston cannot furnish. W
	6;21	S & A	To Bost- Radio Tel-7-#18-Silicon broze antenna wire on contract 36977 with Standard Underground Cable Co- In re to deliveries and shipments -West Coast Stations- 6-29
	7;18	S&A - Standard Underground Cable Co. reports on shipment made.	
		To S&A- Asks that supply officer Bost hondu express charage for silicon bronze wire actually recd at that yard 1-29	To Boston. Confirming tel.conversation re antenna wire. 7/8
322903	7;2	Stand. Under Gr Cable Co.	Quotes prices for wire. W
323095	7;6	Mare Island	TEL. Gives amount of bronze antenae wire in stock. W
			To S&A Reqts. that Stand. U.C.Co.be isntructed to ship antenna wire accord.to instruct. 7/8

4—3381

[OVER.]

WIRE

Number.	Date.	From or To—	Subject.	
318948	6/22	To Standard Un.Cable Co.	(T) Reqts. representative report radio div. Tuesday morning? To Roeblings Sons Co. (T) Reqts. represent. report rad.div. Tuesday afternoon. 6/22 To Mare Is.	
319080	6/22	To Mare Is. (T) To S&A Reqts. factory inspect.be waived 6/28. To S&A Gives shipping instruct. for Stand.U.C.Co. antenna wire.6/28 To Roebling's Reqts. data re nec. assist. will require to meet del. reqrts. if award contr.wire. 7/2 To S&A Reqts. Stand.U.C.Co., be instruct. to ship wire as per let. 7/9. To Boston	Asks if have 20000 ft. silicon bronze radio antenna wire available shipt. PS. MARE ISL. Asks if shall make shipment of antenae wire. W 6;24 To Standard Under. Cable Co. Confirms tel. conversation of 6/25 to divert 70000 ft. of antenna wire from PS to Boston. W 6/26 To S&A Reqts. antenna wire be diverted to Boston? 6/26 To Standard Under.Cab.Co. Gives instruct.re shipt. of wire. W 6/26 To Mare Is.(T) Do not ship.6/26 Fwds copy of ship reqst. To Mare Is. Antenna wire to be carried in stock for all class of ship equipts. 6/26	SEE other side of card
313888	6;19	Key West	Reqst amount of wire desired. W	
	6;18	Great Lakes	To S&A Gives instruct. for shipt. of antenna wire. 7/19	
	6;24	Norfolk	To S&A Reqtd. that nec. steps be taken to waive inspect. of all wire. 7/19	
	6;25	Portsmouth	To Boston (T) How much wire has been shipped PS since 7/1. 8/28	
	6;21	Philadelphia. W.		
322048	7;5	Driver Harris Co.	Will give delivery date of material on 7;23 W	
339831	8/19	Boston	Conf tel conv asking what wire was to be used for	902

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N.S.E. Form 134.

WIRE

Number.	Date.	From or To—	Subject.
323048	7/6	To Sperry Gyroscope Co.	Driver-Harris Co. have been reqtd. to honor yr. order. 7/6
	W M Sterm - 7;19 W		To Driver Harris Co. Reqts. to honor above order for wire. 7/5
	To Driver-Harris Co. Reqtd. that you supply the Sperry GCo. with reqd. wire immed. 7/25		To Driver Harris(T) Same as above. 7/3
			" " Cannot sell unless Sperry Co. have license to use material. W 7/12
			To W.M.Sterns. Asks to to take action to obtain order for Sperry. 7/17
323095	7/5	To Mare Is. (T)	Wire immed. amt. of sil.bronze antenna wire in stock. W.
302652	7;3	Weston Elec Co	Fwds inspection books for radio tel sets, also specifications. W
319080		See other side	To Boston. Gives lists of shipts. of wire to date. 7/9
			Boston - Confirms tel conversation in connection with antenna wire shipped to Boston. W 7;6
332277	8/8	Fwd. S&A	Reqts. a price be obtained for the 72000 ft. of wire removed from the RYNDAM. W
335207	8;6	Manhattan Supply Co	Calls attention to correspondence with Cutting & Washington relative to delivery of of cable and reqst bureau's decision.

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[OVER.]

WIRE

Number.	Date.	From or To—	Subject.
291287	3/22	To Simplex Wire & Cable Co T	Ask if have available 4000' #12 simplex lead covered cable. W Simplex Wire & Cable Co - (T) can make immediate delivery single contactor lead lead cable - quotes price - W
291288	3/22	To Indiana Rubber & Ins Wire Co T	Ditto. W Indiana Rubber Co-T-cannot furnish.W
291392	3/22	To Okonite Mfg. Co T	Ditto. W Okonite Co-can supply quotes prices.3/23.W Okonite Co-None available for immediate delivery.W 3-25 To--3/27
	3-27	Inspector Boston	Ask if coils of wire--Litzendracht wire in lengths exceeding 1100 feet will be ecceptable
295511	4-4	Amer R&R Corpn	Relative to forwarding types of reels to Hampton Roads - request authority to bid on Schedule opening April 10th. W
295705	4/6	DeForest Co T	Quotes price for airplane reels.W
295700	4/6	Crane RR Corpn	Sample reel fwded Hampton Roads reqt copies schedule.W

4—3381

N.S.E. Form 134.

906:WIRE

Number.	Date.	From or To—	Subject.
297209	4/11	American RR Corpn	Antenna reels submitted to Hampton Roads for test-quotes prices for.W
296852	4/11	To S&A	Reqt shipt of Litzendraht wire from Wash to T. Johnson, At Marconi Co. W
298581	4/19	To Roebling & S ons Co	Instrns re making up special wire as listed.W
			To--(T)Procedure constrnsatis. 4/22
			To--Wire when special cables number one and two will be ready for shipment-4-30 See Card 7
			J A Roeblings Sons Confirms T re shipm of cable 5-1
298868	4/19	To S&A	Reqt shipt of Litzendraht wire from Wash to NY.W
			To (T) Roebling Sons- Express item on e your letter two five C B to Exp Station N Lon care Com. McDowell for J A Willoughby Expedite item two all possible--5-41-- 5-14 New London 7;17
300035	4/19	American RR Corpn	New type of reel-fwds print.W
300424	4-22	To J A Roeblings Sons	Fw ds prints containing specfcs. for two sizes of silicon bronze antenna wire-
301430	4/22	Miami	Ask if cable loaned by Dr/ Austin is to be retained at station or shipped to Tuckerton. W 908
303512	5-1	Am R & R Corp	Fwds reel for typeT-6 to Hampton Roads for test - request return of as soon as possible. W Hampton Roads - 9;21
		American R & R Company 5;16	To American Radio and Research Corp-5-7
		Amer RR Co- Req return to Sig Corps W 8;30	Amer R & R Corpn 5/8-request return of model.
		To---Replying to above. 9/12 To H.Rds.	Reqts. ret. of sample antenna reel to St. 9/13

4—3381 ~~Amer RR Corp~~ Card 9 [OVER.]

1918

WIRE

Number.	Date.	From or To—	Subject.
273411	1/14	To NY	Specns for antenna wire, RY 62A 104A changed to RB 102E. W
276725	1/28	To Atl Flt	Litzendraht wire reqted by ships. Directs make reqts for on Wash yard. W
277554	1-30	Inspr Chgo T	States have rejected Litz wire - asks if desires be sent to Washington Yard for inspection. W
	~~Inspr Chgo~~		
	Fwd Wash--3/9--RB-3/14		To--(T)Directs fwd rejected wire to Wash for inspection.2/1
			Chic - 1/31 - W
			Fwd Wash--2/8--RB--2/28
			Fwd Chgo--3/2
278847	1/31	Inspr Chgo	Reports shipment from Belden by express of Litz wire.W
279313	2-2	E. J. Simon	States has on hand about 10,000 ft. of litz wire.W
			To--Reqt price and weight of.2/8
		p	E.J.Simon-gives weights.2/20.W
			To--Bu has no use for wire.3/1
280950	2/12	To Amer Brass Co T	A sk price 5000# #12 hard drawn bars copper wire.W
			Amer Brass Co-T - Quotes prices. W 2-15
280070	2/13	To Phila T	Ask if can ship to Wash 150' Belden braid without depleting stock. W
			Phila (T) - can furnish 100 feet without depleting stock 2/15 - W
			Phila (T) - 1/2 inch not available - 2/14 W

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N.S.E. Form 134.

WIRE 906

Number.	Date.	From or To—	Subject.	
~~285~~286001	3-1	Washington Yard	Forwards copy of letter to various wire manufacturers, in connection with proposed experiments with Litz wire for short waves.W To--3/5	
286948	3-5	Boston Yard.	Airplane antenna wire. reports on test. W.	918.
289447	3/18	To Bost T GeH.Clark-reports on wire which can shipped.3/21 To S&A--Rect NY be auth to purchase high tension cable from G.S. Saunders.3/30--RB--4/5 Fwd S&A--4/8 Boston 4-5 - S&A 4-9 (Personal telegram) Forwards quotations from Saunders. W. Fwd S&A--4/11 TO S&A--Expedite delivery of ignition cable--4-30 S&A - W 5/3 To (T) Bost- If balance cable not shipped to Hamp Rds retain Bost for future disposition-5-6 S & A 5/9.	Directs advise exact location of ignition be shipped.3/21 Rpd to have been found by Geo S. Saunders Co. Directs inspect and submit report covering.W G.H.Clark-T-Asks how mat'l shall be fwded to Tuckerton. W. 3-18 Grt Lakes Supt-T-GE Co. Chicago, state can make immediate delivery of 10,000'.W 3-18 Gt Lakes - (T) Roebing Central Elec Co can supply ignition cable - 3/16 - W Hill - have located at Boston 12 thousand feet of cable 3/16 - W To Grt Lakes--(T)Ask if Beckley Ralston Co can supply ignition cable.3/16 To Beckley Ralston C o--(T)Ask how many feet ignition cable can supply at once.3/16 To Guy Hill--(T)Directs ascertain source supply Bost or NY ignition cable.3/16 To Geo. H. Clark--(T)Ask where purchased ignition cable for Belmar. 3/16 To Grt L akes--(T)Ask if know where can purchase ignition cable. 3/16 To Bost--3/16 Boston--T-Gives amount of cable can secure.3/18 Beckley Ralstor-3/16 Grt Lakes-List wire that can be obtained. 3-19 To Geo H. Clark--(T)Ask size of conductor and thickness of install of calbe. 3/21	

NB—0120

[OVER.]

1917

4

WIRE: RADIO.

Number.	Date.	From or To—	Subject.	
236628	6-27	M Is	Litzendraht wire for radio stock; reqt specification.W To M.Is.--8/31	
237422	6-29	Wash Yd	Submits report on various kinds of wire.W	
403	7-25	Fwd Bost	Comments re specns for antenna wire.	629
240974	7-27	De Forest Co	Antenna wire; reqt Belden Mfg Co be directed to expedite de ivery.	723-1
244867	8/18	Bost	Antenna wire; specifications; fwds.W	
245031	8/14 8/21 To--9/15 To--9/26 To Bost--Fwds Corres, and directs make reqn.9/26	Standard Underground Cable Co War Dept	1100 pounds of phosphor bronze antenna wire,W offers.W To Bost--Directs notify company that reqn is being prepared to cover. 8/28 Bost 9/11 Standard Underground Cable Co 9/17 Bost 9/15 RB 10/20	
249306	9-11	Bost Yd	Antenna wire; specifications.W	
251212	9/22 9/24	J.H.Bunnell & Co S&A	Gives amount of aerial wire on hand, ready for immediate shipment.W Fwd S&A--9/28	

N.S.E. Form 134.

WIRE: RADIO. 906

Number.	Date.	From or To—	Subject.
258102	10/30	Wash	Litz wire; Chgo recommends changes in specifications·W
258933	11/5 11/6	Boston T S&A	Cutting & Washington reqt 20 thousand feet of phosphorous bronze antenna wire for use in manufacturing commercial radio sets.W
264118	11/28	DeForest Co	States are unable to find any Litz cable such as the Federal Telegraph Co use with their 5 kw helix.W Fwd Wash--12/18 RB 1-16 To--Lists specns for Litzendraht cable.1/18
263831	12/1	To Wireless Imrpove Co	Braided Litzendraht wire may be used for wavemeters under construction, provided the standard stranded wire cannot be obtained.W
624460	12/5	~~12/5~~ To Firms	#36 silk enamel wire for Universal Winding Co., for use in manuf of radio appa. Ask if can supply. W National Acme Co 12-7 Belden Mfg Co 12-8 De Forest Co 12-10 Amer Steel & Wire Co 12-13
268089	12-18	GE Co T	Unable to locate any record of cable furnished in accordance with telephone conversation·W
270880	12/26 1/2	7th nav dis C&R	gives requirements for antenna wire for the next 3 months.W Fwd Key West--1/5

NB--0120

[OVER.]

WIRE: RADIO

1916

Number.	Date.	From or To—	Subject.	
206578	11-24	Phila	Stranded conductor wire for radio frequency circuits; reports on test of.W	
	Phila reports ontest 1/29		Fwd Wash--For comment. 1/3	
	To Wash--Fwds report, and directs test be held. 2/6 RB 3-7		To Phila--Comments on. Reqts certain information. 1/3	
	Wash rec test wire from Belden Co delayed until Litz wire is recd for comparison with 2/27		Phila report will be forwarded Jan 26th 1/20	
209333	12/21	To Belden Mfg. Co	Bu would test samples of Litzendraht wire for radio receiving apparatus as manufd by the Belden Co. Gives specns for.	
			To--Reqt reply to letter Dec 21st. 2/2	
			Belden Co will send information this week 2/5	
210094	12-28	Argentine Nav Com	Phosphor bronze antennae wire; request data on.W.	
			To Nav Intelli--Rec b/p be fwded to. 1/4	

1917

Bost 232	2/5	Fwd S&A	Antenna wire. Rec spec for be strictly in accord with drawing RB 62A 103B. Appvs purchase. WR	
330	2/9	Bost	Reports on test sample antenna wire	706
330	2-10	Bost	Fwds report on test of antenna wire connector.	706
215104	2/17	To Bost	Directs make tests of silicon bronze wire and phosphor bronze wire when used on ships and subjected to smoke and gas over the funnels, to see which is best adapted. W	
			Bost outlines proposed method of testfor antenna wire 3/21	
330	2-17	To Bost	Directs prepare specns for use in future purchases of connectors. Gives outline rec followed.	706
330	2-17	To H. C. Co	Tests shows connectors entirely satis. Will consider in future purchases.	706

NB—0120

N.S.E. Form 134.

WIRE RADIO 906

Number.	Date.	From or To—	Subject.	
217238	3/8	To Bost	Reqt one Vandyke and one print of Bost Radio report RB 3A 116A be fwded to Bu. Sample wire submitted by Amer R&S Corp. W Bost fwds print giving result of test 3/13	
221306	4/6	To Bost	Directs prepare reqn for 1000,000 feet of standard silicon bronze antenna wire, specns RB 62A 101B and 1,000,000 feet antenna wire, specns RB 62A 102B. W	
742	4-8	NY	Antenna wire, Bolden Co and Western Elec Co have furnished suitable wire. p	706
226118	5/3	Phona Bost	Yard reqted infor as to status of reqn 558 for antenna wire. Y	
227481	5/8 Bost 8/16 Bost 8/17 To Bost--Appvs specns.8/30	John A. Roebling's Sons	Co Specifications and prints for bronze wire; comments on.W To Bost--Instrns.5/21 Bost fwds blueprint specifications 6/15 To Bost--Appvs drawing.6/30 To Bost--Reqt reply.8/14	
227578	5/10	To J.A.Roeblings Sons	Co Reqt infor re practicability of manuf No 3 B and S gauge, hard drawn copper wire in 1000 pound lots, in unbroken lengths. W Roebling's Sons Co 5/11	
229995	5/23	Standard Underground Cable Co	Comments on specifications for antenna wire.W To Bost--Fwds copy of above letter.5/26	
403	6-18	Brook	Silicon bronze antenna wire. standard underground Cable Coasks if elastic limit to be determined.	629

NB—0120

[OVER.]

WIRE: RADIO

1915

Number.	Date.	From or To—	Subject.	
159093	6-24	NY	Antennae wire for stock; fwds sample.W To--Appvs recommendations. 6/30 To--Returns for revision. 7/2 NY returns revised 7-21 Fwd S&A-- 7/23	
167944	10-11	To NY-Phila. (R)	Have you in stock any magnet wire used for winding arc radio magnet coils. W NY (R) No wire in stock. 10/11 Phila (R) Ditto. 10/11	

1916

185100	4-20	To J.A.Roebling's Sons.	Hard drawn copper wire of high elastic limit: asks if Co can furnish wire of certain lengths. W Clark (T) possibly can make shipment July 1 4-28 Roebling's Co gives sizes 4-27	
185518	4-26	To Firms.	Antenna wire for radio stations; reqt data for use in calculating physical constants of wire. W Merchant & Evans 5/2 Phosphor B.Sm. Co 5-12 To Bost-- Fwds copy Phosphor Bronze Smelting Co letter for use in preparation of reqns. 5/22 Roeblings Cons 5-23	
	Bost returns letter 6-21			
186425	5-1	To Bost. (T)	How much number 167 stranded radio antenna wire is dye delivery prior June 15th. W Bost (T) 5-1	
9545	5/8	Wireless Imp C o	Recommends changes in specns for Litzendraft wire	706

N.S.E. Form 134.

906 WIRE: RADIO:

Number.	Date.	From or To—	Subject.	
187595	5-12	To J.A.Roebling Sons.	Gives data on reqn prepared for hard drawn copper wire; lists points of deliveries. W	
189193	none	Geo. H. Clark (Memo)	Analysis of bids on schedule 9707, antennae wire for high powered stations. W	
9545	6/1	Bost	Rat tail wire; cancellation ofclass 271 leaves yard without stock	706
190349	6-10	To Yards.	Rattail wire will no longer be considered standard equipment and will not be carried in stock; lists drawings that require no rattial. W	
191461	6-21	NY	Antennae wire; fwds drawings showing standards. W	
198078	8-29 Bost fwds prints 12/13 To--Appvs drawings. 12/20	Bost	Antennae wire; specns 16-R-1a; proposed changes in. W To--Bu desires specns for each size put on a separate A sheet and give separate number. 11/3	
199996	9-21 ~~M-Is-full-report-as-to-essential differences-between-motor-gener-~~ Exp Radio Aide AL Young reports To--Wire unsatis. 1/11	John Firth	Wire for aerials; new type used in English Navy; reqt test sample at laboratory. W Fwd Wash. 9/23 RB 9/27 on test 12/29 Firth will fwd to Wash for test. 9/25 To--Offers to test at Wash. 9/23 Fwd Wash.--Reqt report after test. 9/29 To Wash--Ask when report on wire will be received. 12/6	

NB—0120

[OVER.]

WIRE.

1912

Number.	Date.	From or To—	Subject.	
81575	11/1	To S&A	Request shipment of wire from NY yard to Naval Radio Laboratory, Bu of Standards.W	
82232	11/6	Bost	AERIALS, reqt definite instructions as to kind of wire to be used.	875
			1913	
87757	1/6	NY	AERIAL CABLE, fwds reqn for 120,000' and reqt comment, cannot copper clad steel wire cable.	875
88097	1/16	NY	AERIALS? ASKS WHETHER monot copper clad or silicon shall be purchased for stock.	875
90936	2/19	Bost	AERIALS, reports on stock Monot copper clad wire for, reqt authority to use on RANGER.	875
94697	4/11	To NY & S&A	Insulated iron wire, reqt shipment of 3000 ft. NY to Wash.	916
			1914	
114335	1/7	To S&A	Antenna wire, reqt shipment of 500 ft. from NY to Wash.	916
129200	7-6	S&A 325-5	Fwd reqt from NY Yd for 150,000 for silicon bronze wire for aerials; reqt comment.W [illegible] via Dept.rec purchase.7/9. rb 7 31 [illegible] 7/31.	

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N.S.F. Form 101

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.
646042	10/14	15th Dist.	La Palma- quarterly inspection report. W.
649831	11/7	15th District	Report on special projects Sept and Oct 1922 W To Balboa- Rel shipment of wavemeter 12/6
651856	11/21	15th District	Report covering increased cost of construction of two family quarters. W Fwds ds & Docks 12/7 Y&D 12/11 Copy of action to S&A W Y&D 12/21 W Fwds 15th 1/6/23 RB 2/9 W Fwds S&A via Yds & Docks 2/13/23
654046	12/11	15th District	Monthly report for November on special project W

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BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.
643727	from card 30		To Balboa (T) Fwds copy of instrns cc Washn 12/21
655241	12/29	15th Dist T	Request immediate shipment of long wave receiver for NEVADA W To S&A Reqst shipment of receiver from Washn To Balboa 1848 1/5/23 RB 3/20

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[OVER.]

Number.	Date.	From or To—	Subject.	
644514	10/6	Dept	Fwds correspondense regarding restrictions upon use of radio in Panama- request comments. W. Fwds Naval Communications 10/12 W Fwds 15 Dist via Yds & Docks 10/17	RB 11/20 W
644572	10/7	15th Dist. Copy	Arc out of com ission due to b oken lead. W	
644566	10/6	Y&D	Copy of endorsement to S&A rel to contract for deep well at Cape Malo. W.	
644735	10/9	15th Dist. Copy	Request auth to award contract for drilling well on terms itemized. W. Fwds Yds & Docks 10/11	

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BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
645124	10/9 10/10	15th Dist. (m) S&A	Request cancellation and aut ority covering drilling of well and to place award as itemized. W. Fwds S&A 10/14 W	
645413	10/4	15th Dist.	Subm report on need of LaPalma radio towers for repairs. W. Y&D- Copy action to Balboa.10/19.W	
646044	10/4	15th Dist.	Cape Malo -Quarterly inspection report.W	
646043	10/4	15th Dist.	Puerto O'Baldio- quarterly inspection report. W.	
646041	10/5	15th Dist.	Balboa- Quarterly inspection report.W.	

BALBOA RADIO STATION 1922 30

Number.	Date.	From or To—	Subject.
641781	9/6 9/15	15th Dist. Dept	Restrictions upon use of radio in Panama- comment on. W. Fwds Operns 9/22
642169	9/13	15th Dist.	Fwds radio report for Month of August. W.
642337	9/12 9/21	15th Dist S&A	Request rain clothing allowance be granted radio stations in District W Fwds 15 Dist 9/26 RB 11/14 W To Dir Comms- Commissioning of remote control and recg station cc MI- Guam 10/5
643058	9/27	15th Dist. (T)	Contractor will dig well at Cape Malo - recommends accept offer. W. To Yds & Docks- gives action taken cc 15-dist 10/5

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BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.
643367	9/29	Mare Isl. (T)	New radio control station at Merizo placed in commission; Yigo control station placed out of commission. W To Guam- M (T) Reqsts report 11/1 Guam 11/7 T Repairs not completed L
643503	9/29	Y&D	Copy of letter to S&A requesting 15th Dist be authorized to make contract for digging well at Cape Mala W
643727	9/23	15th Dist.	Request instructions cov issuing model RC receiving equipt to Balboa Sta. W. To S&A Reqst shipment of condenser unit from Washn to SO Balboa 1237 10/9 RB 11/17 W To Comdt Balboa- Receivers not satis. 10/14 W 15th Dist- (T) Rqst instrns cov issue of receiving equipt. 12/20/22. W
		card 32	
644363	10/5	Dept	Copy of letter to 13th Dist. submitting recommendations for new compliments of communication activities in 13th Dist. W
		VOID SEE 914	

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[OVER.]

BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
631804	7/1	15th Dist.	Fwds quarterly inspection reports for various stations.W	
634402	7/14	15th Dist.	Fwds report on special projects month ending 6/30 W	
635938	7/25	15th Dist.	Request maintenance allotment for stations in 15th Dist. be increased to cover sussistence.W Fwds Navign via Dir commns Dept 8/18 RB 9/26 W. Fwds 15 Dist 10/6 RB 11/1 with estimates in detail Mare Island-Copy action to Dept. 10/26 W Fwds Navign via Dir Commns 11/4 Fwds Balboa via Opern 1/8/23	
637523	8/14	15th Dist. (T)	Request auth to draw Gould batteries from storage for use at Puerto OBaldio. W To 15 Dist (T) status of shipment 8/16	

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BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
637877	8/5	15th Dist.	No work performed on special projects fiscal year 1923. W.	
637916	8/8	15th Dist.	Fwds copy of letter from Secretary of State to American Minister at Panama rel to immunity of enlisted wireless operators from arrest at La Palma and Peruto O'Baldio. W. Fwds Dir Commns 8/26	
638685	8/10	15th Dist.	Request spare transformer coils be fwded by mail to Balboa Sta. W. To S&A Reqst shipment of transformers from Washn to S Balboa 965 8/28 RB 2/9 W 15th Dist- Request addtl inform be fwded. 9/2-W To 15 Dist- Reqsts report on sets Coils 9/16 15th Dist- Report on operation of RB receiver 10/2 Fwds 15th Dist 11/8	
641306	9/5 9/7	Balboa 15th Dist.	Subm request for allotment cov addition to quarter of officer in charge. WK To 15 Dist- allotment not granted 9/16	

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[OVER.]

BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
625987	5/31	15th Dist. (T)	Request immediate shipt of radiation meter. W To Balboa- Reqsts report 6/7	
626512	6/3	Y&D	Returns savings under allotment cov projects at Cape Nale and La Palma. W. Y&D- Copy of letter to 15th Dist fwding credit cards. 6/3 W.	
627168	5/26	15th Dist.	Fwds invoice cov radio telephone- ask what allotment chargeable to. W. To 15 Dist- gives inform 6/21	
628940	6/20	15th Dist T	Request auth to transfer charges against certain projects in order to balance same W To 15 Dist (T) approved 6/21	

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Number.	Date.	From or To—	Subject.	
628973	6/20	15th Dist T	Request auth to obligate money allotted for installation of transmitting set W	
631052	6/23	15th Dist.	Request 5 KW spark gap to replace one loaned HENDERSON. W. To S&A Reqst shipment of spark gap from Brook to SO Balboa 711 7/13 RB 9/18 W	
631348	6/30	15th Dist.	Quarterly inspection report. W. To Balboa-Data rqsts 7/12 W	
631799	7/1	15th Dist:	Quarterly inspection report LaPalma.W.	
631801	7/1	15th Dist.	Quarterly inspection report, Puerto OBaldio.W	
631800	7/1	15th Dist.	Quarterly inspection report1 Cape Malo. W.	

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[OVER.]

BALBOA RADIO STATION 1922

Number.	Date.	From or To—	Subject.
620292	4/24	Y&D	Copy of letter to 15th Dist. directing get in touch with Governor of Panama Canal rel to construction of quarters. W. I
621303	5/4	To S&A 198	Reqst. shipment of mat from Washn to 30 Balboa W RB 9/26/22. W.
621968	5/5	Y&D	Copy of telegram to 15th Dist directing expedite all projects chargeable to Engineering 1922. W/
622542	5/9	15th Dist. (T)	Request immediate shipt of RB receiving set W. 15th Dist- (T) Gives dimensions of wire which will be used 5/11 W. To 15 Dist (T) rel statts of shipment 5/10 To Balboa- rqn shld be submitted 5/17
622543	5/9	15th Dist. (T)	Request authority to use savings from other projects for painting of towers at Colon. W To Yds & Docks apprvd 5/13

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BALBOA RADIO STATION 1922

Number.	Date.	From or To—		Subject.
623102	5/10	15th Dist.	(T)	Ask if Bureau will furn charging panel- Panama Cano could manufacture. W. To 15 Dist Balboa (T) Reqst inform 5/13
623324	5/13	15th Dist.	(T)	Lists equipt recd for TD tube transmitter- ask when remainder wil be furn. W. Fwds Inspr mat GE cc 15 Dist 5/17 RB 5/27 W Fwds 15 Dist 6/1 RB 7/18/22. W
624158	5/9	15th Dist.		Subm status of special projects. W.
624161	5/18	15th Dist	Copy	Request more power be used when sending press. W
625215	5/17	15th Dist.		Report cov instln of 5 KW battery charging set at Balboa instead of Colon. W. To 15 Dist (T) instln appvd 5/25

BALBOA STATION RADIO · 1922

Number.	Date.	From or To—	Subject.	
605872	1/12	Balboa	Status of special products. W. To 15th Dis-shipments delayed-Bu cancels project B-203-E-22-2;21-W 15th Dist- Ask date of shipt of motor generator. 3 /16 W.	
606260	1/14	15th Dist.	Subm report on over expenditures on building boat houses at La Palma and Cape Malo. To 15 Dist Diversion of $383.00 authd 1/26 Y&D- Copy action to 15th Dist. 7/7 W	
608703	2/8	Y&D	Copy of letter to Balboa Stating approved allotment card will be fwded cov savings under allotments. W.	
610051	2/14	15th Dist.	Report on work performed and status of special projects. W To S&A-reqt delivery be effected-3;2- W R	
614624	3/6 3/11	Balboa 15th Dist.	Report on status of special project authorized W	

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BALBOA STATION RADIO 1922

Number.	Date.	From or To—	Subject.
615876	4/1	To 15 Dist via Yds & Docks Double married quarters and addition to barracks	Allotment made W Y&D- Copy action to Panama Canal 4/6 W. Y&D- Copy action to S&A 4/6 W. Y&D- Cpy action to 15th Dist. 4/6 W. Fwds rds & Docks 5/16
617137	3/27 3/27	Balboa 15th Dist.	Request auth to expend sufficient money from maintenance allotment of various radio stations to repair wooden towers at Puerto O'Baldio. W. To 15 Dist confirms Action of Comdt 4/8
618556	3/31 4/6	Balboa 15th Dist	Quarterly inspection report. W. To 15 Dist- Gives status of shipment 4/20
618558	4/6	15th Dist.	Quarterly inspection report, Balboa Sta. W. To S&A Dist 4/19 Gives shipping Instrns cc 15 S&A-Report from various yards on shipt of material. 5/4 W.(3)
619517	4/10	15th Dist.	Report on status of special projects authorized at various radio stations. W.

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[OVER.]

BALBOA RADIO STATION 1921

Number.	Date.	From or To—	Subject.
596334	11/10	15th Dist.	Report of work performed and status of special projects for fiscal year 1922 in 15th Dist. W. To P 15 Dist via S&A Ask disposition made of set 12/1 RB 3/15/22 W Fwds 15 Dist 3/17 RB 4/29 W. Fwds S&A cc 15 Dist 5/4
596396	11/19	To 15 Dist	Loop for use with Model "RB" long wave receiving Equipments- Fwds Plan W Balboa- Rqst money be made available for instln of new roof. 12/16 W To 15 Dist Gives Action 12/30 15th Dist. 1/12 W.
Cavite Eng 54/22 12/15		Fwd Yds & Docks	Living Quarters- Naval Radio Station Los Banos W R
601858	12/13	Canal Zone	Quarterly inspection report, Cape Malo. W.
601966	12/15	15th Dist.	Balboa Sta- Quarterly inspection report. W.
601958	12/15	15th Dist.	LaPalma Station- quarterly inspection report W

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BALBOA STATION

Number.	Date.	From or To—	Subject.	
601967	12/15	15th Dist	Cape Malo- Quarterly inspection report. To 15 Dist- Gives Inform 1/5/22	W
603452	12/28	Balboa	request 1000 pads pf standard message form for radio telegraph be furn. 12/28 W.	
595687	FROM CARD 24		Fairbanks Morese & Co.- Request shipt of armature. W. 1/13 To-- Gives Action taken cc 15 Dist- S&A 1/24 Fwd S&A cc 15 Dist 1/24 RB 2/1 W Fwd S&A 2/14 S&A - Copy shipt order cov generator armature from Ham. Rds. to 15th Dist. 3/23 W S&A- Copy shipt order cov generator armature from 15th Dist to Ham. Rds. 3/23 W.	
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BALBOA RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
579977	8/1	15th Dist.	Recommends radio inspectors be transfferd to some other yard and be replaced by radio Gunners. W. To Comdt 15th Dist- 8/13 fwd Navigation 8-24	
580808	8/3	15th Dist.	Crystabol request one 5 KW motor generator with spares, be furn. W.	
581127	8/6	15th Dist.	Fwds request of civilian radio inspectors for living quarters. K To Comdt 15th Dist- 8-25	
582473	8/9 8/25	Balboa DN.C	Gives reasons why passenger auto should be retained in service. W. fwd Asst Sec via Y&D- 8-27 RB 9/6 W Fwd Dept 9/13 Y&D-Copy action to 15th Dist. 9/24 W	
9 585077	9/19	To S&A 8794	Reqst shipmt of mat from Phila to Balboa W To S&A Reqst shipmt of mat from Wash to Balboa 8796 9/20 To Phila Reqst Inform rel name plate data 9/23 To S&A Reqst shipmt of batteries from Norf to Balboa 8831 9/26 Phila- 3 amplifiers shipt to Canal Zone. 10/5 W.	
571574	9/17	15th Naval Dist	Recommends spare antenna be provided for Darien & Balboa also adequate water supply for Cape Mala W	604-22

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BALBOA RADIO STATION 1921

Number.	Date.	From or To—	Subject.
588192	9/30	ACCS	Copy letter to 15th Dist in connwith excellent working of the Washington-Balboa circuit. W.
588246	10/1	15th Dist. (T)	Request allotment of $730 coy pay of radio inspectors for 2nd quarter 1922. W. To 15 Dist (T) Allotment made 10/3
589473	9/16	Lt. Cdr. J. L. Kauffman, Canal Zone.	Rqst assitance in keeping car for transportation purposes- rqst auth to use money saved on preservation of buildings. W.
589705	9/30	15th Dist.	Subm report of work performed and status of special projects authorized for fiscal year 1922. W.
		S&A- Circ- rqst all shipts for stations in 15th dist be consigned to supply officer, 15th Dist. 11/23 W	To S&A- Gives inform rel shipments of mat 11/19 To 15 Dist- shipment of insulators authd 11/23
589703	9/30	15th Dist.	Quarterly inspection report Cape Malo Sta. W.
589675	9/30	15th Dist.	Quarterly inspection report, Balboa Sta. W.
595687	11/7	15th Dist.	Request auth to settle bill of Panama Canal coy repairs to Armature of 10 KW generator. W To 15 Dist- Payment to Panama Canal appvd 11/17
CARD 25			To Fairbanks Morse Co- Reqst inf orm cc 15 Dist 11/17 Fairbanks-Morse Co.-Ask serial numbers of machines. 11/18 W. To Fairbanks Morse & Co- Gives inform 11/26 Fairbanks Morse & Co-12/29 W

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[OVER.]

Number.	Date.	From or To—	Subject.
556624	FROM CARD 22		15th Dist. Rqst detail of radio repair men to 15th Dist. 5/9 W. To Comdt 15th Dist 5-28 copy Commun fwd Nav via Oprns 6-2
566247	5/17	15th Dist.	Construction of boat house at Cape Malo and Lake Palma radio station- fwds prints with estimates on. W.
566029	5/21	Balboa	Pay of all cooks discontinued since 5/1/21. W
565788	6-7	To S&A	Reqst shipmt of rec set from Washington to Balboa W 7671
569984	6-17	To Comdt M.Island	Permission granted to visit station- see ~~830~~
[illegible]	[illegible]		15th Dist- 6/11 W.

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BALBOA 1921

Number.	Date.	From or To—	Subject.	
572261	6/20	Balboa	Calls attn to unsatisf quarters for Civilian radio inspector. W. To Comdt 15th Dist. 7/5 15th Dist- Report on quarters available. 7/22 W To 15th Dist--Cannot furnish quarters. 8/9W	
573181	6;21	15th Dis	Submits proposition made by J.Hilbert covering drilling wheel for water supply.W To Comdt 15th Dist- -reqst supplementary recs at later date. W 7/12	
574765	7;2	Balboa	Issue of linen to barracks and married quarters-ask if will authorize.W To Comdt 15th Dist 7/23	
573341	7 13	Fwd Sol via Commun	Title to stations at La Palma and Puerto Obaldia. W Gives recs. JAG- Copy letter to State Dept rel to title Land. 12/9 W. Fwd 15 Dist 12/23 RB 3/23/22. W.	
575892	6;29	Balboa	Reqt Bureau monthly radio report be furnished for May 1st.W	
577457	7/16	15th Dist.	Quarterly inspection report Cape Malo Sta. W.	
577459	7/16	15th Dist.	Quarterly inspection report, Balboa Sta. W. To Comdt 15th Dist 7/30	
579880	8/1	15th Dist	Request disposition of 2 1/2 KW Telefunken spark gap. W. To Comdt 15th Dist. 8/16	

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BALBOA 1921

Number.	Date.	From or To—	Subject.
548887	2/18	15th dist.	Quarterly inspection report. W.
549489	2/19 2/21	Coco Solo 15th Dist.	Quarterly inspection report. W.
551635	2/23 15th Dist- 6/27	15th Dist. Copy	Refrigerators at radio station not operating due to lack of sulphur dioxide. WR. To 15 Dist Fwds 3 copies of bulletin 3/26 To Communications Gives inform re shipmt 4/15
552374	3/4 3/19	Balboa Communications	Combination of offices of Dist Supt and Dist radio material officer- suggestions and recommendations cov. W 914
553553	3/25	15th Dist. Copy	Request authority to divide antenna will not interfere with District work. W To 15 Dist (T) 3/26 15th Dist- Copy- Small antenna used only for receiving. 3/31 W. To 15 Dist (T) Appv'd 4/2
554			
556624 TO CARD 23 15th Dist-Subm statement of acct.5/3 W	3/22 3/29 fwd Commun 5-13	Coco Solo 15th Dist. RR 5/20 W.	Adjustment of yearly maintenance allowance at LaPalma. Subm estimates. W. To 15 Dist - cc Comm 4/20 15th Dist 5/4 W
556623	3/16 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintenance allowance at Balboa, Darien Sta. W.
556622	3/23 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintenance allowance at Cape Malo Station W
556621	3/23 3/29	Coco Solo 15h Dist.	Adjustment of yearly maintenance allowance at Puerto O'Baldio. W.

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N.S.E. Form 134.

BALBOA 1921

Number.	Date.	From or To—	Subject.	
557886	4/18	To 15 Dist	Long Wave Receiver- Complete receiver to be ready for shipment about latter part of may from Washn yard cc Dir Comm-Washn W	
557522	4/18	To Dist Comm Balboa	Commendation for Excellent communication service performed cc Dir Comm W	
559496	4/13	15th Dist.	Cape Malo- quarterly inspection report. W.	
560335	4;15 4;18	Coco Solo 15th Dis	Submits estimate covering revision of annual maintainence allowance for Puerto Obaldia.W	
560333	4;15 4;18	Coco Solo 15th Dis	Submits estimates covering revision of annual maintainence allowance for Cape Malta.W	
560332	4;15 4;18	Coco Solo 15th Dis	Submits estimates covering revision of annual maintainence allowance for Balboa and Darien.W	
560334	4;15	Cocl Solo	Submits estimates covering revision of annual maintainence allowance for La Palma.W	
562164	4/25	15th Dist.	Quarterly inppection report, Balboa Sta.W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
524784	10-25	To S&A	Reqst shipmt of vacuum tubes from Washn to 15 Dist 4923 W.
524797	10-25 15th Dist. Dist. 5/13 fwd C&R 6-2 RB 6/14 W C&R- Copy action to 15th Dist. 6/13 W To Commun 6-16	To 15 Dist Subm inform rel to boats assigned to stations in 15th W	Recomdns in conn with Dist comm supts Quarterly inspection report of W. To Comdt 15th Dist- reqst info 2-7-21 15th Dist. Request action rel to constrn of boat house. 3/2 W. To 15 Dist Reqst inform re Motor Sailer cc C&R 4/6
15 N D Eng 20	10-25	To S&A	Radio Tel U S naval radio Sta Puerto Cabalda; Furniture W. 15th Dist. 6/11 W.
525880	10-19	15th Dist	Quarterly inspection report; W
527312	10/22	Balboa	Req est 2 KW transmitting set be furn to replace one installed. W. To Comdt 15th Dist 11-19 15th Dist- Fwds copy of survey 1/20 cov radio switch board and transmitter panel. 4/30 W
527314	10/20	15th Dist.	Quarterly inspection report. W.
529506	11/4	15th dist .	Quarterly inspection re ort. W.

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BALBOA 1920 1 1

Number.	Date.	From or To—	Subject.
530401	11-23	To S&A	Reqst shipmt of devices from Puget Sound to Balboa W
533120	11/17 12/6	Coco Solo Communications	Report on communications recd from Port Lymon Sta during flight. W
534230	12/10	15th Dist. Copy	Report covering damage to cells due to excessive heat. W. To Comdt 15th Dist 12-17
534228	12/24 12/3	Balboa 15th Dist. 722-1	Recommends type writers in use be replaced by heavy telegraph type. W. cross To Comdt 15th Dist 1-8-21
534235	11/24 12/3	Balboa 15th Dist.	Request gasoline driven lawn mower be furn. W To 15th Dist. 12/15
537659	12/26	15th Dizt.	Subm rqst for battery spares for Cape Palo. Sta. W.
512391	FROM CARD 20		Balboa 1/15 W. Balboa 1/31 W. 15th Dist. 3/1 W. 15th Dist. - Fwds report rel to improving material condition also fwds prints of corundum flats. W 3/11 W.

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[OVER.]

BALBOA

Number.	Date.	From or To—	Subject.	
503865	7/3	Y&D	Copy of endorsement to 3d Dist fwding requisition cov furniture; ask if available. W	
504769	7/8	[redacted] Dept	Fwds letter from Civil Service commission authorizing termporary appointment of two radio inspectors $7.80 for duty in 15th Dist. pending certifications of elegibles. KW.	635-27
505673	6:30 7:16	Balboa Comm	Quarterly inspn report Cape Mala W To Balboa. comm ts 7/19 RB 8/19 W. fwd Comm 7/19 To Comdt 15th Dist. 9/10/20	
505674	6:30 7:16	Balboa Comm	Quarterly inspn report Balboa station. W fwd Com 7/23	
505833	7-2 7-7	Coco Solo Sub Base 15th Dist	Quarterly inspection report; W	
506683	7/10	15th Dist.	Quarterly inspection report. W.	
507458	7/16	15th Dist.	Request authority covering deep well for Cape Malo station. W To Comdt 15th Dist: water supply Cap Mala 15th Dist- Snbm recommendations. 1/25 W. To Comdt 15th Dist 2-19-21	8/17

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
508343	7/28	Balboa Copy	Report on receiving signals from Sayville. W	
508581	7/29	S&A	Shipt order covering furniture from Flt Sup Base to 15th Dist. W.	
510297	7;27	CocoSolo exp	CAPE MALA outlines work.W To Comdt 15th Dist via Y&D- outline of work stations Balboa and Cape Mala. 8/12	
520600	10/4	To S&A	Request shipmt of radio appr., from Washn to Coco Solo W Canc of 1/4/21 Canc of shipt 1-6 5776	
520654	9/17 9/30	Balboa Communications	Audibilities of various stations at Balboa Station. List covering. W.	
512391	10-20	To Comdt 15th Dist	Radio comm facilities within 15th Dist. W	
	15th Dist-	Subm progress repprt.	copy Coco Solo Commun	
TO CARD 11/15 W			15th Dist. Progress report on experiments. 11/5 W	
21	15th Dist.	12/1 W	To MI Fwds ce of let 11/30/ lt dist let 11/5 11-24	
	15th Dist.	12/15 W. Balboa 12/31 W		
525084	10/12	15th Dist.	Quarterly inspection report. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
487169	FROM CARD 18		New Orln- Subm report on test with print. Communications 4/29 W. Fwd Communications 5/5	4/24 W
491253	4/15	Coco Solo	Quarterly inspection report, Puerto O'Baldio, radio station.	W.
491252	4/8	Coco Solo	Quarterly inspection report, La Palma radio station.	W.
491251	4/8 4/20	Coco Solo 15th Dist	Quarterly inspection report, Cape Malo. radio station To 15th Dist- Contract awarded for porcelain strain insulators-Not practicak to furn horse to Cape Mala. 5/5	W.
491249	4/15 4/20	Coco Solo 15th Dist	Quarterly inspection report, Balboa Sta.	W
497325	6/2	Balboa Copy	Are maintaining continuation arc watch on 4000 meters	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
343433	FROM CARD 14		Fwd S&A 5/20 comments W To S&A 10/14 RB 12/4 W S&A- Copy of act on to 15th Dist. 10/19 W N.Y.- Material shipt 10/15. 12/19/18 W	
498494	6-11	To S&A	Reqst shipmt from Washn to Balboa radio appr W RB 8-9	
501590	6/1	Balboa	Believe keys installed at present will last for long wtime, with proper care.	W.
502557	6/24	Mare Island	Fwds copy of report of work accomplished at San Diego.	W.
503239	7-6	To Comdt 15th Dist	Assignment of civilian radio inspectors to radio material organization 15th Dist- Asks if have available men for temporary appointment W ~~15th--ist 7/6~~ RB 8/5 W	

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[OVER.]

BALBOA

Number.	Date.	From or To—	Subject.	
438618	FROM CARD #17.		War Department- Subm report, 11/4 To Secty War- Outlines procedure which will be satisfactory to Navy Dept, asks opinion if satis to War Dept 11/20 War Dept-recommendations covering changing existing agreement. Fwd Cdt 15th Dist 1/28 RB 2/24	
39801	11/20	To Balboa	Request payment of bills, if in order for same; rqst expedite. K	629
473226	1;12 1;31	15th Dis Comm	Quarterly inspection report Cape Mala station To Fairbanks Morse Co. Reqst booklets 2/4 fwd Com 2/4 copy Cdt 15th Dist	
473227	1;12 1;31	15th Dis Comm	Quarterly inspection report Balboa station. Fwded Communications 2/3	
473189	1;15	15th Dis	Quarterly inspection report Cape Mala . To Cdt 15th Dist 2/21 RB 4/2. W.	
473187	1;12 1;15	Coco Sola Sub Base 15th DIS	Quarterly inspection report Balboa station.W To Cdt Balboa 2/13	

N.S.E. Form 134.

BALBOA

Number.	Date.	From or To—	Subject.	
441346	4-12	To Comdt Balboa	Fwds report of results obtained from tone traps Bar Harbor. Reqst further tests. 920-2	
486517	4-13	To Balboa (T)	Advise method used for reception- Notes conditions satisfactory at , while N.Orlns and Washn unable clear Balboa W Balboa- (T)-Report on reception, using counter poise. 4/15 W. 15th Dist- Report on experiments. 4/19 W.	
487169 TO CARD 19 487471	4-14 personnel opr facilitis 4-21 CCDCS 15th IM NO DCS 8th New Orln-Fwds copy of correspondence 4/17 W. fwd Cdt 15th 4-23 cc Com IM N.O. DCCS 8th Bar Harbor RB 6/2 W 4/14	To N.Orlns (T) Y&D	Make installn- expend $50 authorized. W Poms now indicate unable to receive any Balboa traffic acct static- New Orln - (T)- Test probably complete 4/26.4/17 W Communications 4/19 W. To Comm. comments on improvement in N.Oln's RB 5/3 W receiving Balboa traffic as regards matrl or Painting of radio towers at San Diego- liquidated damages for $50 will be added to original allotment.	AK
489873	4/9 4/24	15th Dist Communications	Quarterly inspection report W. fwd Com 4/27	
489870	4/9 4/24	15th Dist Communications	Quarterly inspection report W. fwd Com 4/27	

BALBOA:

Number.	Date.	From or To—	Subject.	
436925	8;2	15th Dist Copy	Balboa, Darien, and Coco Sola stations will be kept on commission, report of operating personnel nec. A	
437557	8/5	Balboa	Copy: Yeoman urgently needed at Balboa & Colon due to large amount of traffic; request men be furnished; F.	632[11]
437556	8/5	Balboa	Copy: Gunner J. V. Cooper released as office in charge; F.	632-1
438624	7;18 8;8	15th Dist Com	Quarterly inspec report Cape Mala Radio Sta. To C&R- comments on inspec rept 8/18	
8 438615	7;21 8;8	15th Dist Com	Recs for reducing operation exp of radio stations in Canal Zone. W To Secty War- asks if can furnish elec power within Canal Zone free of charge	8/14
TO CARD 18	To Secty War- Req decision 10/30 TO SEC-Asks to be adv concerning elec power necessary within Canal Zone. 11;1		To Sec. War- Reqts furnish elec power free of charge. 8-19 War Dept-States let fwd to Gov Panama Canal. 8;28	
439978	8/11	Inspr Fed	Fwds report of material shipped gov material to Balboa.	851

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	
440155	8;15	Dept	Fwds copy of tel from 15th Dist in regards to allotment of cooks at various radio stations. Cross fwd Secty 8/21	
441406	8/12 To Fairbanks Morose & Co-Adv will consider bid in con with req 129. 10;22	Coco Solo	Subm request for water supply pump, radio station, Cape Mala. W. To Fairbanks Morse & Co- Rqsts be advised if you have suitable unit available for shpmt with cost and supply of spare parts considered necessary- 8/27 Fairbanks Morse & Co 9-19 Quotes prices. Fairbanks Morse Co. 10/17.	
441407	8/12	Coco Solo	Subm request for personnel, during constrn of radio station, Puerto Obaloia. W. Fwd Navigation via Comm. 8-27	
443628	8/28 9/4	Norf C&R	Assigns motor sailing launch 8190 radio sta Cape Mala, Panama; Y.	611-2
455866	10;18 11;4	14th Dist Com	Quarterly inspection report. W fwd Commdn 11/7	
			Allowed damages for 200 will be [illegible]	AK

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[OVER.]

BALBOA:

Number.	Date.	From or To—	Subject.	
416673	5;7	Balboa	Spares listed not received, reqst piston rings be expedited.	W
	Balboa-Sub list of spares requires for engines. 5;26		Fairbanks Morse Co-Fwds invoice. 5;9	
			To F M Co- Tel 5-9	
			To Balboa T el 5-10	
			Fairbanks-Morse Co 5;20	
			T o Fairbanks M Co- req issued coverg proprietory award to Co for material 5-24	
			Canal Zone-5;20	
418671	5;15	Balboa	Reqst authority to expend $200 for painting and screaning officers quarters.	W
418548	5-15	Balboa (T)	Rqst auth to expend $200. for painting and re-screening quarters of officer in charge-	W
			To Blaboa Tel 5-16	
422961	6;3	Balboa	Reqst increase in annual allowance. Tel	W
424005	5;21	15th Dist	Fwds progress report on construction of La Palma radio station.	W
	5;30	Balboa		
	New York - Status of shipt. 12/15		fwd NY 6-11 RB 7;9	
	New York - Status of shipt. 12/17		fwd S&A 7/11	
	Fwd 15th Dist- via F.S.B. and S&A. 12-19		15th Naval Dist 9;18	
			fwd Fleet Base 10/5 RB 10;15	
			To N.Y.- reqst report showing shipmt 12/1	
			NY - submits report covering material -	12/9

850
BALBOA

Number.	Date.	From or To—	Subject.	
423612	6/4	NY	Annual allowance for Colan, Darien, Balboa, Coco Sola, reqst report of fwd to Bu be fwd to radio material officer 3rd Dist. To- NY--fwd copies of corresp 6/7	914
429 426249	6-19	To S&A	Req ship from Washn to Balboa one long wave a radio receiver W To Comdt 15th Dist- Expenditrue of 275.00 authorized 6/23 To S&A. 2/9	
431706	6;27 6;30	Coco Sola 15th Dist	Sub report on completion of radio station at La Palma.	W
436031	7;16	Coco Sola	Reqst oil pump in transf fuel oil from drum to reservoir be furnished- Mala, La Palma, Puerta, Albalbia to be purchased from Fairbanks Morse Co. fwd 15th Dist 8/1 RB 9;2	
436543	7;15 7;31	15th Dist Com	Quarterly inspec report Balboa Station. To 15th Dist- repairs auth cost of 50.00	W 8/4
435393	7/25	C&R	24' motor sailing launch 6505 assigned to Naval Radio Sta, La Palma; Y.	6!!-2

4—3381

BALBOA:

Number.	Date.	From or To—	Subject.	
366643	11;6	Panama Canal	Six boxes of material received from Canal Zone with no marking to identify. are writing to Norfolk to use more precaution in future. W To S&A Refers letter from Panama C.P.Dept. 11/6 as under their cognizance 11/12 To--- Letter ref. to S&A 12/4	
370947	11;21	Balboa	Req authority to expend $121. for repairs to bldg. W To--,(T),repairs building Balbo authorized,11-22	
386112	1;7	15th Dist	Inspec report. W To 15th Dist- author remo al of wire fence at Balboa, cost 150.00, addtl sum of 275.00 author for purpose of constructng overhang of windows- protecton from sun- 1-25	
386824	1/7	Balboa	Req $1,032.88 alloted in addition to $800 previou sly authorized cov install of West Elec Intr-phone system W	808
396383	2;15	To Dept	Back 2;19	

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N.S.E. Form 134.

BALBOA

Number.	Date.	From or To—	Subject.	
397335	2-25	To S&A	Reqst shipment from Washn to Comdt Balboa radio apparatus one short wave remeter Received back 4;14 T o 15th Dist- asks acknow receipt 4-14 RB 5;17	
401435	3;11	Balboa Tel	Req immediate ship of meters for use of radio material office. To Dist Comun Supt. 3-15	W
405714	3;26	BALBOA Tel	Req authority to expend $125.00 for wiring and installing switchboard. To Balboa Tel 3-27	W
410753	4;3	15th Dist	Cost of switchboard mfg Elec Div Panama Canal for BALBOA STATION, report covering. To 15th Dist- allotment 140.72- 4-15	W
411054	4;2 4;14	15th Dist COM	Quarterly inspection report of BALBOA. To 15th Naval Dist-Recs in con with quarterly inspec. 4-26 W	W
413996	4;29	To S&A	Reqst ship from Wash to Balboa of radio material.	W

BALBOA:

Number.	Date.	From or To—	Subject.
33225	None	Balboa	Sub log report. W
333142	8;1	Balboa	TEL: Reqst approval of requisition for order to make July disbursements. W
334346	8;6	Balboa	TEL: Reqst Fairmont Marsh Co complete equip for well. W
		Balboa-Tel-Asks when oil engine and generator for Puntamala may be expected. 12;9	To---- (T) Understand 1 complete equipt. leave NY within 1 week. 8/15
		N O-Correct tel of 12.17	DCS-Tel, Aug equip not receivec urgently needed. 10;5
		Balboa- Dec. 17 - (T) oil engines have not arrived	To Balboa (T) shipts unavoidably delayed 10-10
			Belmar-Fairbanks pump and engine have not arriv. 11/21
334588	7;26	15th Dist	Fwds blue print plans of wooden masts W
328443	8/6	To 15th Dist.	Re quarterly inspection reports. W
			To---- Recom. that for temp. experiments #10 wire be used. 9/27
343433	9/3	To S&A	Reqts. shipt. of rad. apparatus from NY to 15 th Dist. for rad.sta. W
OVER		To S&A Reqts. shipt. of rad. apparatus from NY to & for Canal Zone. 9/17	
345675	9/10	To S&A	Reqts. shipt. of radio material from NY to 15th Dist. for rad. stations. W
346473	9/10	To S&A	Reqts. shipt. ofradio material from Boston to 15th Dist. for rad. sta. W

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N.S.E. Form 134.

BALBOA:

Number.	Date.	From or To—	Subject.	
347224	9;11	Balboa	Req authority to use $150 from Colons allotment to rewire fence. W To--- (T) Rewire fence authorized. 9/12	
347477	9/13	To S&A	Reqst shipment from NY to Balboa CZ radio apparatus W	793-8
343386	9/16	To S&A	Reqts. shipt. of rad. apparatus from NY to Balboa W To S&A re radio apparatus shipt to Cape Mala 11-14	
343433 TO S&A--- to 15th Dist TO CARD 19	SEE OTHER SIDE Req that items ca ling for shipt Dist be cancelled To SO N Y- Matrl canceled- 2/14 15th Dist- Ask when material was shipt. 12/11 fwd Balboa via S&A and S.O.Ny. 1-3 ~~15th Dist~~ RB 3/24 fwd Balboa 3/25/20		To NY- Conf phone of Oct 14th- reqts radio app listed on shipmt reqts be expedited W New York - 11;13 To NY- Reqts that SO be informed from whom radio storage batteries purchased and that spares be purchased 11-20 Phila- 12;14 Fleet Sup Base-Req nec infor be furnished. 1;24. RB 5/17 W	
361109	10/5	15th Dist.	Awds location of Balboa and Dausea radio Station W	
363243	10/4	15th Dist.	Quarterly report of Balboa Radio Station.nW. To 15th Dist- Rec re above 10-30	
365003	11-4 fwd S&A 7/9	To S&A	Reqts shipmt from NY to Guantanamo Bay- Radio storage battery with panel with spares as listed W VOID To S&A Reqts shipmt from NY to Guantanamo Bay radio material as listed	

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[OVER.]

BALBOA.

Number.	Date.	From or To—	Subject.
259900	11/10	Fwd Y&D	Darien. Traveling crane. Re transfer of to Cocosola submarine base. W
255471	12-11	Darien T	Request authority to paint outside quarters; submits estimate.W To—Grants auth (T) 12/12
278559	1/24	Balboa	Recommends that oil engine now at sea be turned in to store - W To—Grants auth to turn in.2/5 Balboa--3/1
279022	2-1	Communications	Fwds quarterly report of inspection.W
279967	1/31	Canal Zone	High powered station-has taken photograph.W
288587	2/26	Balboa	Distant control--fwds estimate of work necessary for grading,etc.W Balboa-radio--reqt action.3/15 To Darien—(T)Appvs expenditures.3/15
288500	3/15	To NY VOID.	
298078	3/28	Canal Zone ~~Publicr Co Req fwd req cov sets~~ ~~12-23~~ 15th Dist-Sub estimate of charges. 12-10 To 15th Dist-Mages additional allotment 12 -27	Quarterly inspection.W To—Directs submit tentative plans.4/18 Fwds plans of comment covering addition to operator's barracks and in connection with laborers quarters. W 5-10 To (T) Canal Zone--Auth-5-23 Balboa-fwds plan of garage-submits estimate covering. 5/21 To Balboa. Approves above. WK 6/14

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N. S. E. Form 134.

BALBOA 850

Number.	Date.	From or To—	Subject.
301387	4-28	TO S&A	Rqst shipment form NY to ~~Punta Mala~~ Balboa for Punta Mala- radio apparatus-W To NY If shipt. has not been made reqtd. to hold until notificat.of this B. 7/2
308166	5;18	Balboa	Reqts reply to letter of 4;3, urgent need for. Submits annual requisition. W To (T) Canal Zone- Makes additional allotment- 5-23
317533	6;17	Naval Communication	Fwds copy order #2869 transfering portion of naval radio at Balboa to war dept. W Fwd. Balboa 7/2 received back 7;24
324760	7/12	To S&A	Retqs. shipt . radio apparatus to & for Com. Off. Balboa. from NY To---- Reqts. that salmon colored copy if order be retd. 8/25 To----Reqts that shipmt orders of radio amterial as listed be expedited 10-25
326700	7;4	15th Dist	Fwds quarterly report of inppection of Balboa station. W
328442	7;19	Naval Com	Fwds report.

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[OVER.]

BALBOA.

Number.	Date.	From or To—	Subject.	
219529	3/16	Colon	Reports return of kerosene engine; have installed as auxiliary for 5 kw set; submits estimate; are shipping old M&W engine to Balboa shops	808
222056	3-2	Canal Zone	Quarterly inspection.	
216284	SEE CARD 11		To S&A--Recd shipt of spark gap ex NEBRASKA from NY to Darien. 5/7	
227125	5/8	Darien T	Request allotment be increased to $5,000 for maintenance.K&W	
227175	4-27	Darien	Balboa fwds inventory.W	
230166	5-15	Darien	Fwds requisition for the Darien , Colon and Balboa covering supplies,uptakes,yearly allowances etc for year 1917 and 1918	808
233568	6/1	Darien	Outline of radio work, 1918-19.W	
236488	6/21	Darien	Telephone rental for Balboa station; states unable to find authority; request instructions .W	
To--7/25 War Dept 8/21 Fwd Nav Com--8/27 RB 9/1 To War Dept--Sec Sig--9/10			To War Dept--(Sec Sig) Recd arrange to furnish Radio Stations in Canal Zone with free telephone and telegraph service. 7/10	

NB—0120

N.S.E. Form 134.

BALBOA. 850

Number.	Date.	From or To—	Subject.	
237923	6/27	Darien	Quarterly report of inspection.W	
240960	7-5	Pac Fleet	Recommends that materials listed be kept at Balboa in connection wit Dept s decision to make that place a temporary place for armored crusiers.	494
242163	7/24	Balboa	Request shipment of quenched spark gap ex NEBRASKA be expedited.W To S&A—Reqt expedite shipt.8/8 S&A 8/22	
245916	8/25	Darien copy	States shipped spark set and will begin operating Darien spark from Balboa and construction of buildings Aug 28th.W To—(T) Gives action on.8/27 Fwd Y&D—8/29 RB 9/1	
249821	9/7 Solicitor have taken up with War Dept 1-29 To Balboa—2/8	Darien	Request be informed ownership of certain land, in connection with regrading, draining, etc.W To Sol—Submits description of land, and reqts takes action to relinquish claim·10/29 To S ol—1/7	
193164		CARD 10	Darien fwds copy of action taken 10/4	
254460	1 0/4	Darien	District control, Canal Zone district; travelling crane, disposition of; from Balboa.W Fwd Y&D—10/29—RB—11/24.	

NB—0120

[OVER.]

BALBOA

1916

Number.	Date.	From or To—	Subject.	
198174	8-21	Balboa	Proposed reduction in area; fwds map. W Fwd Dept-- 9/8	
198175	8-21	Balboa	Recommends retaining 2 and 5 kw transmitting sets.W To--Appvs.9/9	
199409	9-15	To Darien.	Asks disposition of Diehl induction motor.W Balboa lists motors at station; have no record of 10HP Diehl 9/30	
	9-23	To Darien Via S&A.	Balboa Reqn #7; reqt shipment of certain items on reqn from NY and Wash to Darien.W-R	
201422	10/9	To S&A	Rept shipt of one audion detector, filter type to Balboa.W	
202271	9-26	Darien	Quarterly inspection. W Fwd Bd I&S--10/18 To F. Lowenstein--Quotes report of. Ask to improve transformers, so will last longer. 10/30	
206694	11-27	F.Lowenstein	Recommends 5 kw secondary be fitted with creepage washers.W To Darien--Fwds copy of above letter also sketch. 12/1	
209231	12-11	War Dept Colon	& Balboa; Darien; fwds bills for work done	808

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1917

BALBOA. 859

Number.	Date.	From or To—	Subject.	
210368	1/3	Director Nav Communications	Quarterly report.W To Darien--Reqt est for painting masts.	1/10
210375	1-3	Darien R	Ground improvement stopped; asks if can use combined allotment at Balboa.	808
210631	12-26	Dist Supt	Quarterly inspection.W	
210971	1-9	Balboa T	Request authority to proceed work painting towers.W To Darien--(T) Work auth. 1/11	
211804	1-9	Darien	Delay in delivery of stores for.W Fwd S&A--1/18 RB 2-2 Fwd Darien--2/3 RB 2-23	
Surv 1	1/26	To Darien	Loss of book from library. Bu directs suitable provision be made for account for all property of station. WY	
215623	2-15	War Dept	Fwds bills for work done at and Balboa and Darien.	808
	Fwd S&A--4/16 To NY--4/16		NY has one 5 kw Marconi set 4/26	
216284	3/1 To S&A DELAWARE RELATIVE TO MISSING spark gap shipped from DELAWARE		Reqt shipt of one 5 K.W. Telefunken quenched spark gap from NY to Darien for. W and assigned Balboa 3/27	CARD 12
217196	2-26 2-27	Panama Canal Balboa	Fwds print showing proposed lay out of street lighting system, estimate for radio reservation share of.W	
216910	3/20	To Darien	To Darien--Disappvs. lack of funds 3/20. NSE 25-A and Bu records differ. Reqt further information. W RB 4-13	

NB—0120

[OVER.]

BALBOA:

1915

Number.	Date.	From or To—	Subject.	
170359	10-25	Balboa	Report of expenditures, quarterly.W	
172583	11/26	S&A	Panama Canal bills	808
172733	11/19	War Dept	Fwds bills	808
			1916	
175625	12-20	Balboa	Quarterly inspection. W.	
177664	1-31	To Darien.	Two 1-P-76 radio receivers; asks disposition of. W Replies 2-9 To S&A--Reqt for shipment to Wash. 2/21	
177672	1/18	Panama Canal	Statement of expenditures	808
177954	1-25	Balboa	States money allowance not sifficient to pay for elec current.W. Fwd S&A--2/8	
164153			Report on unsatis operationof Union Gas Engine at Darien; engine satis, not suitable for work; recommendations for disposal involving changes in power supply at Colon and Balboa	851 ~~808~~
179239	2-16	To NY.	Gives action on NY NSA req 1185 for radio apparatus. W To S&A--Reqt shipment spark gap from NY to Darien for Balboa. 2/16	
179655	2/10	Y&D	Cost of radio installation	808
183046	3/28	S&A	Fwds Canal bills	808

NB—0120

N.S.E. Form 134.

BALBOA: 850

Number.	Date.	From or To—	Subject.	
184165	4-7	At Coast Supt	Quarterly report of inspection.	
185006	4-17	At Coast Supt	Corrected inventory; fwds. W	
174957	2/9	Balboa	Outline of radio work, 1917-18; items that will require expenditures of over $500	604
187158	5-8	To Darien(R)	Not desired commence distant control station until status more definitely settled; street lighting Balboa disappvd. W	
188162	5-10	Balboa	Request special order be made for secondary coils for Lowenstein transmitter. W Fwd NY--Purchase of cokls auth. 5/19 RB 5/29 Reqt for action (R) 7/18 To NY-- 7/20	
189106	5/17	Canal Zone	Fwds reqn for services of laborers, etc., fiscal year	808
190336	5/25	War Dept	Panama Canal Bills; fwds for settlement	808
193164	6-26	Canal Zone	Inspection report. W To--Comments on. 7/17 To Darien--Ask action taken. 9/24	CARD 12
196264	8/5	Balboa	Corrected inventory for quarter ending June 30th. W	

NB—0120

[OVER.]

BALBOA:

1915

Number.	Date.	From or To—	Subject.	
155791	5-12	Crenshaw	& DARIEN; fwds bills.W	
155860	5/25	Crenshaw T	Balboa's insulators, pins and brackets not yet redeived	808
156124		War Dept.	Fwds. bills	851
156398	6/1	VOID		
156500	5/25	Crenshaw	Fwds Canal Bills	808
156437	6/1	Y&D	Towers; operating platform	808
157112	5-28	Crenshaw	Fwds bill for work Balboa.W	
157372	5-28	War Dept	Bills	808
158124	6-8	Crenshas	Relative to aerial spreaders	808
158402	6-12	Crenshaw	Fwds. reqns. to cover services year 1916	808
158782	6-15	Crenshaw	Fwds bill. W	
158781	6/14	Crenshaw	Fwds bills	808
159039	6/14	War Dept	Fwds bills	808
159335	6-21	Crenshaw	Bills.	
159334	6/19	Crenshaw	Fwds bills	808
159517	7/2	Y&D	Copy of letter directing inc work on towers	808
159518	7/2	Y&D	Reqt additional allotments $775 covering platforms and insulators	808

N.S.E. Form 134.

BALBOA. 850

Number.	Date.	From or To—	Subject.	
163192	**8/1**	**Crenshaw**	**New steel towers; recommends employment of expert to make periodical inspection; recommends E. E. Seavy**	**8 08**
163351	**7/6**	**Crenshaw**	**Fwds canal bills**	**851**
163372	**8/6**	**Crenshaw**	**Fwds Canal bills**	**808**
163930	8-15	Crenshaw	Transfer switch and antennae; fwds sketch. W	
164312	8-18	Crenshaw	Macadam road; cannot be constructed on monthly allotment; reqt special allotment $650 W TO -- disap 8-28	
164379	**8/14**	**Crenshaw**	**Fwds Canal bills**	**851**
164672	8-10	War Dept.	Fwds. bills	808
164649	8-10	War Dept.	Fwds. bills	808
165717	9-3	War Dept	Fwds bills	808
165992	?	War Dept	Fwds bills	808
166089	9-3 9-16 Fwd Dept	Crenshaw Supt Radio --Noted.11/10	Panama Elec Co. reqt right-of-way for elec lines thru station to Artillery base. Fwd Dept--Consider detrimental to efficiency of radio station. 9/18 **Darien--(R)--recommendations 10/20** Darien fwds corres 10-20 Fwd Dept-- Recommendations.11/4 RB 11/8	
166758	9/24	NY	Reports apparent duplication in purchase of motor generators for; reqt instrns. W To--Instructions. 10/1	
168157	10-15	Crenshaw	Perm. lighting, Canal Comm. desire to start and reqt. decision. To--(R)Disappvs owing lack of funds.10/13	
169678	**10/14**	**Crenshaw**	**Panama Canal bills for spark plugs, gaps**	**808**

NB—0120

[OVER.]

BALBOA: 1915

Number.	Date.	From or To—	Subject.	
144172	12-17	Crenshaw	Reqt allotment $19,000 for ground leveling and grading.W (Appd by Dept in 144171-808, Colon)	
145154	1-10	Crenshaw	Pnama Bill for water furnished.W. Fwd S&A-- Fwds appvd. 1/23	
145384	1-12	Crenshaw	Quarterly report of inspection. W. To-- Grading and leveling cannot be undertaken at present time owing to la k of funds. 2/1	
146691	2/5	S&A	Canal bills for work at	851
146905	2/2	Crenshaw	Fwds bills for	808
146906	2/2	Crenshaw	Fwds bills for elec current, lights, etc	808
146998	2-2	Y&D	Water sterilizers; fwds reqn covering; recommends purchase. W Retd-- Reqn appvd. 2/15	
147251	2/4	Inspector at Colon (Y&D)	Reports status of work Jan 31	808
149265	3-10	Crenshaw R	Req. authority to employ 2 helpers at 18¢ per hour To--(R) Authorizes. 3/10 Crenshaw 3/16; reqt action.W	
149600	3/2	War Dept	Fwds Panama Bills for work done	808
149636	3/4	Crenshaw	Fwds Canal bills	808
150338	3/11	Y&D	Status of work up to Feb. 28th	808

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N.S.E. Form 134.

BALBOA 850

Number.	Date.	From or To—	Subject.	
15 0976	3/20	Crenshaw	Fwds Canal Bills	808
151475	3/25	Crenshaw	Fwds bills	808
151867	3/23	War Dept	Fwds bills for work done	808
152365	4-6	Crenshaw	Abandoned building worth $150 to Canal Com. S Fwd Dept--Rec transfer to Canal Com.4/26 RB appd 5/3 To--Transfer appvd· 5/5	
152393	4/15	Crenshaw	Reqt authority for Canal force to repair Lowenstein tube gap	808
152799	3/25	Crenshaw	Corrected bill for water.W Fwd S&A-- 4/26	
152822	4/7	War Dept	Fwds bills	808
153041	4/10	Panama Canal	Estimate for installing lightning protection	808
153945	3/11	Panama Canal	Status of work at station	808
154054	4/28	War Dept	Fwds bills	808
Reqn 8	5-5	To Darien·	Re material on requisitions. W-R	
154520	4-30	Crenshaw	Fwds copy of proposed street lighting system; recommends Navy cooperate.W	
154683	5-12	To Pitts.	Contract 22753; 2 double pole winches; asks status of shipment/ 5/12 RB 5/21 To Colon--(R) Will be shiped from NY April 15th. 5/15	
155406	5/11	Crenshaw	Panama bills.	851

NB—0120

[OVER.]

BALBOA: 1914

Number.	Date.	From or To—	Subject.	
133480	8-24	Crenshaw	COLON: lists expenditures and recommends that all previous authorizations be cancelled and lists submitted approved	808
134925	9-21	To S&A	Req shipment of radio material from NY to Balboa.	
135162	9/15	Crenshaw	Fwds bills for work	808
135523	9/29	To NY	Submits plans and estimates for construction of antennae for radio stations at Colon and Balboa; gives instructions	808
136230	10/7	NY T	Proposed spreaders: monel metal requires 40 days; after award of contract; reqt telegraphic approval of	808
136310	10/7	NY	Antennae for radio sta; submits plans of proposed spreaders monel metal; only satis non-corrosive material	808
136608	10/10	Crenshaw	Fwds bills for lighting and wiring	808
136487	10/9	Y&D	Reports progress of work	851
136773	10-10	NY	Radio set; panel board for has been loaned Elec Exposition; asks re holding up shipment until return of W. Fwd NY--Set should be held. 10/14	
136775	10/12	Y&D	Reqt additional allotment	808

N.S.E. Form 134.

BALBOA: 850

Number.	Date.	From or To—	Subject.	
137150	10-9	Crenshaw	Report of inspection.W	
137157	10-9	Crenshaw	Fwds bill for elec lighting.W Fwd S&A-- Fwds appvd. 10/20	
137163	10/16	NY	Antennae wire for	808
137557	10-10	Crenshaw	Bill for supplies.W Fwd S&A-- Bill appvd. 10/23	
137757	10/16	Crenshaw	Fwdsbills for repairs	808
137753	10/10	Crenshaw	Understand lightning switches will be shipped complete from NY; also reqt details of grounding switch to be installed at Darien	851
137992	10/26	S&A	Fwds invoices from Panama Canal; asks appro chargeable	808
139754	11/14	NY	& Colon; antennae wire; 10,000' shipped Aug 3rd; 25,000' Oct 3rd; asks if 17,000' requested Oct 22, is in addition to	808
139738	11/6	Williams	Fwds bills	808
142549	12-9	Balboa	Fwds bill for elec current.W Fwd A S&A Appd. 12/22	
142979	12-15	Crenshaw	Fwds bills	808
143999	12/30	Crenshaw	Bills for furniture	851
144000	12/31	Crenshaw	Canal bills	808

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[OVER.]

BALBOA. 1914

Number.	Date.	From or To—	Subject.	
127503	6/9	Crenshaw	Ground system; fwds sketch showing proposed.W	
127520	6/4	Crenshaw	Machine lay-out; requets instructions.W To---instructions and requirements; reqst comment.6/17. To NY.reqst plans and estimates for secondary distribution board be prepared.6/17. NY estimates 7-9 To NY.appd.7/20.	
127911	6/19	Y&D 10730-66	Recommends construction of a concrete storehouse, cost $2500. W Fwd Dept.--rec approval 6/22 RB 6 25 app d Ret---6/25.	
128125	6/16	Crenshaw	Fwds bill for electric current	808
128878	6-30	NY 3332-17	Distribution board; fwds plan; reqt confirmation understanding of connections.W Fwd Canal Zone.for comment and rec.7/3. Fb 7 28	
128670	6/30	To Y&D	Appropriations available for next fiscal year; work not to be discontinued on July 1st; request estimates to be charged against 1915 appr. "Engineering"	808
128966	7-2	Crenshaw R	& COLON: reqt rush shipment of 1200' copper stripping for each station.W (R)to---approves use of 15 strand #10 bare copper wire for busses.7/3.	
21050	7/2	Washn	Motor cycle delivery van for Colon and Balboa; reqt instructions re shipment and inspection	629

N.S.E. Form 134.

BALBOA: 850

Number.	Date.	From or To—	Subject.	
129271	6-27	Crenshaw	Submits list of items and prices that can be upplied by Panama Canal Sta on reqn 6.W	
130105	7/10	Crenshaw	Fwds sketch showing recommended lay-out of machines.W To---comments as to necessity for oil engine; asks if have recd sketches of antenna switch; etc.7/20. Crenshaw comments 7-29 To NY hold lightning switches until further instructions.8/11. To---advises of action.8/11. NY work 3/10th completed 8-18 To NY-- Procced with work.9/30 To-- Instructions. 9/30	
130766	7/16	Crenshaw	Fwds bills for current	808
130910	7/25	Y&D	Fwdsphotos showing progressof work	808
20615	7/27	To F. Lowenstein	Motor-generators of 5 kw sets for Balboa and Colon; request prints be forwardedat earliest convenience	629
20615	7/30	Lowenstein, F.	Motor generator; exciter; for Balboa and Colon; fwds print	629
131337	7-13	War Dept.	COLON & - fwds. bill for services.	808
131559	8-4	NY	Secondary distribution board; print.W To Canal Zone. Fwds print.8/8	
131709	8-6	Y&D 10730-88	Cranegirders and rails are ready to receive cranes; reqt installation be expedited.W Ret---5-ton capacity suitable.8/7 Y&D fwds reqn to cover 8-12	
131698	7-27	War Dept.	Fwds. bills	808
132568	8-11	Crenshaw	Cranes - req. be expedited	808
133115	8-27	Y&D	Fwds. report on status of work	851

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[OVER.]

BALBOA: 1914

Number.	Date.	From or To—	Subject.	
120789	3-17	Crenshaw	Fwds bill for telephone and elec current.W	831
121363	3/23	Crenshaw	Bills for & Colon	808
121785	3-25	Porto Bello	Bill ICC for material.W Fwd S&A.appd·4/10.	
121840	4-1	Crenshaw	Fwds print showing porposed location of buildings and towers.W Fwd Y&D.reqst modified location plans.4/9	
121949	4/8	Y&D	RB 54 & COLON ; steel towers; fwds bids; recommends award to A. W. Kurz	808
122561	4-1	Crenshaw	Quarterly inspection. W	
123230	4/23	Y&D	& COLON; recommends Pnamam Canal be authorized to construct tower foundations for.	808
123673	4/20	Crenshaw	& PORTO BELLO; fwdsbills	831
123815	4-30	Crenshaw R Crenshaw Y&D design 5-10	& Colon; houses for; quartermaster desires to substitute different buildings for operators.W Crenshaw reqt action 5-6 (R)to---to be in accordance with Y&D design.5/6	
124137	5/5	To Colon & Ord	Requisitions for arms and ammunition disappd; requests Ord. furnish	854

N.S.E. Form 134.

BALBOA. 850

Number.	Date.	From or To—	Subject.	
125272	5/9	Crenshaw	Requests authority to purchase copper wire in connection with ground system.W	
125567	5/22	Colon	Fwds bills	808
No #	5-25	TO Crenshaw	Reqn 6 for equipment for house. W	
125839	5/18	Crenshaw	Fwdsbill for electric current	808
125956	5/26 5/28	The President Solicitor 12479-680	Executive Order 1948 establishing limits of.W	
126308	5/25	Crenshaw	Antenna; recommendations re spreaders.W	
126282	6/2	Y&D	Expenditures by Canal labor on buildings; total $40,000 for buildings and $10,000 for sewer, water, grading, etc. & COLON	808
126547	6/4	Y&D	Panama Canal instructed to build fence landward side.W	
126310			Re installation machines and wiring	808
126980	6/1	Crenshaw	Fwds bill for rewinding armature.W Fwd S&A 6/12	
127233	6/12	Y&D	Copy of contract with A. W. Kurz for towers	808
20615	6/13	F. Lowenstein	Fwds prints of radio apparatus	629

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[OVER.]

BALBOA:

1913

Number.	Date.	From or To—	Subject.	
110963	11-13	Canal Zone Station	Isthmian Canal Com: has approved site for, on condemned Dump No.5 as indicated in red ink on enclosed map.W	
112738	12-15	Crenshaw, R	Asks if proposed site has been approved.W (R)to---referred to Canal Commission; No reply received.12/15.	
113776	12/19	Colin	Fwds bill for current	808

1914

114183	1-3	Y&D 10730-17	Colon: reqt that $45,000 be alloted Colon; $46,000 for Balboa for steel towers. W Fwd Dept.rec appr.1/7	
			ret---reqst final plans for comment and appr.1/19 To---ret plans;satisfactory.1/27.	
114774	12-31	Colon	Quarterly report:inspection.W To---&S&A.request shipment of receiver NY to Balboa.1/13.	
116997	2/6	To Y&D	Forwards print showing proposed location.W	
118527	2-14	Balboa	Fwds bills for current and surveys at Caimito. W Fwd S&A.appd.2/26.	
118549	2-25	Crenshaw R	Reqt final location be definitely fixed before Col Goethals leaves Washn. W	

N.S.E. Form 134.

BALBOA: 850 L W

Number.	Date.	From or To—		Subject.	
118643	2-21 2-26	War Dept Dept	12439- 680	Fwds letter from Isthmian Canal Com recommending submission of site to Fortification Dept. W To War Dept(Secy's sig) 2/27 Fwd Dept.rec ref.question to Panama Fortification Board.2/27.	
118911	2-28	Y&D	100730	Site for; asks if any change from that shown on accompanying print has been made; desired in connection with award cont for steel towers.W To---mod.of location is being considered.3/3	
119471	2-27	Crenshaw		Fwds print showing dumps re new location for station.W	
119693	3-6 3-11	War Dept Dept		& COLON: structural steel for towers; corres with A.H. McCay relative to their admission free of duty under Panama Act. Summerizes opinions that material is subject to duty Panama Republic except when actually used for Canal Construction. W Fwd Y&D.3/13.	
119864	3/12	Arlington		& Caimito: transfer switch; fwds print and reqt mfg at NY	851
119999	3-11 3-14	War Dept Dept	12479-680	Fwds corres re sites selected; Dept auth proceed with work of erection.W FwdY&D 3-17 RB 3 21	
119996	3-5	Crenshaw		Reqt motor cycle. W	
120315	3/19	To Colon		Site: forwards print of location; request one print be returned with suggested location for towers and buildings.W	

NB—0120

[OVER.]

BALBOA: 1913

Number.	Date.	From or To—	Subject.	
103580	8-6	Guantanamo	Reports receipt of induction motor via HANNIBAL and reqt. instructions re disposition.W To---instructions.8/14.	
103648	8-5	Balboa	Reqt. special allotment $150. to apply additional room for use as kitchen; print.D	
105571	8-30	Balboa	Bill for pulley. W Fwd S&A 9/15	
107614	9-30	Colon	Report of quarterly inspection. W	
107743	10-10	NY	Reports shipment of material 10-3. W	
107797	~~10~~-9-30	Colon	Quarterly inspection;report. W	
~~108452~~	~~10/22~~	~~To Colon~~	Request recommendations relative to the permanent installation, characteristics of buildings in general,etc.W	808 108452
~~108451~~	~~10/22~~	~~To Dept.~~	Permanent erection of station; suggests formal recommendation be secured from the Isthmian Canal Com.that an exactly described site be transferred to Navy Dept. Asks if shall proceed with erection pending transfer.W	

N.S.E. Form 134.

BALBOA. 850

Number.	Date.	From or To—		Subject.	
108452	10/21	To Colon		Reqt report present condition of buildings and recommendations for locaton new steel towers and buildings for 5 Kw station.	808
108729	10-16	Balboa	F	Fwds bill for elec lights.W Fwd S&A.appd.10/25	
109053	10-29	Dept	12469-680	Copy of letter to War Dept reqt. site be transfrred to Navy. W Fwd Colon via Marine Corps.fwds copy of 108451-850. 10/31.	
109715	10/29	Colon		Fwds bills for	808
109966	11/11	To Dept		& COLON: Reqt auth. to proceed with necessary alteration of staitions.	808
110270	10-13	Colon	R	Site requested at approved by Chairman.W	
110948	11-14	Balboa		Recommendations for quarters ~~for~~ in other buildings. W Fwd Y&D.desires estimates.11/24 rb 10 5	
~~110929~~ VOID	~~11-19~~	~~Bost~~		~~Reports on Kankee~~	
110950	11-9	Balboa		Operator S.T.Smith; reqt. reduced rate of fare for his father to make visit to Canal Zone. W Fwd Nav.11/24	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
97459	3/31	Colon	Bill for repairs to steel tower of	808
98057	5/16	Colon	& COLON: bills for current	808
98338	5-19	Colon	Bill for water and sewer connections.W Fwd S&A.appd.5/29.	
99262	6-3	Balboa	Fwds bill for subsistence. of operators. W Fwd S&A.appd.6/12.	
99967	6-11	Balboa	Bills for stores.W	
99968	6-11	Balboa	Bills for material, supplies,etc.W. Fwd S&A.appd.6/23.	
99973	6-11	Balboa	Bills for erection of mast.W Fwd S&A.appd.6/23.	
99981	6-11	Balboa	Reports necessity of borrowing motor in order to oper station; reqt. instructions re installation of motor and transformer ordered by Bureau.W (R)to Colon.Grants authority to purchase transformer.6/24. To NY.Asks if induction motor, Bu.reqn.337 has been received.6/24. To Colon,Guantanamo and S&A,Request shipment of radio motor To Guantanamo.6/24. NY motor passed inspec and recom.payment 6-27 To NY.request shipment of motor be expedited.7/1. NY 7/3.motor fwd June 18th.W	

N.S.E. Form 134.

BALBOA: 850

Number.	Date.	From or To—	Subject.	
100427	6-25	Wireless Imp.Co.	Understands is giving excellent results and reqt. Bu. have special report made.W	
100657	6-20	Balboa To NY reqst shipment be expedited.8/5 (R)to Colon.Shipment expedited.8/7 NY del. Diehl (T) 8-6	Reqt. spare generator and field coils.W To Diehl Mfg.Co.fequest price.7/2. Diehl Co.7/3.quotes prices.W To Diehl Mfg.Co.Recn submitted.7/7. To---Gives list of items for which reqn has been submitted.7/7 Reqt. action (R)7-31	BELOW
101064	6-28	Balboa	Fwds bills for work on towers.W Fwd S&A.appd.7/9.	
101430	7-2	Balboa	Fwds bills for installing water and sewer connection. W Fwd S&A.appd.7/14.	
101979	7-11	Colon	Report of inspection.W To---Addition to porch appd.8/5	
101816	7/11	Colon#	ALLOTMENTS; submits amounts per quarter.	602
102931	8/1	Y&D 10497-25	Reports on inspection and proposed addition to temporary charters.W Fwd Dept.8/5 RB 8-8	
103074	7-29	Balboa	Fwds bill for erecting steel tower. W Fwd S&A.appd.8/7.	
100657		SEE ABOVE	(R)to Colon: delivery due NY Sept.11th.8/8 Diehl Co. Will be ready Sept.1. 8-14	

NB—0120

[OVER.]

850
BALBOA. see COLON.

1913

Number.	Date.	From or To—	Subject.
60046 -808			
60523 -808			
60712-808			
60761-808			
61772-808			
69345-808			
75000-808			
76339-876			
73305-876		Original entries see	
77061-876			
77053-876		COLON AND APPARATUS.	
77451-876			
77646-876			
78405-876			
78754-876			
79013-876			
79401-808			
80186-876			
81646-876			
81961-876			
83444-876			
84332-886			
85732-808			
86824-808			
89825-808			
87845-806			
90192	2/13	To Dept.	Request authority to proceed with erection of temporary radio station, est cost $3000.W RB 2/7 app'd
90283	2-14	TO Colon	Additional allotment roofing auth.W
90873	2-12	Balboa	Reqt. wire for aerial.W. To NY & S&A reqt shipment 2/25
91106	2/12	Balboa	Request supplies.W Fwd NY. 2/26 Fwd NY 2/26

NB—0120

N.S.E. Form 134.

BALBOA. 850

Number.	Date.	From or To—	Subject.	
90716	2/20	To NY	Request prepare allowance list of stationery, etc. for. Ret via S&A.appd.3/12.	808
93267	3-24	Colon	Require 2000' bronze wire.W To---& S&A.Request shipment.3/25.	
93644	3/29	Balboa	States permanent power available: recommends installation of final motor now. Requests date of shipment.W (R)to Colon. Asks if present generator can be belt connected.4/1. To Diehl Mfg.Co.Asks if can supply direct motor for direct connection.4/1. Diehlfwds diagram of motor 4-3 (R)to Colon.Motor ordered.4/7. To Diehl Mfg.Co.reqn submitted for motor.4/7.	
93936	4-3	Colon R	Generator can be belt driven. W	
94426	4-9	Balboa	Motor should be 220 volts.W. TO Diehl Mfg.Co. has altered reqn. 4-9	
94656	4-11	Balboa R	Reqt. authority to employ labor $1.25 per day.W (R)to---appd.4/11.	
	4/16	To Crenshaw, Colon R	Furniture reqn. approved, supply from NY .W	
96141	4/22	Colong	Fwds bills.	808
97203	5-8	Wireless Imp Co	Fwds prints, description and prices for 25 cycle motor generator. W To-- taken up later 5/14	

NB—0120

[OVER.]

851 Number.	Date.	From or To—	Subject.	
577773	from card 46		To S&A Reqst shipment of ammeter from Phila to Washn 1673 12/7 W to S&A Reqst shipment of ammeter from Washn to Balboa 1669 12/7	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

CAIMITO RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
642854	9/24	15th Dist. Copy	Request auth to place Darien out of commission to replace rattail. W.	
642817	9/25	15th Dist. Copy	Darien placed out of commission 9/26 to make antenna reports. W.	
643458	9/14 9/28	15th Dist Dept	Submits report covg improvements in operation of high power station W Fwds MI 10/5 RB 10/18 W.	
15 Dist Eng	1/23 W R	10/21 To Yds & Docks	Rqn pump and motor for darien Radio Station W R cc Balboa	
646646	9/30	15 Nav Dist	Quarterly inspection report W	

4—3381

N. Eng. 134

851 CAIMITO RADIO STATION 1922

Number.	Date.	From or To—	Subject.
647129	10/17	15th Dist.	Submits estimate covering construction of pump system at DARIEN W. Fwds Yds & Docks cc 15 Dist 10/31
647128	10/13	15 Dist.	Fwds copy of PANAMA bid on spare antenna. W Fwds Yds & Docks 11/21 RB 11/23 W To Yds & Docks- Allotment made cc 15 Dist 12/2 To 15 Dist- Gives action cc Yds & Docks 12/2 Y&D 12/8 Copy of action to NY W
647964	11/1	Y&D	Copy of letter to 15th Dist. authorizing work in conn with duplicating automatic system. W.
627579	from card 50		To 15 Dist.- Modifications to ground system cc ow Standards W 11/4 Fwds MI 11/18

4—3381

[OVER.]

CAMMITO RAdiO STATION 1922

Number.	Date.	From or To—	Subject.	
621016	4/25	MI	Copy of letter to 15th Dist. fwding instln plans showing lay out of equipt and diagram of 100 KW arc set. W. To MI- Reqst Plans 5/6 MI- Lay out of operating building and arc radio transmitters- fwds vandykes. 5/15 W	
623518	5/15	15th Dist. Copy	Request auth to place arc out of commission to prform nec work. W.	
624753	5/22	15th Dist. (T)	Request auth to expend $400 for spare rattail. W. To 15 Dist-- new rattail for main antenna 5/27	
627579	6/6	M.I.	Installation of new Corona equipment at Darien. Comments on improvements W Fwds 15 Dist cc MI 8/16 15th Dist- Comments on improvements cov instln of new corona equipt. 8/12 W. Fwds MI cc 15 Dist 8/12 W. 15th Dist- Fwds prints of ground system. 9/25 W Fwds Bu Standards 10/14 W To MI 9/16 RB 10/30/22. W Fwds Opers 11/2 RB 11/9 W	
card 51				
627607	6/6	M.I.	Copy of letter to 15th Dist stating new radiation ammeter will be furnished W	

4—3381

N. Eng. 134
851

Number.	Date.	From or To—	Subject.	
628163	6/15	15th Dist T	Case of radio matl will be shipped to Bureau W To 15 Dist (T) do not send receiver 6/15	
631047	6/20	15th Dist:	Request radiation ammeters to replace one burned out. W.	
631803	7/1	15th Dist.	Quarterly inspection report, Darien. W.	
631959	6/28	MI	Changes of exhaust line and blower system at Darien- fwds prints. W	

4—3351

[OVER.]

Number.	Date.	From or To—	Subject.
577781	FROM CARD	46	Y&D- Report on cost of changes. 1/4 W To Yds & Docks- use ofmoney authd cc 15 Dist 1/7/22 Y&D- Copy action to 15th Dist. 2/24 W 15th Dist- Copy- Subm estimates of Panama Canal - request instrns. W. 3/24 To 15 Dist (T) addnl allotment authd 3/25 cc Yds& Docks
605330	1/7	15th Dist.	Quarterly inspection report. W.
605790	1/17	MI	Copy of letter to 15th Dist. advising of shipt of arc radio equipt for W.

4—3381

N. Eng. 134

CAIMITO RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
605850	1/12	15th Dist.	Quarterly inspection report. W.	
609191	2/11	15th Dist. (T)	Request expedite shipt of time clocks for Darien. W. To 15th Dis-T-expect delivery one month-have reqtd expedite-2;21-W	
614836	3/9 3/22	15th Dist. Y&D	Ask if spare antenna for Darien is to be supplied. W To 15 Dist- gives inform cc Yds & Docks	3/24
615955	3/29	Y&D	Copy of telegram to 15th Dist. stating addtl allotment #2601 -11-A has been mailed. W.	
618553	3/13 4/6	Balboa 15th Dist.	Quarterly inspection report. W. To S&A- Reqst delivery to Wireless Darien Radio Station be expedited cc 15 Dist 4/20 RB 4/28 W.	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
591805	FROM CARD 48		Point Isabel 12/28 W
			Yerba Buena- 12/29 W.
			Yerba Buena- 12/28 W
			15th Dist- 12/24- 3 reports. W.
			Point Isabel- 12/30 W.
			Point Isabel- 12/31 W
			Point Isabel -1/1 W.
			Point Isabel -1/2 W
			15th Dist- 12/31- report on test. W.
			15th Dist- 12/29 W. four reports
			15th Dist- 12/27 2 reports W
			Point Isabel- 1/3 W
			Point Isabel 1/4 W
			Point Isabel, 1/5 W
			15th Dist- 1/3 W- 4 reports on. W
			15th Dist. 1/5 W
			15th Dist. 1/12 Report on test. W

N. Eng. 134

Number.	Date.	From or To—	Subject.	

CAIMITO: RADIO STATION

Number.	Date.	From or To—	Subject.	
593729	11;1	Balboa T	Darien monthly test will be sent November 1st.W	
595182	10/27 10/29	Darien 15th Dist.	Request spare battery parts be furn. W. To 15 Dist- Gives Action 11/19	
595181	10/27 10/29	Darien 15th Dist.	Request wave meter be furn. W. To 15 Dist- Gives Action 12/1	
597546	11/26	Y&D	Understand report was sent direct to Bureau rel to painting of towers. W.	
564834	FROM CARD 45		15th Dist- Fwds print from Bristol Co 11/21. W.	

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CAIMITO RADIO STATION 1921

Number.	Date.	From or To—	Subject.
600258	12/7	15th Dist.	Request auth covering payments for repairs to Sub station equipt. W. To Balboa Appvd 12/16
591805	FROM CARD 47		Point Isabel 12/12 W. Point Isabel- report of test- 12/12 , 12/13 W To MI (T) San Diego not keeping test 12/16 Point Isabel- 12/15 W. Point Isabel 12/14 W. MI- (T) Schedule started 12/13- 12/19 W Point Isabel- 12/16 W Point Isable- report on test 12/17 W 15th Dist- 3 reports- 12/13 W. ECCS 12/17 W. Point Isable- 12/18- Report on test. 12/18 W Point Isabel-12/19 W. Yerba Buena- 12/22- W. Yerba Buena- 12/20 W 15th Dist- 12/16- W. (2) report on test 15th Dist- 12/14- 3 reports on test. W. Point Isabel- 12/22 W Yerba Buena- 12/21 W North Isl. 12/19 W
		Yerba Buena- 12/19 W. Yerba Buena 12/19 W Point Isabel- 12/20 W. Point Isabel 12/20 W. Point Isabel- 12/23 W 15th Dist. 12/19 W 15th Dist. 12/17 W 15th Dist. 12/20 W Yerba Buena- 12/23 W 15th Dist- 12/20 W. 15th Dist. 12/20 W. Point Isabel- 12/25 W Point Isabel 12/26 W Point Isabel- 12/27 W Yerba Buena 12/24 W Yerba Bueba- 12/27 W Point Isabel 12/29 W	
600798	12/23	To 15 Dist	Modifications to arc motor gnerator fwded W RB 3/14 W. To GE Co- Reqsts comments 5/11 Fwds Balboa 6/23 15th Dist- Fwds report of test. 7/25 W To Balboa- gives comments 8/26 Fwds Commns 8/26 RB 8/30/22. W.

CARD 48-A

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CAIMITO RADIO STATION 1921

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Number.	Date.	From or To—	Subject.
58[illegible]163	8-13	To Washington	Asks date spares assigned for Darien keys will be ready for shipment W RB 8/19 W
575157	5/7/14	[illegible] 15th Dist. (T)	New arc instln completed. W.
575185	7/19	To Darien (T)	Asks rel test. W. To [illegible] 7/30
			To Dairon (T) 7/19- W.
			15th Dist- copy- igives inform rqsted. 7/20 W.
			To 15th Dist- Stfs com 11th Dist rel test 7/29
			15th Dist- Copy- Ask Washn. standard. 8/12 W
			Fwd Commu 8/16
			Communications Fwds report of test. W. 8/18
			Bur Stand. 8/19- W. (2)
			Bar Harbor- 8/19- Subm reprt. 8/19 W
			MI- 8/22- Results of test. 8/22 W.
			M. Is--Reports on tests. 8/25 W
			San Diego 8/18 W.
			MI- Reports on test of new arc equipt
			San Juan 8/22- Test of new arc equipt
			8 days required to rec instrns. W
~~5[illegible]475~~	~~8-17~~	~~To Sandy Hook Island~~	~~Improvements to arrangement in Darien desp 15th Dist~~
583959	9/7	To Dir Communications	Improved arc equipment installed W
584497	9/12	To Balboa	Furniture for Officer- in Charge Quarters W
			15th Dis- Recommends amount for furniture be reduced to $800. 9/26 W
585325	8/2	Balboa	Request spare door for arc chamber. W.
			To Fed Tel Co- Reqst cost and approximate date of del of one door cc MI- 15 Dist 9/22
			Fed. Tele.Co. Makes quotation. 9/29 W.

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NCAMPTO RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
587383	9/17	15th Dist.	Subm inform rel to comparative cost of oil coal and elec ranges and other relative advantages in the Canal Zone. W. To 15 Dist- GivesAction 10/4	
571574	9/17	15th Naval Dist	Recommends spare antenna be provided for Darien & Balboa also adequate water supply for Cape Mala W	604-22
589673	9/30	15th Dist,	Quarterly inspection report. W.	
591805	10/20	Communications	Improvement of radio communication between	
CARD	15th Dist-	(T) Test- report on 12/6 W	Darien & San Diego. Comments on Request	
	Point Isabel-	Report test of 12/8-12/9 W	Point Isabel Sta be increased in size W	
48	Point Isabel-	Test 12/7- 12/8 W	To Dir Commns- 8 Dist- Gives inform rel	
	Point Isabel-	12/6 W.	test W. 12/13 ? RB 12/15 W	
	Point Isabel	12/10 W.	Point Isabel 12/11 W	
592379	10/25	To 15 Dist (T)	Darien wave length- Adjust as listed	

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[OVER.]

CAIMITO RADIO STATION 1921

Number.	Date.	From or To—	Subject.
568178	6/7	BarHarbor Copy	Have hired Wm. Keppers an ex-radio gunner in order to expedite instln at Darien. W Dept- 6/7 WK Fwd Secty 6-10
569438	6/13	15th dist. Copy	Gives status of new arc instln. W.
571552	6/22	15th Dist/ Copy	Report on status of new arc instln. W.
571642	6/22	15th Dist. Copy	Status of new arc instln. W.
573115	7/2	15th District copy	Progress report installation of new arc equipment at Darien W
574053	7-14	To Balboa	Wave lengths, Darien- Gives instructions covering W copy DNC PCCS Comdt M.I. Balboa- 6/23- Com.7/8- Rqdt instrns rel wave lengths new high power arc set. W.
577462 VOID error	7/25	Longstreth & Van Dyke VOID	Rqst authority to subm leaders listed for tesr. W.
577460	7/16	15th Dist	Quarterly inspection report Darien Sta. W. To Comdt 15th Dist 8/1

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N. Eng. 134 CAMITO RADIO STATION 1921

Number.	Date.	From or To—	Subject.
577886	7/18	15th Dist.	Recommends be authorized to expend $500 to replace roof on power house. W. To Comdt 15th Dist 8/3
577774	7-30	To S&A	Reqst shipmt of insulators from Mare Island to Darien W 8337 RB 10/19 W.
577773	7-30 To 15 Dist 9/7 card 52	To S&A	Reqst shipmt of rad ammeter from Washn to Darien W 8335 Shipt orddor from Phila to Washing ammeter 7/30 8334 Phila- Ask if substitution satisf. 8/10 W To Wash 8/16 To Phila 8/25 RB 8/31 W
577858	8-1	To S&A	Reqst shipmt of radio material from Wash to Darien W 8350 RB 10/19 W
577781 CARD 49	8-1 Phila- Subm estimates 10/13 W. To 15 Dist- Reqst comment 12/1 15th Dist- 12/14 W To Ids & Docks Reqst est cc 15 Dist 12/30	To S&A	Reqst shipmt of radio material from Norf to Darien W 8349 RB 10/19 W. Ham. Rds. 9/20 W. To 15 Dist. Gives status of shipmt 9/30 To Phila Reqst estimate cc Ids & Docks- 15 Dist 9/30
578812	7/21 8/2	15th Dist. Communications	Subm comments on 10,110 meter wave length. W/. To 15th Dist-present working wave to be continued. 8/5 W
580054	7/28 15th Dist-Subm report with sketches on parrallel operations of generators for arc. 9/16 W	15th Dist.	Fwds photos of new arc instln with report calls attn to unsatisf location of pump house. W. To Comdt 15th Dist 8/17 To Comdt 15th Dist. 8/17
580475	8/5 To MI via 15 Dist- Reqst report cc MI 9/30 MI-Fwds report in conn with instln of new 100 kw arc transmitter at Darien 10/18 Fwd MI via 15 Dist 11/16	MI RB 11/10 W	Subm report rel to instln of new arc radio equipt with suggestions. W. To M.I. co 15th Dist 8/17 MI-Improvements to arc instln-subm prints with estimate 9/19 W

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[OVER.]

Number.	Date.	From or To—	Subject.
547523	2/17	15th Dist. Copy	Automatic time clocks- ask if shall send to facty for repairs. W.
OVER	To 15 Dist Comdt as procedure to be followed 4/6	Desires opinion of cov to best and most economical	To Self Winding Clock Co Reqst inform re neccy work of overhaul and cleaning 3/16
549266	Self Winding Clock Co. 5/24 2/25	W Insp pr Fed.	Self Winding Clock Co.- Comments on probable cause of stoppage of transmitter clock. 3/19 W Copy of letter to contractors asking if decision has been reached rel to Co. furnishing Engineering and mechanic for instln of arc radio equipt at Darien. W
556212	4/11	To 15 Dist (T)	letter has gone forward re Darien Time clock make local arrangements as practicable chargeable to maintenance Darien pending repairs cc Comm W
556852	4/15	To Balboa	Reqst Bu be advised as to practicability of using Elec stoves and heaters at Darien cc Comm W
15Nav D	4/16	To Comdt Balboa	Spare parts for arc eqipmt at Naval Radio Station Darien. WR
560325	5-11 To 15 Dist	To Comdt 15th Dist authd 1/16/22	Motor generators for Darien. W 15 th Dist- 6/8 W. Coco Solo- 4/18- 15th Dist- 4/19-Quarterly insp report. W. 15th Dist- Ask want project motor generator should be charged to. 1/3 W
564842	5/??	15th Dist.	Subm summary of work of Dist for month of April W.
13639-595	4/28	Eng Comdt 15th N.D.	Radio Telegraph- U.S.Naval radio sta Darien Modification of working wave angle.

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CAIMITO RADIO STATION 1921 1

Number.	Date.	From or To—	Subject.
564959	5/19	Balboa Copy	Radio Inspector Landon and electrician Wallace reported for duty in conn with new arc. W.
564834	5-24	To Bristol Co.	Reqst recommendations in conn operation of generator set at Darien. W
CARD 48		fwd Comdt 15th Dist 6/9 RB 9/20 W	Bristol Co.- Subm suggestion cov operation of recording ammeter. 6/2 W.
		Bristol Co-7;15-W To - Gives Action 9/26	To Bristol Co- 6/9
		Bristol Co.-Rqst sketch showing connectns for instrument. 10/21 W	Fwd 15 Dist 10/26
547523		FROM OVER	15th Dst. Fwds report. 5/17 W.
			To Self Winding Clock Co- have fwded to Comdt Canal Zone for recs 5-28-21
			15th Dist. Recommends no further action be taken. 5/24 W
			Self Winding Clock Co. Subm quotation. 6/14 W
			To Self Winding Clock Co 6/20
			To 15th Dist- Rel to reduction to $740. maxium for work specified in conn with. 8/6 W
566542	5/26	15th Dist.	Instln of new arc equipt at Darien- comments on nec expenditures and alterations. W.
			15th Dist.-Fwds sketch showing preliminary layout. 6/10 W.
567763	6/4	15th Dist. Copy	Nec to put stations out of commission on 6/6 for new instln. W.
568178	6-8	To Secty	Authority reqst employment radio electrician for temporary emergency work Panama Canal Zone. W

CAIMITO RADIO STATION 1920

Number.	Date.	From or To—	Subject.
523889	10/18	15th Dist. Copy	Request expert radio aid be assigned for instln of arc equipt. W. To 15 Dist (T) Gives action 10-26
524187	10/19	15th Dist. Copy	Suggest radio aid bring necessary crew for instln at Darien. W.
15th N D	MSA 10-26	To S&A	Recomdns in conn with Dist communication superintendent's Quarterly inspn report of W. cc Dir Comm- 15 Dist- L5 Dist
525306	10-12 10-25	Balboa Communications	Request vertical spark antenna be manuf and installed; W
527397	10/29	Inspr Fed.	Copy of letter to Fed. Tele. Co. in conn with supplying equipt for improved blower and exhaust system for transmitter at Darien. W.
528284	11/4	Inspr Fed.	Copy of letter to contractors asking if will accept ammendment to contract 48087 cov services of engineer and mechanic to prepare plans for instln of 100 KW arc convertor W.

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CAIMITO RADIO STATION

Number.	Date.	From or To—	Subject.	
529134	11/13	15th Dist. Copy	Request new radiation ammeter be furn. W. To Norf 11-18 Norf/ 11/27 W. To S&A shipt of ammeter from Washn to Darien 12/1	
530927	11/10 11/11	Coco Solo 15th Dist.	Quarterly inspection report. W. To Comdt 5th Dist 12/22 15th Dist. Copy- Rqst telegraphic authorization. 12/24 W To 15 Dist (T) Reqst inform 12-27	
530938	11/13 11/15	Coco Solo 15th Dist.	Request new radiation ammeter for 100 KW arc set be furn. W.	
538408	12/27	15th Dist.	Subm report of test at Darien 11/20 to 12/10 W	
539847	1-12 To 15 Dist- Gives inform 9/30	To Comdt Balboa	Darien- duplicate pumping outfit project A 67 SE 21- W 15th Nav Dist 9/13 duplicate pumping outfit. Fwds print showing proposed location W	
539767	12/20	15th Dist	Request allotment card be retd cov conversion of barraxks into married quarters. W. To Y&D 1-21-21	
541333	1/10 MI- 5/23 W. MI 5/28 W 15th Dist Report of instln. 6/3 W	15th Dist.	Quarterly inspection report. W. To Comdt 15th Dist 2-7-21 To MI ~~Reqst travel~~ Gives Action cc 15 Dist 4/9	
544498	1/29	1st Apr Fed	100 KW auxiliary adjusting inductor and wave change switch on contract 32940-Furnished. W	

CAIMITO RADIO STATION

Number.	Date.	From or To—	Subject.	
500620	6/18	Alberger Pump & Cond. Co.	Subm proposition cov pump for Darien. To Alberger Co- fwds copy of specns 6/25	W.
500741	6/9 6/10	Coco Solo 15th Dist.	Fwds copy of Panama Canal specifications for elec pump at Darien, in use at present.	W.
NSA 17 1/2	7/8	Fwd S&A via Y&D	Reqst for furnishings for quarters at DAREIN WR Reqst revised estimate.	
505373	7/2	15th Dist.	Quarterly inspection report.	W.
510296	7;27	Coco Solo	Outline of radio work.	W
505672	8-7	To Comdt 15th Dist	Boat house station DARIEN. WK cop Y&D C&R Naval Com. To C&R rel above 8/7 Fwd Director Comm. 8-11 (15th Dist- Copy of action to Canal Zone. 8/12 WK To 15th Dist- fwds copy of endorsement 8/14 Balboa- 8/30 com- 7/16 Quarterly inspectiob report.	W.
511953	8/2	Balboa c	Arrangement of arc and spark antenna- report on test covering.	W.

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Number.	Date.	From or To—	Subject.	
50164	8-25	To Comdt. Balboa.	Reqt serial numbers and name plate data on transformers.	629
515805	9/6	15th Dist. Copy	New Key arrived; motor generators not. To Balboa(T) 9/8 To Inspr Westingouse (T) 9/8 Inspr Westinghouse- (T) Gives dates of shipt of motor generators. 9/9 W.	W.
515848	9/7 Mare Island 11/5 W. Mare Island- Copy of action to 5th Dist 11/15 W. Communications 12/10-fwds data. W	DNC	Request transmitting power be increased to communicate with San Diego. W. To MI Reqst report with com and recomd be sub cc comm- Pac Cost- C-I-C Pac Fleet- 15 Dist 10-25	
515991	8/24	Coco Solo	Reports on inspection of Darien towers. To Comdt 15th Dist: 9/10	W.
516724	9/8 To Inspr Fed 10/20	Inspr Fed.	100 KW arc set on contract 48667 -fwds print and recommendations for blower and exhaust system for. W. Fwd Inspr Fed 9-25 Inspr Fed. 10/11-Fwds correspondence with comments. W.	
517457	9-15	D.C.S. Balboa (copy)	Darien install remote control; necessary to shut down short time each day; W	
520966	9/29	Inspr Fed.	Copy of letter to 15th Dist. fwding drawings of loading inductor and signal system of convertor. W. Inspr Fed. Copy of action to Fed. Tele. Co. 9/30 W	

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CAIMITO RADIO STATION

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Number.	Date.	From or To—	Subject.	
472212	1/27	To S & A	Reqst shipment from Washington to Inspr Palo Alto 2 Radio Morse double cont hand sending keys. W RB 5/18 W. Inspr Fed- Request expedite delivery of hand keys. 3/16 To Inspr Fed 3 25	
474228	1/22 2/4	15th Dist Communications	Quarterly inspection report. fwd Com 2/6	
474600	1/19 1/24	Coco Solo 15th Dist	Subm report on measurements of Darien Tower current.	W
473186	2/7	To Fleet Base	Reqst advise info as to route and date of fwdg shipmt W RB 2/16 To Cdt 15th Dist 2/9	
477688	2/11 2/13	Coco Solo 15th Dist	Subm report covering spark antenna system at Darien Sta.	W

Number.	Date.	From or To—	Subject.	
489900	4/26	Balboa Copy	Neg to put Darien arc out of commission to replace burnt out choke coils. W. 15th Dist- (T)- Arc out of commission. 4/26 W	
489869	4/9 4/24	15th Dist Communications	Quarterly inspection report Fwd Director Nav.Comm. 4/28 To Comdt 15th Distreqst dupl of reqn 5/8 15th Dist- Fwds requisition. 6/12 W fwd 15th Dist 6/30	W.
491250	4/12 4/20	Coco Bolo 15th Dist.	Quarterly inspection report	W.
494925	5-24	To S&A	Reqst shipmt from Wash to Dairen C.Z. wave meter W RB 4/11/21 W.	
496382	5/26	Alberger Pump & Cond Co.	Subm quotation covering motor driven centrifugal pump for Darien. Towill consider proposal 6-3 Alberger Pump Cond.Co.- Are endeavoring to secure proper motor for pumping unit.6/4 W. Alberger Pump Co.- Request specifications for motors- 6/10 W.	W.
496434	6-1	To Comdt 15th Dist	Adjustment of wave length. W 15th Dist- 6/23 W. fwd Bur Stds 7/9 RB 8/10 W Bur Stand.Rsch Labr 8/5 W ToBalboa. rel adjustment wave length 8-13	
499471	6/9	Inspr Fed.	Fwds correspondence in conn with contract 48201 for 100 KW loading inductor and signal system from Fed. Tele. Co. Co's estimate disapproved due to excessive cost.	W

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Number.	Date.	From or To—	Subject.	
Darien 13	8/27	To Fleet Base Tel	Four hundred carbon cathodes left Wash Yd by express today B/L five three seven five for transshipment Darien radio period Fwd on first available boat and advise W-R	
442176	8/29	To S&A	Req ship from Wash to Darien via Fleet Base 400 carbon cathodes for arc set W To Fleet Base- re shipmt 8/29 Fleet Supply Base 9-9 Reports matrl shipt. To Darien (T) 9/20	RB 11-22
445253	9/13	To S&A	Req ship from Otter Cliffs to Coco Solo tone trap W RB 3/5 To Cdt 15th Dist Balboa- asks results of instal'n 9/15	
446230	9-19	Baltoa (T)	Rqst 3 voltage release coils with armature for starting compensator.	W
446650	9;2 9;12	Coco Sola Balboa	Reports on condition of new antenna at Darien. W	
5 450860	10;21 11;4	15th Dist Com	Quarterly inspection report. W fwd Com 11/6	

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CAIMITO

Number.	Date.	From or To—	Subject.	
456205	11/7	To 15th Dist	Reqst advise if new insulators have been insatlled Dairen Station. and if satis. W RB 12/24	
460576	12/2	To S&A	Reqst shipmt from Washington to Darien CZ radio & ppr W RB 2/21	
464728	12-24	To 15th Dist	Gives status of mfg. of material for Darien, Fed. Tel Co mfg's. W	920
469439	1-15	To 15th Dist (T)	Reqt DRMO measure tower current in each of Dariens three towers while operating 100 K.W. arc etc. W 15th Dist 1/18 Copy	
470462	1-21	To Darien (T)	Reqt tower current measurements taken etc. W 15th Dist- Report of test ground. 1/24 15th Dis-T-report on result of test .1/23	
471523	1/26	To S&A	Reqst shipment from Washington to Darien key panel W To S&A canc 2/4	

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Number.	Date.	From or To—	Subject.	
423612	6/4	NY	Annual allowance for Colan, Darien, Balboa, Coco Solo, reqst report of fwd to Bu be fwd to radio material officer 3rd Dist. To- NY fwds copies of corresp 6/7	914
426251	6-18	To Radio Sta Darien Tel	15016 Bu does not desire purchase key of type now used at statoin period design under way for new system with coupled compensation period when must new key be available period local repairs should be made to enable present equipment to be used until new apparatus avail period reply by despatch. W	
426798	6-21	To Balboa via 15th	Rel to shipment of insulators for station. W To S&A red ship from N Brunswick to Darien insulators 6-20 RB 10;25 New Brunswick 6;30 NY 7;15	
429183	6-29	Balboa Coco Sola-Report cov breakdown of transm equip at Darien. 8;15 Tracer letter R B 9-9 To Balboa (T) 11/6 Balboa 11/8 - (T)	Reqst expedite delivery of new blow out coil for Darien, reqst megnetic wire be ship. to Balboa. W To Balboa Tel 7/2 To 15th Dist- re shipt ordered 7/5 Balboa-Tel-7;7-Name of ship on which material was fwd, reqst. W Balboa-Asks when wire will arrive. 7;19 To Balboa Tel 7/19	
433457	7;17	Coco Sola Inspr GE-Recs commutator turning tool be obtained for use Darien. 8;15 W To InsprGE req obtain quotation 10/3 Inspr GE 10;14	Reqst commutato surfacing machine be furn to Darien for Gen Elec gen, sub estimate. W To Balboa Tel 7/19 ~~MI-Sub quarterly inspec report. San Domingo. 8;2~~ Coco Sola - 7:24 To GE- asks fwd statement rel time of del and cost of machine for dressing commutators without requiring dismantling of gen 8/12	

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CAIMITO

Number.	Date.	From or To—	Subject.	
434233	7;9	Coco Sola	Sub report on 5 kw transm set instal at Darieni W To 15th Dis- transformer removed from 5 kw Marconi trans will be retained as spare in Canal Zone for use w 5 kw Marconi trans installed stations 7/24	
436542	7;18 7;31	15th Dist Com	Quarterly inspection report Darien Station.	
438692	8/11	To Cdt 15th Dist Balboa	Tel: Delivery new loading coil and key system for radio Darien will be delayed for one hundred twenty days due to difficulty in obtaining high frequency cable period etc. W	
439978	8;11	Inspr Fed	Fwds report of material shipped cov material to Balboa. W	
440022	8/15	3rd Dist	In con with death of Saul Posner alleged to have come in contact with live wire at Seagate radio station. W	793-5
440214	8-19 15th Dist-Fwds floor plans of operating bldg at Darieni 9;24 To Balboa-Acklgs receipt of plan and gives infor. 10;14	To Comdt 15th Dist	New Arc equipment for the Naval Radio Station, Darien. Reqts furnish prints showing the arrangement of radio and elec equipment in the operating building at this station. W To Balboa 11/8	

CAIMITO:

Number.	Date.	From or To—	Subject.	
387379	1;7 1;21	15th Dist Com	Fwds quarterly inspec report, Darien Station.	
393702	2;4	15th Dist	Sub quarterly inspec report on Darien.	
392810	2;10	To Dept	RB 2;15 To Cdt 15th Dist- Bur approves conversion of guard barracks into double married operators quarters- 2/19	
346919	2;19	FROM CARD 38	To Weston Electrical Instrument Co- Advise Bur re error which will reslt in instroduction 60 cycle A C ammeters and voltmeters of approved Navy type manfd by you for use in a power supply of 25 cycles- 2/19 To Darien CZ- Reqst acknow receipt of shipment forms 564 one 5 W trans set contr 33014 with Marconi Co- 2-26 To 15th dist 3-18 rec of material- Canal Zone 3;19 Received back from Darien 4;18	
423437	5-27	Balboa	Sub report on antenna insul recs Arcover petticoat type be supplied Darien W	911

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CAIMITO

Number.	Date.	From or To—	Subject.	
397336	2-25	To Darien CZ	Reqst purchase of insul parts be discon type SE948 drawing RE61F-122B superseded by type SE1454 plan RE61F-149A-	
411055	4;4 4;14 Phila- To 15th Dist- re ship made 6/23	15th Dist CON 6;18	Report of DARIEN, etc. To Phila-Reqst report cov ship. 4-25 W To 15th Naval Dist-Recs in con with quarterly inspec. 4;28 W Phila-Reqst additional information. 5;13 To 15th Dis- info reqstd 5-20 To Phila three towers of Darien Sta 6 00 ft in height Comdt 15th Dist will furnish further ifo 5-20	W
413233	4-25 15th Dist- (T)- Ask when new key will be shipt. 3/5 To Cdt 15th Dist (T) 3/9	To Darien	Reqst shipment from Wash to Darien of arc relay key. N.O-Tel-Reqst key be rushed to Darien. 6;16 To Balboa Tel 7/24	W
413768	4;28	TO S&A	Resqt ship from MI to Darien of 20 insul porcelain safety strain type Cal 203 To MI Tel 5-16 MI-Tel-Insulators shipped 5;20	RB 6;21 W
417386	5;12	Darien Tel	Gives unit cost of power. To Darien Tel 5-10	W
420065	5;21	Balboa Tel	Reqst authority to expend $210. for filtering oil Darien high tension circuit breakers and transformers. Balboa-5;22 Tel To Balboa Tel 5-22	W

4—3381

[OVER.]

1917

CAIMITO:

Number.	Date.	From or To—	Subject.	
251931	9/29	Darian R	Reqst authority to purchase furniture for quarters - W To--(T) Grants auth.10/1	
263801	11-28	To Darien	Ask if there is spare radio equipment in the Canal Zone suitable for uses afloat. W	876
265467	12/8	To Canal Zone	Non-receipt of material urgently needed at Canal Zone. Gives information re shipt of. W	
296633	4/10	To Darien T	Directs submit rec in detail install radio station Coco Solo and distant control for same.W ~~B alboa (R) have mailed recommendations4/12-W~~	
300716	4/3	Canal Zone	Quarterly inspection-fwds report.W To Caaal Zone-- In re remote control Switchboard panel--4-29 To-- Darien Radio Sta-new aerial for-4-29 TO S&A--In re Darien req. D-5 of July 3rd 1917------ 5-3 ~~B alboa - fwds plans and specifications of aerial - 5/18 - W~~ ~~Fwd Phila--5-5~~ Balboa - fwds data - 5/24 Fwd N-Y Phila 6;5 received back 6;21 ~~Fwd. Y&D 6/25~~ To Y&D. Drawing rec'd without original correspondence, 7/17 ~~Fwd. Phila. 7/19~~ Y&D - 5;30	

4—3381

N.S.E. Form 134.

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CAIMITO.

Number.	Date.	From or To—	Subject.	
315050	5/28	15th Dist	Submits report of test made of lightening arresters. W To Balboa. Allots $500. for overhaul of lightning arresters. WK 6/14	
326694	7;4	15th Dist	Fwds report of inspection at Borven radio statio	
328456	7;4 7;19	15th Dist Naval Com.	Sub quarterly report of inspection.	
345583	9;6 Fwd. S&A 9/21	Darien	Corrects previous tel. W To Balboa (T) Cannot identify repeat reference 9/9 DCS-TEL: Items on req of 8;3;17 not received req same be fwd by end of Sept. W 9;6 Fwd. S&A 9/20	
346919	9/12	To S&A	Reqts. shipt. of radio apparatus from NY to Canal Zone for Rad. Sta. W	
TO CARD 39	To S&A- Urgently reqts vigorous action on above shipmt order 11-2 To S&A Reqts shipmt from NY to 15th Dist-Radio app 1-29		Balboa-Panel and radio set ready for airplane. 10;8	
362291	10;24	15th Dist	Copy of quarterly inspec report of Darien sta. W To Y&D- Allots to paint towers during coming dry season 10-31	
340314	2-23-19	15th Dist	None received -	

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[OVER.]

1917

CAIMITO.

Number.	Date.	From or To—	Subject.	
221711	4/9	Darien T	Request authority to expend $160 for overhaul kerosene engine.W To--(T) Repairs auth.4/10	
223852	4/20	Darien T	Trouble with water supply; rush delivery of pump material.W Fwd S&A--4/23 RB 5-7	
225349	4-28	NY	Requisition 13; parts for centrifugal pumps; reqt action be expedited.W Fwd S&A--5/3	
228723	5/4	Darien	Fwds inventory.W	
230166	5-15	Darien	Fwds requisitions for the Darien Colon and B alboa covering supplies uptakes, yearly allowances etx. for year 1917 and 1918	808
233576	6/1	Darien	Outline radio work, 1918-19.W To--Gives action.9/7	
157750	SEE CARD 26		To S&A--Ask where can locate set of bolts for Honolula station time clock. 6/27 RB 7/16 Fwd Pearl Harbor--7/19 RB 8/20 To S&A--8/17 Fwd S&A--8/22	

N.S.E. Form 134.

CAIMITO. 851

Number.	Date.	From or To—	Subject.	
240314	7/25	To S&A	Reqt shipt of wave meter from Wash to. W To Reqst. shipt. of 7/25/17 be cancelled. To 15th Dist- info re canc of SO 3-14	2/5
240697	7/25	Darien copy	Request antenna wire insulators to fill reserve stock used.W	
240951	7/28	To S&A	Reqt shipt of antenna wire from Wash to Darien. W	
243807	8/2	Darien	Fwds inventory sheets.W	
243788	8/16	To S&A	Reqt shipt of lighting switches from Wash to. W	
244817	6/25	Canal Zone	Fwds report of quarterly inspection.W Fwd Nav Com--8/27 To Ord--8/28	
250917	9/12	Darien	Action taken on request for automobile; asks W&R To--Will be supplied by NY. 9/29 Darien-10/26.W To--11/8 RB 11-30	

NB—0120

[OVER.]

CAIMITO 1917

Number.	Date.	From or To—	Subject.
	~~Fwd S&A--6/19~~		~~Fed Tel Co fwds bill for balance due Darien 6/12~~
206201		CARD 34	Fed Tel Co states gas engine has passed test and will be shipped to Darien on steamer sailing Jan 27th 1/18
		Darien (T) engine arrived March 3rd, installed, satisfactory; spares not received 4/4	To Darien--Advises of shipt. 1/26
		To Darien--(T)Directs inform Bu arrival of engine.4/4	To Fed Tele Co--Acknowledges letter Jan 18.1/26
		~~To De-Forest-Co~~ Fed Co--	Fed Tel Co rewuest payment of amount held back on account of defective gasoline engine 3/26
212307	1-23	Darien R	Re payment of bill.6/8
		Darien fwds copy of letter sent to Director of Nav Com relative to time signalling clock 2/16	Transmitting clock installed; reports derects in working.W.
		Fwd Nav Com--3/3 RB 3-9	To Navgn--Quotes despatch for comment and recommendation. 1/24 RB 2-6
			Fwd Naval Communi--1/29 RB 2-5
			Darien (R) working satis; ready to start; request instructions 1/31
			To Nav Com--Quotes above radiogram. 2/1
			To Navgn--Reqt reply to letter 1/24. 2/3
			To--No infor available for remedying trouble Detailed comments. 2/7
			Navgn have referred request to Branch Hydro Offices operating time balls 2/13
213120	2/1	To S&A	Reqt shipt of 12 asbestos tube pieces, from M.Is. to Darien for use with radio apparatus.W
213180	2/1	To Darien	Reqt report on radio station breakdown reported 1/28. W
			Darien 2/14
213808	1-3	Darien	Request data on distant control; in connection with fitting up station.W
		To--Will fwd when drawn up by Bost. 2/13	To Bost--Directs fwd copy of plans and instrns to Darien when completed. 2/14
214064	2-7	Darien R	Request authority to expend $4,000 for shelter one company infantry. W
			To--(T) Appvs. 2/9

N.S.E. Form 134.

CAIMITO: '851

Number.	Date.	From or To—	Subject.	
215117	2-18	Darien R	Gives time will be out of com.W.	
215623	2-15	War Dept	Fwds bills for work done at and Balboa and Darien.	808
216429	3/1	Darien T	Request authority to retain present station laborers under Panama Canal foreman.W	793-1
216414	2-20	Darien	Request new long wave receiver for undamped oscillations. W To S&A--Reqt shipt. 3/7	
216927	2-26	Darien	Request 20 kw induction motor. W To--Appvs. Will prepare reqn for.3/15 To S&A--Reqt shipt of remote control switchboard from Bost to Great Lakes.3/16	
217709	3-1	Darien	Submits recommendations for distant control site.W To--(T)Appvs.3/14 Darien (T) desire Bu comment on test 3-27 To--(T) Appvd.3/29	
208096	SEE CARD 35		To Wash--Appvs est. 3/22 To Darien--Gives action . 3/22 To S&A--Reqt shipt of 6 trans choke coils from Wash to NY for Darien. 3/22	
220191	3-16	Darien	Quarterly inspection.W.	
218053	4/5	To Darien	NSE 25-A and Bu records differ. Reqt further information. W Darien 4/16 W To S&A--Shipt reqt. 4/30	

Darien reports tikker shipped to Wash Yd on 12th.5/12

NB—0120

[OVER.]

CAIMITO 1916

Number.	Date.	From or To—	Subject.	
206604	11-16	Darien	Audion bulbs; received in bad condition; fwds shipping tags; states improperly packed.	898
206995	12-2	Fed Tel Co T	Offers to furnish metal filler block, cathode insulators; recommends be omitted on all future arc sets; have on long distance stations.W To--(T) Relative to furnishing new anode holder. 11/27 To--(T) Directs substitute carbon holder for anode holder. 11/29	
207235	11-27	Darien	Submits estimate for necessary repairs to buildings.W To--Appvs ests. 12/7	
208097	12/1	Pac Coast Supt VOID	Report of inspection.W	
	To--(T) Appvd. Instrns. 2/16			
	To--(T)Shift choke coils 1 P.M. 17th.		2/16 Wash submits estimate 3/12	
208096	12/1	Darien	Choke coils unsatisfactory; reports in detail.W	
	To Wash--Directs prepare plans and ests for work. 2/3		To--Comments on. 1/4 SEE CARD 36 To--Will replace choke coils. Directs make temporary arrangements pending work. 2/3	
	Darien (R) reqt start at once 2-16			
	(R) copy ready to shift position of choke coil; require 6 hours 2/16			
207184	Darien 12/5	Darien	Request new wave meter; unable to make proper report on test until received	903
208575	12-2 12-12	WarmDept S&A	Fwds bill for incinerator furnished by Panama Canal. K Fwd S&A--Appvd . 12/16	

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N.S.E. Form 134.

CAIMITO

Number.	Date.	From or To—	Subject.
209231	12-11	War Dept Colon	& Balboa; Darien; fwds bills for work done. 808
209582	12-15	Darien	Water supply; reports on bad condition of.W Fwd I&D--For comment and rec. 12/27RB 1-6 To--(T) Auth expenditure $500. 1/8
209720	12-14 To Sol--Reqt return of papers.4/2	Darien	Site for distant control station; fwds map with recommendations.W Fwd Dept--Rec appvl of site "B". 1/6 RB 1-15 To--Gives action on. Comments. 2/19 Fwd Sol 2-21
161229		CARD 27	Self Winding Clock Co have received formal order from NY Yd covering sending of manto Darien 12/29 To Darien--(T)Representative of company will arrive Jan 11th, install clock. 12/30 To Self Winding Clock Co--Acknowledges letter December 29th. 1/2
		1917	
210350	1/3	Darien R	Asbestos tube piece for new type anode bushing; request delivery of 6 more by mail.W To S&A--Reqt shipt of from M.Is. to Darien. 1/4 To S&A--Reqt shipt of 3 ebony asbestos bushings from Wash to Darien. 1/5
210630	12-19 Darien expect antenna will last 2 more years; etc 2/3 To--Appvs preparations.2/16	Darien	Quarterly inspection.W To--Ask length of time main antenna may be expected to remain in service. 1/11 Darien reports further breakage of antenna wires 2/16
210766	12-28	Darien	Reports shipment of audion amplifier shipped NY without Bureau authority.W To S&A--Reqt shipt of amplifier from NY to Wash for disposition. 1/8

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[OVER.]

CAIMITO.

Number.	Date.	From or To—	Subject.
198386	8-31	Fed Co.	Agrees to replace defective anoid originally supplied; fwds plan of new design. W To--Material to be replaced should be sent direct to Darien. 9/9 Fwd NY--In connection with award of bids on reqn 1418. 9/9 RB 9/16 Fed Co further 10-3
200201	9-15	Darien	Arc bushings; further report on troubles with. W To-- Submit report on completion of alteration being made by Fed Tel Co. 9/30 Darien new type anoid installed 30th; working perfectly 10-31 (R)
200529	9-30	To S&A.	Reqt shipment audion detector and amplifier from Wash to Darien. W ~~To Darien--(T) Obtain site at Gatun Advise bu as to suitability, costs. 10/13~~
201332	9-28 To--(R) Work will not commence for one or two years. 10/18	Darien	Request steps be taken to secure land for distant control station. W To Darien--(T) Obtain site at Gatun Advise Bu as to suitability, costs. 10/13 Darien (T) Army has reserved site chosen; request further advixe 10/17
202253	10-13 To Darien--Reqt to know when all arrangements completed. Will reqt services of represent of Self Winding Clock Co. 10/17 To S&A--Reqt shipt of two stor batt to. 10/18	Cone R	Transmitting clock; asks when will be ~~received~~ in operation. W To S&A--Reqt shipt of panel to Darien. 10/16 To Marine Supt.--Apparatus to complete installation will be shipt within next three weeks. 10/17 SEE BELOW
202272	9-25	Darien	Quarterly inspection. Fwd Dept--10/18 To--Install small fan to keep mosquitos out . Reqt ests for. 10/19
202253		SEE ABOVE Darien panel and chronometer recd 12-2 (R)	To Navgn--Reqt one chronometer be transferred to Darien for use with time signal trans apparatus. 10/18

NB—0120

N.S.E. Form 134.

CALMITO. 851

Number.	Date.	From or To—	Subject.	
203355	10/17	War Dept	Bills for repairs	808
203416	10-24	Observatory	Copy of instructions to NY and Capt of Port Christobal to supply chronometer to station.W	
203179	10/21	To Darien	Bu has instructed all yards to fwd copies of semi monthly reports to Darien	876
203504	10-25	Darien R	Asks audibility and wave lengths of as measured by Bu Sta dards.W To--Fwds copy of report. 10/31	
203834	10-28	Austin, Br. LW	Wave length test; gives results. W	
205401	11/13	To Darien	Reqt comment and detailed infor on breakdown of radio apparatus. W Darien submits reports on breakdown 11/23	
		To Fed Tele Co--Reqt arrgts be made to return engine to Darien. Satis tested. 1/6		
206201	11-11	M.Is	Reports on test of defective Union Gas Engine received from.W NY Report engine never satis 11-25 (T) M Is further report 12/26	
		To--Instrns. 11/28 To Darien--(T) Test show engine operated without circulating water Ask for comment. 11/24		
206291	11-17	Fed Co.	Gas engine; request instructions relative to returning engine recently repaired to Union Gas Engine Co. W To--Will be necessary to rebore cylinders and fit new piston rings. 11/28	CARD 36

NB—0120

[OVER.]

CAIMITO: 1916

Number.	Date.	From or To—	Subject.	
189669	5-20 6-1	Panama Canal Y&D	& Colon; comments on recommndations contained ~~on~~ in inspection relative to garbage incinerator, arc room, plate glass, etc. Fwd Y&D--Allots sum for. 6/6	
190196	5-31	Darien	Reports on performance of atc set using hydrogen gas.W	
190282	6-9	Darien R	Request authority to purchase from Panama canal switches for new primary key.W To--(R) Purchase authorized. 6/9	
190382	6-10	Fed Tel Co T	Gas engine ready for test.W To--(T) Notify M.Is when engine ready for inspection. 6/12 To M.Is--(T) Directs inspection. 6/12	
M Is Union gas engine ex-Darien; reports on test of 7/10				
190336	5/25	War Dept	Panama Canal bills; fwds for settlement	808
188155	6/17	Colon R	Reports on engines required Colon and Darien	808
191796	6-26	Darien	Money spent on towers will not exceed $1700 up to July 1. W	
192258	6-12	Darien	Quarterly inspection.W To-- Comments on. 7/18	

NB—0120

N.S.E. Form 134.

CAIMITO: 851

Number.	Date.	From or To—	Subject.
192552	6-27	Darien	Recommendations for location of distant control station.W
194421	7/21	Darien T	Request plate glass for operating building be expedited.W
194463	6/20	Western Elec Co	Experimental receiving set; relative to furnishing vacuum tubes to replace those burned out.W
195272	7/27	Fed Tel Co	Darien arc; fwds prints of proposed changes.W
183904		CARD 32	Darien (R) drawings received appear satisfactory; company says further changes being tried 8/11 To Fed Tel Co 8/22 To NY 8/22
197612	8-23	Washn	Experimental battery; work not yet begun. W To--Comments on. 10/11
197536	8-24	TO --	Re break down Reports on key trouble 9-6 Fwd Wash-- 9/18 RB 10/11
198109	8-26	Washn	& Pearl Harbor; time signal control board; fwds plans.W
197887	8-28	To Darien (R)	Directions for test schedule 8-28 Darien (T) report on test 9-3 Darien (R) reports on audibility test 9/7 To--(R)Gives results Sunday test.9/5 Darien 9-10 (T)

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CAIMITO:

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1916

Number.	Date.	From or To—	Subject.
183480	3-2	Darien Personal	Fibre bushings of arc not working well; suggests concrete; favorable report on Western Elec Co elec receiving set. W
183504	4-1	Supt Radio	Inventory of property. W
183668	4/4	Darien R	Transmitting clock arrived, ready to start installation but representative not here. W Darien (R) asks instructions 5-5 To--(R) Installation will be made after arrival makers representative. 5/8
183904	3/27	Darien SEE BELOW	Reports on trouble with arc bushings. W To Fed Tel Co--Quotes above; asks what steps necessary to eliminate troubles. 4/12 Fed Co agrees to undertake elimination of battery trouble 4-19 To Fed Tel Co--5/22
		To--Fed Tel Co will undertake work at Co's expense. 4/24 Fed Co (T) re-wire Number 5-6 To Fed Co--(T) Impracticable. 5/8	
184164	4o7	At Coast Supt	Quarterly report of inspection. W Fwd Y&D--For plans and estimates. 4/15 RB 4/20
184747	4-19	To Darien.	Direct repairs to main key solenoid. W
185099	4-18	To Darien.	Fwds copy print and Executive order covering boundary of Darien station tract. W
185696	4-25	Darien R	& Colon; estimate for repainting towers; with recommendations. W Fwd Y&D--Bu will make allotment for repainting towers. 4/29 To NY--Prepare reqn for glass window. 6/5
		NY reqn prepared 6-12 Fwd NY--Asks when plate glass window will be forwarded. 8/3 RB will be fwded by steamer 16th inst 8/16	
183904	5-23	SEE ABOVE.	Lists items being purchase for spare parts for 100-K.W. arc set. W-R
		Darien (R) drawings not received from Fed Co 7/21 To Fed Tel-(T) When may drawings be expected. 7/21 To Darien- Drawing will be fwd by Aug. 1st. 7/24	Fed Tel Co nearly completed 5-26 Fed Tel Co 7/24

CARD 33

NB—0120

N.S.E. Form 134.

CAIMITO 8514 To Darien Audibility meter; asks if apparatus now a

Number.	Date.	From or To—	Subject.	
185303	4/24	To Darien	Asks if audibility meter now at station	893-5
174957	2/9	Darien	Outline of radio work 1917-18; items which will require expenditures of over $500	604
186752	5-4	Darien R	Request Western elec ultra udion repeater bulbs. W To--Have reqtd shipment of bulbs from Wash. 5/6 To S&A---Reqt for shipment. 5/6 To-- Darienreasons why should be furnished 5-17 To--Comments on. 6/5	
187562	5-11	Self Winding Clock Co	& Honolulu; request action on proposition for furnishing experienced man to supt installation. W To--Comments on. 5/20 Company agreeable 5-22	
187754	?	?	Suggestions for material for insulators, bushings, etec. W	
188091	5-14	Crenshaw Personal	Relative to Darien and Kolster direction finder.	
188469	5-20	Darein R	Reqt authority to experiment with hydrogen gas for use in arc chamber. W To--(R) Permission authorized. 5/24	
189106	5/17	Canal Zone	Fwds reqn for services of laborers, etc, fiscal year	808

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[OVER.]

CAIMITO: 1916

Number.	Date.	From or To—	Subject.
180047	2-14 2-23	War Dept S&A	Fwds bill for work on quarters.W Fwd S&A-- 3/4
180140	2-19	Darien	Transmitting set; fwds calibration curve. W
180542	3-2	Self Winding Clock Co	& Honolulu; both clocks ready for delivery; quotes price for sending man to Honolulu to install.W Cross to Honolulu
180624	2/18	Darien	Experiments with distant control; recommendations.W
	To Darien-(T) Construction base auth. 3/25 Washn est 3-28		
181042	3-8	Darien R	Reqt authority to transfer Colon's battery for use as float on key circuit.W
	Darien best can be made by sta force 3-23		To--(R) Appears preferable supply new type key; can delivery within two months.3/18
	To--(R) Will supply new key; submit est. concrete base. 3/22		Darien comments (R) 3-20 To S&A--3/23
	To Wash--Auth manuf key. 3/22		
181319	3-9 3-10	Weston Elec Co NY	Thermo ammeters; asls of right hand terminal grounds willbe satisfactory; reqn 12. Fwd PPO NY Via S&A--Will be satis.3/17 Weston Co relative to gound on terminals 3-24
181704	3/15	To Federal Tel Co.	Darien reports trouble with fiber bushings used with 75 K.W. arc.; asks precautions that should be taken. W
181799	3-17	Darien;	Insulation main key solinoid; burned out; rewound in advance of Bureau approval. W

N.S.E. Form 134.

BAIMITO: 851

Number.	Date.	From or To—	Subject.	
182099	3-11 3-18	WarDept Dept	All bills for work have been submitted except for concrete pillar for time clock. KW	
182031	3-10	Darien	Reqt instructions on disposition of bad cells. W Fwd C&R-- For comment and rec. 3/22 RB 4/24 **To C&R--Boats now at Darien have been transferred to Colon. 4/27**	
182747	3-17	Darien	Reports in detail on burning our 10" main feed solenoid 100 kw arc set. W To Fed Tel Co--Quotes report on: asks as to repairs. 4/20 **Fed Tel Co relative to; reqt Panama canal make repairs 4/27** **To--Auth make repairs. 5/8**	
	Darien copy of letter from Fed Co relative to repairing 5-25			
182851	3-11	War Dept	Concrete pillar for time clock. WK	
182804	3-L	Clark, Geo H	Submits estimate on present key and estimate for key suitable for station.W	
182885	3-22	Fed Tel Co	Submits comments on condition of station in connection with furnishing new type key, use of hydrogen inarc siganal,etc.W Fwd Darien--4/3 RB **Comments 4/27**	
182957	3-13	Austin, Dr	Wave length experiments; conduected at Laboratory; report on. W Fwd Darien--3/29 RB 4/13	
183046	3/28	S&A	Fwds Canal bills	8 08
183199	3-26	Washn	Recommends installation of experimental battery to overcome insulation breakdowns. W Fwd Darien--Have reqtd shipment of 3/31 To--Apprvs estimates. 3/31 To S&A--Reqt for shipment. 3/31	

NB—0120

[OVER.]

CAPITO. 1915

Number.	Date.	From or To—	Subject.	
175043	12-22	Darien	Reports on uncompleted and auth work.W	
175042	12-22 To Wash.--Fwds instrcns. 10/17 To Wash--Reqt estimates for manuf time signal board.7/13RB 8/4 Fwd Wash--8/12	Darien	Washn carbon backed instruns 10-25 Relative to installation of time signalling apparatus.W Fwd Nav Obser--For comment and rec. 1/25 RB 5/8 To Nav Obser--Fwds prints with instrns covering proposed system. 6/7 RB 6/30	
175530	12-28	Darien	Reqt 10 garbage cans.W To-- Purchase authorized. 1/7	
175858	1-8	War Dept.	Fwds bills. K Fwd Darien--For certification. 1/12 RB 2/3 Fwd S&A-- Fwds appvd. 2/3	
176010	1-10 1-11	Phila S&A	Hot wire ammeter ~~received~~ reqn 12 not in store; reqt instructions to purchase. W Fwd S&A -Rec be purchased fromWesternCo.1/17	
175992	12-28	Darien	Quarterly inspection report.W	
176763	1-21	Datien	Reqt authority to have Panama rewind 7 HP induction mtor which runs exciter.W To--(T) Authorized. 1/21	
176887 To Wash via S&A--reqtshipt from Wash to Darien 3/20 To Darien via S&A--reqt shipment to Wash 3/20	1-22	To Darien.	Lists radio receiving equipment to be furnished station: asks what receivers now at station in excess available for transfer.W Darien gives data on receivers 2-2	
177642	1/31	Darien R	Last shipment 36 ultra audion bulbs, DeForest, unsatis; reqt shipment 36 more	898

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N.S.E. Form 134.

CAIMITO: 851

Number.	Date.	From or To—	Subject.	
177673	1-18 1-31	Panama Canal Y&D	Statement of expenditures.W	
177870	1-29 2-1	Self Winding Clock Co NY	& HOnolulu; clocks are entirely completed; recommends be left at works until stations are ready to receive.W Fwd Brook 2/5 RB 2/8 Fwd Brook-- 2/5 Fwd NY-- 2/9	
177892	2-2	To Darien. (R)	Directs addtion to regular tests. W Darien (R) reports 2-6	
178266	1-27	Darien	Fwdsdescription of small changes and improvements made inarc set.W	
178815	2/ 11	To Darien	Wavemeter and receivers; asksdisposition of	808
178437	2-11	Darien	Recommends spare arc chamber be kept at all arc stations; have made minor alterations in set.W	
179351	2-17	Federal Tel Co.	Have reqtd shipment from Darien to Co. of the oil engine which has not proved satisfactory; reqt satis oil engine be provided. W To S&A--Reqt for shipment. 2/17 Darien repor s shipment of oil engine 3-10	
179426	2-7 2-11	War Dept S&A	Bills for work. K Fwd S&A--Appvs. 3/3	
179464	2-18.	To Nav Intel.	Article by Dr. L.W.Austin, reqt authority to publish. W Dept auth 2-19	
179655	2/10	Y&D	Cost of radio installation	808

NB—0120

[OVER.]

CAIMITO.

1915

Number.	Date.	From or To—	Subject.	
170038	1 0/22	Darien	Western Elec receiving set used with long distance telephone experiments; fwds description of; states far superior to any receiving set at that station and requests be allowed to retain for permanent use	902
170357	10-25	Darien	Quarterly report expenditures. W	
170524	11/6	Fed Tel Co	Fwds a letter addressed toBu SE dated Oct. 27, 1913, which was delivered to Lt. Hepburn personally and through error returned to Mr. Fuller.W	
170670	10-21	Carlson, C.A., Chief Engr	Radio towers; reqt auth to publish.C Fwd Nav Intel Via Y&D-Rad er--Appvs with omission. 11/12	
171586	11/10	Darien	Asks what disposition is to be made of burnt out audions and amplifier bulbs.W To--Instructions;(See 141818-898). 11/23	
171587	11/11	Darien	Submits list of deficiencies in furniture; urges tenniscourt.W	
171590	11/9 To Fed Tel-_Reqt reply.4/12	Darien	Asks if station will have to pay for new arc chamber furnished by the Fed Tel Co.W To Fed Tel Co-- Reqt check for $43D to made to cover. 2/25	
171591	11/8	Darien	Wave meter, Marconi, Reqt be sent Bu Standards for calibration.W To--Will shorty issue wave meter to.11/22	

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CAIMITO. 851

Number.	Date.	From or To—	Subject.	
172049	11/9 11/22	Self Winding Clock C o S&A	Darien and Honolulu; clocks; gives reasons why extension necessary.W Fwd S&A--Reqt extension. 11/26	
172205	11-12	Darien	Reports broken insulating brass at building outlet.W	
172195	11-16 To--(R) rized.	Darien Installation pier auth 12/2	Concrete pillar for self winding clock; work held up awaiting instructiins and bolts.W To--Will reqt shipment of bolts.11/30 To--(R) Pillar will be installed as soon as practicable. 11/30 To S&A - Reqt for shipment. 12/1	
172502	11-19	Darien	Reports insulators in excellent condition.	W
172733	11/19	War Dept	Fwds bills	8 08
173123	12-2 12-6	Crenshaw, Lt.RS Nav Intel	Reqt authority to publish article on in Proceedings of Institute Radio Engineers.C Fwd Nav Intel via Supt Radio 12/14 Crenshaw fwds copy for files 12-17	
173410	12-9	To S&A.	Reqt shipment radio receiver telephone cords from Wash to Darien. W Washn no cords in stock 12-10 Fwd Washn 12-16 Darien (R) asks when cords will be recd 1-5 Fwd S&A--1/5 RB 1/10 S&A cords shipped by mail 12-28 1-13	
174230	none	Cavite VOID		
174372	12-21	To Darien. (R)	How much of High Power appro work auth remains uncompleted and describe in detail by mail. W	
174578	12/23	Darien R	States have received shipment order stating transmitting clock and chronograph being shipped; received chronograph Aug.2; no use for another.W To S&A -Reqt shipment be cancelled.12/28	

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CAIMITO:

Number.	Date.	From or To—	Subject.
166163	9-18	To Fed Tel Co.	Crack in 100-K.W. arc chamber; comments on. W Fed.Tel.Co.-reqt additional inf.re.9/24.
166393	9/22	Crenshaw (R)	Have increased wave lengths by 2 turns; reqt report of wave length recd. W To--(R) 6400 wave length. 9/23
166678	9/14	Crenshaw (Personal)	Rel to his detachment; reports on arc chamber; also fwds copy of his article on the Canal Zone radio stations. W
166714	9/14 9/24	Crenshaw, Lt.S.S. Supt Radio	Radio stations, Canal Zone system; article on, for publication. W Fwd Operation--10/5 Nav Institute will be pub 8-10 7-3
166705	9/25	Darien (R)	Reqt instrns. re accepting Panama Canal bid of $50 for erection of foundation for time clock. W
167693	10-7	Crenshaw R	Reqt anode tips.W To S&A--Reqt shipment from Wash. 10/8
168106	10-1	Darien	Quarterly report inspection.W
168323	10-11 10-14	Panama Ry C&R	Bill for transportation 7 reels cable; Federal Co. refuse to pay; reqt Navy pay.W TO Fed Tel Co 10-16 Fed Co 11-11
168572	10-6	Crenshaw	Fwds report on crack in brass arc chamber transmitting set.W To Fed Tel Co--Quotes report on. 10/25 Fed Co. change in design will obviate 11-1

N.S.E. Form 134.

CAIMITO: 851

Number.	Date.	From or To—	Subject.	
168700	10-19	Darien R	Reqt 36 ultra audion bulbs.W TO S&A reqt shipmt 10-20 TO -- (R) 10-20	
169101	10-23	Darien R	Rush delivery of 200 carbons for Federal Co apparatus.W To S&A--Reqt for shipment from Wash.10/25	
169136	10-23	To Nav. (Hydro Office)	Reqt distances in nautical miles from Darien and San Diego-San Fran-Great Lakes.W	
169427	10-29	Darien R	Loose leaf ledgers; reqt. W	
169468	10-14	Darien	Lists apparatus required to complete equipment for primary system.W	
169759	10-27	Bd I&S	Quarterly report of inspection.W	
169756	10-27	Self WindingCLock Co	Cont 532; fwds prints, photos, and request extension of cont time.W Fwd Nav--For comment and rec·11/4 RB 11/9 Brook copy of letter to 11-8 Fwd Nav Obser--11/10 RB 12/20 To--Take up with Insp Brook. 11/10 To Brook--Re extention of time.11/10	
		Company reqt extension 11-11 Fwd S&A--11/15 Brook fwds photos 12-14 Fwd Brook- 12/29 RB 3/9/16		
169772	10-28	To Darien. (R)	Crenshaw says telephone connection to receiver correct as given except certain polarity of battery. W	
169789	10-29	To Darien.	General schedule of supplies; fwds. W	
169678	10/14	Crenshaw	Panama Canal bills for spark plugs, gaps	808

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CAIMITO

1915

Number.	Date.	From or To—	Subject.	
161229	7-21	Self Winding Cliock Co	& HONOLULU: submits cost for sending expert to superintend installation of clocks. W To - consider each station separately 8-11 To Darien - quotes arramgements - report when ready for 8-11 Company quotes, etc 8-24	
		TO Company acceptable 8-27 To NY-- 8/31 To--Have prepared reqn for services of expert. 12/12 Co 12/14		CARD 35
161638	7/27	Crenshaw R	Asks when can inspect one kw motor generator.W Fwd NY-- Asks when will be ready. 7/27 To--(R) Contract place July 31; delivery 30 da s. 8/3	RB 8/3
6081	7/30	Brook	Reqt information relative to test of water sterilizing set for Darien	629-1
162507	8/4	Crenshaw R	Western Elec receiver many times better than Austin's; Co reqt authority to leave set.W	
162676	7/25	Lt. Blankenship	Estimated time for completion (Personal to Mr. Hooper)W	
162677	7/13	J. W. Scanlin	Reports on conditions at Brownsville, 5 letters, personal to Mr. Hooper W	
162680	8/2	Fort San Houston T	Reports Brownsville maintaining regular schedule.W	
163 061	8/10	Crenshaw	Reqt spares for arc chambers.W To N.I. (T) order arc chambers 8-11	
163149	8-2	Fed Tel Co	Asks if objection to publishing description in Proceedings of Inst. Nav Engrgs. C To - can quote article of Dr. Austin 8-11	
163192	8/1	Crenshaw	New steel towers; redommends employment of expert to make periodical inspection; recommends E. E. Seavy	808

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CAIMITO 851

Number.	Date.	From or To—	Subject.	
163351	7-6	Crenshaw	& Balboa; fwds Canal bills.W	
163433	7-30	Crenshaw	Personal letter re Crenshaw's relief, and fwds curves showing transmitting tests. W.	
163372	8/6	Crenshaw	Fwds Canal bills	808
163789	8/7 8/9	Panama Canal Y&D	Explains high estimate for time signal room in addition to storehouse.W Retd Y&D--estimates appd 8/21	
164153	8-19 To Darien--No further action will be taken. 2/17	Fed Tel Co	Unsatis Union Gas Eng Co. engine; fwds correspondence with Company. W.	
on engine with recommendations for ~~ist~~ its disposal, involving changes in Balboa and Colon				
16-7	8-24	To Crenshaw	Ref. Crenshaw for report 8-24 RB with report Arc chamber casting - recn. appvd. for new - submit estimate for repairs to old"W	
164379	8-14	Crenshaw	& BALBOA; fwds Canal bills.W Fwd S&A 8-27	
164976	9-3	Crenshaw R	Out of commission; cracked arc chamber.W	
164980	9-3	TO Darien	Porcelain and concrete bushings for arc generator; reqt report on	911
164672	8-10	War Dept.	Fwds. bills	808
165635	9-11	Crenshaw R	Transmitter out of commission 24 hours from Monday; repairing cracked arc chamber.W	
165717	9-3	War Dept	Fwds bills	808

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CAIMITO: RADIO

Number.	Date.	From or To—	Subject.	
157063	5-26	San Diego	Reports on tests with.W	
156994	6-7	To L.F.Fuller. (R)	Mr.Veeder says communicate with him at Biltmore om arrival. W	
157276	6-8	Washn	Rect variable condensers and loading coils sent to Caimito be invoiced to. W To-- Appvs. 6/11 RB 6/21	
157249	6-3	Crenshaw	Transmitting set; reports on acceptance test.W	
157372	5-28	War Dept	Bills	808
157750	6-12 To--Have rectd shipment of.7/21 Company sent Hepburn direct6-25 To--Re shipment of. 7/9 Company asks return from ship 7-15	Self winding Clock Co	& HONOLULU: fwds prints showing front and side pier construction for tansmitting clocks.W To S&A-- Rect for shipment.7/21 To--Rect proposal for installation of.6/24 To Darien-- Fwds copy a ove. 6/24	CARD 37
157973	6-15	To Colon. (R)	So far very little difference if any between grounded and ungrounded tower signals. W	
158067	6-16	To Canal Zone.	Results of tests with Darien; gives tabulated statement on. W Replies 6-24	
158404	6-19	Crenshaw	Spool of arc magneto burned out 15th; repaired by Canal force; spare also damp. W	
158402	6-12	Crenshaw	Fws. reqns. to cover services year 1916	'08
158761	6/14	Crenshaw	Fwds bills	808

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CAIMITO: RADIO 851

Number.	Date.	From or To—	Subject.	
158888	6-25	Crenshaw R	Reqt instructions re shipping tools,etc. to Federal Tel Co. W Fwd S&A--Reqt arrangement be made for shipping 6/28	
159039	6/14	War Dept	Fwds bills	808
159090	6-27	Crenshaw R	Reqt schedules of German and arc stations US for testing receivers.W Fwd Rad Ser-- 6/28	
159292	6-30	To Darien. (R)	Discontinue daily tests; make written report of troubles. W	
159334	6/19	Crenshaw	Fwds bills	808
159358	7-1	Crenshaw R	If pedestal for transmitting clock to be in floor, ~~flier~~ installation should be made before floor is laid.W To--(R) Clock pedestal will be isolated from flooring in time signal room. 7/1	
160107	7-9	Crenshaw R	Arc in good shape to continue any test and handle regular traffic. W	
160949	7-19	Crenshaw R	Gives panama Canal estimates for signal tower and addition to store house.W Fwd Y&D-- For comment. 7/19 RB 7/22 To--(R) Now under consideration.7/24	
161121	7-21	Crenshaw	Ready to start test; only trouble damphess arc magnet spools. W	

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CAIMITO: RADIO:

Number.	Date.	From or To—	Subject.	
156852	6-5	To Colon. (R)	Gives schedule of tests. W	
157195	6-2 6-3	Fed Tel Co. M. Is	Darine test; reports results.W	

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Number.	Date.	From or To—	Subject.	

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CAIMITO: RADIO. 1915

Number.	Date.	From or To—	Subject.	
155106	5-15	M.Is T	Asks if SanDiego is to continue sending for test purposes.W To Colon--(R) Do you desire continue sending schedule to Darien. 5/18 To--(R) Test may be discontinued. 5/19	
155191	4-30	Cooke, Civil Eng. F.H.	Reports in detail on expenditures.K	
155732 VOID	5/10	MAYRANT	Lists official publications being returned while vessel is out of commission.M	
155353	5/17	Y&D	Fwds report of board on changes, contract 1948, Penn Bridge Co., for radio towers.W Fwd Dept--Rec appvl of. 5/21	
155400	5/19	Darien Cablegram	Estimate for construction of boat house.W To--(R) Appvs. 5/20 To Y&D-- Have appvd. 5/22 RB 5/26	
155406	5/11	Crenshaw	Panama bills; also for Balboa and Colon.W Fwd S&A-- 7/1	
155553	5/18	Crenshaw R	Dr. Austin sailed, to arrive NY 24th.W Fwd Dept--	
155791	5/12	Crenshaw	Fwds bills	850
155932	5-25	Y&D	Copy of letter to Penn Bridge Co. covering additional work amounting to $10298. inc. W	
156078	5-15 5-21	Fed Tel Co M.Is	Reports on Darien test.W To Colon--(R)Inform Fuller Veeder in Wash; does Fuller propose returning. 5/27	
156145	5-27	Y&D	Copy of letter Penn Bridge Co. realtive to additional reinforcement column joints.W	

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CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.	
156124	?	War Dept	& BALBOA; COLON; fwds bills; includes $16,000 for Darien for erection work. W Fwd S&A-- 6/3	
156330	5-22	Federal Tel Co.	Honolulu reports no results Darien test May 15-21.W	
156349	6-1	Crenshaw R	asks if Bu desires additional test before Fuller's departure June 30W. To--(R) Further tests can be carried on after Fuller leaves. 6/1	
156381	6-1	Crenshaw R	Gives results of Sunday test; Fuller reqt results before sailing.W	
156382	5-29	To Colon. (R)	Will take readings on your tests Sunday at NBS and NAA. W	
156392	6-1	To Colon. (R)	Gives results Sunday tests. W	
156500	5/25	Crenshaw	Fwds Canal bills	808
156571 VOID	6-3 6-3	Phila T Dept	Requiremens 10 days main engine repairs.Y	
156570	6-2 6-3	Washn Laboratory Washn	Loading coils and variable condensers; taken by Dr. Austin kept by Station Reqt be invoiced. To Wash--Auth transfer of. 6/4	
156590	6-3	Crenshaw R	Reports on tests Monday.W	
156594	6-3	To Colon. (R)	Gives schedule test. 6/3	

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CAIMITO RADIO 1916

Number.	Date.	From or To—	Subject.	
153101	4-23	Austin T	Suggests 6,000 wave meters: recommends final sending and receiving tests be carried out in fore noon. W	
153274	4-26	To Colon. (R)	Gives schedule of test with Darien. W	
153487	4-29	Crenshaw T	Reqt Arlington listen in Thurs 9:30, 8000 meters.W	
153610	4-29	Crenshaw	Arrgt for test M.Is and Arlington.W	
153837	5-1	To M.Is. (R)	Gives schedule of Darien: inform Federal Tel Co and reqt them observe at Honolulu. W M.Is will so do 5-4	
153945	3/11	Panama Canal	Status of work at station	808
154143	5-4	To Colon. (R)	Inform Fuller Veeder at present in Wash: when does Fuller intend finish work at Darien.W	
154054	4/28	War Dept	Fwds bills	808
154111	5-5	Fuller, R	Will remain several weeks on account of delay in receiving freight.W	
154110	5-5	Crenshaw	Auxiliary load from exciter of Lowenstein set used for gap coil;	

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CAMITO: RADIO 851

Number.	Date.	From or To—		Subject.
154109	5-5	Crenshaw	R	Boat house pontoons sprung leak; reqt permanent fitting of house.W To--(R) Reqt estimate for. 5/6
154362	5-7	Austin,	R	Reqt Laboratory station make audibility readings daily; reports no differ nce in towers capacity. W
154363	5-7	Crenshaw	R	Wave changing switch not satis; does bureau insist on.W To--(R)Submit comment to guide Bu in manuf improved switch. 5/7
154364	5-6	Crenshaw		Reqt Honolulu, South City, San Fran, Arlington and Laboratory make shunt tests on Sunday:W To M.Is--(R) Quotes above radio. 5/7
154471	5-8	Crenshaw	T	Suggested schedule for Sunday May 9.W
154519	4-30	Crenshaw		Cleaning up grounds,etc. Recommends Panama canal do work. W
154683	5-11	Crenshaw	R	Reqt winches be expedtied.W
154758	5-11	M.Is	R	Reports receipt of Darien signals also at San Diego. W To Colon--(R)Gives results of. 5/13
154884	5-13	M.IS	T	Darien signals;audibility 5.W To Colon-- Quotes above. 5/14

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CAIMITO: RADIO 1915

Number.	Date.	From or To—	Subject.	
150746	3-27	Fed Tel Co	Fuller leaves for Darien Mch 31; reqt motor be not turned over until arrival.W To--(R)Dairen instructed as reqtd. 3/27 To Colon --(R)Reqt generators be not turned over until arrival on Fuller·3/27	
150793	3-27	To Tuckerton. (R)	Darien reports Tuck 5.35 pm schedule weak during last few days. "	
150976	3/20	Crenshaw	Fwds Canal bills	808
151098	3-23	Crenshaw	Has moved headquarters to Darien.W	
151192	4-1	Supt Radio	Darien will be headquarters for radio officer Canal Zone. W.	
151447	3-26	Crenshaw	Reqt approval of estimate $600 for constructing tennis court.W Fwd Nav-- No funds available under Bu; rec be allowed. 4/22	
151475	3/25	Crenshaw	Fwds bills	808
151634	4-45	Washn	Cariable condensers taken by Dr Austin to Darien; reqt authority to mfg 5 to take place of. W.	
151702	4-7	Crenshaw	Antennae adjusted; sags110' Recommends be stretched 10 days before final adjustment. W	

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851 CAIMITO: RADIO:

Number.	Date.	From or To—	Subject.	
151924	4/9 4-9	From Dr. Austin R To Colon. (R)	Reqt information given below.W Arlington will send same wavelength from 5 to 5.30 pm for 3 days commencing 10th.W	
151867	3/23	War Dept	Fwds bills for work done	808
152248	4-1	Crenshaw	16 HP kerosene engine; reports on operation.W To--(R)If engine unsuitable; report basis for rejection. 4/26	
152282	4-14	Austin,	Reports on results of test with Arlington.W To Colon-(R) Schedule lasting 4 days wave length 6 thousans 75 hundred,10 thous will commence April 17th. 4/16	
152288	3-30	Austin, Dr	Reports on ditto	
152362	4-7	Crenshaw	Submits proposed changes receiving circuits.W	
152369	4-7	Crenshaw	Station grounds; reqt authority to employ foreman and gang laborers to clear up.W Fwd Dept--Rec employment be auth. 4/22 RB 4/27 Crenshaw reqt action 4-23 To--(R) Dept requires statement proposed rates pay for. 4/26 Fwd Dept--5/10	
152546	4-17	Austin R	Reports on results of test with Arlington.W To--(R) Fuller due arrive 18th. 4/17	
152778	4/2 0	Crenshaw R	Fuller arrived; reqt M Is, Honolulu arrange testing schedule.W To M.Is--(R) Gives schedule. 4/20 RB 5/5 Fwd Dept--Re non receipt of radio at M.Is.5/6RB 7/10	
152822	4/7	War Dept	Fwds bills	808
153041	4/10	Panama Canal	Estimate for installing lightning protection	808

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CAIMITO: RADIO

1915

Number.	Date.	From or To—	Subject.	
148960	3-6	Crenshaw R	Dr. Austin arrived: all material here except antennae yoke and hoists.W To NY-(R) Asks if material has been delivered; asks probable date shipment. 3/8 NY-(R) Will ship 3/10/ 3/12 To-- (R) Will ship Mch. 10/ 2/13	
149191	3-9	D&D	Additional tie rods will involve additional cost of $3,000; have authorized.W To-- Comments on. 3/12	
149479	3-12	Dr. Austin R	Suggests test signals from Tuckerton, Arlington and San Diego. W To M.Is--R Desire San Diego send test schedule to Darien station. 3/12 To Colon (R)Arlington reqtd to send for test 3/12	
149570	3-13	De Austin R	Reports hearing Arlington, Eilvese, and Nauen.W	
149684	3-13	M.Is	Will commence test schedule Tuesday Necessary to install additional antennae inductance.W To Colon--(R) Gives schedule test. 3/15	
149600	3/2	War Dept	Fwds Panama Bills for work done	808
149756	3/15	Dr. Austin R	Intercepted instrns to San Diego to start schedule 7 P.M., Pacific time; recommends be changed to 4 P.M., Washington time.W To M.Is-(R)Desired conduct schedule between 1 & 2 pm Pacific time. 3/16	

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CIMI) CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.	
150046	3-17	Navgn	Fwds specns of transmitting clocks for time service. Quotes price.W	
150169	3-20	Crenshaw R	Radien tests; reports on; reqt number of head telephones. W. To--(R) Set Balwdin phones shipped today.3/20 To S&A-- Reqt for shipment. 3/20	
150170	3-20	Austin, Dr. R	Reports on Arlington, Tuckerton and San Diego; not heard; asks if Guantanamo using arc. W. To Colon-(R) Arc set Guan not yet in operation. 3/20	
150353	3-23	Crenashw R	Tube hoists and antennae yokes arrivd; will hoist Apr 1; asks when Federal engineer will arrive; reports on test.W To--When do you expect Darien ready begin transmitting. 3/23	
		To--Fed Tel Co--(R) Asks if intend having reprentative present.3/23		
150338	3/11	Y&D	Status of work up to Feb. 28th	808
150447	3-24	Crenshaw R	Beale left Isthmus; Jan 28; recommends company send engineer Apr 1. W	
150545	3-25	Dr Austin	Arlington readable; Tuckerton weak; San Diego none; reqt Tuckerton send on arc schedule. W To Tuck-(R)Gives Darien call letter.3/25 To Tuck-(R)Gives schedule. 3/25	
150738	3-16	Crenshaw	Submits estimate for construc5ting laborers barracks,etc.W	

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CAIMITO: RADIO 1915

Number.	Date.	From or To—	Subject.	
145795	1-29	Crenshaw R	Ready for receiving tests now; ready for sending set Apr 1 with certain exceptions.	W
145919	1-30	Y&D 1948	Secondary transformers; fwds letter from Acting Inspector Panama Canal asking time of delivery. W. Fwd S&A-- 2/2 Fwd Y&D-- 3/1	
146006	1-28	Housmann, F.N.	Asks name of Federal Tel Co. Supt. W. To--Gives address of . 2/3	
146076	2-1	Y&D 1848	Supporting cables for antennae ; print. W To Crenshaw--Gives modifications in antenna suspension. 2/8	
146470	1-28	Crenshaw	Fwds voucher No 4 in favor of Federal Tel Co. K	
146569	2/6	Locke Insulator Co	Will furnish yokes for cable strings on insulators in parallel; fwds print and offers to supply for Darien	911
146691	2-5	S&A	Canal bills for work at, & Colon, Balboa. W Retd Via Y&D & M&S-- Fwds. 2/25	
147251	2/4	Inspector at Colon (Y&D)	Reports status of work Jan. 31	808
147170;	2-13	To NY.	Reqt jars and racks be shipped to Darien. W To Caimito--Notifies of shipment of. 2/13 To S&A-- Reqt for shipment. 2/13	

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/CAIMITO:RADIO. 851

Number.	Date.	From or To—	Subject.
147221	2-5	Crenshaw	~~Reports~~-e Recommends erection of building for elec light stowage, laborers barracks, quarters for married operator, etc. W.
	Fwd Y&D--Appvs estimates. 4/13		Fwd Y&D-- For estimates on. 2/16 rp 2 26 To--Y&D reqtd to est on work. 2/16 Fwd Y&D--Comments on est of Y&D and that on Canal Zone. 3/29 RB 4/6
147347	2-16	Crenshaw	Gives list of ultra audions, etc. available for use of Dr Austin at Darien. W To--(C) Asks amount material on hand. 2/15
147460	2/17	Crenshaw R	Antennae insulator not arrived; reqt date hoisting motors left NY. W. To--(R) Shipped 17th. 2/19
147494	2-17	To Wash.	Reqt five variable condensers be prepared for shipment to Darien. W To S&A--Reqt for shipment. 2/18
147495	2-17	To Hydro Office.	Reqt be informed of the distance between Darien and certain other stations. W Hydro gives distances 2-20
147735	2-19	To NY.	Have directed shipment of 36 insulators and 8 connectors to be shipped to Darien; asks what steamer the electric hoists can be shipped on. W To S&A-- Reqt for shipment. 2/19 Pitts shipped 2-27 Fwd NY-- 3/4 rb812
147831	2-20	Crenshaw R	Can rig pendant for insulators; reqt shipment be expedited. W
147911	2-20	NYgA Feb 17. W	Reports shipment of insulators and connectors
148303	2-19	Crenshaw	Reqt By make reqn for sterilizer. W Fwd Y&D--Reqn reqn be prepared. 3/2 Y&D Incinerator; fwds reqn 5-28

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CAIMITO: RADIO

Number.	Date.	From or To—	Subject.	
137753	10-10	Crenshaw	& BALBOA: Colon;understand lightning switches will be shipped complete from NY; also req details of grounding switch to be installed at Darien.W	
137992	10/26	S&A	Fwds invoices from Panama Canal; asks appro chargeable	808
138267	10-30	Solicitor	Fwds copy of Executive order establishing reservation and prints of same.W Fwd Hydro Office-- 11/16	
138366	10-23	Crenshaw	Voucher No 3 in favor of Fed Tel Co. Fwds.	K
21084	?	Pitts	Milling machine for Darien; fwds motor test sheets	629
139199	11-10	To S&A	Reqt shipment of radio material from Wash Yd to Canal Zone. W	
140100	11-20	Y&D	Radio towers; re insulation of.W Fwd Y&D-- Comments / 11/23	
140192	11-21	Y&D	Reports actual weight of towers results in increased contract price of $401. W Fwd Dept-- 11/23 Fwd Y&D--12/2	
141261	12-4	Crenshaw	Reqt Bureau purchase safe for.W Fwd S&A--Reqt be furnished. 12/10	
141262	12-4	Crenshaw	Reqt 14' wherry.W. Fwd C&R-- Rec appvl. 12/5	

N.S.E. Form 134.

CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.	
~~141298~~	~~12-3~~	~~Great Lakes Train Sta~~		
142979	12-15	Crenshaw	Fwds bills	808
		1915		
143998	12-31	Crenshaw	Proposed scheme for time service. W Fwd Nav--For comment and rec. 1/11 rb1	25
143999	12-30	Crenshaw	& BALBOA: bills for furniture. W Fwd S&A-- Appvs. 1/21	
144001	12-30	Crenshaw	Equipment required for time service. W. Fwd Nav-- For comment and rec. 1/12 rb1	26
143668	1-16	Crenshaw R	When will hoist motor for towers arrive. W To--(R)Should arrive end of Jan. 1/16	
145214	1-21	Y&D	Fwds progress photos; also for one for Colon. W	
22205	1/18	Carlin, & Sons, Thos.	Hoists; reqt information on renewable composition linings for shaft bearings	629
145597	1-26	To Colon. (R)	Keep Bu informed weekly progress work at Darien; when do you estimate ready for test; desire order Dr. Austin to be present two weeks prior to opening W	
145794 VOID	1-29	GE T	Generator ready for shipment; asks if motor starter shall be shipped Tucerton or Arlington. W.	

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[OVER.]

CAIMITO: RADIO

1914

Number.	Date.	From or To—	Subject.
133116	8-26	Y&D	Elec hoist for towers; fwds reqn.W
133115	8-27	Y&D 10730	& COLON: BALBOA: fwds report of Civil Engr Cook on status of work with photographs.W To Insp Pitts-- Fwds photos. 8/31 Fb 9 26
133374	8-20 8-24	Fed Tel Co. Crenshaw	Voucher No. 1; comments on bill.K To Y&D-- Fwds bill for preparation of voucher. 9/1 To -- Instructions. 9/3
133480	8-24	Crenshaw	COLON; lists expenditures and recommends that all previous authorizations be cancelled and lists submitted approved 808
133663	9-3	S&A	States voucher in favor of Fed Tel Co. was forwarded without certificate; recommends certificate be prepared and signed by an officer o bureau to save time. K
134059	9-9	Y&D 1948	Fwds original and memo copy of voucher No.2 for signature of company; Fed Tel Co. K To Fed Tel Co-- For certification. 9/10 Fed Co returns vouchers certified 8-14
134500	9-9	Crenshaw	Submits place for supplying current to operate station pending installation of generators. W. To-- Appvd. 10/3
134548	9-9	Crenshaw	Ground plan; fwds proposed W

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N.S.E. Form 134.

CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.
134827	9-18 9-19	Panama Canal Y&D	Reqt Bu representative be detailed to Isthmus in connection with, immediately.W To Crenshaw-- (R) Confer with C.E.Cooke re inspection of material. 9/19 To Y&D-- Informs Grenshaw has been detailed for duty. 9/21
134814	9-19	To Crenshaw.	Fwds information in connection with inspection of material under Y&D contract 1948. S
135653	9-30	Y&D	Reqt board be appointed to determine increased cost for additional sway rods to towers.W Fwd Dept-- 10/3 RB 10 8 app d Fwd Y&D-- 10/8
136100	9-12 10-5	Panama Canal Y&D	Elec distribution system; fwds proposed plan.W Fwd Y&D-- Comments. 10/12
136273	10-7	Crenshaw R	Reqt early approval of proposed grounding system.W To-- (R) Appvd with modi. 10/8
136487	10-9	Y&D 10730	& COLON & BALBOA. reports progress of work.W
136828	10-3	North Western Elec Equipt Co.	Reqt further inforamtion re radio panel required.W Fwd Y&D-- For rec. 10/15 rb 10 20 To--Comments· 10/23
137126	10-16	Y&D 10730	Fwds print of site. W.
137749	10-17	Crenshaw	Steel for towers; submits itemized list of defects.W Fwd Pitts-- For comment· 10/27 rb 11 13

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CAIMITO: RADIO.

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Number.	Date.	From or To—	Subject.	
130540	7-16 7-17 7-22	War Dept Dept Supt Radio	Fwds ckpy of proposed executive order setting aside ~~aerea~~ area of land for Darien for Naval Radio station.W To War Dept(Secy's sig.)Ack.7/23. Ret Dept.7/23.	
130910	7/25	Y&D	Fwds photos showing progress of work	808
130947	7/27 (R)to NY.defer shipment of wire.8/5 Fwd S&A.8/18.	To Canal Zone & S&A	Ground system; request shipment of 100,000 ft.#10 soft copper wire and 250 ft.strip copper.Bureau will not prepare detail plans of system; request rough sketch of tentative lay-out.W Crenshaw (T) 100,000' wire on hand 8-5 To S&A.request shipment be deferred.8/5 rb 8 18 NY (T) shipped June 13 8-5	
131254	7-30 Fwd Pitts-- 10/6 rb 10 22	Y&D 1948	Material for towers; contact surfaces were not painted before assembly; rust has already taken place in joints.S Fwd Pitts.for comment.8/3. rb 8 15 Ret---reqst Civil Engr make specific report.8/20. rb 10 5	
131337	7-13	War Dept.	COLON & - bills for services	808
131439	7-27	Fed Tel Co	30 kw arc sets; fwds plan. W.	
131440	7-27	Fed Tel Co	Fwds palsn of arc sets. W	
131731	?	Canal Record	Descrip ion of building of 600' towers.W.	
131698	7-27	War Dept.	Fwds. bills.	808

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CAMITO: RADIO 851

Number.	Date.	From or To—	Subject.	
131789	8-5	Solicitor 21393-182	Executive order setting aside land for use of Radio station. W Fwd Dept. request prints be obtained from Canal Commission. 8/10.	
132082	7-8 8-11	M. Is Y&D	Fwds report of material shipped. W.	
132470	8-6	Crenshaw	Reqt quarterly allotment for small repair jobs. W To---appd 8/18.	
132468	8-8	Crenshaw	Porto Bello withdraws recomd. to move building to	831
132598	8-13 8-14	Toledo Bridge & Crane Co Pitts	Company comments on report of Civil Engineer on steel work; states criticism not based on specns under which material was manufactured. W. S Fwd Y&D 8/20 8 31 Fwd Pitts--8/31 rb 9 18	
132657	8/20	To Federal Telegraph Co.	Forwards voucher No. 1, covering contract 1948-B for radio apparatus, for certification and return. K Fed Tel returns signed voucher 8-25	
132657	8-20	Y&D	Fwds voucher No. 1 in favor of Fed Tel Co. cont. 20719. K To-- Returns voucher. 8/31	
132712	8-14 8-20	Toledo Bridge & Crane Co Pitts	Claim that all steel parts were painted as required by specns. S Fwd Y&D--for their information and return to this Bureau 8/21 8 31 Fwd Pitts- 8/31 rb 9 18	

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CAIMITO: RADIO

1914

Number.	Date.	From or To—	Subject.
128639	6-24	Fed Tel Co.	R.R.Beale authorized to certify as to correctness and non-payment of all vouchers for.W To---Ack.--To Canal Zone.Fwds copy.-- Fwds S&A.7/1.
128779	6-29	GE	Wireless material for; fwds test reports on motors. SW
128826	7-2	Crenshaw R	Boat house to be erected at; boats invoiced to Colon; will transfer charge.W
128906	7-2	Fed Tel Co T	South City & Honolulu; unable to test Sunday. W
129124	6-30 p	Fed Tel Co	Fwds schedule of prices for power equipt.W To---satisfactory.7/9 To Canal Zone. fwds copy.7/9
129276	6-12 7-6	Fed Tel Co. Dept 26816-18	Reqt extension time. W Fwd Dept.rec modification of contract.7/8
129634	7-11	Fed Tel Co	Reley key and Poulsen-Federal arc; fwds photos. W
129658	7-3	M.Is 6915	Reports inspection of material.W TO S&A lists material inspected and shipped 7-15
129530	7/11	To Federal Tel.Co. R	Sunday schedule; same as for June 28th.7/W

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CAIMITO: RADIOM851

Number.	Date.	From or To—	Subject.
129704	7-7	Fed Tel Co.	Darien & 30 kw set contract; reqt/ clearing up of certain poings re motor generators, transmitting apparatus; especially chpper for Darien. W To---comments.7/21. To Canal Zone.fwds copy of letter of 21st.7/23.
129706	7-11	Solicitor 26816-E.18	Supplemental contract dated June 11, 1914 Fwds 6 copies.W To Canal Zone.fwds copy.7/14.
130072	7/16	Federal Tel.Co. T	Reports on Arlington test July 12th.W (T)to---report 12th Inst7/17
130168	7-7 7-17	War Dept Dept	Reports appt of Major E.Russell,Signal Corps; as representative to confer with Navy re radio stations Panama Canal Zone.W Ret Dept.with letter for Secy's sig.7/20.
130437	7-16	Fed Tel Co.	Reqt use of insulating materials other than those specified in cont be approved.W To--7/29 To Canal Zone--fwds copy of letter sent to Fed Tel Co 7/29 (T)to---expedite instrns operation 30kw arc sets 8/8
sent 8-10		Fed Tel Co lists prints	
130548	7-22	Y&D	Steel work for towers; fwds supplementary report from Civil Engineer Cook; stating that condition of material would warrant its complete rejection. WS Fwd Pitts.7/24. Fwd Y&D.8/20. Fwd Pitts-- 8/31
130539	7-22	Fed Tel Co T	South City can test full power Sunday; suggests schedule. W (T)to---Ack. /7/23.

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CAIMITO: RADIO.

1914

Number.	Date.	From or To—	Subject.
127228	6/12	Y&D	Darien; fwds photographs showing progress.W
127341	6/13	S&A	Fwds Panama Canal bills for service rendered.W Fwd Y&D 6/15
127498	6/5	GE T	Darien; material being furnished by GE Co. has been boxed ready for shipment for two months but not presentable for inspection. Desire to ship from NY June 20th. Will require three weeks to unbox and inspect. Recommends certified copies of test records be accepted.W To (T) shipment authorized; inspection after delivery; fwd certified copies test records 6/16
127504	6/8	Crenshaw	Requests authority to built boathouse.W (R)to---Asks if to be erected at Darien or Colon.6/17 Fwd Y&D.7/3.rb 88
127517	6/3	Crenshaw	Darien; fwds bill for supplies.W Fwd S&A.appd.6/17.
127663	6/12	Fed Tel Co	Neither South City nor Honolulu able to test June 14th; New Orleans and Great Lakes ask point of delivery power machinery for 30 kw sets.W (Confirmation of a telegram not received) (T)to---accept delivery at NY yard.6/17.
127690	6/12	Federal Tel.Co.	Darien; Fwds copy of letter addressed to Secy of Navy requesting that date of contract be changed from June 17 to some time in Sept. Equipment inspected by Lt-Comdr Sweet as being shipped on steamer sailing June 20th; G.E. instructed to ship. Resident inspector will leave June 16th.W

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CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.	
127791	6/19	Federal Tel.Co. T	Engr R.R.Beal sailed for Panama June 16th; South City and Honolulu unable test Sunday.W	
127880	6/12	Crenshaw	Darien; requests seeds and plants for improving ground.W To Radio Officer, Canal Zone, etc.---6/22	
127912	6/19 Retd---6/24	Y&D	States material delivered by Federal Tel. Co. has been stored at Mt Hope.W To Fed Tel Co--material stored at Mt. Hope; not subject to storage charges; awaits removal orders from your representative on the Isthmus 6/24	
128022	6/22	Y&D	Darien; steel work for towers; reports on inspection of.W To Pitts.fwds paper.6/30. Pitts returns Y&D complaint with statement from Asst Inspr M.I.Creely that structural work first class job etc. 7-8 To---fwds copy Pitt's letter.7/10.	
128038	6/12 6/20	War Dept. S&A	Darien, etc; fwds bills Canal Com.for miscellaneous supplies.W Fwd S&A via Y&D 6/23 rb 6 26 Ret S&A.6/29.	
128067	6/18 Fed Co. print quoted shows contour; 7-16	Federal Tel.Co.	Darien; request additional plans of power-house.W To---6/24 Fed Tel Co. drawing 3535 should be lay-out of conduit for power house; 6-30 Fwd Y&D.7/8 rb 7 10 To---Bu has no other print.7/11	
128125	6/16	Crenshaw	Fwdsbill for electric current	808
128422	6/26	Federal Tel.Co. T	Requests schedule for Sunday Honolulu and San Francisco.W (T)to---gives schedule.6/27.	
128616	6-24 6-29	War Dept Dept	Panama Canal Zone; reqt data on Darien, and other stations to be erected by Navy in connection with Coast Defense System. W To War Dept (Secy's sig.)gives data.7/2.	

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CAIMITO: RADIO. 1914

Number.	Date.	From or To—	Subject.	
126485	6/5	Federal Tel.Co. T	DARIEN: requests instructions relative to shipment of material in order to meet date of completion of towers in Sept. Asks how much time will be required for partial payments on deliveries made before shipment as compared with payment after delivery at Darien.W To—6/5	
126486	5/29	Federal Tel·Co· T	Schedule arrangement for May 30th.W	
126430	6/3	To Fed Tel Co T	Results test last Sunday.W	
126546	6/4	Y&D	Darien: request Federal Tel.Co.send representative in order to settle details affecting contract in Panama Canal force(?).W Retd.6/6	
126675	6/6	Federal Tel.Co. T	Schedule for Sunday W	
126752	6/6	Y&D	Darien: fwds print showing details of antenna and supporting cable.W	
126551	6/6	To GE	Y&D contract 1948-B, wireless outfit for Darien, instructions re inspection.SW	
126673	6/6	To Mare Island	Instructions reinspection of material for Darien radio station.W	851

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CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.
126680	6/6	To Fed Tel Co	Bu. closed on Sun days, telegrams sent from San Fran re tests with Arlington likely not to receive attention until following Monday; when inconvenient to telegraph before Saturday, direct to Arlington station, which is continuously open.W
126859	6/8	Federal Tel.Co.	Gives data re tests held June 7th.W
126860	6/8	Federal Tel.Co. T	Apparatus at our factory Palo Alto should be inspected this week in order to allow time for boxing and shipping by steamer sailing June 20th. W (T)to---results of test 7th. 6/9. (T) To M.Is.instructions re paspection.6/9.
126919	6/3	Federal Tel.Co.	Darien; discusses grounding switch, insulators, delay on towers; anchor bolts. Recommends sending one of their arc operators to Arlington during tests.W To Y&D 6/10 To - replies 6-18
127046	6/10	Federal Tel.Co. T	Darien; Lieut.Comdr.Sweet will inspect apparatus June 11th. Requests he be awarded instructions to inspect 30-kw set also.W To (T) 6/11 To Sweet (T)--inspect 6/11 To M.I.6/14 M.Is reqt copy of cont 7-30 To M.Is.fwds copy of contract.6/11.
127171	6/11	Federal Tel.Co. T	First 30-kw arc set ready; shall be shipped to Washn yard.W To (T)--earliest shipment desired 6/12

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CAIMITO: RADIO. 1914

Number.	Date.	From or To—	Subject.	
124875	5/14	Federal Tel.Co. T	Reports on test South City May 10th.W To--prefer separate receiving sets 5/14 (T)	
125036	5/16	Federal Tel.Co.	Will meet Schedule Sunday.W	
125162	5-18	TO Fed Tel Co	Reports on results May 17. W	
125249	5/19	Federal Tel.Co. T	Reports on test South City, Honolulu.W To (T)--Drwgs Darien trnasfer switch fwded; can supply Bost & Guantanamo using mercury rectifier 5/21 To--5/21	
125352	5/20	Y&D	Asks if the motors at are Star or Delta connected.W TO -- (T) asks 5-22	
125405	5/16	Federal Tel.Co.	Encloses schedule of prices for complete radio equipment.W Fwd Dept 5-22	
125529	5/22	Federal Tel.Co. T	Schedule for next Sunday.W TO (T) 5-25	
125567	5/22	Colon	Fwds bills	808
125635	5/23	NY 3335-35	Darien; submits estimate for manufacturing aerial, antenna, etc.W Fwd Dept 5-25 To--6/6	

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CAIMITO: RADIO. 851

1914

Number.	Date.	From or To—	Subject.
125682	5/19	Fwderal Tec.Co	Darien; antenna and wave changing switches; fwds photographs.W
125717	5/25	Federal Tel.Co. T	Results of tests May 24th.W TO -- satis 5-27
125719	5/25	Federal Tel.Co. T	Darien; requests inspection of radio equipment San Francisco in order to make shipment, steamer sailing June 2d; also requests payments be expedited.W (T)to---suggests ship apparatus now ready to Darien and collect partial payment.5/29.
125720	5/25	Federal Tel.Co. T	Darien; all motors Delta connected.W TO Y&D 5-26
125790	5/25	Y&D 10730	DARIEN; recommends authority to expend $1200 for concrete storehouse; submits plan.W Fwd Dept.negst auth.to proceed with constrn.5/28. Fwd Y&D 6/6
125020	5/20 5/27	War Dept. S&A	Submits bill for clearing ground.W Ret S&A via Y&D.5/29.
126259	6/2	Fed.Tel.Co. T	Results Sunday test Point Loma, South City, Honolulu.W

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CAIMITO: RADIO

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Number.	Date.	From or To—	Subject.
123549	4-21 4-27	Panama Canal Y&D	States storage of Fed Tel Co. material may entail additional charges.W (T)to Fed T.Co.advising; asks what procedure desired.4/30. Ret Y&D.rec storing at Darien.5/6.
123777	4/24 4/30	Engineering News Dept.	Towers for; requests drawing,spcfns,etc.W Fwd Y&D.5/1.
123800	4/30	To Fed.T.Co.	Instructions for Sunday (May 3d) schedule.W
123859	4-27 4-30	War Dept Dept	Furniture available for purchase from Canal commission; quotes report from Army board shoing quality price,etc. W Ret Dept.no more furniture for Darien is required.5/2.
123881	5-1	Fed Tel Co T	Summerizes deliveries; quotes amount which they believe should be paid them in advance.W To---comments; suggests communicate with Dept direct re payment.5/2. Fwd Dept.5/2
123880	5-1	Fed Tel Co T	South City and Honolulu test; schedule of.W
124000	5-2	Y&Dv 1948	Fwds print showing actual location of power house, sewer and water lines,etc.W To Fed T.Co.fwds print.5/4.
124010	4-25	Crenshaw	Reports receiving goods from Fed Tel Co. on cont. Recommends be held at a Navy Yard in US; partial payment made to contr.W

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CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.
124137	5/5	To Colon & Ord.	Colon & Balboa recns 5 and 7 for arms and ammunition disapproved; request Ord. furnish. W Crenshaw; revolvers from Army originally intended as loan; now desire transfer permanent; 4-28 To Crenshaw. instructions. 5/7.
124421	?	Fed Tel Co	Schedule for South City and Honolulu. W To---gives results of test 3d inst. 5/9
124530	5-9	Fed Tel Co T	Will follow schedule suggested May 10. W
124646	5-11	Y&D 1948	Reqt authority for overseers Penn Bridge Co to occupy operators quarters. W Ret---no objection. 5/12.
124802	5/5 5/6	Fed T&T. Co. Mare Is.	Quotes telegrams to and from Bureau relative to the storing of material on the Isthmus. W To Fed Tel Co 5/15
124785	5/13	Fed Tel. Co. T	Requests permission to put both receiving sets in one cabinet. W
~~124782~~			
124782	5/13	To Fed Tel Co T	Results of test South City and Honolulu. W

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CAIMITO: RADIO

1914

Number.	Date.	From or To—	Subject.
121808	4-1	Fed Tel Co	Reqt authority for R.R.Beale in charge of installation to certify bills. W To Y&D Fwds copy of Bd on Chgs.4/9 RB 5 7 Fwd S&A.for information.4/9. TO Crenshaw cont 1948-B fwds copies of bd on changes and instruns re paymt 5-28 Crenshaw 6/9 rets letter.W
110797		SEE CARD 4	TO Fwd Solicitor. Reqst prepare supplemental agreement.4/8. RB 5 28 Fwd Dept 6/1
122211	4-3	Y&D	Fwds print showing arrgt of porcelain insulators for towers.W
122331	4-13	Fed Tel Co T	Reports results obtained South City and Honolulu.W (T)to---gives results Apr.12th. 4/14.
122343	4-10 4-11	Marine Crps S&A	Fwds bills for furnithre transferred by Marine Corps to Chief Elecn Quarters.W Ret S&A.4/14.
122483	4-11	Fed Tel Co T	Arrangements for test Apr 12.W
122571	4-14 4-6	NY 3335-5 Crenshaw	List of articles required for.W To Colon.purchase of 2 chairs auth.4/16 Fwd NY.4/16
122581	4-2	Crenshaw	Reqt authority hire laborer at $1.25. W To---reqn should be submitted.4/17.
122722	4-7	Fed Tel Co	Fwds photo showing helix and method of ~~grounding~~ mounting wave changing antennae switch. W To---comments.4/18.
122721	4-9 4-16	Fed Tel Co Dept	Reqt cont be changed to call for completion at date approx completion of towers; also that payment be allowed on delivery of power equipt at some point to be specified by Dept; suggests Brook and M. Is. W (R)to Crenshaw asks if can store material.4/17 Crenshaw 4/25 R. advises as to storage facilities.W
Fwd Dept.with recommendations.5/2. RB 5 28			

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CAIMITO: RADIO 851

Number.	Date.	From or To—	Subject.
122760	4-17	Fed Tel Co T	Asks if they are to furnish plate glass window and Govn to furnish ground switch gear on roof; summerizes South City test. W (T)to---understanding correct.4/18 To-- Req further information. 4/20
122733	4/17	To Crenshaw	Equipment for chief electrician's quarters; impratical to cancel items 6, 11, 16, 54 on recon #2 (changed to #4). W&R
122883	4-18	Y&D 10730	Power house; machinery foundations:b/p.W To Fed.Tel.Co.-- Fwd.information 4/20 Fed Tel Co fwds photos of 100 kw arc 4-28
122956	4/20	Y&D 10730-28	Fwds copy of letter to Isthmian Canal Com. giving definition of line dividing work to be performed by the Federal Telegraph Co. and the Commission.W
123034	4/21	Y&D	Fwds Isthmian Canal Commission's bills for work on.W Fwd S&A.appd·4/24·
123086	4/17	Fed Telegraph Co.	Change in distance between power house and operating house. Information received too late, cable already shipped.W To--excess material doubtless otherwise used 4/23 To Colon--instructions 4/23
123342	4/25	Fed T.& T.Co.	South Sea, Honolulu, will fill regular schedule on Sunday.W (T)to---Arlington unable to send or receive 26th.4/25.
123464	4-14	Panama Canal	Recommends erection of residence for radio officer.W Fwd Dept via Y&D.rec appr.4/29. RR 5/7 appd To Colon via---appd.5/8. Fwd Y&D.5/8

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CAIMITO: RADIO

Number.	Date.	From or To—	Subject.
120408	3-20	Fed Tel Co	Neither Honolulu or South City will be able to have test Sunday. W
120460	3-20	Y&D	Fwds revised print of operating building showing changes to accommodate latest layout of apparatus. W To Federal Tel.Co.Fwds Y&D prints of operating building.3/21
120664	3-24	Fed Tel Co T	Reqt shipping instructions for second radio apparatus. W (T)to---will send report later; gives shipping instructions.3/25. (T)to---reports for 15th.Suggest same schedule next Sunday.3/26.
120808	3-26	Crenshaw T	Ice box at Camp Elliot not suitable; reqt authority to secure one from Quartermaster Depot. W (R)to---appd.3/26.
120954	3-17	Fed Tel Co T	South City and Honolulu unable to meet schedule Mar 29. W
121101	3-25	Fed Tel Co	Comments on plans operating building, access to toilet in dangerous location, antennae entrance. W Fwd Y&D.comments.3/30. RB 49 To---changes made.4/9.

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CAIMITO: RADIO: 851

Number.	Date.	From or To—	Subject.
121362	3-23	Crenshaw	Reqt Bu. prepare requisition for light duty power launch, and 33' motor sailing launch; reqt instructions re shipping old non-powered boats used at Colón. W
121416	4-3	Fed Tel Co T	South City can meet any test schedule 5int. W (T)to---gives schedule.4/3.
121548	4-5	Fed Tel Co T	Honolulu unable to meet schedule Sunday. W
121658	4-6	Fed Tel Co T	Gives reasons for failing to meet schedule; recommends re-arrgt.W (T)to---gives results test 5th inst.4/7.
121659	4-2 4-6	War Dept Y&D	Reqt that radio stations on Isthmus buy furniture not required by Canal Com.W Fwd Dept.rec appr.4/7 E 4 10 app d To Colón.instructions.4/10.
121708	4/7	To NY	Darien sta; Antenna plans, fwds; instructions re cutting, tagging and mfr of different parts.W To Canal Zone.fwds prints.4/7. To---Bu desires to substitute non-corrosive metal for galv.steel for various parts.5/5
121815	4-6	Y&D 1948	Reduction in length of power cable from power house to operating building.W To Federal Tel Co.final appd distance 265 feet.4/8 To---Company advised.4/8
121828	3-14 3226	NY Crenshaw	Blocks required for. W Fwd NY.4/8

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CAIMITO: RADIO

1914

Number.	Date.	From or To—	Subject.
118284	2-16	Federal Tel Co	Gives specns for gas engine. W TO -- spare partswill be included 3-17
118288	2-16	Federal Tel Co	Print showing dimensions for setting foundation of gen set.W
118300	2-17	Federal Tel Co	Confirms various telegrams re test. W
118458	2-25	Fed Tel Co T	Arrgt for triangular test.W
118528	2-16	Colon	Bill for designs and surveys.W Fwd S&A via Y&D.2/26
118699	2-27	Fed Tel Co T	Reqt data on test Feb 22 and waves desired for Mch 1st. W (T)to---gives data.2/28.
118693	2/27	To Fed.Tel.Co. T	Request two addtl each dimension print machy, particularly Union gas engine.W
118888	3-2	Fed Tel Co T	Reports results of Honolulu, South City test Mch 1st; and schedule for next test.W (T)to---gives results; request same schedule next Sunday.3/3
118907	3-2	Y&D 10730	Reqt approval of site for married Chief Elecn quarters.W To---proposed site satisfactory.3/3

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N.S.E. Form 134.

CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.
119230	3/5	To C&R	Boats for; Bureau desires to provide power launch and motor sailing launch.W C&R motor boats 1302 and 1264 assigned to 3-11 Fwd Colon.4/3.
119586	3-10	Fed Tel Co	Schedule for test.W (T)to---gives results; suggestions for 15th. 3/11.
119639	3-4	Fed Tel Co.	Fwds GE Co and Union Gas Eng Co. prints.W
119720	3-3	CO	Reqt Naval Elec. Hand Book be furnished.W To---reqn should be submitted.3/13.
119770	3-12	~~Tel.~~ Fed Tel Co T	Schedule for Sunday.W (T)to---assume antenna capacity .005 for 30-kw sets.3/11.
119864	3-12	Arlington 122	& BALBOA; transfer switch; fwds print and reqt mfg at NY. W. To Y&D.Fwd NY.fwds prints. Request yard submit estimates for mfr of three.3/14 RB 4 24 To NY & Colon.NY to mfr switches.4/24.
119988	3-5	Crenshaw	Furniture for Chief Elecn House; submits list. W (R)to---transfer appd.3/16.
~~120082~~	~~3/16~~	~~To Y&D~~	Darien; Machy lay-out; fwds prints.W
119740	3/5	Marine Corps	Gives appraised value of furniture for quarters of Chief Electrician.W Fwd.Dept.rec.transfer.3/13. RB 3/20 Fwd S&A.3/20.

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[OVER.]

CALMITO: RADIO 1914

Number.	Date.	From or To—	Subject.
117208	2-2	Federal Tel Co	Summerizes telegrams re test.W
117056	2/7	To NY Tel Co.	Power tools equipment; asks what material can be supplied from yard which is not in use; gives list desired.W NY no tools available 2-11
117402	2-6	Federal Tel Co	Fwds print showing proposed plan for partition for operating house, and lay-out of apparatus.W Fwd Y&D.2/12. ~~Fed-Te~~ Y&D mateiral on ground; 6 weeks to build; a sks if original size operating house satis 2-2 To Y&D not desired to change size.2/25
117401	2-6	Federal Tel.Co	Fwds print Union Gas Eng. Co. giving dimensions for foundation of oil engine.W Fwd Y&D.2/12.
117392	2/10	To Federal Tel.Co.	Gives results of test of Feb.8th. W Suggested schedule for 15th.
117718	2-9	Fed.Tel.Co	Gas engine for; fwds specns covering.W
117719	2-9	Fed.Tel.Co.	Test between Hon and San Fran show maximum wave length 20,000 metres advisable; will increase antennae to provide for at $600.W (T)to---asks if will involve change layout.2/16
117707	2-14	Fed.Tel.Co T	Honolulu will be on 10,000 on her 11,000 period.W

N.S.E. Form 134.

CAIMETO: RADIO. 851

Number.	Date.	From or To—	Subject.
117681	2/14	To Federal Tel.Co.	Request detailed spcfns Union gas engine for inclusion report change of cost.W
117629	2-7	Fed Tel Co	Quotes from report on result long wave length wave test Honolulu. W
117822	2-16	Fed Tel Co T	Changes involved by increasinh Helix. W
117824	2-16	Fed Tel Co	Reports on Sunday test, South City, Honolulu, and Arlington, Feb 15. W (T)to---gives minimum capacity expected at Boston,Guantanamo and Point Isabel.2/18 To---re furnishing HELIX 2/18.
117868	2/17	ToFederal Tel.Co.	Gives resutls of test 15th inst. Request same schedule next Sunday.W
117959	2-19	Fed Tel Co T	South city and Honolulu tests; schedule proposed.W
118006	2-13	Fed Tel Co	Fwds sketch showing size of foundation and location of bolt holes for gen set. W Fwd Y&D.2/19
118208	2-11	Colon	Fwds bill for labor. W Fwd S&A via Y&D.2/21.
118233	2-18	NY 13651	Reqt information re certain items of equipt called for by Bu.List. W Ret---gives information.2/28. Ret---gives information.3/10.

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[OVER.]

CAIMITO: RADIO

1914

Number.	Date.	From or To—	Subject.
115792	1-23	Federal Tel Co T	Honolulu reports Arlington not audible at Daylight; can hear night.W
115793	1-23	Federal Tel Co T	Schedule for Sunday test satis.W
115879	1-17	Federal Tel Co	Fwds data taken at South City during test made on Jan 11, Dec 28; Honolulu not equipped with 120 kw generator. W
115917	1-24	Federal Tel Co	Test of Honolulu will use 10,000 metres; unable Arlington to communicate South City mornings; recommends discontinuing. W (T)to---No signals heard Sunday; discontinue all schedules except Sunday.1/26
116393	1-30	Federal Tel Co T	Gives schedule for Feb 1st.W
116389	1/30	To Federal Tel.Co. T	Asks if will test on 1st February; request schedule.W
116483	2-1	Federal Tel Co T	Delay in making final arrgt for operating and power house due to forwarding to Hawaii for Mr. Fuller comments.W
116635	2-2	Federal Tel Co T	Honolulu unable to meet schedule on account of antennae. W ~~Pitt~~- Fed Co. confirms 2-11

N.S.E. Form 134.

CAIMITO: RADIO. 851

Number.	Date.	From or To—	Subject.
116871	1-31	Federal Tel Co.	Gives reasons for not carrying out test of Jan 25.W
116813	2-4	Federal Tel Co T	Recommends maximum wave length be raised 15 or 20,000.W. (T)to---instructions.2/5
116890	2/5	To NY & Y&D.	Gives list of furniture for Darien station and requests be obtained on annual Y&D contract; directs NY submit recn.W To NY charge equipment to "Eq.of Vessels"-S.E. 2/6 To Y&D.chargeable to EofV.2/6 Y&D fwds copy of orders with Wannamaker and Snellenberg, for furniture. 2-7
117004	2/6	To NY	Fwds list of equipment required for Darien station; request material be assembled at yard for early shipment.W
117008	2/6	Federal Tel.Co. T	Schedule from South City Sunday the 8th.W
117005	2/6	Federal Tel.Co. T To Y&D fwds prints.2/16	Reports forwarding certain blueprints for gas engine,etc.W Fwd Y&D.for information.2/7 (T)to---expedite prints 14-kw motor gen and generator.2/14.
117238	2-9	Federal Tel Co T	Reports results of test with South City, and Arlington.W.
117239	2-10	Federal Tel Co T	GE Co. print for motor generator may be used for setting of foundations and placing of anchor bolts.W Fwd Y&D.2/11

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CAIMITO: RADIO (DARIEN)

Number.	Date.	From or To—	Subject.
114264	1-3	Y&D 10730-17	House for chief elecn; reports arrgts made with Isth. Can.Com. W
114440	1-8	Federal Tel Co	Gives schedules for test 11th inst.W
114436	1-7	Federal Tel Co. T	Desire to arrange schedule South City and Arlington for Jan 11; W (T)to---arranged.1/8
114544	1-9	Federal Tel Co	Reqt authority to substitute Union gas engine for Fairbanks-Morse.W (T)to---appd provided no inc.cost.1/10.
114590	1-5	Federal Tel Co	Summerizes telegrams and corres relative to test with Arlington and Honolulu. W
114617	1/10	Federal Tel.Co. T	Asks if Arlington can receive 10,000 meter waves; may want to try that wave length Sunday at Honolulu.W (T)to---can receive 10,000.1/10.
114623	1/10	Federal Tel.Co. T	Requests arrange tests same periods Honolulu 12th.W (T)to---gives information.1/12 To---Fwds copy of report of communications with South City station Dec 22d to 31st.1/12
114835	1-13	Crenshaw R	Reqt authority secure furniture for Chief Elecn from Post Quartermaster.W (R)to---will rec transfer furniture Darien from Camp Elliott upon receipt of letter giving inventory.1/13. Crenshaw: (R) outlines method of surveying furnisture 1-17 (T)to---will be given preference; will await recn.1/19

N.S.E. Form 134.

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CAIMITO: RADIO (DARIEN) 851

Number.	Date.	From or To—	Subject.
115026	1-1	Colon	Fwds bills. W To S&A via Y&D.Fwds bills for settlement. 1/17 Fwd S&A.appd.1/17
115174	1-16	Federal Tel Co T	Schedule for test, Arlington, South City, & Honolulu. W (T)to---schedule test 18th received.1/17
115245	1-12	Federal Tel Co	Summerizes test arrangements. W
115286	1-17	Federal Tel Co	Submits schedule.W
115489	1/20	To Federal Tel.Co.T	Schedule too short for comparing receiving apparatus; suggestions for future Sundays.W
115491	1/20	To Federal Tel.Co.	Fwds copy of report on tests between Arlington and South City and Honolulu stations on 18th inst.W
115670	1/22	To Federal Tel.Co.	Power house; forwards approved machinery layout.W
115787	1/23	To Federal Tel.Co.	Power house; machy foundations; asks if prints received are to be accepted as sufficient for Bu.to proceed with installation. Requests prints of foundationas and anchor bolts.W

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CAIMITO: RADIO (DARIEN) 1913

Number.	Date.	From or To—	Subject.
112491	12-11	Federal Tel Co T	South City gave Arlington good test last night 7,000 meters; did not hear Arlington; gives wave lengths preferred by Honolulu for test. W (T)to---gives status of test.12/15.
112956	12-11	Federal Tel Co	Reports successful test apparatus between South City Station and Arlington. W (T)to--and letter to---Received one schedule with ticker and audion amplifier and two with ticker alone.12/26
112993	12-5	Caimito	Bill for work done by Isth. Com. W To S&A v aa Y&D.fwds bills appd.12/18 Fwd S&A.appd.12/18
113131	12-3	Federal Tel Co	Tests South City & Arlington; asks Bu to explain reason for signals changing from weak to strong with no change in current.W
113318	12-17	Federal Tel.Co.	Reqt. number of operators to be quartered at plant in connection with making plans for operating house.W (T)to---directs sketch in req.arrgt on Y&D prints and fwd to Bu.12/24 To---gives addtl information.12/26/
113319	12-17	Federal Tel Co	Gives overall dimensions of gen sets.W
113481	12-20	Federal Tel Co	Submits list of spares for motor generator set.W To---will rec inclusion of spares.12/27.
113541	12-18	Federal Tel Co	Lay-out operating house; fwds print.W (T)to---print fwd was of transfer switch. 12/27.

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CAIMITO: RADIO 851

Number.	Date.	From or To—	Subject.	
113631	12/27	To Federal Telegraph Co.	Arrangements made fof Sunday test 4 to 7 p.m. Instructions.W To---gives results.12/29.	
113784	12-22	Federal Tel Co	Relative to tests between Arlington and South City.W	
113793	12-22	Federal Tel Co	Fwds print giving overall dimensions motor generators sets from GE Co. W Fwd Y&D.for information.1/9	
110987	12/22	To Dept	Returned via Y&D with statement re amount expended on station, connection with Estimates for ratio stations.	604
113944	12-26	Federal Tel Co	14 kw motor generator set; fwds prints.W Fwd Y&D.for information.1/9 To Y&D.fwds print.2/18	
113892	12-30	Y&D 10730-9	Copy of letter addressed to Isthmian Canal Comission re out door sub stations.S	
		1914		
114169	1-5	Y&D 1948	Reqt number of contract be changed to 1948-A in lieu of B. W	
114170	1-5	Y&D 1948	Reqt contract ith Federal Tel Co. be changed from 1948 to 1948-D. W	

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CAIMITO: RADIO: (DARIEN) 1913

Number.	Date.	From or To—	Subject.
107504	10-9	Federal Tel. Co.	Chief Engineer Fuller will leave for East within week to discus questions cu.W (T)to---& letter to---comments.10/10. To Dept.fwds papers.10/11. Dept.10/17/Fwds copy letter to Co. with regard to time of completion of work, and ret.enclosures.W
108239	10-18	Federal Tel.Co. T	Fuller will arrive Washn before Nov.1; reqt. Bureau wire Elwell's offer of cooperation.W (T)to---10/21.
108794	10-26	Federal Tel.Co.	Representative will arrive Washn Nov.1st.W
109359	10-30	Federal Tel Co	Quotes letter to Secy giving time of completion as 8 months from date of contract i.e. June 17, 1914. W
109916	11-10	TO Sweet, LtComdr T Letter	Information about by mail. W Gives information re proposed change in equipment of motor-generator. R.B.11/14
110524	11-8	Caimento Ret Y&D.reqst Officer in Charge be infor.1/2	Recommends purchase from Canal Zone of wooden house for quarters for married Chief Elecn.W Fwd Dept via Y&D.request auth.to purchase.12/8 RB 12 31 (R)to---appd.12/31
110797	11-19	Federal Tel Co Fwd Hepburn, Sparrow, Wright.appointed Bd.11/29 RB 3 30 Fwd Dept.3/30 RB 4	Suggested changes from apparatus called for by original contract; recommendations based on results in Honolulu and San Francisco Sta.W Fwd Dept.request appr of modification.11/22 RB 11 28 change contract auth.11/28. CARD 11
110917	11-19 11-20	Y&D Dept	Change in contract 1948 Penn Bridge Co to provide for insulating base of towers.W Ret Dept.request action be delayed pending further report.11/22 RB 19 Fwd Dept.1/13

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CAIMITO: (DARIEN) 851

Number.	Date.	From or To—	Subject.
111528	11-29	Federal Tel Co T	Will mail letter re changes in motor generators and switchboard; suggestions for resuming night and day schedule at Arlington.W (T)to---letter on changes mailed today. Rel.to night and day schedules.12/1.
111615	12-1	Federal Tel Co T	Gives understanding re size of generator and motor generator; reqt. confirmation.W (T)to---confirms understanding.12/2
111868	11-24	Caimito	Reqn for furniture for quarters.W To---reqn disappd; others substituted.2/4 Crenshaw reqt copy of reqn 3-3 To Colon.fwds papers.3/13.RB 4 21
111978	12-5	Federal Tel Co T	Cannot test daylight Sat or Sun. W
111980	12-4	Y&D 10730	Fwds print showing revised location of bldgs.W
112248	12-8	Dickenson, J. Crucible Co	Towers; asks what kind of paint specified.W Fwd Y&D.12/9.
112383	12-5	Federal Tel Co.	Summerizes previous corres and telegrams; fwds specns covering power house machy. W
112224	12-9	Federal Tel Co. T	South City will send 7,000 meters to-night. W
112399	12-10	Y&D 10730-14	Have directed "commission" to retain original location of power house; fwds revised location plans. W

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[OVER.]

CAIMITO: RADIO. (Called DARIEN Sta in 97242) 1913

Number.	Date.	From or To—	Subject.	
100117	6/23	To Y&D	Insulation of towers; request plans and estimates of cost for work.W RB 7-7 To---plan satisfactory.7/9.	
100272	6/25	To Federal Telegraph Co.	Power house; forwards sketch plan of machy layout for; request detailed foundation drawings of apparatus to be supplied.W	
100697	6-23	Federal Tel.Co.	Towers for; gives reasons why same must be insulated.W	
100991	7-7	Y&D 1948	Fwds copy of contract Penn Bridge Co. for steel towers.W	
101114	7/9	To Y&D	Darien radio station; returns plans.W	
101503	7-8	Caimito	Bill for surveying site.W Fwd S&A.appd.7/16.	
101816	7/11	Colon	aALLOTMENTS: submits amounts per quarter.	602
102165	7-23	Y&D 1948	Fwds copy of contract with Federal Tel.Co.W	

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CAIMITO: 851

Number.	Date.	From or To—	Subject.
102636	7-23	Caimito	Fwds copy of Canal Record giving description of high power elec. transmission line across isthmus running in vicinity of radio station.W
102662	7-30	Caimito R	Understands Canal Com. to build buildings; reqt. prints,etc.W To Y&D.request copy of contract 1948, and copy of plans and spcfns of bldgs,etc.8/1 Y&D fwds copy of contract with Federal Tel Co. 8-4 To Canal Zone·Fwds copy of contract·Copies plans and spcfns in possession of Canal Comm.8/6 To Y&D.8/6
104419	8-23	Isthmian Can Com	Fwds copy of letter from Radio Elec. Co. requesting opportunity to bid on.W. To Radio Elec·Co.of Canada; contracts already awarded·8/27.
104581	8-26 8-28	Radio Elec.Co of Canada Supt Radio	Reqt. specns covering.W
104757	8-25	Federal Tel Co	States present 100 kw arc set contemplated will require 1000 volts, D-C. W To -- not interested unless gives increased antennae current; recom. Mr Fuller call 9-2 (T) To- re conference 9/30 Will reply (T) 10/2
104797	8-25 9-2	Radio Elec.Co. of Canada Supt Radio	Reqt. opportunity to bid on. W.
105112	8-20 9-2	Kane, R.E. War Dept	Asks who will furnish apparatus.W to - gives infor. 9-8

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CAIMITO: RADIO. (Called DARIEN Sta in 97242)

Number.	Date.	From or To—	Subject.
95119	4/12 4/16	August Mietz Y&D	Asks if Mietz & Weiss oil engine will be acceptable.W To--4/18 August Mietz 4/19 reqst further information re engine.W To--submit alternate bid 4/22 To A.Mietz:opening of bids postponed May 10th 4/26
95459	4/21	P.C.Kullman & Co.	Requests information re bids for station.W To-- 4/22
96359	5/1 5/3	Nat'l Elec.Sig.Co. Y&D	Brown Hoisting Co.requests postponement of opening of bids to June 2d.W Fwd Dept. comment 5/3 RB 5-6
96879	5/6	August Mietz	Mietz & Weiss engines; fwds description of those bid on.W To---comment.5/9.
96985	5/5	James C.Koehl	Requests copy of specifications, also address of Federal Co.W To---obtain from Y&D.5/10.
97242	5-14	Y&D 1948 Fwd Dept.rec contract be executed.6/7.	Fwds summary of bids; will ask for Supplemental opening on towers.W Fwd Dept. recommendations 5/14 Dept awardmade to Federal Tel.Co. Fwds copy of letter. 5-20 Ret---5/27. RB 6-8
97255	5-10	Nat. E.Sig.Co.	Confidential statement for information of Bureau of SE/ in connection with bids. W
97254	5-12	Federal Tele.Co.	Asks if award made.W. (T)- To-Beach Thompson- 5/14

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CAIMITO: RADIO 851

Number.	Date.	From or To—	Subject.
97829	5-21	Mietz, Aug.	Asks if type engine decided upon.W To---Award made to Federal Tel.Co.5/23.
97870	5-21	Nat.Elec.Sig.Co.	Asks who received award.W. To---gives information.5/23.
98107	5-23	Mietz, Aug.	Proposals for equipping station with Mietz oil engine. W. To---cannot consider bid.5/26.
98340	5-28	Journal of N.U.S.R. Art.	Reqt. confirmation of award to Federal Tel.Co. W. To- -gives data./5/31.
98641	5-31 6-3	Foos Gas Eng.Co. Y&D	Asks what action taken on their proposal on oil engines submitted to Federal Tel.Co.W To Co.contract has been awarded for engine.6/4.
98671	5-29	Federal Telegraph Co.	Fwds code words which they will use in quoting on self supporting towers,steel.W
99240	6-10	Y&D 1948	Towers: fwds bids and recommends acceptance of Penn Bridge Co. W. Fwd Dept.concurs with rec of Y&D.6/12.
99719	6-17	Y&D 1948	Have awarded contract Penn Bridge Co. for towers.W

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[OVER.]

CAIMITO 851

LONG DISTANCE or HIGH POWER STATION, PANAMA.

1913

Number.	Date.	From or To—	Subject.	
67318	4/14	Clark	(COLON) reports on site for erection of station in PANAMA.	808
88649	1/21	Federal Tel. Co.	High powered station, Isthmus, submits specfs. containing proposition for installing 100 kw set with approx. cost.	~~808~~ 851
74890	8/2	To Dept	Provision of appro. bill for erection of stations, Recommends only two stations be proceeded with.	604
91310	2/27	Y&D	High-powered station CANAL zone, method of requesting proposals for construction of towers, etc. which come under Y&D, requests that specfs be so drawn that one bidder may secure contract for work under both Bureaus	~~808~~ 851
87464	1/12	Clark,G.H.	Makes report on site for H.P. station	876
91883	3/6	Y&D	High power radio station, fwds copy of proposed specfs, for towers, also copy of advertisement.	808
92091	3/8	Y&D	High power station, fwds report and recommendations Civil Engineer Carlson.	~~808~~ 851
92556	3/14	Nat. Elec. Sig. Co.	H.P. station, reqt opportunity to bid on	808
93662	3/29	To AtlanticCom.Co.	Specfs 1948 for H.P.radio station to be erected in PANAMA, comments	808
92412	3/11	Marconi Co.	Reqt specfs, etc so as to bid	~~808~~ 851

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CAIMITO
N.S.E. Form 134.

LONG DISTANCE or Hight power station, PANAMA.

Number.	Date.	From or To—	Subject.	
93867	4/1	To John W.Griggs	Ack. receipt of letter of Mar.25th in connection with radio station to be erected.	808
94055	4/3	Hepburn, Lt. Comdr	Reply to protest of Atlantic Communication and Marconi Companies in connection with specfs for equipment.	808
94379	4/4	Nat.Elec.Sig.Co.	H.P.Station, reqt time of opening bids be postponed	~~808~~ 851
94524	4/3	Nat.Elec.Sig Co.	H.P.Station, reqt be notified date of hearing in connection with specfs for.	808
94573	4/9	Milliken Bros.	Reqt postponement of opening of bids.	808
94572	4/9	Marconi Co.	H.P. station, reqt opening of bids be postponed one month.	808
94783	4/9	Marconi Co.	H.P. station, takes further exception to specfs and gives reasons for desiring extension of time for making bid	~~808~~ 851
94504	4/10	To Federal Telegraph Co	Opening of bids for high power station in reqt be deferred until May 3d.	808

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[OVER.]

CAPE COD RADIO

Number.	Date.	From or To—	Subject.	
587279	9/26	To Boston (T)	Report stating Cape Cod apparatus secured not understood details requested W Boston 9/29 W.	
594155	11/3	Y&D	Copy of letter to Boston asking if available balance from allotments is necessary in conn with work on crew's quarters to be done by yard labor. W.	
558026	4/9 4/15	Boston Y&D	Recommendations covering disposition of 1032 buildings at abandoned radio stations, North Truro and South Wellfleet-Fds photos. W	

Number.	Date.	From or To—	Subject.	

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1919

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CAPE COD; RADIO

Number.	Date.	From or To—		Subject.	
449658	10;6	Y&D		North Truro Compass Station completed 1;1 with saving from amt allotted. W ~~To-Com-Returned.-10;27-~~	
465246	12/23	Boston	9.9-23	North Truro Radio Sta- Quarterly inspection report	W
466023	12/26	1st Dist	9.9-23	North Truro Station- Quarterly inspection report. Fwd Communications. 12-31	W.
474651	2/7	1st Dist	Copy	Sleet carried away one half of antenna at Cape Cod.	W.
478717	2/27	Boston		Quarterly inspection report, North Truro Radio station	W
491899	5/5	Boston		North Truro -Quarterly inspection report.	W.
507795	7;26	Boston	copy	Report of damage to North Truro station by lightning.W. Boston 8/4 W. To Boston. auth special allowance 8-12	

4—3381

[OVER.]

CAPE COD RADIO STATION

Number.	Date.	From or To—	Subject.	
509904	8/4	Boston	Quarterly inspection report. W.	
528631	11/10	Boston Copy	Station out of commission due to engine trouble. W.	
529088	11/11 VOID -	Cavite Copy error	Report on total of operating expenses; request maintenance allotment be increased. WK	
535168	12/15	Boston	Quarterly inspection report. W.	
538661	1/5	Boston	Gives positions of relocated compass station Cape Cod. W.	
548635	2/25	Boston	Quarterly inspection report. W.	
556523	3/4 3/9	1st Dist. Communications.	Siasconsett, North Truro Stations- discrepancies of ; Chatham, Commissioning of; Morse Circuit- G-63, extension of.	W.1031
583666	9/1	Boston	Quarterly inspection report. W. To Boston Quarterly Inspection report 9/8 Boston- Recommends engine be sold as junk. 5/5 W To Boston survey authd 5/17	

4—3381

CAPE COD: RADIO.

Number.	Date.	From or To—	Subject.	
401998	3-14	To S&A	Request shipt of one radio from Washington to Siaconsett Phila 5/27- Confms phone convsn re shpmt of 12 KW battery charging unit to Siascomset-	
403919	3;18	Boston	Fwds req of North Truro Station for filing cabinets. To Boston requ disapproved 3-20	W
406382	3;25 3;28	1st Dist Com	Quarterly inspection report of Cape Cod Radio Station. fwd Boston 3-31 RB 4;9	W
411948	4;15	Boston	Conf tel conversation req authority to issue battery to North Truro from stock held for destroyers. Boston - 4;17 To Boston- sanctions use of E verready type batteries in case of emergency 4-23	W

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1019

Number.	Date.	From or To—	Subject.	
4 423130	5;31 6;6	1st Dist Com	Quarterly inspection report North Truro Station. fwd Boston via Nav Commun 7/8 RB 7;28	W
436405	1;6	Boston	Insprs report North Truro Sta.	W
437015	8;1	Boston	Eds sample report of callibration of North Truro Compass Station. W	
Boston 118	8/4	Fwd S&A	Approves placing award fro screens for stations North Truro to F. A. Days & Sons. W	
449569	10;4 10;6	1st Dist Com	Quarterly inspec report North Truro Station. To Boston-Fwd 10;8 RB 10;22 To Com-Returned 10;27	

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[OVER.]

CAPE COD: RADIO

Number.	Date.	From or To—	Subject.	
343981	8;7 8;15	Chatham Com.	Comments on, sug changes. W	
367440	11-13	To Narraganset	Re quarterly inspection report of Radio Sta Siasconset Mass W To Marconi Co- confirms phone conversation 3-8	
359951	8/5	3rd Dist. Boston	Oct 17 Submits report on construction of radio station at Turie.	882
382549	1;3	1st Dist	Req authority to withdraw from stores from Boston for North Turro one 2 kw transm. W To 1st Dist-Authorized 1-8	
386827	1;16 1;18	First Dist Com	Submits inspec report of NorthTurroStation, W	
401180	3;6	Boston	Sub rep of repairs to Storage bat Serv Sta fwd Bost n 3-12	WL

4—3381

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10 9

CAPE COD: RADIO

Number.	Date.	From or To—	Subject.	
387330	1;14 1;20	1st Dist Boston	Fwds quarterly inspection report of of North Truro Station, W	
389052	1;25	1st Dist	Req annual allowence North Truro station be increased to $2,000 To 1st Dist-Asks reasons for above 1-28 1st Dist 1;28 back 2;6 To 1st Dist Above rqst made to meet maintenance expenses of sta during present fiscal year 2-8	
390484	1;30	Y &D	Gives latitude and longitude of North Truro. To Director Nav Communication- Fwd copy of Y&D ltr 1/30 re above - 2-8	
396696	2;18	1st Dist	Batteries be overhauled. To 1st Dist- re shipment of one std Navy medium wave receiver - present receiver will be retained at North Truro Sta for emergency use after receipt 2-26	W
398583	3-3	To S&A	Reqst shipment from Washn to Cape Cod one med wave radio receiver contract 38271 with Wireless Co-	

4—3381

[OVER.]

802

Number.	Date.	From or To—	Subject.	
266124	1/8	To Naval Com	Recommendations re Radio Station North Truro and needs for Radio Coastal Stations.	803
367740	3;14	Marconi Co	Old Number	
276730	2/9	To F. Lowenstein	VOID.	
290672	3-19	Boston	Cape Cod annual allowance - submits recommendations. W Fwd Bost—3/21	
300714	4/8	1st dis	~~Copy~~ Quarterly inspection-fwds report. W	
312153	4/11 5/28	Distr. Communications Supt Bost Bost	Fwds report of inspection of Naval Radio Station, Cape Cod - W To NY- in re above-- allots- $400- 6-3 To Bost- in re above- 6-7 To NY- in re mistake of referring allotment of Cape Cod to NY- 6-7 To NY 5/30 R B 6/6 To Y&D Encl. Requis. is fwd. for action. 6/26	
316112	6/12	Marine Corps	Recmnds provide closed lockers for enlisted men of marine corps on duty at Highland Light Radio Station. W To Boston. Reqts. recomm. & estimates for suitable lockers for marine detachment at this sta. W30 6/17 Boston - Recommends that descriptive outline be furnished . W 6;22 To Boston Allots $175. for lockers for Marine D.6/28	

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CAPE COD: RADIO

Number.	Date.	From or To—	Subject.	
324144	6;30 7;6	1st Dist Boston	Submits report of inspection of radio steam at Portsmouth Truro, Mass W	
324460	6;30 7;8	First Dist Naval Com.	Submits report of radio inspection radio station North Truro.	
324413	7;7	Department	Repairs to North Truro Mass station, fwds copy of Yards & Docks letter advising of allotment covering. W	
332758	8/3	To S&A	Reqts. shipt. of radio apparatus from Wash. to Cape Cod for Rad/ Sta. W	
339981	8;7 8;15	Chat Navy Com	Comments on, Sug changes. W	

4—3381 [OVER.]

1917

CAPE COD: RADIO.

Number.	Date.	From or To—	Subject.
231720	6-1	Bost	Maintenance allowance and outline of radio work for 1918 and 1919.W
233877	6/13	Bost	Change in location of proposed chief petty officers' quarters; fwds print.W Fwd Y&D--6/16 RB 6/19
236802	7-3	Y&Dp	Has authorized installation of ~~fuel~~ sewer and electril service to radio quarters.W
236837	7-3	Bost Dist/ Supt	Reqt disposition of Belini-Tosi direction finder.W
237298	6/26	Bost Dist Supt	Report inspection.W
244220	8/16	Y&D	Relative to allotment for additional work to CPO quarters.W
245953	8/21 8/27	Bost S&A	North Truro, Mass;asks if satisfactory to furnish C.P.O. china ware.W Fwd S&A--8/29
246096	8/24	Bost	Cape Cod; inspection; fwds report.W

N.S.E. Form 134.

CAPE COD. 802

Number.	Date.	From or To—	Subject.
247958	8/23	Bost	Fwds report of inspection·W To via 1st Dist--Gives action.9/15
249943	9/18	Navgn VOID	Request decision be made as to proposed course at MIT for men enrolled in Nav Res Flying Corps for inspection duty.A&DA
249944	9/17	Bost	Quarters: recommends be extended for Marine ~~Corps.W~~ guard.W
250105	9/18	Bost	States tents used by marine guard destroyed; recommends quarters be supplied; confirms telephone call.W Fwd Y&D--9/24 RB 9/27
254086	9/21 10/9	Marine Corps, Boston ~~Marine Corps~~ Headquarters	North Truro; reports on marine detachment at; recommends more suitable·W Fwd--10/11
264217	11/30	To Bost T	Reqt specific infor re report of North Truro being out of commission. W Boston--12/1.
267690	12/15	Dist Supt Boston	Request pump be transferred to Station.W Fwd Y&D--12/20 RB 12-26
268319	12-14	Bost Com Supt	Fwds report of inspection·W Fwd Nav Com--12/22 To Bost--12/24 RB 1/4 Fwd Y&D--4/15 RB 4-19 Fwd Com S upt Bost--4/22 R B 5/1

NB—0120

[OVER.]

CAPE COD: RADIO.

1916

Number.	Date.	From or To—	Subject.	
183856	4/3	Bost	Masts; estimate for erecting or dead men.W To--Appvs. 4/11	
184162	4-7	At Coast Supt	Quarterly inspection.W Fwd BostFor rec and estimates. 4/15 RB 5/5 To Bost--Appvs estimates. 5/16	
184038	4/6	Dist S upt, Bost	Asks if should not be furnished with audion amplifier	898
185331	4-18	Bost	Relocation of mast; fwds tracing.W.	
185347	4-15	Bost	Inspection of buildin s.W Fwd Y&D--Reqt estimates to remedy defects in. 4/24 RB 5/27 Fwd Y&D-- 6/2 Y&D returns corres 6-5	
186053	4-25	Bost	Estimate for manufacturing table for direction finder.W. To-- Appvs. 4/29	
186572	4/26	NY	Radio set received from North Truro will be expressed Washington Yd Apr. 28th.W	
191119	6/14	Bost Supt	Reqt disposition of material no longer required.W To S&A--(2) Reqt for shipment. 6/20	
191121	6/16	A tl C oast R adio Supt	Quarterly inspection; fwds report.W Fwd Bost--For comment. 6/20 RB 6/30 ~~Fwd~~ To Bost--Gives action on. 7/8	

NB—0120

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CAPE COD: RADIO 802

Number.	Date.	From or To—	Subject.
199720	9-7 9-16	Bost Supt Bost	Report of inspecton; submits estimate for work recommended.W To--Appvs estimate 9/20
204412	11-2	Clark,	Sisconsett; reports breakdown station. W
209852	12-22	Bost Supt	Copy of inspection.W
		1917	
216905	3/20	To Bost	NSE 25-B and Bu records differ. Reqt further information. W RB 4-14
218928	3-20	Bost	Lists apparatus for installation; re commends new transmitting set.W
221565	3-26	Bost	States quarters radio station inadequate; request tents be supplied for marines.W To--Reqt further comment and rec.4/11
224794	4/24	Bost Supt	Report of inspection W To Bost--Appvs repairs. 5/1
231319	6/1	To S&A	Reqt shipt of trans set from NY to Bost. W To Bos.Request thatnyou have Radio transmittin set del immediately to Cape Cdi Sta 12/18

NB—0120

[OVER.]

CAPE COD: RADIO:

Number.	Date.	From or To—	Subject.
159790	7-7	To Bost.	Report of progress of work on radio direction finding apparatus; reqt outline and status of. W Bost 7-12
162806	8/3	Bost	Quarterly report inspection .W To--If necessary install steel stays to replade hemp stays. 8/10
163150	8-11	To Boston	Wave changer for ex BROOKLYN
165623	9-9	Bost	Estimate for installing wave changer ex-BROOKLYN. To--Appvs est.9/14 To S&A--Reqt shipment wave changer.9/14 To S&A--Reqt shipment wave changer to Bost. 11/5
172213	11-22	Bost Supt	Reports recei t of Marconi wave changer with certain parts short.W To Via Bost--Do not contemplate supplying.11/26
172399	11-24	Supt Bost	Report of inspection.W
172621	11-27	Bost	Cape; Cod; estimate for permanent installation of Bellini Tosi direction finder.W To--Appvs. 12/2
173625	12/10	Bost	Bellini-Tosi direction finder; reports on.W
173966	12-13	Supt Bost	Reqt rotary spark gap for.W To S&A--Reqt shipment of from NY. 12/18

N.S.E. Form 134.

CAPE COD: 802

Number.	Date.	From or To—	Subject.	
173978	12-13	Supt Bost	Inventory of property. W	
174713	12/22	Bost	Fwds inspection report and submits estimate for installing Marconi quenched gap spark. W To--Authorizes. 12/29	
175050	12-30	To Bost.	North Tnuro - direction finder; directs further tests with a view to ascertaining accuracy for determining direction of passing ships. W	
			1916	
176626	1-12	Supt Bost	Relative to test direction finder. W Fwd Dept--Rec TBDS be detailed to Bost for use in test; also reqt Chadbourne be detailed for use in test. 1/25 RB 2/2 Fwd Bost-- 2/5 RB 2/9	
177616	1-29	To Bost.	Bost Survey 651-M; re items surveyed to be replaced. W Bost replies 2-5 To Bost--Instrns re replacements of articles. 3/1	
179546	2-19	To Atl Flt.	Fwds copy Notice to Mariners in which announcements is made of opening of Naval Radio Direction Finder Station; reqt naval ships avail themselves of this sation and report be made as to value of. W	
180365	3-3	To S&A.	Reqt shipment of radio receiving set to Bost for Cape Cod. W Fwd Bost--Have reqtd shipment of. 3/4	
180649	2/29	Dist Supt Bost	Report of test of Bellini-Tose direction finder conducted in connection with Cape Cod Station	898

NB—0120

[OVER.]

CAPE COD: RADIO.

1914

Number.	Date.	From or To—	Subject.	
127275	6/8	Bost.	Report of inspection.W	
128238	6/18	Bost. 6154	Artesian well; recommends question of repairing well taken up with Lighthouse bureau.W To Dept:rec obtain water from well on adjacent Light-House property.6/26. Fwd Dept.7/9	
130161	7/16 7/17	DEPT of Commerce Dept.	Cape Cod Lighthouse; states impracticable to enter into agreement with Lighthouse Reservation for supplying water; not sufficient water in the well.W Fwd Dept.7/23.	
131134	7-29	Y&D	Towers at Chelsea, Mass; fwds location plan. W	
134883	9-10	Bost	Report of inspection.W.	
139968	11-18	Bost Sunday Post	Reqt description of apparatus for helping ships in fog.W. To--has not yet reached stage where public anouncement may be made 11/20	
141640	12-9	To Bost.	Have reqtd shipment of Bellini-Tose apparatus; reqt estimates for installation.W To S&A--Reqt shipment. 12/9	
142175	12-12	Bost	Report of inspection	

N.S.E. Form 134.

CAPE COD: RADIO

1915

Number.	Date.	From or To—	Subject.
146263	2-3	Bost R	Rect authority to send Chadbourne in connection with installing Bellini-Tosi set. W
147225	1-26 2-4 2-13	Bost BY Bost	Recommends issue of variable condenser for use with Bellini-Tosi direction finder. W
149517	3-11	Bost	Estimate for repairing Bellini-Tosi installation at. W To-- Appvs. 3/15
150527	3-23	Bost	Quarterly inspection.W
151219	3-26	Bost	Repots on condition of embankments. W Fwd Y&D-- For comment. 4/3 RB 4/6 Fwd Dept--Rec be retd to Bost for detailed comment. 4/9 RB 4/26 Fwd Dept-- 4/27
153389	4/27	Bu Light Houses	Rwqt status of proposed experimental plants 812
154586	5-9	Bost	Out of commission Mon and Tues on account of repairs.W
157999	6-14 6-15	Dept Commerce Dept	Asks what Navy desires to be done to prevent undermining of guy of radio mast; expense to be borne by Navy Dept.W Fwd Y&D-- Comments on. 7/16 To Bost--Reqt rec re arranging mast. 2/28-16
158253	6-16	Bost	Quarterly report of inspection.W

NB—0120

[OVER.]

CAPE COD: RADIO

1913

Number.	Date.	From or To—	Subject.	
104965	8-28	Bost 13	Reports inspection.W. Fwd Sup.Radio re return of wave meter to Cape Cod. 9/6	
105149	9-2	Bost	Placed in commission 9-5. W	
106099	9-19	Bost	Submits estimate for repairs to buildings. W To-- appd 9/22	
107732	10-10	Bost	Proposed extension storage battery room.W Ret---approving recommendations.10/14	RB 11 10
107762	10/13	To Bost.	Bost.reqn.243 for detector stand type 1-P-76; request explanation as to why necessary to purchase.W&R Bost.10/15. gives detailed explanation of reqn.243 for wireless material.W	
112625	12-10	Bost	Report of inspection.W To---& S&A.request shipment of Stone receiver to Washn. Estimates in Par.7 appd.12/15. Bost.5/16.reqt wave meter be returned from NY yard.W Fwd NY VIA S&A 5-18	
		1914		
114386	12-13	Bd Insp. For Shore Sta	Report of inspection; fwds. W	
116995	2/6	To Bost	Telefunken compass outfit to be shipped from NY to Boston, reqt.estimates for installation at Cape Cod. Guy Hill detailed in connection with.	535--2

N.S.E. Form 134.

CAPE COD: RADIO: 802

Number.	Date.	From or To—	Subject.	
118853	2-27	Bost	Sub Inspector Hill reports insufficient room for installing Telefunken Compass outfit.W To---outfit should not be unboxed.3/3 To NY request rec. for installing at Fire Island.3/3. NY will report 10 days 3-9 To NY reqst rec. Fire Island.4/13	BELOW
119098	? 3-2	Hill, Guy Bost 6154-2	Installation of Telefunken compass; will require more land to make satis installation.W TO Bost no further steps 3-17 will possibly install Bellini-Tosi 3-17	
120690	3-23	Bost	Copy of report of inspection.W. To---& S&A Request shipment from NY to Cape Cod of Hartman & Braun hot-wire ammeter. 3/25.	
120979	3-23	Bost	Report of inspection. W	
122273	4-7	Bost	Reports on erosion of cliff; fwds b/p. W	
118855	ABOVE	ABOVE	To Bost, S&A—reqt shipment from Bost to NY of Telefunken radio compass outfit 6/3	
126864	4/12 6/6	Bost. Washn.	Wave meter for; fwds corres.re shipment of; mislaid by clerk. Meter has not been shipped.W To N.Y. via S&A shipping insts 6-9 Ret. Wash. insts. 6-9 ret. S&A 9-9	rb 9 8
126913	6/4	NY	FIRE ISLAND; understands Telefunken compass is to be installed at, in lieu of at Cape Cod	812

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[OVER.]

CAPE COD: W.T.STATION: 1912

Number.	Date.	From or To—	Subject.	
66187	4-10 4-12	Commerce & Labor Dpt 12479-493-2	Reports oil house used by Wireless in bad condition; submits estimate for repairs; Navy to pay for same.W To Bost.repairs appd.4/16. Ret Dept.with letter prepared for sig.for C&L.4/16.	
66752	4-17	Boston	Reqt.instructions re making cadmium test storage battery. W Fwd NY.reqst print be fwd.4/27. RB 5-6	
67414	4/25	Associated Press	& BOSTON: fwds commendatory letter of thanks for service rendered by Boston and Cape Cod Sta. during previous winter.	843
68594	5-10	Bost	Report of inspection. W To---approves painting of buildings and masts; etc.5/13.	
68866	5-14	Bost 3001-4	Repairs to oil house; recommends work be done by Yard force; in lieu of C&L. W To---appd.5/18. Fwd Dept.Rec appr.5/18.	
69019	5-15	Bost 3730	Estimate for fitting slate roof. W	
77947	9-10	Bost	Quarterly report.W.	
79525	10-2 10-3	Cape Cod Bost	Reqt. typewriter and bicycle. W To Bost. Reqt.requisition be prepared for bicycle. Typewriter not necessary 10/8	

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CAPE COD RADIO. 802

Number.	Date.	From or To—	Subject.
83517	11-22	Bost	Report of inspection. W
86663	12-26	Bost	Description, fwds. W.
			1913
87958	1-?	Cape Cod	Estimates for arr. for hoisting colors. W Fwd Bost. Erection of flag pole not appd. 1/21.
90420	2/4	Bost.	Radio; report of installation. W To---repairs appd as listed. 2/17. Bost reqt. specific allotment 2-19
90489	2/6	Bost. 6154	Recommends long distance telephone for. W To---Reqst submit recn. 2/19.
91274	2/25	Bost.	Fwds inspection report. W
94532	4-5	Bost 13	Inspection; fwds. W. To---Instructions re completing work. 4/10 To---request status of work. 5/15.
98263	5-23	Bost	Reports on status of work. W
98489	5/28	Bost.	Fwds inspection report. W
104375	8-22	Bost	Report of inspection. W To---issue of addtl fire extinguishing apparatus, and sheet iron cowl authorized. 8/27.

NB—0120

[OVER.]

CAPE COD W.T. Station

FILE No.		From or To— (Dated)	Subject.
34039	1/19 3/14	Cape Cod Boston 91	Reports cost of material for repairing 2 hydro carbon lamps. W
35376	3/10 3/31	Cape Cod Bost 2280	Repairs to hot wire ammeter. W.
35386	4/3	Bost 127	Quarterly report of inspectionW.
43699	7/10	Bost 356	Quarterly report inspection. W
56336	12/12	Bost. 738	Report of inspection.W To---Directs furnish instruments as rec. in paragraphs 4 and 6.1/13. 1912
59348	1/12	Bost	Reports inspection. W.
59349	1/20	Bost	Have requested GSK to make requisitions for volt and ammeters and testing instruments.W
65536	4-2	Bost	Report of inspection.W
66098	4-9	Dept	Not fitted with apparatus for conducting Cadmium test storage batteries.W Fwd Bost. for compliance.4/12. RB 5-8

NB—0120

CAPE ELIZABETH changed to PORTLAND

1912

Number.	Date.	From or To—	Subject.	
			1913	

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Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

CAPE FEAR, N. C. (C.G.)

(SEE DIRECTION FINDER STATIONS, 919-1.)

1919

Number.	Date.	From or To—	Subject.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

CHARLESTON RADIO STATION 1922

Number.	Date.	From or To—	Subject.
643112	9/25	Chasn.	Request auth to ship damaged arc chambers to Washington Yard to be welded. W. To Chasn- auths shipment cc Washn 10/4
643864	10/3	N.Y.	Copy of letter to S&A stating 100 insulators shipt to Chasn. 2/28. W. S&A- Copy action to Chasn. 10/13 W
644187	10/3	Chasn.	Quarterly inspection report. W.
644893	10/9	C&R -	Copy of letter to Chasn. stating 20' Cutter 409 sold. YW.
648090	11/9	To Chasn via S&A	Rqn for electrical motor- disappvd W
648418	11/6	To S&A 1426	Reqst shipment of rectifier from Washn to SOChasn W RB 1/4/23 W

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CHARLESTON RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
640419	11/6	To S&A 1427	Reqst shipment of rectifier from Washn to SO Key West W	
649964	11/14	Charleston	Rqsts instruction covering disposition of Simon 861 transmitter W To Chasn- Reqsts action taken 12/5 Chasn- 12/19 Rqsts allotment be made covering missing parts W Chasn. 1/3/23 Rqsts action W	
653909	12/14	Charleston	Quarterly inspection report W	

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[OVER.]

1922

CHARLESTON RADIO STATION

Number.	Date.	From or To—	Subject.	
627418	6/9	Chasn. (T)	Motor at Paris Island burned out - request auth to ship to Chasn. for repairs W S&A 6/10 Copy of action to Charleston W	
630893	6/28	Chasn.	Quarterly inspection report. W. To Chasn- rel report 7/8 Chasn- 7/13 W	
631415	7/6	Y&D	Copy of letter to Charleston allotting $76 for boiler & range KW	604-22
635092	7 27	Chasn. (T)	Request bur standards check wave length. W. To Charleston- Rqsts special test 8/14 W	

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CHARLESTON RADIO STATION 1922

Number.	Date.	From or To—	Subject.
635688	8 /9	To Chasn	Power for Radio Station- Reqsts Recomdn be made W Chasb- Will operate navy power plant for few months longer. 8/14 W
637209	8/8	Chasn.	Request disposition of engineering drafting records on closing of yard. D 794
637772	8/11	Chasn.	Request original assignment of radio apprs be cancelled and new instructions be issued. W To Chasn Via S&A- rel stat s of shipment cc Norf 8/29 Chasn. 9/25 W.
640015	8/30	L. D. Rubin Elec.Co.	Takes exception to Chasn. Yard interfering with local radio sets. 908 Fwds Nav Communications 9/6 W RB 9/11 W
640569	9/6	Chasn. (T)	Request 20' cutter 409 in used material account be issued to Chasn. radio station. W. rwds C&R cc Chasn 9/12

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[OVER.]

CHARLESTON RADIO STATION 1922

Number.	Date.	From or To—	Subject.
611503	2/21	6th Dist.	Fwds report showing discrepancy in radio operation by radio station at Washington. W.
611429	2;27	To Chasn T	Re dashes for wavelength measurement-failure-directs do so hereafter.W
611863	3/1	Y&D	Copy of letter to Chasn. auth paint towers at distant control station. W.
615240	3/22	Chasn.	Subm list of uncompleted radio items. W.
617098	3/30	Chasn.	Quarterly inspection report. W.
617183	4/7	To Chasn	To Chasn- Reqst inform rel comment 4/8 Chasn- Recommends set of loading coils of variometer type. 4/12 W To Chasn- Gives inform rel coil 7/13 Radio Station Chasn - Antenna failure Reqst report W Chasn- Report on antenna failure. 4/12 W

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CHARLESTON RADIO STATION 1922

Number.	Date.	From or To—	Subject.
618618	4/12	Chasn.	Request disposition of excess radio material on hand. W.
621769	5/2	Chasn.	Crack developed in 30 KW arc- ask probable dates of delivery of new chamber. W. To S&A- gives inform 5/12 S&A- Ask if desire express shipt 5/31 W. Fwds S&A 6/8
622573	5/5	Chasn.	Request make special allotment cov painting of towers. W. Y&D 11/17 Copy action to Charleston W
624297	5/22	To Chasn	Spare arc chamber WK
626836	6/6	Chasn. (T)	Obligation for arc chamber omitted in estimates savings - gives estimate. WK Charleston 6/15 T. Ask if money has been transferred W Charleston 6/19 T Not required K To Chasn (T) reqsts action 6/16

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[OVER.]

CHARLESTON RAdiO STATION 1921

Number.	Date.	From or To—	Subject.
592762	10/26	Y&D	Instln of addtl 300' tower completed with saving from allotment. W. Y&D- Copy action to Chasn. 10/26 W
593597	10;31	6th Dis copy	Arc system will be inoperative while new top mast and antenna system are being installed. W
596705	11/19	Y&D	Copy of letter to Chasn. in conn with addtl savings under allotment 1601-10 W.
596853	11/21	Y&D	Report on saving under allotment covering constrn of tower footings. W.
597548	11/21 11/26	Chasn. Y&D	Request reallotment be made cov cost of painting towers. W. Fwd Yds & Docks 12/1 Y&D-Copy action to Chasn. 12/2 W
597831	11/21	Chasn.	Request radio compass bulletins listed be furn. W. To Chasn. ReGives Action 12/10 To Phila Reqst cc of bulletin be fwded to Chasn cc Chasn 12/10 Chasn. 12/14 W

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CHARLESTON RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
599698	12/9	Y&D	~~Instln of new mast on old towers completed with saving from allotment.~~ Y&D- Copt action to Chasn. 12/9 W.	
601073	12/19	Y&D	Copy of letter to Chasn. fwding approved credit cards cov savings from allotment.	W
601812	12/14	Chasn.	Quarterly inspection report. W.	
	1922			
608787	2/3	Chasn.	Request spare parts listed for 30 KW arc be furn. W. To Chasn- Fwds photostat 2/16 Chasn. 2/23 RW.	
609489	2/13	Chasn.	(T) Request one entering insulators be shipt at once. W. To S&A Reqst shipmt of insulators from Washn to SO Chasn 9719 2/16	

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Number.	Date.	From or To—	Subject.	
565183	5/21	6th Dist. Copy	Transmitter will be out of comission 5/22 W. To Chasn 5-24 C asn. 5/27 W.	
568690	6/8	Y&D	Copy of letter to Chasn. stating allotment cov new steel pipe masts will be reduced. W.	
570671	6-23	To S&A	Reqst shipmt of wave change from Phila to Charleston W 7937 RB 9/30 W. Chasn- Ask if wave changer will be furn. 7/22 W To Chas 7/29	
573608	6;30	Chasn	Quarterly inspn report Chasn Rec Sta.W	
573609	7;1	Chasn	Quarterly inspection report Chasn Transm Sta.W	
573792	7;8	Chasn T	Reqt assign two Edison batteries to Chasn station-batteries in stock Chasn.W To Chasn- 7-12	
575397	7;1	Chasn	Fwds monthly radio report.W	
575772	7;18	Y&D	Reqt allotment of $800 covering removing paint and erecting masts.W fwd Y&D 7/23 RB 8/30 W. Y&D-Copy action to Chasn. 7/26 W. Fwd Chasn 9/2 To Y&D 8/23 RB9/14 W Fwd Yds & Docks 9/21 Charleston 9/20 W Y&D-Copy action to Chasn. 9/23 W.	

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CHARLESTON RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
577866	8-1	To S&A	Reqst shipmt of radio material from Wash to Charleston W 8359 RB 7/31/22.W S&A 6/13 Copy action to Hamp Rds W	
579572	8/4	Chasn.	Report on status of funds for radio stations in 6th Dist. W. To Chasn 8-12	
581685	8/18	Chasn.	New ground sustem -fwds prints of estimates.W To Chasn 8/25 Chasn- Fwds photos. 9/22 W. To Chasn Authd 10/12 Charleston 6/20 W	
581875	8/18	Chasn.	Ground system- fwds prints and estimate. W.	
584851	9;7	Chasn.	Rqst plans for instln of arc leadin insulators. W To Chasn no plans have been developed 9/21	
589533	9/30	Chasn.	Quarterly inspection report. W. To Chasn- Gives Action 10/12	
589800	9/30	Chasn	Quarterly inspection report. W.	

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CHARLESTON RADIO STA. 1921

Number.	Date.	From or To—	Subject.	
546480	2-18	To S&A	Rdeqst shipmt of leading coil from Washn to Chasn W	6359
547831	2/21	Communications	Ask if cutting off power at Chasn. radio station on Sunday is routine. W. fwd Chasn 2-25 RB 3-5 fwd Naval Commun 3-8	
549400	3-5	To Chasn	Comdr Hooper will visit yard on March 10th W	
550241	3/8	Communications	Request comments on improving Chasn. San Juan curcuit in conn with handling commercial traffic. W. San Juan- Copy- Able to receive Chasn. with little difficulty. 3/11 W To San Juan T 3-10 To Dir Communications 3/21	
551982	3/21	To Chasn	Reqst inform re conditions of operations W Chasn- Fwds interpretations of operating instructions. 4/1 I W. To Chasn Gives comments 4/28	
553757	3/22	Chasn.	Quarterly inspection report. W.	
554459	3/29	YD	Copy of letter to Chasn. stating approved allotment cards being fwded. W.	
554584	3/28	Chasn.	Quarterly inspection report. W.	

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CHARLESTON RADIO STATION 1921

Number.	Date.	From or To—	Subject.
556802	4/2 4/11 To Chasn 6-1	Chasn. S&A	Request two addtl typewriters be authorised for Distant controll station. W. Fwd Chasn 4/16 RB 5/2 W. fwd S&A 5-10 Chasn- Rqst addtl allotment of $500 cov typewriters. 5/18 W.
556848	4/15	To Chasn	has no record of receipt of reqn providing for conn of radio Station to city power supply as discussed with Comdr Copper-Inform reqstd as to status of project W Chasn-4;26-W To Chasn 5-13 Chasn- Report on agreement entered into. 6/3 W
Chasn117	4/12	To Comdt Chasn	Provides bicycle for Radio Inspr. W R
559511	4/19	Chasn.	Subm recommendations with estimates cov reparring old towers. W. Fwd Yds & Docks cc Chasn 4/25 RB-4;29 Fwd Yds & Docks cc Chasn 4/30
559604	4/20 4/23 Chasn. Fwds drawings. 6/20 W	Chasn. Communications To Chasn- 6/13	Request authority to draw radio telephone set from store. W. Fwd Chasn cc Dir communications 4/30 Chasn. 5/11 W To Chasn 5-26 Shipt order from Wash to Chasn 5/26 7540 RB 9/21 W
561941	5/4	Y&D	Copy of letter to Chasn. gicing instrns rel to placing new mast on old towers. W.
562312	5-9	To Comdt Charleston	Non commun with San Juan- reqst comments. W Chasn. 6/9 W Fwd Commu 6/20 RB 6/24 W
564004	5-17	To Chasn	Comments of DRMO reqstd oninspection report of DCS as regards material matters. W Chasn. 5/24- Subm ~~claims~~ comments.5/24 W

Y&D- Cannot install pipe mast during present week. 6/7 W.

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CHARLESTON RADIO STATION 1920

Number.	Date.	From or To—	Subject.
512721	8/17	Chasn.	Request one armature for Stahl commutator be furn as a spare. W. To Chasn. 8/26
514424	9-1	To S&A	Reqst shipment from Washington to Chasn radio apparatus W Canc 9/15
517027	9-15	To S&A	Reqst shipt from Boston to Chasn. W Chasn. 10/18 W
517684	9-10	Charleston	Fwds inspection report; W To Chasn. comments 9/20
519262	9/21	Chasn.	Quarterly inspection report. W.
522888	10-16	To Chasn	Reqst status of modofied antenna and ground system which will be recd upon comp of third tower Ctrans from status report. 10/29 W. To Chasn- apprvl 11-9
524994	10-23	To Chasn (T)	Ask why station need go out of com and why arc trans will be out until evening 29 no advice recd by Bu of need for interruption W.
			Norf- 1/22 W. Chasn- Rqsting inform as to nec use of Caronashield type sale. w 3/24 To Chasn apprvd 3/26
			To Chasn (T) desire it be reduced 10-25
			To Norf 2-2 421
			Chasn- Copy- Power plant shut down 10/24 for making electrical connections. 10/24 W
			6th Dist- Copy- All transmitters will be out of commission 10/26 10/22 W.
			Charleston; copy) are making temporary repairs; 10-27; W

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N.S.E. Form 134.

CHARLESTON RADIO STA.

Number.	Date.	From or To—	Subject.	
524441	10-28	To S&A	Reqst shipmt of Radio app from Washn to Charleston 4959 W.	
528143	11/8	Communications	Fwds prints showing battery platforms.	W.
528268 4	11-12	To Charleston	Reqst info if repairs have proved satisfactory W Chasn 11/18 W.	
532834	12/3	Chasn. Copy	Station will be out of commission 12/5 on account of power being off. W.	
536516	12:21	Chasn	Fwds quarterly inspection report. W	
536849	12/22	Chasn.	Quarterly inspection report. W. To Chasn Gives inform 12-29	
539862	1-14	To S&A	Reqst shipmt of insulators from Norf to Charleston W 5912 Rb 2-28	
1 540356	1/15	Chasn.	Request platform be relocated on radio tower - show prints with estimate. W To Chasn 1-25 copy Y&D Y&D--Copy of action to Chasn. 1/31 WK	
543392	1/28	Y&D	Towers at Chasn Radio Station completed with saving from allotment. KA & W	604-21

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CHARLESTON RADIO STATION

Number.	Date.	From or To—	Subject.	
484933	3/26	Chasn.	Quarterly inspection report	W.
484936	3/27	Chasn	Quarterly inspection report	W.
486422 7	4/8	Y&D	Fwds sketch showing proposed locations of 3d tower at Chash. station, wth comments To Y&D- reqst expedite award of contract for third tower 4-15 copy Cdt hasn Y&D- Copy of action to Dept. 6/12 A	W
489644	4/21 4/24	6th Dist Communications	Quarterly inspection report Fwd Chasn. 4/28 RB 6/1 W fwd Com 6-10	W
497369	6-4	To Comdt Chasn	Correction of arc wave length- W	
498299	6/5	Y&D	Request recommendations of award for allotment to finish towers. fwd Y&D 6-9	W.
498532	6/4	Chasn.	Quarterly inspection report	W.
498867	6/3	Chasn.	Quarterly inspection report	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
500437	6/19	Chasn. Copy	Station will be out of commission 6/20 - power supply under repair. W.	
500472	6/19	Y&D	Reuest addtl allotment cov over expenditure of painting mast, rigging, fence and exterior of building at Distant Control and Receiving station W. To Y&D- additional allotment $183.87 6/22	
501721	6/25	Y&D	Copy of letter to Chash. making allotment covering over expenditure involved in repairs. Y.	
505725	7-19	To Comdt Washn	Instaln of uniwave arc signalling system at Charleston Radio Station W copy Cdt Chasn To CO OHIO 11-10 shipt to CO signalling key for test -	
506971	7-26	To S&A	Reqst shipmt of signalling systems from Washington to Charleston W RB 8/13 W.	3822
480260	2/9 7/24	Chasn 27	Rqst motor generator removed from Light Vessel #94 be assigned to Chasn transm Sta Y	747-3
509765	8/4	Y&D	Request addtl allotment $850 covering increasing depth of tower foundations. W To Y&D- allotment made 8-9	
511013	8-12	To Charleston (T)	Shipt pump and motor from Washn 8/7 W for reshipt to Bar Harbor for Sea Wall. To Chasn. canc of despatch. 9/2	

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N.S.E. Form 134.

CHARLESTON: RADIO STATION

Number.	Date.	From or To—	Subject.	
458950	11/22	To S&A	Reqst shipmt from Norfolk to Charleston one Stahl rectifier W RB-1;23	
461182	11/29	Chasn	Quarterly inspection report, radio transmitting Sta. To- recs in conn with inspection report 12/5 Chasn - 12/9	W
461183	11/29	Chasn.	Quarterly inspection report, Control Receiving sta. To recs 12/5 copy DCS 6th Dis Chasn - 12/9	W
461301	12/1 12/3	Chasn. Com	To Comdt hasn- Increase allow t $6,000.copy to Y&D. 12-16 Quarterly inspection report. Fwd Commun 12/6	W
461834	12/9	To S&A	Reqst shipmt from Washington to Charleston radio apr W RB-1;23	
464312	12-22	To Y&D	Reqts expedite matter of purchasing radio towers from Cuban Government. copy to Comdt Chasn. W To Y&D 2/13 copy Cdt Chasn Y&D 2/16 To Y&D 2/18 Y&D- 2/27 To Y&D 3/5 copy Cdt Chasn	

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CHARLESTON: RADIO STATION

1920

Number.	Date.	From or To—	Subject.	
469679	1/13 1/16	6th Dist Communications	Quarterly inspection report/ Fwd Chasn. 1-19 RB-1;31 fwd Com 2/3	W.
469437	1-15	To Chasn (T)	Retain Woods loop at radio station for comparison with grounded loop as regards their comparative signal strength. etc. W To Cdt Chasn 2/13	
471687	1;24	Chasn copy	Long Island Compass Transmitting Charging Panels engine cylinder scored deeply-unit too small recommends gas engine driven gen be furnished. W	
470852	1-24	To S&A	Reqt shipment amplifier from Wash to Chasn. W Chasn. 3/1	
464310	1-20	Charleston	Outline of radio work;	604
464310	1-21	Charleston	Outline of radio work Charleston Lab;	604
464310	-1-21	Charleston	Outline of radio work Charleston; Transmitting Sta;	604

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N.S.E. Form 134.

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CHARLESTON RADIO STATION

Number.	Date.	From or To—	Subject.	
412928	4-24	Fwded Chasn	Info reqstd present condition of choke colls now in use, W RB 4;30 To Chasn Tel 5-8	
417954	5;9 5;12	Charleston Com	Quarterly inspec report Charleston Dist Cont Station.	W
425970	6-18	To S&A	Req ship frm Washn to Chasn one radio amplifier W	
429437	6;17	Charleston	Sug for permanent bldg to house radio activities at yrd, fwds chart.	W
429271	6/28	Charleston	Reqst instruc as to disposition of audion bulbs, broken or burned out in use. W	898
429676	7/3	To Charleston	Reqs report covering failure of service bof station. W	

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Number.	Date.	From or To—	Subject.	
439963	8;11	Inspr Fed	Fwds report of material shipped cov choke coils to Charleston. W	
445098	9-9	Charleston	Quarterly inspection transmitting sta.	W
446286	9-17	Chasn	Distant Control Sta Chasn. Quarterly inspection.	W
449420	10;3	Charleston	Fwds photos of radio station of 6th Dist.	W
451149	10;9 10;11	6th Dist Com	Quarterly inspection report of Charleston Radio Station. Fwd Com 10/23	
456671	11/8	To Charleston	Erection of addtl 300 ft self supporting steel tower for naval station Chas. Req recs. W copy Y&D Chasn- Fwds prints of towers. 11/18	

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CHARLESTON: RADIO STATION

Number.	Date.	From or To—	Subject.	
390470	1;13 1;27	6th Dist Charleston	Sub report of inspec of Charleston transm station.	
390471	1;22 1;27	6th Dist Charleston	Submits report of test of Charleston Distant Control Station.	
390511	2-1	To S&A	Reqts shipmt from NY to Chasn radio phones-storage batteries-charging panels To Chasn- asks acknow receipt 4-9 RB 6/12. RB S&A 5;7	W
391742	2-3	To S&A	Reqts shipmt from Wash to Chasn 1 wave absorbing circuit R B 2;24	W
401473	3-13	To Chasn	Info reqst if rotary converter is available for issue, Charleston 3;19	
404256	3;13	Charleston	Reinforce steel towers, asks if masts must be removed. fwd Y&D 3-24	W

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CHARLESTON RADIO STATION

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Number.	Date.	From or To—	Subject.	
404780	3-24	To Chasn, K. West Tel	Can maintenance radio station St. Augustine be relinquished by Chasn and assumed by KW beginning July 1st next without detriment to commun service period brief recom reqstd period desire confine all radio activities within their districts where practicable Navsta Chasn Navsta K W---- Charleston - 3;27 Tel Key West-Tel-Radio letter mailed 3;25 W 3;29 Key West-Maintenance of St. Augustine can be handled by Key West. W 2;25 To Key West Tel 3-28 To KW and Chasn- change be made 4-1	
411637	4;11 4;15	6th Dist Charleston	Quarterly inspection report of Charleston Transm station.	W
412601	4-22	To Chasn	Authorizes expenditure of sum of 250 for purpose of construction loop for receiving at station Chasn. W	
373548	Card 37		San Diego-Tel 3/25-Letter of 24th should 875 reach BU last of March, gives details. W. To CAVITE Tel 4/5 Charleston-Relative to failure of Charleston Sta to rec Guantanamo traffic recs instal. of loop system.	

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CHARLESTON: RADIO STATION. 1918 19

Number.	Date.	From or To—	Subject.	
336011	8;10	Charleston	Transmitting station out of commission. W	
340992	8;24	Super Charleston	Power off at Charleston due to ~~power~~ steam line being repaired.	
379397	12;18	Nav	List of books shipped Charleston radio station fwds req reimbursement. W Fwd S&A 12-26	
383581	1-10	To S&A	Rects shipmt from Wash to 6th Dist-6 audion bulb receptacles To 6th Dist-Informs of above 1-11 6th Dist - 1;20	W

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CHARLESTON RADIO STATION

Number.	Date.	From or To—	Subject.	
387458	1-23	To S&A	Reqts shipmt from NY to Chasn Radio phones batteries etc	W
387459	1-23	To S&A	Reqts shipmt from Wash to Chasn- Long wave receiver etc RB 5;7	W
387695	1-23	To S&A	Reqts shipmt from Bost to Chasn 1 radio transmitting set	W
388654	1;13 1;24	6th Dist Com	Inspec Report Charleston station.	
388655	1;23 1;24	6th Dist Com	Quarterly inspection report Charleston Distant Cont Station.	
389692	1-29	To S&A	Reqts shipmt from Wash to Chasn 1 medium wave radio receiver and 1 audion control box RB 5;17	W

CHARLESTON RADIO STATION.

Number.	Date.	From or To—	Subject.	
306874	4;29	Transmitting Station	Quarterly Inspection Report. W	
306878	4;27	Charleston	Quarterly Inspection report. W To Chas Via Commandant 6th Dist- App-for safe- 52-5-27	
269072	5-28	See Card 17	ToS&A-Rqst shipment from Wash to Repair Station-Savannah- radio apparatus-W	
311659	5/28	Chasn	Request allotment listed covering constrn of wooden fittings and entanglements for station - W To Chasn- Makes allotment-6-4	
316116	6/7	Charleston	Fwds quarterly report of inspn of radio station at Charleston. W To Chasn. If test absorption circuit satisf. Material will be shipped within a wk. W 6/17	

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N.S.E. Form 134.

807 CHARLESTON RADIO STATION 1918

Number.	Date.	From or To—	Subject.	
317222	6-14	Charleston	Ask if books received for radio station should be charged against annual allotment of W To---- B.of Nav. was reqtd. to inform the B. the cost of the Standard "Crews Library". W 6/18	
328002	7;13	6th Dist	Charleston Inspects report. W	
328979	7;13	6th Dist	Inspection report, transmitter station W	
328446	7;13 7;19	6th Dist Naval Com	Fwds quarterly inspec report/	
329973	7;25	Charleston	Reqst linoleum be sup arc transmitter room and control room of station. W To ---- Above approved. 7/29	
331044	7/31	To Chasn.	Reqts. report covering cause of failure of service on leased lines.W Charleston 8;7	

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CHARLESTON RADIO STATIONS.

Number.	Date.	From or To—	Subject.
268020	12/17	Y&D	Estimate for strengthening old towers.W
268728	12/15	Comm	Pacific Coast Station intercepted by Chasn.W Chasn reports arc signals intercepted 12-17
268820	12/15	Comm 908	states when broad casting on the spark. on the 2400 meter messages can be heard on the arc listening in wave of 4000 meters does not interfere with reception of arc signals.
269072	12/26 n Chasn--4/17 Reqts colstermeter be furnished for use at Sav. station 5;18 W	To 6th Dist	Recommendations requested as to establishing radio repair stations at Savannah, Ga. W Chasn 2-1 Fwd S&A--2/12--RB-4/9 See Card 18 S&A - papers were referred to Chasn - 2/27 - W
273983	11/27	Chasn	To Savannah. Asks if Tad. app.rec'd.8/2 Sanitary inspection distant control station Charleston-fwds report.W To--Appvs.1/17 ~~Reqts colstermeter be furnished for use at Sav station--W-5;18~~
274448	1-13	Chasn	Request prints of photographs listed be supplied for station for use of "Machinery Remark Book."W Fwd Chasn --1/21
274889	1/14	Chasn	Request authority for certain civilians to enter station for repair work.W ~~To--Gives action.1/21~~
276788	1-16 1-25	Chasn Y&D	Recommends independent power lead be installed in connection with insulation of new 5 kw set.W Fwd Y&D--1/29

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N.S.E. Form 134.

807: CHARLESTON RADIO STATION.

Number.	Date.	From or To—	Subject.
281113	1/30	Chasn	Request long wave receiver for use of distant control station.W To—Appvs.2/15 To S&A—Reqt shipt of radio rec set from Wash To Chas. 2/18
281331	2/9	Chasn	Control wires between distant control stations and transmitting stations fwds prints.W
281263	1/31 2/11	Chasn Navgn	Request laboratorian be furnished - W Fwd Navgn--2/18
286991	1-22	Chasn	Reports on inspection of radio set. W
295463	4/5	C&R VOID	Motor dory 4212 issued FAIRFAX 4211 boiler.Y
295464	3,29	Chasn	Reqt ~~destroyer~~ typewriter for distant ~~service.~~ control W Fwd Chasn--4/8
299656	4-20	Y&D	~~Heater~~ and sewer connection, Chasn.W

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CHARLESTON RADIO STATION.

Number.	Date.	From or To—	Subject.
251736	9/28	To Chasn	Reqt report with comment, on report that radio station was out of commission. W Chasn 10/5
251930	9/29	To Chasn	Reqt comment with infor re report of radio station being out of commission. W
253561	10/8	Y&D	Radio building laboratory quarters; additional allotment for requested by Chasn.W
254376	10/9	Chasn	Request additional equipment for distant control station.W To—Grants auth.10/19
255515	10/16	Chasn	Gas engine driven generator for transmitting set; submits estimate.W
255526	10/19	Dept VOID	Copy of letter to Nav Intel, requesting Chilean Naval Attache be advised Curtis Co is arranging for delivery of R-6 type aeroplane. DA
255548	8/21 10/17	Communications, Chasn Chasn	Request flagpole be erected on distant control station.W Fwd Chasn--10/23

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CHARLESTON RADIO STATION. 807

Number.	Date.	From or To—	Subject.
256003	10/17 10/22	Chasn Y&D	Extension of radio station building; reports over-expenditure and request allotment for W Fwd Y&D—10/24
256251	10/24	Standard Motor Const Co T	States clearer letter must be sent immediately. Y
255545	10/25	To Y&D	Charleston radio trans station. Gas engine generator for. Ask if supply of power from yard can be made reliable. W Y&D 11/19
232848	SEE CARD 13		To Y&D—Makes allott of $175. 10/30
261259	11/2 11/13	Chasn Communications	New 300' towers; fwds vandykes showing. W To—Reqt further comments on. 11/23
262273	11/21	To Chasn T	Directs obtain radiation ammeter from Phila. W
263036	11/20	Chasn	Request accounting instructions covering Ordnance material issued. W Fwd Ord—11/26 RB 12-8 Fwd Chasn—12/11

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CHARLESTON RADIO STATION.

Number.	Date.	From or To—	Subject.	
243784	8/14	Chasn T	Reports alternating current power available for distant control.W	
244054	8/13	Chasn	Cabinet to house telegraph apparatus; fwds drawing and estimate.W To--Appvs manuf.8/24	
245809	8/23	Chasn	Distant control station ready to be placed in commission.W To Nav Com--8/31	
246678	8/30	To Chasn T	1/2 K.W. radio set shipt Port Royal July 25th. Reqt reason for using fieldset. W Chasn 8/31	
246807	8-29	Chasn	Distant control radio station; reqt list of work should be done on buildings and grounds.W	
27	9/5	To GE Co. Chasn.	Details of motor generator for arc trans for Chasn. Detailed comments on specns for.	629
247881	9/7	To Chasn	Reqt information re radio station being out of commission. W Chasn larger antenna grounded, on account of breaking of insulators by lightning 9/20	

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N.S.E. Form 134.

CHARLESTON RADIO STATION. 807

Number.	Date.	From or To—	Subject.
246853	9/8	To Chasn	Distant control radio Station. Gives action on items and ests covering work. W
247541	9/13	Chasn	Request $400 for furnishing enlisted men's quarters at radio station.W To Chasn--Reqt further information.9/21 Chasn 9/28 To Chasn--Directs submit reqn for furnishings for men's quarters.10/5
232586		CARD 13 To Y&D--Will postpone building until after the war. 11/13 To Y&D--Directs strengthen towers.11/19 Chasn 11-26 To Chasn--Appvs rec as listed.12/4	Y&D estimated cost for towers 9/24 To--Gives action on ests.9/28 To Chasn--Reqt plat of ground be expedited.9/29 Chasn fwds prints 9/19 Fwd Dept via Y&D--11/3 RB 11/8
251122	9/20	Chasn	Request information relative to arc wave changer being manufactured at Washington for.W Wash 10/3 To Chasn--Grants auth to manuf motor driven air compressor. 11/21
251121	9/19 9/22	Weather Bureau Chasn	Request changes to halyard arm in connection with storm warning equipments.W To Chasn--Auth work. 9/28 Fwd Wash--9/27 Chasn 10/1 Chasn 11/13
251719	9/12	Chasn	Reqt authority to construct fence around radio transmitting sta.W To--Gives action on items.10/1 Chasn submits estimate 10/8 To Chasn--Grants auth.10/19

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CHARLESTON. RADIO STATION.

Number.	Date.	From or To—	Subject.
233266	6-5	Chasn	Reqt apparatus listed in order to complete receiving equipment , Duplex station.W To S&A—Reqt shipt of apparatus from Wash to Chasn. 6/19
233260	6-9	Chasn	Distant control station;estimate for Miscellanous work. W To—(T)Appvs ests.6/13 To—(T)Appvs ests. 6/13
233606	6/12	Chasn	Recommends radiation ammeters be sent to NY for repairs.W
234549	6/20	Cahsn T	Request authority to issue passes to certain employees.W To—(T) Appvs.6/21
235433	6/23	Chasn	Insulators for mast guys, Chasn Distant Control Sta; contractors state delay due to difficulty in securing insulators.W ~~To Y&D—6/27~~ Fwd. Y&D—6/29 RB 7/6
235618	6-23	Chasn	Alterations to radio stations; submits est.W To —Appvs est.6/28
236567	7/3	Chasn T	Request authority to issue passes W To—(T) Auth.7/3
237665	7/10	To Y&D	Reqt prospective date of completion of extension of present radio power house at. W Y&D has now knowledge of extension.7/13

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N.S.E. Form 134.

CHARLESTON RADIO STATION. 807

Number.	Date.	From or To—	Subject.	
239985	7/16	Chasn	Distant control radio station, motor generator for ;fwds copy of specifications, with recommendations.W Fwd Wash—7/31 RB 8/7 To—Detailed comments on.8/9 Chasn asks what disposition shall be made of DC motors and also if motor generators shall be accepted in their entirety 8/25	
	To—Directs accept motor gen.8/30			
240216	7/19	Chasn	Request authority to manufacture cable for radiostation; fwds print.W To—A ppvs est.7/26	
240237	7/24	To Chasn	Re comment and information re report that station was out of commission. W Chasn 8/1 To—Disappvs recommendation.8/9	
240920	7/28	To S&A	Reqt shipt of trans set from NY to Chasn. W To Chasn—Reqt plans and ests covering install. 7/28 To—Reqt shipt of radio sets from Chasn to Wash for dispo. 7/30 Chasn 8/13 To Chasn—Gives action.8/17 Chasn 8/21 To Chasn—Appvs reqt.8/28 Chasn submits blueprint and estimate 9/14	
	To Chasn—9/26 Chasn fwds plan 10/3			
243487	8/1 0	Chasn	Battery charging panel for radio station; estimate and print for manufacturing.W To—Grants auth.8/16	
242937	8/11	To S&A	Reqt shipt of batteries from Wash to Chasn. W	

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CHARLESTON. RADIO STA 1917

Number.	Date.	From or To—	Subject.
217063	3-5	Chasn	Distant control station; list of furniture required. . To--Directs prepare reqn.3/12
216996	3-3	Chasn	Submits plan and estimate in connection installing 2 kw wave changer.W. To--Appvs installation.4/3
217835	3/13	To Chasn	After install of new A.C. motor for arc set, ask if advisable to retain present D.C. motor to furnish emergency break down service for generator of arc set.W Chasn gives reasons re DC motor for emergency 3-16 To--Gives action Bu will take.4/23
218032	3-12	Chasn	Fwds plans of nonsynchronous spark gap for Charleston and St Augustine.W. To--Appvs. 3/19
218194	3-15	Y&D	Extends date of completion conract for dormitory and receiving building.W
219760	3-24	Chasn	Estimate for insta lling 10 kw synchronous spark gap electrodes. W To--Appvs est.3/31
220255	3/30	To S&A-	Reqt shipt of wave changer with loading coils from NY to Chasn. W

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N.S.E. Form 134.

CHARLESTON: RADIO.?807

Number.	Date.	From or To—	Subject.	
220578	3-29	Chasn	Request primary apparatus for use 10 kw spark setbe installed.W. To--Reqt sketch and ests.4/11	
218056	4/5	To Chasn	NSE 25-A and Bu records differ. Reqt further information. 4/5 Chas Gives information on. 4/13	
224797	4-21	Chasn	Est for installing spare antennae.W To--Appvs est.4/30	
226899	5-7	Y&D	Contract 2283; Mass and tower relative to bonuses.W	
227164	5-8	Y&D	Bonus to expediting ~~ins~~ construction of radio buildings.W	
231426	6/1	To Chasn	Radio Station, spark transmitting set out of commission. Reqt comment on. W Chasn 6/7	
232586	6-5	Chasn	Outline of radio work for fiscal year 1918.W To--Directs prepare prelim plans for new tower.9/8	CARD 15
232848	6/9	Y&D	Heaters and sewer connections; gives estimate; request allotment.W To--Makes allotts.6/13	CARD 16
232857	~~232857~~ 6/8	Chasn	Fwds correspondence Bost relative to antenna transferswitches, with recommendations.W	

To Y&D--Gives action.9/10
To Chasn--Gives action.9/12
Y&D relative to towers 9/14
Fwd S&A--10/13
Y&D fwds copy of letter requesting additional allotment for 10/26.

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CHARLESTON RADIO STA.

Number.	Date.	From or To—	Subject.
212008	1-19	Y&D	Distant control radio building; fwds copy of contract wth Charleston E&C Co. W
212169	1/22	To Chasn	Reqt information on radio trouble reported 1/20. W
212402	1-23	Y&D	Masts and towers; copy of contract with Pittsburgh-Des Moines Steel Co. W
212419	1-22	Chasn	Request new relay ket for 30 kw arc set. W To--Pending receipt of tests being held will not allow new key. 2/2
212591	1-22	Chasn	Request 10 kw relay keys. W Fwd S&A--1/29 RB 2-5
213179	2/1	To Chasn	Reqt report on arc trouble reported 1/26. W Chasn 2/8
213253	1-31	Chasn	Distant control; describes station; states 3 additional telephonewires should be leased; gives estimate. W To via Comdt--Does not desire to increase. 2/13
Chasn 301	2/3	Fwd Y&D	Piles for distant control radio station. For comment and recommendation. WR

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N.S.E. Form 134.

CHARLESTON: RADIO. 807

Number.	Date.	From or To—	Subject.
214866	2-12	Chasn	Request switchboard instruments for 10 kw set; submits estimate.W To--Appvs. 2/19
214859	2/15	To Y&D	Ask probable date of completion of add'l room. W Y&D Probable date of completion July 15th 2/21
214064	2-16	Washn	Wave meter repaired and ready for return.W
215142	2-16	Chasn	Estimate for switch for charging A battery.W To--Disappvs with comment. 2/27 Chasn antennae distributing switbh;plan 3-12 To--Disappvs plan. Bost preparing plans.4/5
215064	2/19	To S&A	Reqt shipt of one Marconi Wave meter from Wash to Chasn. W
215590	2-20	Chasn	Submits estimate for AC carbon turning motor, and worm wheel for 30 kw arc set. W To--Appvs.3/14
216457	3-1	Y&D	Chante in contract for dormitory, and receiving building for distant control.W
217535	3-1	Y&D	Copy of letter omitting piles under towers.W
216825	3-3	Y&D	Change in location dormitory building appvd.W
216987	3-3	Chasn	10 kw wave changer installation; fwds est and plan.W. To--Reqt further recommendations.3/14 Chasn recommends plan previously submitted be approved 3/24

To--Install 10 KW set auth. 3/30

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[over.]

CHARLESTON RADIO STATION.

Number.	Date.	From or To—	Subject.
205843	11/18	To Chasn	Directs plans of distant control radio station at Chasn be drawn up and Vandyke and 2 prints fwded to BU. W
206164	11-16 To--Gives action. 3/7	Chasn	Request receivers for distant control station.W TO -- No 117 supposed to be on hand 2-21 Chasn receiver referred to was shipped to NY Sept 16, 1915 3/1 To S&A--Reqt shipt wave receiver from Wash to Chasn. 3/7
206209	11-20	Chasn	Alterations recommended in transfer switch, Fwds plan and estimate.W To--Alteration auth. 11/25
206964	11-28	Chasn	Arc motor generator; relative to procuring induction mtoro for; fwds vandykes.W To--Bu has prepared reqn for induction motor.1/13
207324	12/5	To Chasn	Reqt comment and infor on key trouble reported Dec. 1st. 12/5 W Chasn 12/14
207924	12-2 12-8	Dept Justice Dept	Fwds title papers for distant site.W Fwd Chasn--Noted. 12/8
208726	12-15	Y&D	Fwds bids for radio buildings and masts.W To--Appvs award of contract. 1/8
208723	12-15	Y&D	Radio buildings and masts; gives names of firms. W To Chasn--Advises who different contracts awarded to. Instrns. 12/19

N.S.E. Form 134.

CHARLESTON RADIO STATION. 807

Number.	Date.	From or To—	Subject.
208753	12/15	ToChasn	Reqt comment and information on arc trouble reported December 11th. W Chasn 12/22
209239	12-12	Chasn	Request stock of mf condensers. W To--Appvs reqt. 1/4
209884	12-19	Dept Agriculture	Re use of towers by W eather Bureau for displaying signals; Request Radio employee be detailed as display man; will pay salary.
	12-27	Operations	To--(Sec Sig) Are giving matter consideration 12/30 Fwd Chasn--For comment, 12/30 RB 1-9 Fwd Dept--With rec. 1/10
209917	12-26	Chasn	Distant control radio station; recommends be heated by gas instead of coal; change in roof. W Fwd Y&D--Appvd. 1/3
210231	12-21 12-29	Chasn Solicitor	Distant control station; states all legal formalities and transactions completed Department became owner tract; total purchase price $3700.W Fwd Sol--Noted. 1/5
			1917
Chasn 269 270	1/8	To Y&D	Material for foundation and masts. Fwds reqns for action of Y&D. WR
211160	1- 8	Operations	Directs working change tune. Chasn (R) retuned 1-12

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CHARLESTON RADIO STATION. 1916

Number.	Date.	From or To—	Subject.
194078	7/17	Chasn	Request additional coils for IP 76 receiver.W
195829	8/5	Chasn	Arrangement for charging air condensers; fwds print; submits estimate.W To— Appvs.8/10
196181	8/8	Chasn	Increases estimate for installing secondary sntennae.W To— Appvs. 8/12
195946	8-10	To Chas.	Arlington Dist Radio Supt report key trouble; reqt comment. W Chasn reports on key trouble 8-15
	Fwd S&A—10/28		
		Chasn reqt be returned to NY 9/1	
To S&A—Shipt reqt keys To Bost.—Comments on Lowenstein keys.10/18			
O to NY. 11/18		Bost no key available 9-30	
		To Bost—Reqt est for manuf of keys. 9/26	
197585	8-22	Chasn	Reqt relay keys.W To Chasn 5 kw set recd 11-14
Chasn requested 1 O kw keys, shipment order covers 5 9/6			TO — 8-24 Fwd S&A—9/26
			Chasn no trouble 8-28 To Supt. 9-1 RB 9/14
To NY Via S&A—Ship 10 K.W. 9/12			To S&A reqs. shpt. from N.Y. 9-1
197082	8/22	To Chasn RB 9/23	Breakdown of station; request information re.W Chasn no breakdown 8-28
198509	9-5	To Chas. (R)	What is status of title papers for distant control radio station. W Chasn gives status 9-8 Chasn District Attorney has all papers in connection site; will forward end of week 10-9
199952	9-21	To Chas.	POM reports arc transmitter out of commission; reqt comment on. 9/21 W Chasn burned out magnet coil of resistance 9-26

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N.S.E. Form 134.

CHARLESTON RADIO STATION. 807

Number.	Date.	From or To—	Subject.
201006	10/3	To Chasn.	2 K.W. Secondary transmitter out of comm. Reqt information regarding same, and when it will again be ready for operation. W Chasn reports on trouble 10-7 To--Est appvd. 10/18
	10/12	To Chasn	Expenditures in excess of quarterly allowances. WK
203256	10/21	Y&D	Fwds prints of buildings, masts and towers, distant control station. W To--Appvs plans. 10/24
203308	10/23	To Chasn	Reqt report in detail on Ten KW which was reported out of commission. W Chasn 11-4
203697	10/27	To Chasn	Reqts report on excess use of audion bulbs during quarter ending Sept. 30. W Chasn 11-4
204016	10/30	To Chasn	Reqt comment and infor as to trouble with radio station. W Chasn 11-4
205825	11-1 11-11 11-17	NY Bost S&A	Combined hand and relay keys; relative to type to be furnished. W Fwd S&A--Reqt Lowenstein type be furnished Chasn. 11/20

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CHARLESTON: RADIO STATIONS. 1916

Number.	Date.	From or To—	Subject.
181804	2-24	At Flt	Complains of radio communication with; excessive static,etc.W
182515	3-24	To Chas. SEE OTHER DIE	Equipment of station for simultaneous sending and receiving; funds now available for purchase of site for; submits recommendations covering. 3/24 W
		To Dept Commerce-(Secsig)Reqt permission to use certain unoccupied space of Lighthouse Reservation Chas.4/24	Chasn submits estimate and plan. 4-13
		Chasn fwds print 4-24 Dept Com appvd5-12	To--Reqt additional copy print. 4/21
		Commerce 5-1	Fwd Dept--Rec appvl of location.4/24
		Fwd Dept Via Sol--5/11 RB 5/18	
182912	3-28	To Chas. (R)	What is trouble with premary radio set. W
			Chasn (R) reports 3-28
182913	3-28	To Y&D.	Distant control for Charleston, Key West and New Orelans; Bu taking steps for obtaining necessary land transfers for purposes equipping stations for operation by distant control. W
			Y&D w ll proceed at once with buildings and masts 4-1
			Y&D fwds plans 4-7
			To--Appvs estimate for. 4/29
184096	4/5	Chasn	Additional allotment $200 for radio station; reqt.K
			Retd--For recommendation.4/14 RB 4/19
			To-- Appvs allotment. 4/24
184384	4-11	Chasn R	Request permission to use electrose insulators in lieu of porcelain insulators.W
			To--(R)Auth granted. 4/13
184491	4-15	To Chas.	Plans for distant control radio station buildings; fwds for comment. W
			RB 4/27

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N.S.E. Form 134.

807 CHARLESTON; RADIO STAIONS.

Number.	Date.	From or To—	Subject.	
185665	4-27	To Chas.	Asks disposition of certain appratus not reported in NSE Form 25-A. W Chasn 4/29	
174957	2/?	Chasn	Outline of radio work, 1917-18; items that will require expenditures of over $500	604
182515	5-20	SEE OTHER SIDE To Chas--(R) $3500 price met for site. 7/3 Chasn (T) expect decision to-day 7-11 To Chas--(T) Report despatch status negotiations purchase radio tract. 7/10 Fwd Dept--Rec purchase b made.7/15 Chas gives status of negotiations re proposed site. 7/18 Chasn (R) quotes price given by owners for 90' lot 7/22 Fwd Dept-- 7/25 To Chas-- 7/28 Fwd Dept--8/4	Fwd Dept--Fwds letter for Secsig to Dept Commerce accepting permission to locate masts on property on Commerce.W Fwd Dept--Concurs in rec re legislation covering transfer. 5/23 RB 5/25 To Solicitor; reqt transfer land 5/29 Fwd Solicitor 5/29 RB 6/10 To Chas--(R)Reqt print showing reservation and boundaries. 6/3 To Chas--Appvs general plans for distant control. 6/5 Fwd Y&D-- 6/9 Fwd Dept--6/12 Dept Commerce- No objection to construction of steel masts in lieu of wood.6/13 Fwd Dept--6/22 To Chas--R Asks status of transfer of land. 6/22 Chasn (T) recom $3500 be paid without looking up titles of land 6-16 Ref. Sol. 6-26 Dept Reqt Dept Commerce letter 5-11. 6/26 Chasn (T) owner insists $3700 6-30	RB 5/25
191061	6-17	To Chas Via Y&D.	Interruption of radio service due to failure of yard power; reqt detailed information on. W RB power off at Guantanamo due to fuses blowing, no trouble at Chasn 6/30	
192290	7-1	To Chas.	Radio Supt reports arc out of commission due to motor generator trouble; reqt information on. W Chasn further report on motor trouble 7-10	

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CHARLESTON: RADIO STATIONS. 1915

Number.	Date.	From or To—	Subject.	
170060	10-25	Chasn	Reqt receiving set ex pensacola be assigned for yard experimental purposes.W To--Hold for further use. 11/5	
171158	8/2	Clark, G. H.	Reports on test of ultra audion returned from Chasn	898
171351	11-15	Chasn	Ground wiring system; plans and estimateW To-- Appvs. 11/20	
172390	11-23	Chasn	Reqt partition between living room and radio station.W To-- Appvs.11/30	
172870	12-3	Chasn R	Transmitting apparatus will be out of commission 7:00 AM to 4:30 PM. W	
173252	12/7	To Chas and San J uan R	Gives schedule to be conducted after arc set is installed; SAN JUAN	835
175197	12-30	Chasn	Estimate for painting partition.W To--Authorized. 1/4	
175397	1-5	To Chas.	Installation of 30-K.W. arc wave changer; reqt est for; have reqtd shipment to Yd.W To S&A - Reqt for shipment. 1/5	
176598	1/20	San Juan R	Recommends Chasn resume arc schedule; will make temporary connections ganerators; reports shortage of operators	835

N.S.E. Form 134.

807 CHARLESTON: RADIO STATION: 1916

Number.	Date.	From or To—	Subject.
176804	1-21	To Chas.	Lists radio receiving sets to be furnished station; asks whats set now at Yd in excess available for other assignment. W
	To S&A--Reqt for shipment. 4/19		Chasn 2/2 To Chas--Have reqtd shipment of wave-receiver from Wash; return old. 3/9 To S&A--(2) Reqt for shipment. 3/9 To Chas--Have reqtd shipment receiver. 4/19
178434	1-22	Chans	Gives reasons why Cohen receiver was requested; desire to conduct tests and experiments. W
178611	2-8	Cahsn	Estimate for installing relay key cabinet and arc wave changer. W To-- Appvs. 2/12
180138	2-25	Chasn R	Fwds print and estimate for proposed antennae system. W To--Appvs. 3/2
180189	2-23	Chasn	Radio towers; painting of; submits estimate. W Fwd Y&D-- For comment and rec. 3/1 RB 3/6
	Fwd Y&D-- 4/8		To--Appvs estimates. 3/15 RB 3/27 To--Appvs estimates. 3/28 Chasn reqt name of paint manufacturers 4/4
180639	2/29	Chasn	Radio towers; re painting of. W Fwd Y&D-- 3/7 RB 3/10
180538	2-29	Chasn	Reqt authority to send Edison storage battery to company for estimate for repairs. W Fwd S&A--Reqt shipment be authorized. 3/6
181322	3-11	Fwd Chas.	Necessary insulators may be obtained from NY yard. W

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CHARLESTON: RADIO STATIONS:

Number.	Date.	From or To—	Subject.	
161787	7-28	To Chas.	Notify Bureau when ready for arc radio communication with Arlington. W	
162218	7/30	Wash	Reqt authority to transfer certain apparatus W To-- Auth transfer. 8/4	
162220	7/31	Chasn R	Gives dates when arc system ready for test with Arlington and Bu Standards. W Fwd Rad Ser-- 8/4 RB 8/12	
162313	8-2	To Chas.	Substitution of 5 K.W. radio set for 10 K.W. set; reqt information on. W Chasn --present organization satis 8/6 To Rad Ser--Fwds correspondence on.8/10	
162560	8/2	Chasn	Submits estimate and plans for equipping an additional station for simultaneous sending and receiving. W Chasn porposed location unsatis 9-16 To--Reqt tests be conducted.9/18	
163236	8-12	Chasn T	Antennae carried away during arc test; 2 weeks to repair. W Fwd Supt Radio 8/13 RB 8/20	
164315	8-24	Chasn To Chas--Reqt certain data be furnished NY. 9/27 To NY--Appvs est.9/27	Submits estimate for repairs to 10 kw radio set. W To S&A--Reqt for shipment.10/27 TO -- appvd 8-28 TO NY submits est for Mark VII wave changer 8-28. NY-Sub.est.9/21.	
164573	8/29	M Is	Arc stations; reqt plans	843
165836	9-13	Chasn	Reports on test of new radio set Aug 2 to Sept 8 Fwd Bu Standard. 9/15 RB 9/18 To--Discontinue further tests.9/15	

N.S.E. Form 134.

CHARLESTON: RADIO STATION: 807

Number.	Date.	From or To—	Subject.	
166381	9/18	Chas	Reqt new loading coils for wave changer. W Fwd NY--Reqt Information. 9/22 RB 10/4	
166755	9/23	Chas	Submits list of equipment required for primary system. W	
167022	9/23 9/28	Chasn Supt Radio	Report of merchant vessels having trouble in raising station. W Fwd Rad Ser-- 10/4	
167348	10-1	Chasn	Report of expenditures quarter 9-30	
167357	10-4	To S&A.	Reqt shipment radio rec set from Wash to Chas. 10/4 W	
167539	10-6	To Chas.	Radio receiving difficulties have reqtd orders for Chief Elec Scanlin to Chas to instruct station force in use of. W	
168185	10-7	Chasn	Gives primary capacity now used; recommends equipping wave changer, loading coils with additional contacts. W Fwd NY--Comments on. 10/26 RB 11/16 Fwd Chas-- 11/19 RB 11/29	
168288	10-14	To S&A.	Reqt shipment magnet coil wire from Wash to Chas. W	
168910	10-19	Chasn	Submits estimated and plan for insulating slab for lead in insulator between dynamo and sending room. W To--Authorized. 10/23	
168698	10-19	TO Chasn	Re ground wiring sys for radio sta	

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CHARLESTON: RADIO STA.

Number.	Date.	From or To—	Subject.	
154730	5-4	Chasn	Repairs to ammeters and voltmeters. W To-- Appvs. 5/12	
156154	5-27 Chasn 6-8	To Chas. (R)	Is station now tuned to transmit on 600 meter wave length; if nor report when will be ready. W Chasn replies 6-1 To--Rec be tuned at early date. 6/3	
156172	5-28	To NY.	Have reqtd shipment from Yd to Chas of all apparatus delivered under contract 350. W To S&A-- Reqt for shipment. 5/28 To M.Is--(R) Retain third set at Yd. 5/28 M.Is (T) set shipped Chasn NY shpt short 6-1 To M.Is--Shipment apparently error.6/2	
156247	5-28	To Chas.	Temporary installation of medium power radio set; will install 30 K.W.arc radio set to carry communications during summer months between Wash & Key West. W RB 6/10 To--Auth installation of 30-K.W. set; reqt be informed when set arrives. 6/18	
156963	6-2 6-5	Chasn Supt Radio	Re failure to communicate with merchant vessel; relative towave length. W Fwd Rad Ser--Have taken action to provide wage length of 600 meters. 6/10 To Chas--Auth installation of auxiliary antenna for. 6/10	
157441	6-8 6-11	NY S&A	Submits list of high frequency apparatus shipped to Chasn. W	
158420	6-16 6-19	Chasn Y&D	Proposed new radio buildings.W Fwd Chas--Asks if new sending building will be necessary: 6/25 RB 7/2 Fwd Y&D--Reqt plans be drawn up for. 7/3	
158980	6-25	To Chas. (R)	Has shipment from M.Is of arc radio set arrived? W Chasn not received 6-26	

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807 CHARLESTON: RADIO STATION:

Number.	Date.	From or To—	Subject.
160416	7-13	To Chas.	Orders issued to G.H.Clark to report to yard for purpose of testing out and tuning the new arc radio set. W
160500	7-12	Chasn	Reports receipt from NY; installation will be compl'ted for tuning July 19; reqt wall insulators be supplied.W To S&A--Reqt one leading-in insulator be furnished Yd. 7/14
160582	7-15	To Chas.	Test of new radio set; instructions re after set is commissioned. W To Supt Rad Ser--Fwds copy of instructions covering tests. 7/17
160912	7-16	Chasn	Reqt radiation ammemter. W To--Have reqtd shipment of from NY. 7/20 To S&A-- Reqt for shipment. 7/20
161193	7-21	To S&A.	Reqt shipment of audion apparatus from Wash to Chas.W RB 9/9 To--Change in shipping instructions.7/29 Wash--apparatus failed to work at Chasn, returned to Wash; reports on 8/4 Fwd Chas-8/9 RB 8/13
		To Wash--Have reqtd shipment of audion detector to Chas. 8/9 To S&A--Reqt for shipment.8/9	
161253	7-21	S&A	Reports receipt and shipment of arc set from NY. W
161406	7-23	Clark, GH T	Reqt Bu standards arrange certain tests; ultra audion inoperative; cannot repair; reqt authority to return instrument to Washn.W To-Chas--(R)Will reqt shipment Wash if repairs cannot be made Chas. 7/26
		Chas (R) Repairs cannot be made at Yd. 7/29	
161514	7/23	G. H. Clark	Reports on installation of arc at Chasn .W
161444	7-24	To Chas.	Gives results of test. 7/24
161964	7/28	G. H. Clark	Reports on inspection of station W

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CHARLESTON: RADIO STA. 1914

Number.	Date.	From or To—	Subject.
128514	6-24	Chasn	Rect Nat. Elec.Sig.Co. relay key & also repairs to hot wire ammemeter. W To---will supply relay key; ship hot wire ammeter to NY for repairs.6/29. To NY.Request furnish relay key if available.6/29. NY no relay key available. 7-7
129527	7-8	Chasn	States 10 kw radio set ex:BIRMINGHAM; gives a great deal of trouble due to overheating of armature.W Chasn (R) report coil burned out; will repair by 14th; delay action letter.7-11 (T)to---asks what present facilities for power; etc.7/20. (T)to GE Co.request price for armature.7/21 GE quotes prices 7-30
130343	7-17	Chasn	Braces on spark gap casings; est.W To---notes.7/21.
130443	7-21	Chasn	Auxiliary radio set; working well; proceeding with repairs on large set; recommends induction motor.W
130523	7-21	Chasn	Reports on radio set ex-BIRMINGHAM. DW
130534	7/22	To Narr.Bay.	Spare relay key of 10-kw set ex BIRMINGHAM; asks if received with set.W Newport Relay key will be shipped to Chasn 7-30
132599	8-17	Chasn	Reports on test of re-insulated motor ex-BIRMINGHAM.W To GE Co.Asks if can supply motor of class specified.8/20. GE motor is special, require 10 days to make quotation 8-24 GE Co. quotes prices 8-26 To-- Fwds letters rec&d from GE. 9/3 Sb 9 17

CHARLESTON: RADIO STA. 807

Number.	Date.	From or To—	Subject.	
134015	9-5	Lowell, Lt.	Fwds measurements. W	
134634	9-16	Norf.	Beaufort reports trouble communicating with	800
134656	9-17	To GE Co.	Bu will submit reqn in your favor for one 25 H.P.-1800 r.p.m.-2300 V three phase, 60 cycyle, form K, induction motor.	
		1915		
143631	12-30	Supt Radio	Recommends high powered set.W. Fwd Dept-- Rec appvl of. 1/6 RB1 Dappd Fwd Y&D--Reqt prelim plans be made for enlarging the operating building.2/25 RB 3/23 To Y&D-- Re new building for. 4/19	
150329	3-17 3-22	Chasn Y&D	Submits estimate for and recommendations for high power radio set.W	
152447	4-10	Chasn	Mfg new aerial for station.W To--Instructions. 4/26 Chasn 5/4--returns papers	
152422	4-13	Chasn	Reqt instructions re decremeters, and copies of all circulars.W To-- Fwds. 4/21	
153404	4-26	Supt Radio	Fwds ~~pl~~ complaint non delivered message Chasn Sta is not tuned to 600 meters; directs instructions be issued.W	
153911	4-30	Chasn	Reports need of new radio house.W To--Have taken prelim steps towards construction of. 5/19	

NB—0120

CHARLESTON RADIO STATION.

1913

Number.	Date.	From or To—	Subject.	
111129	11/24	To Chas.	Proposed installing one of 10-kw sets to be removed from SALEM and BIRMINGHAM. Asks as to supplying 120 volts D.C. current.W Chasn can furnish 12-1	
111551	11-26	Chasn	Reports that aerials touch iron wire stay of topmast when northwest wind is blowing; fwds sketch. W To---sketch not satisfactory; suggestions. 12/6 RB 2 10. Fwd Y&D. asks if satisfactory to install proposed cage.2/26 RB 3 3	
112667	12-12	Chasn	Fwds letter from Elgin Observatory reporting hearing Charleston Sta. and reqt wave length, power, etc. Reqt instructions re answering this type letter.W Fwd Supt.Radio.12/15. RB 12 20	
113153	12-6	Chasn	Tower; estimate for scaling and painting.W FWD Y&D. for nec.12/20. RB 12 27 To---appd.12/27.	
		1914		
114516	1/9	To NY,Chas,S&A.	Radio receiver; request shipment from NY Chas.to NY for repair.W	
114307	1/14	To S&A	10-kw radio set, now on BIRMINGHAM; request shipment to Charleston.	138-6
116202	1/28	To Chas.	Chief Elec.B.J.Reynolds; ordered for duty at Chas.W	

N.S.E. Form 134.

CHARLESTON RADIO 807

Number.	Date.	From or To—	Subject.
118703	2-26	Chasn	Reports accident to antennae wires on account of ice; estimate for repairs. W To---est for construction of new antenna appd.3/3. Fwd Y&D.3/3 Fwd Dept.alterations requested in par.3 not rec for appr.3/9. Ret---3/13.
119670	3-3	Chasn	Reports for February; reqt latest receiving set.W To---& S&A. request shipment NY to Chas.3/12 Chasn est 3-17
117672	3-10	Chasn	Estimate for installing set- ex- BIRMINGHAM.W To---estimates appd.3/12. To Phila.missing key; asks if was shipped.3/12.
120214	3-17	Chasn	Estimates for change air condensers, radio.W To---estimates appd.3/19.
123131	4/22	Chas. R	New antenna in commission 22d inst.W
123380	4/25	Chas.	New transmitting set in stalled; communication held with St.Augustine and Beaufort 24th. punctured insulation in condenser, are making repairs.W
123439	4-17	Chasn	New transmitting set in commission 1:30 PM W
126554	6/6	To Charleston	Two oscillation transformers and one antenna loading inductance, mfrd by Natl Elec Sig Co taken to Chasn about two years ago by Chief Elec Meneratti and installed with the old set in Chasn radio station; reqst ascertain if any of such apparatus can be identified, so that it may be shipped to Wash Yd.W
Chas.6/16.not removed from station; proposed to use material removed from CAESAR.W. To Chasn 6/19			

NB—0120

[OVER.]

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CHARLESTON RADIO STATION.

1913

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Number.	Date.	From or To—	Subject.	
87040	1/6	Chas.	New radio house; submits desirable alterations in.W Fwd Chas. apps. 1/10 RB 1-17 Ret---appr 4th endorsement. Request sketch showing location of new house.1/18 RB 1-24	
87702	1-14	Chasn	Description.W. To--reqt new description 4/23	
88002	1-18	Chasn	Description.W.	
92263	3-7 3-11	Chasn Y&D	Public Works Officer recommends new radio house and reqt. allotment made for same be raised $300. W Ret Chas. via Y&D.rec addtl.3/14. RB 3-20 (R)appd To Chas.3/15.	
94774	4/11	To Dept	Reqt permission to transfer radio 10 Kw set from Birmingham to Chas.	384--6
95859	4/26	To NY,Chas. & S&A	Wave meters, Bu. reqn 342, reqt shipment to	893--4
96235	4/28	Chas.	Fwds description and prints of station.W	
96324	4/28	Chas	Reports on adjustment of tunes and installation of tune shifters at	800
96691	5/7	To S&A	Shipment of apparatus to: from Bu. Stds to for adjustment of station	807

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N.S.E. Form 134.

CHARLESTON 807

Number.	Date.	From or To—	Subject.	
96586	5/6	To S&A	Reqt shipment radio apparatus.	876
96587	5/6	To Nav	Reqt orders for Ch.Elec. Meneratti, to Beaufort, Chas, for adjustment of sta.	632
103165	8-4	Chasn	Radio house; complete elec. lighting work.	W
103167	8-5	Chasn Su	Submits estimate for repairs to quarters. W To---appd.8/8	
103932	8-18	Chasn	Report of inspection. W To---suitable radio set will be installed as soon as available.8/21.	
104100	8-21	Bd. Insp. Shore Sta	Comments in inspection reports; recommends installation of modern high powered sending set. W Fwd Dept·Bu's plan to install 10-kw radio set, to be removed from a scout cruiser.8/22	
106431	9-3 9-22	Chasn Chasn	Reqt· heating system be installed in quarters. W Fwd Dept recom 9-26 RB 10 3 To Y&D. Bu will allot $217 EofV.10/3	
107378	10-2	Chasn	Reports on working of station for Sept. W To NY.asks if can supply secondary coal from store.10/18 NY have in store 10-22	

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CHARLESTON W.T. Sta

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Number.	Date.	From or To—	Subject.	
54760	11/28	To Chas	RECEIVING & SENDING: shipment of exp. quenched spark gap from NY yd for use of G.H.Clark auth. Clarkwill report and adjust Sta. in about two weeks	898
55774	12/11	To Chas	Time signals, sending key and relay, has made reqn for, directs Western Union Co. to connect daily without charge.	910
			1912	
59358	1/23	To Chas/	Directs suspension of work on towers until further notice. When wireless set and oil engines for Jupiter Station are received, directs store until July 1st.W To---Directs proceed with work on towers. 4/5.	
61729	2-14	Chasn	Report of inspection.W.	
65648	4/5	Chas.	Reqt instructions re completing partly finished wireless towers.	890
68613	5-10	Chas	Report inspection.W	
74367	7/27	To Chas.	New radio set; request for information; also type of apparatus desired.W	
75186	8/2	Chas. 71-230	Gives description of station in connection with installing new set. W To---ack.8/7.	

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N.S.E. Form 134.

CHARLESTON W.T.STATION. 807

Number.	Date.	From or To—	Subject.	
76095	8/16	Chas. 34	Fwds tracing showing proposed new house for radio station.W Fwd Dept. via Y&D. Bu. recom a pl.9/4 RB914 app Fwd Y&D 9/16 RB9-21	
77997	9-11	Chasn	Reqt. repairs to generator. W To--apps 9/14	
79084	9-27	Chasn	Inspection report.W	
82102	11-7	Chasn	Reqt. be furnished with Queen dial resistance box for use during Arlington test.W. TO STRINGHAM, Chasn & S&A re shipment resistance box to chasn. 11-11	
84135	12-3	Chasn	Quarterly inspection;report. W	
85806	12/4	Chas. Mates School	Ret to Y&D req. appr. old radio building to be retained for raido purposes, 12/26	707--4
86223	12/30	To Chas.	Report of survey dated Dec.26th. Approved except items 6 and 7; if latter warrant repairs, directs be made, and if not needed, shipped to Washn.W To S&A.request shipment of electrolytic receiver and potentiometer,Chas.to Washn.12/30.	

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CHARLESTON W.T.STATION

FILE No.	From or To— (Dated)	Subject.	
33016 3/3	Chasn.	Recommends new steel mast for. To -- Will rec.appr of plans - directs be expedited 3/11.	
33653 3/9	Chas.	ANTENNAE: gives radiation:	875
36188 4/13	TO Dept	Reqt. authority to erect 2 steel towers.Y RB4-17 app'd (T) to Chas.erection auth. reqst corrected plan and reqn.expedited.4/17. Fwd Chas.4/17. RB 4-24	
37131 4/22	Chasn 620	Wireless tower; fwds print.W Fwd Dept rec appr.4/29. RB 5-7 Ret -- with approved tracing.5/4. RB 5-9	
40993 6/7	San Juan	Bldgs: wireless apparatus transferrred to Chas.	615--22
47293 8/24	Chasn	Reports status of apparatus, at, and St. Augustine and Jupiter in connection with calling wave lengths.W	
50478 10/7	To S&A & NY	Aerial transfer switch; Request shipment from NY Yd to Chas. Directs NY to manufacture.	
51895 10/23	Todd, Lt.Comdr	Reports on inspcetion; also PRAIRIE: BALTIMORE: CAESAR. W To Chas.Fwds reports; Clark willbe ordered to visit.10/31. Comments on repot of inspection. 11/4	
52704 11/2	Chasn	Leyden jar condensers; and racks; will be ready after Nov.16.	882-1

NB—0120

Number.	Date.	From or To—	Subject.	
521178	9/21 9/28	Coco Solo 15th Dist.	Request one long range receiver be installed. W. To 15 Dist- Gives inform re shipmt order 10-16 C&R- Copy- Amplifier not recd. 1/22 W To Comdt 15th Dist 2-2-21	
523716	10-22	To S&A	Reqst shipt of radio receiver from Washn to Balboa W	
524552	10/7	Coco Solo	Fwds monthly serial engine reports; DA	736-75
539281	1/8	Dept	Copy of letter to C&R assigning HS-2 flying boat to Coco Solo. DA	736
541182	1/4 1/6	Coco Solo- 15th Dist.	Request funds be allotted covering repainting of towers. WK To Comdt 15th Dist Tel 1-20	
556624	3/22 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintainence allowance at La Palma -subm estimates. W.	
	CANCELLED- 850			
556623	3/16 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintainance allowance at Balboa, Darien Station. W.	
	CANCELLED 850			
556622	3/23 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintainence allowance at Cape Malo Station. W.	
	CANCELLED 850			
556621	3/23 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintainance allowance, at Puerto O'baldioSpa. W.	
	CANCELLED - 851			
556620	3/23 3/29	Coco Solo 15th Dist	Adjustment of yearly maintainance allowance, at Colon. W.	
		CANCELLED- 808		

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N.S.E. Form 134.

COCO SOLO RADIO STATION

1921

Number.	Date.	From or To—	Subject.	
561470	4/22	15th Dist/	Request one wave meter be furn, W. fwd Comdt 15th Dist 5-9 RB 6/1 W.	
562276	5/6	Aircraft Factory	Copy of letter to Dept. giving designating 736 numbers fore F-5 plane shipped to Hampton Road for trans-shipment to Coco Sola -	
564833	5/3	15th Dist.	Recommendations cov revision of annual maintenance allowance Coco Solo. W.	
		1922		
620791	4/24	??	Copy of memo for Joint planning Committee in conn with installing compass station at Coco Solo - general discussion of control and interferences in Canal Zone. W.	
622655	5/13	To S&A 261	Reqst shipment of amplifier from Washn to SO Balboa W RB 9/26/22. W	
631798	7/1	15th Dist.	Station out of commission for 2 years. W.	

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N.S.E. Form 134.

COCO SOLO RADIO STATION:

Number.	Date.	From or To—	Subject.	
437558	8;5	Balboa Copy	Coco Solo Radio Station placed out of commission due to shortage of personnel.	W
447120	9/27	To N.Y.	Fwds reports on experimental work at N.L.	W
1745	10/11	To S O Hampton Roads	Advise if shipment has been made to Coco Solo. RB 10/16.	629-1
456022	10;21 11;4	15th Dist Com	Quarterly inspection report Coco Sola. fwd Commun 11/7	W
458575	10/28	Coco Solo	Quarterly inspection report, various sta. To Balboa (T) 450.00 authorized 11/26 To C&R- quotes from inspection report of La Palma radio station 11/26 cc to 15th Dist To Cdt 15th Dist 11/26 RB 3/5 To Cdt 15th Dist- rec in comm with material quarterly inspection of 11/26 C&R 12/3 To I.M. Ny- copy to 15th Dist. 12-26 RB 2/11 N.Y.- Fwds prints and estimate 1/8 Fwd S&A. 1-13 S&A- Copy of action to Norf. 1/15 N.Y. 1/16 15th Dist- Fwds list of spares required; also sample of salve. 1/22 To 15th Dist 2/16 15th Dist- Request insulators and air gauges be shipt. 6/24 W.	W.

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[OVER.]

Number.	Date.	From or To—	Subject.	
492969	4/27 4/29	Coco Solo Balboa	Submits reqst for personnel for District radio material office 15th Dist - W	
	Dept-Authorizes 5/21 W To Comdt 15th Dist fwds copy of action taken by Dept. rel engineman 5-27		To Secty- recommends personnel for 15th Dist 5/13 To Comdt 15th Dist. fwds enclosures 5/14 To Secty- assignment of one engineman recommended. 5/17 Dept- Authorizes two asst insprs radio, for duty in 15th Dist. X 635-3 KW To Comdt 15th Dist. fwds copy of Sec letter rel assignment 5/22	
494839	5/20	15th Dist Copy	Coco Solo station replaced in commission.	W.
495014	5/21	15th Dist. Copy	Station placed in commission. W	
517247	9/4	Coco Solo	Engine report; DA	736-75
518441	9-28	To S&A	Reqst shipmt of app from Boston to 15h dist 4534 W RB 12-31	
519479	10-1	To S&A	Reqst shipmt of wave meter from Washn to Coco Solo W RB 12/27 W 15th Dist 11/2 W Fwd S&A 11-19 RB 11/24 W	
520599	10-4	To S&A	Reqst shipmt of radio apparatus from Washn to Coco Solo W To S&A Reqst shipment of Apparatus from Washn to Coco Solo 153 4/27	

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COCO SOLO RADIO STATION:

1918

Number.	Date.	From or To—	Subject.
345210	9;5	Balboa	Are unable to obtain correct size of wood for soundproof booth for radio station, req authority to make substituiton, asks if masts and apparatus have been shipped. W To----(T) Substitute 3/8" wood for booth author. W 9/7 To Darien (T) Two wire T type antenna using ten foot spreaders 200' between spreaders using one strain insulator RY six one AA three one three each end will be satsifactory Coco Solo . locate masts two one six feet apart W
352917	9:24	War Dept T 881	Confidential report covering wireless condition in Mex. sub by rep of Pan American T & T Co. W
353541	10/1	To Darien (T)	Balance allotment Coco Solo authorized.
361448	10;23	Com Super Balboa	Tel: Asks type of antenna and distance between masts at Coco Sola. To Balboa- (T) All app shipped tracers being executed Drawings showing antenna constn under preparation 10-26
381589	12;31	Coco Solo Tel	Req shipment of all radio material be expedited, list material rec. W To Canal Zone 1/4 10431 all possible action being taken expedite shipment radio material to US Naval Air Station Coco Solo. Coco Sola-Req expedite material. 1;20

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COCO SOLO RADIO STATION

Number.	Date.	From or To—	Subject.	
385229	1-28	To Lowenstein Radio	Co - RE type Nos assisgned to protective device and transformer on contract 43945	W
422806	6;3	Balboa	Reqst shipmt of one blower motor for Sup Vessels to sound proof booth at Coco Sola.	W
423612	6/4	NY	Annual allowance for Colan, Darien, Balboa, Coco Sola, reqst report of fwd to Bu be fwd to radio material officer 3rd Dist. To-NY--- fwds copies of corresp 6/7	914
430001	7/2	Department	Copy of ltr to Coco Solo Base directing place C-1 and C-4 out of commission when nec arrangements made. A.	322-8
436541	7;16 7;31	15th Dist Com	Quarterly inspec report Coco Sola.	W
436925	8/2	15th Dist Copy	Balboa, Darien, and Coco Sola stations will be kept on commission, report of operating personnel nec. A.	850

COLON RADIO STATION 1922

Number.	Date.	From or To—	Subject.
641305	9/2 9/6	15th Dist. Balboa	Request allotment covering repairs to 5 KW set at Colon. WK
641306	9/5	Balboa VOID	Subm report for allotment cov addtion to quarters of officer in charge. WK VOID -see 850
642168	9/11	15th Dist.	Repairs to boat house at Puerto OBaldio- Estimate of Panama Canal. W. To Comdt 15th Nav Dist- Canceled 10/12 W cc Y&D Y&D- Copy action to 15thDist. 10/14 W To Balboa- cancellation of letter listed cc Yds & Docks 10/17 Y&D- Copy action to Balboa. 10/19 W
644367	10/6	Dept	Copy of letter to 15th Dist. directing temporarily hold up instln on havy set. W.
646045	9/30	15th Dist.	Quarterly inspection report. W.

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COLON RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
648451	10/23	15th Dist.	Subm comments rel to instln of 750 Watt telephone set at Colon. W. Fwds Operns 11/21 To Balboa- Instln authd cc Dir Commns 11/23	
652645	11/28	15th District	Rqsts requisitions covering spare parts for Fairbanks Morse oil engine be cancelled or an additional allotment of $600 be granted LA PALMA W To 15 Dist.- allotment made 12/16	
652892	12/15	To Dir Commns	Medium power transmitter- Requests comment and recomdn 12/15 Dept 12/15 Recommendations W To C-1-C U S Fleet- reqsts recomdns 1/11/23	

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[OVER.]

Number.	Date.	From or To—	Subject.	
613759	3/13	Lowenstein Co.	Ask names and addresses of operators at radio station at Colon. W. Fwds Dir Commns 3/17 To--- Gives Action taken 3/18	
614637	11/18/21 3/18	Panama Canal S&A Cancelled. By direction Christman.	Fwds certified bills cov erection of radio stations at Puerto O'Baldio, La Palma Punta Mala. W.	
54936	4/13	To C.I.C.Hamp Rds	5 KW Motor Generator for US Naval Station Colon-- Request date of shipment WS	629
618554	3/31 4/6	Balboa 15th Dist.	Quarterly inspection report. W.	
618555	3/31 4/6	Balboa 15th Dist.	Quarterly inspection report for LaPalma W.	

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COLON RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
618557	3/31 4/6	Balboa 15th Dist.	Quarterly inspection report Puerto-O'Baldio. W Fwds Yds & Docks 4/10 4/18 RB 4/25 W Fwds 15 Dist 4/27 RB 5/26/22. W	
622744	5/10	Y&D	Copy of telegram to 15th Dist authoring use balances from allotments for painting of towers. W.	
630246	6/28	Balboa (T)	War Dept has approved instln of set similar to TD set at France Field- Request prmission to obligate money allowed. W To Comdt Balboa- T Cannot approve subject decision Joint Army Navy Board on communication facilities. W 15th Dist.-War Dept- has allotted money for instln. (T) 6/30 W	
630551	6/29	Y&D	Copy of instructions to S&A for awarding contract for furniture. W.	
631802	7/1	15th Dist/	Quarterly inspection report, Colon. W. To Balboa - No changes 7/12 W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
9 600258	12/7	15th Dist.	Request addtl allotment cov purchase of wave meter. W. To 15 Dist Authorized 12/16	
601862	12/14	Canal One	La Palma Sta-quarterly inspection report.	W.
602233	12/28	15th Dist. Copy	Request immediate shipt of armature for DW motor. W. Fwd Insp GE 1/5/22 RB 1/19 W Inspr GE 1/10 W Fwd C-I-C Brook cc 15 Dist 1/14/22 RB 1/19 W To Balboa Gives Action 1/24	
		1922		
605302	1/10	15th Dist.	Puerto O'Baldio- quarterly inspection report. W.	
605303	1/10	15th Dist.	Colon,- quarterly inspection report. W.	

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COLON RADIO STATION

Number.	Date.	From or To—	Subject.	
606945	1/31	15th Dist.	Subm report of inspection of Colon St a.	W.
606946	1/31	15th Dist.	Subm report of impection of OBaldio Sta.	W.
609643	2/14	Cavite (T)	Request special allotment $15,000 to construct and furnish quarters at Los Banos for Asiatic Communication Supt. W Fwds Y&D 2/23 W cc Cavite, MI Y&D- Copy letter to Cavite rel to quarters for Asiatic Commun. Supt. at Los Banos- 3/4 W. 806	
609956	2/18	To Panama Canal Office	Rqsts location of and status of Colon Radio Station in 1912 rel to invention made by Mr. George H. Clark. W To Balboa- Rqsts all possible inform on installation of wave changer for a radio transmitter in Colon Radio Sta. 2/18 W Panama Canal- 3/2 W 15th Dist- Fwds correspondence and print rel to status of station 3/7 W. To 15 Dist- Reqst inform 3/16 Panama Canal- Fwds correspondence and print rel to location of station in 1912 4/5 W. 15th Dist- Detailed comments on territorial status of Colon station in 1912. 3/31 W. To Judge Advocate Gen- Fwds correspondence with print -- Gives instrns rel cc Dpt of Justice 4/11 To Sheffield and Betts- Gives Action 4/11 Fwds Judge Advocate General 4/26 To Judge advo gte gen fwds cc of let 31 march cc dept of Justice 5/6	

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[OVER.]

Number.	Date.	From or To—	Subject.
548254	2/21 2/24	Solicitor Communications	Request inform rel to aeria embraced by LaPalma and O'Baldia compass stations in conn with prepaing draft of executive order.W Fwd 15 Dist cc Solicitor 3/22 RB-7:6-W Communications- Request action. 3/21 W.
	Fwd ommunications 3/24		
549407	3-7	To Comdt 15th Dist	Report of poor service- reported by Operator on CUBA- Asks if due to instaln at Colon and Balboa radio stations W 15th Dist- Comments on alledged poor service by radio operator aboard CUBA. 3/25 W Fwd Dir Comm 4/13 15th Dist- Rqst equipts listed be furn. 5/24 W
556624	3/22 3/29	Coco Solo 15th Dist.	Adjustment of yearly maintenance allowance at Colon,- Submits estimates. W.
559432	4/14	15th Dist.	LaPalma Station- Quarterly inspection report W
559433	4/14	15th Dist.	Colon- quarterly inspection report. W.
560336	4;16 4;18	Coco Solo 15th Dis	Submits estimates covering revision of annual maintainence allowance for Colon fiscal year 1921.A
562163	4/26	15th Dist.	Puerto O'Baldio Sta- quarterly inspection rwport/ W.

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COLON RADIO STATIOO 1921

Number.	Date.	From or To—	Subject.	
577456	7/16	15th Dost.	Quarterly inspection report. W. To Comdt 15th Dist 7/30	
577458	7/16	15th Dist.	Quarterly inspection report, Puerto O'baldio. W	
577461	7/16	15th Dist.	Quarterly inspection report LaPalma sta. W.	
577860	8-1	To S&A	Reqst shipmt of wavemeter from Washington to Colon W 8354 -RB-11;1_W	
589702	9/30	15th Dist.	Quarterly inspection report, LaPalma Sta. W.	
589701	9/30	15th Dist.	Quarterly inspection report, Puerto O'Baldio Sta. W	
589674	9/30	15th Dist.	Quarterly inspection report, Colon Sta. W. To 15 Dist- funds not available 10/13	
600129 8	12/1	15th Dist 10/21	Automatic starting panel, Typewriter Y To Balboa- -comments 12/17 15th Dist- 1/3 W.	

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[OVER.]

COLON

Number.	Date.	From or To—	Subject.	
496357	5/15	Balboa	Fwds print of La Palma radio station.	W.
505374	7/1 7/3	C&R 15th Dist.	Quarterly inspection report. W.	
506682	7/11	15th Dist.	Quarterly inspection report. W	
506746	7/9	15th Dist.	Quarterly inspection report. W.	
507459	7/16	15th Dist.	Request Coco Solo Sub Base be supplied with wave meter and amplifier. W.	
510641	7/30	Balboa	Fwds prints of Puerto O'Baldia radio station reservation. W.	
519590	9/16 9/18	Coco Solo 15th Dist.	Request 18 spare armature coils be furn for Cape Malo, La Palma and Puerto O'Baldia.	W.
519587	10-2	To Fairbanks Morse	Gives data, pertaining to coils. Fairbanks Morse & Co. 10/15 W.	W

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COLON

Number.	Date.	From or To—	Subject.
528172	10/27	15th Dist.	Quarterly inspection report. W. To Comdt 15th Dist 11-19 disapproval for lawn mower pending results of one auth for Radio 11-19
530855	10/23 11/10	Balboa 15th Dist.	Request motor sailing launch be retained at Coco Solo Sub Base. WY
530929	11/10 11/11	Coco Solo 15th Dist.	Recommendations covering instln of telephone set with sketches. W. To Balboa 1-20
531630	11/16 11/18 fwd S&A 2-25 1921	Crystabol 5th Dist.	Subm request for silverware for use of Colon Sta. W. To Comdt 15th Dist 1-7 To Y&D 1-7 RB 2-15-21 Y&D- Copy of action to 3d Dist. 1/19 W. S&A 3/3 W. S&A-Copy of shipt order cov plated ware from Nav Sup Depot to Colon. 3/3 W
280 543180	1/17 Fairbanks Morse & Co. 5/9 W	15th Dist.	Quarterly inspection report Puerto Obaldio 15th Dis-fwds report on Fairbanks Morse kerosene engines-4:19-W To Fairbanks Morse Co-Reqst comments in conn operations of engines 5-7
543181	1/17	15th Dist.	Quarterly inspection report on LaPalma. W. To Comdt 15th Dist- reqst report of operation of engines Cape Mala La Palma Puerto Obaldia 2/26/21
543196	1/14	15th Dist.	Request for addtl funds covering expenditures exceeding allotments establishment of LaPalma Cape Malo, Puerto O'Baldio stations. W. To Comdt 15th Dist 2-8-21
545711	2-12	To Balboa	Short wave receiver at station Colon W. cannot understand difficulty in receiving planes as reported W RB 3/23 W

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[OVER.]

COLON:

Number.	Date.	From or To—	1920 Subject.	
473191	1;15	15th Dis	Quarterly inspection report LaPalma station.W	
473190	1;15	15th Dis	Quarterly inspection report Colon station.W	
473188	1;12 1;15	Coco Sola Sub Base 15th Dis	Quarterly inspection report.Puerta O'Baldia station.W	
473224	2/4	Fwd Commun	Personnel Operations quarterly inspection report. W Colon	
473225	2/4	Fwd Commun	Personnel Operation Quarterly inspection report. W La Palma.	
474638	2/3	Norf	24' msl 6505 for LA PALMA complete. Y	
475797	2/2	15th Dist	Fwds photos of shore stations.	W.

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COLON

Number.	Date.	From or To—	Subject.	
479884	3/2	White House	President signed order setting aside tract of land for Naval radio station at Punta Mala.	W.W.
485295	3/29 4/2	Solicitor Y&D	Fwds photostat copy of print of US Naval Reservation Punto Malo Canal Zone. W.	
489872	4/9 4/24	15th Dist Communications	Quarterly inspection report, La Palma. fwd Com 4/27	W.
489871	4/9 4/24	15th Dist Communications	Quarterly inspection report, Puerto. fwd Com 4/27	W.
489944	4/9 4/24	15th Dist Communications	Quarterly inspection report Fwd Communications 4/28	W.
491248	4/15 4/20	Coco Solo 15th Dist	Quarterly inspection report	W.
464310	4-20	15th Dist	Outline of radio work Colon Sta; W	604

COLON:

Number.	Date.	From or To—	Subject.	
451784	10;15	Pg Sd T	Reqst plans showing layout of radio and and auxiliary radio also antenna trunk for New York.	121-6 W
455711	10;18	Balboa	Quarterly inspection report of radio stations in Canal Zone and Republic of Panama.	
455862	10;18 11;4	15th Dist Com	Quarterly inspection report Cape Mala Station. fwd Com 11/6	
455861	10;21 11;4	15th Dist Com	Quarterly inspection report La Palma Station. fwd Com 11/6	W
455863	10;21 11;4	15th Dist Com	Quarterly inspection report Colon Station. fwd Commun 11/7	

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Number.	Date.	From or To—	Subject.	
460752	11/18 11/20	Coco Solo 15th Dist	Subm progress report covering constructions of Puerto Obaldia To 15th Dist- Advise if material is found to be in store. 12-12	W
465064	12-26	To S&A	Reqt shipment radio relay keys from Boston to Colon. W	
466877	12/4 To 15th Dist (T)-Reqts Ny to again furnish copies of invoice.1-15 Fwd S&A. Copy to 15th Dist. 1-15 RB 3/18 NY-fwds corres-1;21	15th Dist. (T)	Pumping outfit on hand for Puerto Obaldio notrequired: ask if satisf to sell same To Panama Canal To (T)- Apprd. 1-6 To S.O. Ny(T)-1-6 N.Y.- Pumping outfits shipt to 15th Dist. 1/12	W.
466861	1/3	15th Dist Copy	Puerto Obaldio will be placed in commission 1/5.	W.
470156	1/4 1/7 15th Dist- Request action.4/29 W To Y&D rel quarters 5/15 Y&D- Copy of action to Panama Canal 5/20. W.	Coco Solo Sub- Base Balboa	Subm request for authority for erection of quarters, Dist. Radio Mat.Officer, 15th Dist, at Colon. fwd Secty 1/28 RB 2/16 Fwd Asst Secty 2/18 RB 4/30 W To Asst Secty- reqst action 4-23	W.
473224	1;~~31~~12 1;31	15th Dis Comm	Quarterly inspection report Colon station.	
473225	1;~~31~~2 1;31	15th Dis Comm	Quarterly inspection report La Palma station.	

COLON:

Number.	Date.	From or To—	Subject.	
411051	4;2 4;14	15th Dist Com	Report of inspec of COLON STATION. To 15th Naval Dist-Regarding shipment of equip to Colon. 4;26 W	W
410888	4-15	To S&A	Reqst shipment from Fleet Base to Colon three short wave radio recievers. W To Colon- fwds booklet 4-19 To S&A- approval of items listed 4-22	
411381	4;3	Com Superintendent	COLON RADIO STATION; Daily log.	W
412539	4;2 Ord- Shipmt ord cov material from Naval ~~Academy~~ Ammunition Depot Phila. ~~with to~~ 15th Dist Ord-Shipmt ord cov material from from Brooklyn to 15th Dist. 6;3	BALBOA	Req ammunition and gun be supplied Punta Mala station. fwded Ordnance 4-24 RB 4;28 To 15th Naval Dist-Fwd. 4;30 RB 5;26 Ord-Reqst action. 5;16 To Ord- corresp fwde to 15th Dist for info 5-22 To Ordnance- rel to shipment 5-28	
413973	4;28	TO S&A	Reqst ship from Wash to COLON of radio receivers, audion cont box, batteries and amplifiers.	W
414429	3;24	Balboa	Puta Mala in operation.	W

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COLON:

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Number.	Date.	From or To—	Subject.	
423612	6/4	NY	Annual allowance for Colan, Darien, Balboa, Coco Sola, reqst report of fwd to Bu be fwd to réaio material officer To NY--fwds copies of corres. 6/7	914 3rd Dist.
433458	7;17	Coco Sola Tel	Five kw transformers at Colon burned out, spares installed, reqst auth to hip same to NY for renewing. W	
436544	7;16 7;31	15th Dist Com	Quarterly inspec report Colon Station. W fwd 15th Dist via DNC 8/4 RB 8;6 fwd 15th Dist. 8/9 R B11-26 Fwd 15th Dist. 12-15RB-1;31	
444811	9-1 0	7th dist (copy)	(T) reports on damage at COLON A	817

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COLON

Number.	Date.	From or To—	Subject.
295178		See Card 35	To C&R Reqts. to be advised if motor sailing launches can be furn. 8/27 15th Dist-Fwds prints of plans of radio masts with comments on 10.24 To Darien, (T) omit insulators and ground all Guys 11-13 To 15th Dist, re expediting the equipment and material for station at Cape Mala 11-21
371282	11;5	Balboa	Fwds copy of log for Colon.
381252	12;10	D C S Balboa	Punta Mala la Palmer and Puerto, report on progress of construction.
386824	1;7	Balboa	Req $1,032.88 be allotted in addition to $800 previously authorized cov instal of West Elec intra-phone sytem. W Fwd Dept 1-22 received back 1;28 Req 40 motor ~~generators~~ sailers be assigned to Balboa.. Cross to Balboa. 1;28 To 15th Dist-makes further allotment 2-1

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COLON

Number.	Date.	From or To—	Subject.	
386828	1;4 1;18	Balboa Com	Quarterly inspec of Colon Radio Sta. W to 15th Dist-Erection of 60' flag pole auth 2-1	
388661	1;11	Colon	Req bureau furnish prints and other data on 25 kw transm. W To International Rad Telg Co- reqst BP be fwded 3-25	
390687	1;22	Balboa	Req $400. be allotted cov payment and repairs req to bldg at Cologne. W To--- states that authority is granted to expend sum of $400. 00 to paint the barracks & double married quarters & effect minor repairs. 2/5	
394097	2-12	To Colon (T)	Radio spark gap rqstd 5-23 will be shipt from NY first available carrier- W	
403839	3;6 3;15	Panama Canal S&A	Fwds bill cov sup furnished radio station Panama Canal. fwd S&A 3-21	

COLON

Number.	Date.	From or To—	Subject.
295178	4/20	SEE CARD CARD 34	To Fairbanks Morse & Co—4/20
	Balboa -	Sub. statement for radio stations and rec. allotment be made W 6:27	Fairbanks Morse -Quotes price.W 4-24 Fairbanks & Morse Co fwds foundation plans covering outfit. W
	To 15th Dist.	Re establishment of Radio Stations Cape Mala, Puerto Obaldia,& LaPalma. 7/17	Canal Zone - Submits information required. W 5-16 Naval District - Fwds plan and estimates. W 5-20
	Balboa -	Outfit entirely sat. reqst earliest shipment. W 7:18	Canal Zone - fwds plans - 6/18 To Fairbanks Morse & Co. in re above--6-4
	15th Dist -	Fwds proposed layout plans of radio station Punta Mala	To Balboa- C Z- Radio station Punta Mala R. de P/- Det comment on--6-8 Dist Supt Canal Zone - Fwds prints showing masts. W 6-1
	r To Balboa (T)	Locate Masts according to encl. B. & other suggestions. 8/27 To C&R Asks if motor sailing launches can b.furn. & date of shipt. 8/27	Fairbanks & Morse - 6-18 Submits quotations. W C&R-Copy of let to Norf, gives act. 9:3 To Balboa. Encl. fwd. for information & comment re deep well pumps. 6/24 Fwd. S&A 6/24
	Balboa -	8:28 TEL: Yes	Balboa - Fwds blue print plans of Cape Mala with comments. W 6:26 To 15th.Dist. Encl. fwd. for information. 9/6.
	Balboa-Fwds print os sit showing locationof masts, etc. W	8:8	
	8:21To 15th Dist-Puerto Obaldia site app.		
316936	6-1	Dist Com Supt Canal Zone	Fwds requisition covering services in yearly allowance fiscal year 1918-1919 for Canal Zone radio station. W Fwd. S&A 7/12 received back 7/29 Fwd. S&A 6/2 received back 8:13
317425	6;8 6;17	Panama Canal S & A	Fwds bills covering services and supplies furnished radio station Zone. K
326703	7;4	15th Dist	Submits quarterly inspection report of Colon Radio Station. W
297178	9/6	To 15th Dist.	Re plans & location for Rad.sta. Puerto Obaldia,R.de P. W

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N.S.E. Form 134.

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COLON:

Number.	Date.	From or To—	Subject.	
328447	7/4 7/19	15th Dist Naval Communication	Fwds quarterly report of inspection. W	
329171	7/26	To Fed. Tel. Co.	Reqts. that nec. deposit be fwd. to Cavite for expend. for antenna entrance insulator. W	
332224	None	Cristobas Sta	Sub routine and log report. W	
316938	8/1	To Rad. Balboa (T)	All approved By SE hace reqtd. S&A to cable final action. W	
333456	8/5	To S&A	Reqts. shipt. of radio amplifier from Wash. to Colon for Rad. Sta. W	
341744	8/5 8/25	15th Dist Commun.	Removal of 25 kw spark sets from Colon to Darien, submits report of the proposed plans covering. W	
347843	9/13	To S&A	Reast shipment from NY to listed radio stations Panama W radio appar tus W 9/13	793-8

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COLON

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Number.	Date.	From or To—	Subject.
244311	8/4	Colon	Recommends certain filling in be done on grounds in order to make more sanitary.W Fwd Y&D—8/22 RB 8/27
247211	8/28 8/31	Panama Canal S&A	Fwds bills for supplies and services.W Fwd S&A—9/6
254513	10/3	Darien	Fwds copy of quarterly inspection report of Colon for quarter ending June 30.W
255406	10/8	Darien	Recommends repairs to buildings.W To—Makes allott $522.10/24
255460	10/10	Darien	Recommends painting of towers at Colon.W
256179	10/22	Y&D	Repainting of radio towers.W
262519	11/12	Panama Canal	Reports suspension of work on fill at radio reservation, Colon, due to exceeding allotment.W Fwd Dept—11/24 RB 12-1 To Y&D—Directs complete work.12/5 Y&D 12-7 Y&D 1-10

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808:COLON

Number.	Date.	From or To—	Subject.	
266061	12/3 12/7	Panama Canal S&A	Fwds bills for services and supplies.K Fwd S&A--12/19	
267011	12/14	To S&A	Reqt shipt of relay key from Wash to.W2	
242801	SEE CARD 33		To Canal Zone--Grants auth for inspection trip to locate proper site. 2/13	
293321	3-18	Panama Canal	Forwards bills for work on radio stations in the Canal Zone. K Fwd S&A--3/30	
	To Balboa--4/18	To Canal Z one--4/19	Fairbanks Morse Co--4/19	
	To Fairbanks Morse '& Co--Instrns re fwding Vandykes of erection plans.4/17			
295178	3/26	Comm Offcr Canal Zone 4/15	Submits report on inspection of various sites in connection with establishment of radio station-submits estimates-Punta, Mala, Tonosi, Puerta, Obaldia.	
	Fairbanks Morris Co-fwds quo & bulletin. Fairbanks Morris Co-4/10			
	To Fairbanks Morse & Co--Reqt ests on two oil engines.4/12		To--Gives action.4/9	
	To Fairbanks Morse Co--Reqt quotation on deep well pump.4/12		To Fairbanks Morse & Co--R eqt fwd catalogs to Canal Zone. 4/9 Fairbanks Morrisnci--4/16 CARD 35	
	To Fairbanks Morse & Co--4/13		To--Gives detailed action.4/13	
291670	3/27	Fwd S&A	Lists Panama Canal Bills appvd for payment. K	
294575	4/8	Fwd S&A	Ditto. K	

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[OVER.]

COLON: RADIO

1917

Number.	Date.	From or To—	Subject.
219529	3-16	Colon	Reports return of kerosene engine; have installed as auxiliary for 5 kw set; submits estimate; are shipping old M&W engine to Balboa shops.W. To Darien--(T) Install 16 H.P. kerosene engine auth. 3/27
220709	3-22	Colon	Quarterly inspection.W
225380	4/23 4/27	Panama Canal S&A	Bill forservices.W Fwd S&A--5/3
	To Y&D--Reqt construct quarters.8/2		To Darien--(T) Instrns.8/2
225351	4/18	Darien	District control, Canal Zone District; detailed report on test of Colon station, handling both Atlantic and Pacific work.W Fwd Dept--5/14 RB 5-26
	spark sets to Darien and turning Balboa into distant control for Darien 7/9		To--Recommendations appvd.5/28
	To Y&D--Fwds blueprint of proposed antenna. 8/1		Darien submits detailed ~~estima~~ recommendations and plans for transferring oneof Balboa's
230166	5-15	Darien	Fwds requisition for the Darien, Colon, Balboa covering supplies, uptakes, yearly allowances, etc. for year 1917 and 1918.W Darien (T) request action 6/24 Fwd S&A--6/27 RB 7/2
231486	5/20	Darien	Supplies requested that have not been received on Colon requisition #5.R Fwd S&A--6/7 RB 8/16 To S&A--Reqt reply.7/27 RB 8/3
230531	6/1	Fwd S&A	Lists appvd Panama Canal Bills.
232489	5/30	Darien	Request authority to subscribe to local daily paper.W To--Disappvs.6/8

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COLON. 808

Number.	Date.	From or To—	Subject.
233575	6/1	Darian	Outline radio work 1918-19.W
229745	6/27	Wash	Fwds prints.W
236937	7/5	Darien copy	States arrangement made to examine ~~set~~ sites for 3 new radio stations at Panama, using destroyers; detachment of destroyers rendered impracticable; no other transportation.W ~~To--(T) Directs communicate with C anal Zone and make rec.7/7~~ Canal Zone R 7/13 To--Instrms.8/2
237387	6/23	Darien copy	Relative to sites; submits estimate, etc.W
241095	7/1	Colon	Fwds correctedsheets of inventory.W Colon fwds corrected sheets 9/26
242801	7/13	Darien	Radio stations in Republic of Panama; fwds recommendations relative to sites and approximate cost of certain.W Fwd Dept--8/14 RB 8/22 SEE CARD 34 To--Gives action. 8/27
			Colon recommends delaying trip of inspection until after raining season 9/17 Fwd Nav Com--10/30 RB 11/3 To--11/6 Colon - recommends trip of invest. be postponed until arrival of Sub. Chasers 1/31W
225351		OVER	Darien (R) request advise relative to kind of antennas 8/9 Y&D fwds print 8/9 ~~To Darien--(T) Directs proceed with constrn of antenna. 8/11~~ Y&D fwds copy of letter to Canal Zone.W To Darien--Fwds copy of Y&D letter.8/14 ~~To Darien--Submits further information rec'd from Y&D in connection with antenna.8/14~~
			To Darien--Reqn D-9 appvd.8/14 Darien fwds plans 8/8 Darien 10/4 Darien 11/14 To Darien--Grants auth to proceed with system.10/24

NB—0120

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COLON: RADIO

1916

Number.	Date.	From or To—	Subject.
203355	10-17	War Dept	&DARIEN: bills for repairs.W Fwd S&A--Lists appvd bills. 10/24
203479	10-18 10-21	War Dept S&A	Bill for scraping and painting towers.W Fwd S&A--10/25
208885	12-8	Colon	Request authority to expend old portable buildings from books of stations. W To Darien--Appvs rec. 1/10
209012	12/20	To S&A	Reqt shipt of one ultraudion detector and amplifier from Wash to Darien, for Colon Colon reports shipment of audion amplifier to Wash 3/15
209231	12-11 12-19	War Dept S&A	& Balboa; Darien; fwds bills for work done.K Fwd S& A--Lists appvd Panama bills. 1/11

1917

210375	1/3	Darien R	Ground improvement stopped; asks if can use combined allotment at Balboa.W To--(T) Appvs maximum expenditure $1500 improvement grounds Balboa. 1/9
Colon 5-17	1/5	To Darien T	Piston rings for air compressor mailed Dec 13th, Gaskets for condenser shipt Jan 4th. WR
210553	1/8	To S&A	Reqt shipt of one receiver from Darien to Wash for disposition. W Colon reports shipment of IP-76 receiver 294 to Washington 1/29

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COLON: RADIO 808

Number.	Date.	From or To—	Subject.
211165	12-29	Colon	Boundary line for Colon station; fwds plan and description. W
211215	12-30	Colon	Report of inspection; quarterly W Fwd Bd I&S--1/15
213282	2/2	To Darien To S&A--Shipt reqt.5/19 (2) To--Reqt list of apparatus shipt to Wash.5/28 RB 6/27 Darien reports shipment ofstorage battery to NY 6/19 Fwd Darien--6/29 RB 7/24 Fwd NY--7/3	Disposition of storage battery now at Colon Radio Station. If battery is to be shipt to NY outlines procedure. W Darien request authority to delay action on reference 2/14 To--Grants auth. 2/26 Darien recommends storage battery 2 kw set at Colon be turned in 5/1
215623	2-15	War Dept	Fwds bills for work done at and Balboa and Darien:K Fwd S&A-- Appvs. 3/24
216736	2-23	Colon	Request new relay key for 25 kw Fessenden set. W To Wash--Directs prepare plans and ests for.3/8 To--Gives action taken.3/8
216907	3/20	To Darien To--Fwds corres with instrns.5/12 RB 6/2 To Fed Co--Will accept list of spares as furnished.6/4	NSE 25-B and Bu records differ. Reqt further information. W Colom recommends against transferring engine to Balboa 3/30 To Fed Co--Lists spares and asks when will be shipt to Isthmus. 4/11 Fed Tel Co request Bu's list of missing parts 5/1

(over.)

COLON: RADIO

1916

Number.	Date.	From or To—	Subject.	
186765	4-24	Colon	Withdraws request for motor cycle; reqt repairs to bicycle. W To S&A--Reqt shipment of motor cycle from Darien to Wash. 5/11 Colon reports shipment of bicycle to Wash Yd 6/7 To S&A--Asks action taken of shipment reqt. 8/10 S&A mo or cycle received NY; have reqtd shipment to WashnW 8-15	
188155	5-9	Colon	Recommends storage battery be retained; kerosene engine not working satis. W To--(R) Asks what disposition will be made of generator. 6/16 Colon (R) reports on engines required Colon and Darien 6/17	
	To--Appvs transfer engine from Darien to Colon 7/19			
189106	5-17	Canal Zone	& Dairen; Balboa; fwds reqn for services of laborers, etc fiscal year. W. To--Gives action on reqns. 6/5	
189669	5-20	Panama Canal	comments on recommendations contained in inspection relative to garbage incinerators, arc room, plate glass, etc.	851
189735	5-25 6-1	War Dept S&A	Bills for work done. K Fwd S&A--Appvs. 6/9	
9-202 survey	6/1	To Wash	Radio receiving set; was in good condition when received at Wash Yd; understood minor repairs made and shipped to Colon; reqt information 6/1. W-Y	
174957	6-5	To Canal Zone.	Reqt detailed information as to need of engine.	604

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COLON: RADIO. 808

Number.	Date.	From or To—	Subject.
190336	5-25 6-7	War Dept S&A	& BALBOA; DARIEN; Panama Canal bills; fwds for settlement.K Fwd S&A--Appvs. 6/9
192269	6-20	Colon	Gives military reasons why additional means for supplying towers should be provided.W
193266	6-20	Canal	Quarterly inspection report.W
196466	8/4 8/10	War Dept S&A	& Darien; bill for services.W Fwd S&A-- Appvs. 8/16
198465	8/31 9/2	War Dept S&A	Fwds bills for Colon, Balboa and Darien.K&W Fwd S&A-- Appvs.9/18
199410	9-15	To Canal.	Asks disposition of certain radio material.W Colon meter and detector transferred to Darien by direction of former radio officer 9/29
200811	9-19	Darien	Quarterly inspection; fwds report.W Fwd S&A--10/7 RB 10/13 Fwd--10/17 RB 12/27
201196	10-5	Colon T	Reqt shipment by mail 30 Hudson filament bulbs. W To Sol--Fwds description of boundary line. 1/12
201329	9-28	Colon To Darien--Fwds rough sketch showing boundray line desired. Instrns. 12/5 Colon fwds print with Gov letter recommends final 12-26 To Darien--Appvs rec. 1/12	Fwds print of new boundary proposed for site; Panama Canal fills around station and leaves buildings in pocket.W To Darien--Comments on. 10/14 Colon additional corres and print relative to boundary 11/13 Darien states infor was fwded before Bu letter recd 2/14

NB—0120

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COLON: RADIO:

Number.	Date.	From or To—	Subject.
172664	12-1	To Canal Zone.	Turn in armature for shipment to NY for repairs. W
172773	11-19 11-26	War Dept S&A	Fwds bills & Dareien, Balboa.W Fwd S&A Via Y&D--12/4
		1916	
175646	12-27	Colon	Quarterly report of inspection.W
175951	1-8	Marine Corps,	Reqt Butler house, Camp Elliott, Panama, be turned over to War Dept; was turned over to Navy Dept Jan. 1914. W To-Darien--(R)Is there any use in prospect for house. 1/12 Darien (R) no use for 1-13 Fwd Dept--Rec be turned over to War Dept. 1/13
5 176344	1-15 1-16	To Darien. (R) Colon R	Asks capcity of new antenna spreaders.W New antennae not yet constructed.W
177672	1-18 1-31	Panama Canal Y&D	& BALBOA statement of expenditures. W
178110	1/25 2/4	Colon Supt Radio	Inventory.W
178776	2-1	Colon	& Balboa; fwds requisitions for bicycles motorcycles furnished unreliable.W To--Aprvs reqn for; asks if desire retain motorcycles. 2/17 Colon desire to retain motorcycles 3-2

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808 COLON: RADIO:

Number.	Date.	From or To—	Subject.	
178815	2-11	To Darien.	Wavemeter and receivers; asks disposition of. W Darien 2-23	
	Colon reports toWashn 4-4	shipment of hetrodgen	To S&A-- Reqt shipment to Wash. 3/18	
164153			Report on unsatis operation of Union Gas engine at Darien; engine satis, not suitable for work; recommendations for disposal involving changes in power supply at Colon and Balboa.	851
179470	2-18	Fwd NY.	Quarterly reports of expenditures of radio station in Canal Zone; reqts copies of recns be fwd to Radio Officer, Canal Zone. K RB 3/2 Fwd Colon-- 3/9 RB 3/30	
179655	2-10 2-19	Y&D DEPT	& BALBOA: DARIEN: cost of radion installation. Fwd Dept--3/11	
182531 17	3-15	Colon	Reports on trouble experienced in charging 300 ampere hour storage battery; describes apparatus used for charging. W To--Reqt further recommendation on. 4/10	
183046	3-28	S&A	Colon; Porto Bello, Darine, Balboa; fwds Canal bills. K Fwd S&A-- Appvs. 3/30	
184166	4-8	At Coast supt	Quarterly report of inspection. W Fwd Y&D--4/15 RB 4/20 To Darien--Comments on report on inspection. 4/19 Fwd Dept--Re boundary of tract. 4/22	
185696	4/25	Darien R	Estimate for repainting towers; with recommendations	851
174957	2/9	Colon	Outline of radio work, 1917-18; items which will require expenditures of over $500	604

NB—0120

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COLON: RADIO

Number.	Date.	From or To—	Subject.
160495	7-13	Crenshaw	Private official message wire; connection with Army headquarters; recommends Army bear part of cost.W To--(R)Make adjustment which appears best and satis to Canal. 7/14
161936 161	7/18	Crenshaw	& BALBOA; fwds corres relative to settlement under contract 2047, A. W. Kurz, for towers, delays in delivery, etc.W To Y&D--Recommendations re due to delay in com pletion of contract. 8/2
161800	7/13 7/24	War Dept S&A	Fwds bills for services and supplies for Canal Zone Radio Stations.W Fwd S&A-- 8/6
161946	7/21	Crenshaw	Fwds bills for Balboa and Colon.W
161948	7/21	Crenshaw	Fwds bills for Colon, Balboa and Darien.W
161949	7/21	Crenshaw	Fwds bill for building road and sidewalks, etc., Colon.W To--State allotment for has been exhuasted; charge to sum for Canal improvement.8/9
	8-9	To Brook.	Regn 301: incinerator for Darien; contr's submit style of kerosene burner and suggests its acceptance. W
163192	8-1	Crenshaw	& BALBOA: DARIEN: new steel towers; recommends exployment of expert to make periodical inspection; recommends E.E.Seavy. W
163215	8-12	Crenshaw R	Asks when monel metal spreader will be recd.W Bost (T) material not recd; 8 days after receipt ready 8-14 To Bost (R) asks when will be completed 8/13 TO Bost (R) asks when ready 8-16 Bost (T) advises status 8/18 T o Dar
ToDarien--advises (T) 8/19			

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COLON: RADIO 808

Number.	Date.	From or To—	Subject.
163372	8-6	Crenshaw	Fwds Canal bills for & Balboa, Darien.W
164641	8-20	Crenshaw	Re-adjustment of rental charges private telegraph line. W To-- Appvs. 8/31 Fwd Dept-- 9/10
164672	8-10 8-30	War Dept S&A	& Darien & Balboa; fwds Panama bills.W Fwd S&A--8/31
164649	8-10 8-30	War Dept S&A	Fwds Panama Bills for & BALBOA.W Fwd S&A-- 8/31
165717	9-3 9-11	War Dept S&A	Bills for, and Balboa, Darien. Fwd S&A--9/16
165992	? 9-16	War Dept S&A	& BALBOA; fwds bill for construction work.W Fwd S&A-- Appvs. 9/18
167394	9-24	Crenshaw	Fwds bills for concrete anchor post.W
169678	10-14 10-27	Crenshaw Y&D	Panama Canal bills for spark plugs; gaps; & Balboa, Darien. W Fwd Crenshaw--Make notation on bills.11/16 RB 12/30 Fwd S&A--Bills appvd. 1/5
170358	10-25	Colon	Quarterly report expenditures. W
172583	11-26 11-29	S&A Y&D	& Balboa; Panama bills for work foundations for towers.W Fwd S&A-- 12/3

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[OVER.]

COLON: RADIO

1915

Number.	Date.	From or To—	Subject.	
153492	4-20	Colon	Exciter on 5 kw set too small.W Fwd NY-- For comment and rec. 5/1 RB 5/10 To--(R) Asks what purpose auxiliary load from exciter is used for. 5/1 Fwd NY-- 5/24 RB 6/14	
153945	3-11	Panama Canal	Colon, Balboa, Darien; status of work at station.W	
154054	4-28 4-30	War Dept Dept	& Balboa; Darien; fwds bills.W Fwd S&A-- Fwds appvd 5/27	
154179	5-3 5-5	War Dept S&A	Fwds bills for services rendered.W Fwd S&A-- 5/24	
154389	5-7	Y&D	Total expenditures $141,935.49; estimate $129,967.22 W	
155406	5/11	Crenshaw	Panama bills.	851
155804	5-15	Crenshaw	Fwds panama bills.W	
155860	5/25	Crenshaw T	Reports receipt and installation of insulators, pins and brackets; Balboa'a not yet received.W Fwd Y&D-- For comment and rec. 6/3 RB 6/7 Fwd Y&D-- 7/9 RB 7/13 RB 7/18	
155811	5-16	Crenshaw	Fwds bill.W	
156124		War Dept	Fwds. bills	851

N.S.E. Form 134.

COLON: radio 808

Number.	Date.	From or To—	Subject.
156437	6-1	Y&D 10730	& BALBOA; towers; operating platform.W Retd-- Appvs est for. 6/2
156500	5-25	Crenshaw	& BALBOA: DARIEN; fwds Canal bills
157372	5-28 6-9	War Dept S&A	Fwds bills for and Darien, Balboa. W Fwd S&A-- Returns bills. 7/1
158124	6-8	Crenshaw	& BALBOA: relative to aerial spreaders for.W To Bost--Reqt two 40-ft and two 25-ft spreaders be shipped to. 7/6
158402	6-12	Crenshaw	& BALBOA: DARIEN; fwds reqn covering services required during fiscal 1916. WR To--Returns reqns; submit in accordance with 153343-914. 6/26 RB 8/19
158781	6-14	Crenshaw	& Darien; Blboa; fwds bills.W
159039	6-14 626	War Dept S&A	& DARIEN: BALBOA: fwds bills.W Fwd S&A Via Y&D-- Fwds. 7/15
159334	6-19	Crenshaw	BALBOA: DARIEN; fwds bills.W
159517	7-2	Y&D	& BALBOA; copy of letter directing inc work on towers.W
159518	7-2	Y&D	& BALBOA; reqt additional allotments, $775 covering platforms and insulators.W Retd--Allotment authorized. 7/9 Y&D copy of letter relative to allotments for operating platforms,7-12

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[OVER.]

COLON: RADIO

1915

Number.	Date.	From or To—	Subject.	
145806	1-29	Crenshaw R	Power of motor should be 7-1/2 HP; D-C. W	
146688	2-8	Y&D	Fwds report on progress of work under cont 2057; Kurz. W Retd-- Comments on· 2/15	
146691	2/5	S&A	Canal bills forwork at	851
146905	2-2	Crenshaw	Fwds bills for & Balboa. W Fwd S&A--Fwds appvd. 2/25	
146906	2-2	Crenshaw	Fwds bill for elec current, lights, etc. & Balboa. W. Fwd S&A-- Fwds appvd. 2/25	
147246	1-8 2-10	Crenshaw NY 2758-660	Relative to purchase of ammeter to replace one destroyed by fire at NY. W Fwd NY--Appvs issue of· 2/16	931
147251	2-4	Inspecotor at (Y&D	& BLABOA & DARIEN: reports status of work Jan 31. W To Y&D-- Comments on increased estimates for constructing station. 2/27 RB 5/15 To Y&D-- Rect action. 4/14 RB 4/19--awaiting reply from Panama Canal. To Y&D--Re expenditures at. 6/7	
149466	3-10 3-11	War Dept Dept	Station is ground that is property of Panama Railway; cannot be covered by Executive grant; recommends Navy obtain lease. W Fwd Dept- Noted. 3/15	
149600	3-2 3-8	War Dept S&A	Fwds Panama Bills for work done at, and BALBOA; DARIEN. W Fwd S&A-- Fwds. 3/19	

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COLON: RADUO. 808

Number.	Date.	From or To—	Subject.	
149636	3-4	Crenshaw	& Balboa; fwds canal bills. W Fwd S&A-- Fwds appvd. 3/18	
149890	3-2	Colon	Reqt authority to employ 2 helpers 18¢ per hour. To--(R) Authorizes. 3/17	
150338	3-11	Y&D	BALBOA; DARIEN; status of work; up to Feb 28	
150976	3-20	Crenshaw	& BALBOA: DARIEN; fwds Canal bills. W. Fwd S&A-- 4/19	
151475	3-25	Crenshaw	& BALBOA: DARIEN; fwds bills.W Fwd S&A-- 6/3	
151867	3/23 4/1	War Dept S&A	Fwds bills for work done at Colon, Balboa and Darien.W Fwd S&A-- Fwds appvd bills, 4/19	
152393	4-15	Crenshaw	& BALBOA; reqt authority for Canal force to repair Lowenstein tube gap.W To--(R)Plating of Lowenstein spark gaps auth; machine work to be done Darien. 4/17	
152822	4-7 4-10	War Dept Dept	& BALBOA: DARIEN; Fwds bills. W Fwd S&A--4/28	
152945	4/14	Crenshaw	Quarterly inspection; fwds report.W	
153041	4-10 4-22	Panama Canal S&A	& BALBOA: DARIEN; estimate for installing lightning protection.W Fwd Y&D--Gives allotments auth. 4/24	

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COLON: RADIO.

1014

Number.	Date.	From or To—	Subject.	
139731	11-10	Colon	Fwds copy of contract for removing North Mast in which contractors responsible for damage to material and personnel; lists property damaged and gives name of men killed. W To--Instructions. 12/5	
139738	11-6	Williams	Fwds bills for & Balboa, Porto Bello. W. Fwd S&A)- Fwds appvd bills. 11/25	
139754	11-14	NY	& BALBOA; antennae wire; 10,000' shipped Aug 3; 25,000' Oct 3; asks if 17,000' requested Oct 22 is in addition to. W. Fwd NY Via S&A-- Reqt shipment. 12/10	0113
140308	?	Williams	Fwds photos showing wreck of mast.W	
140675	11-18	Colon	Copy of letter to NY requesting repairs radiation ammemeter.W	
140891	12/1	Dept	Fwds report of Board Investigation on the falling of the north mast at Colon.W	
141013	11/19	Colon	Fwds bills, Colon, Balboa, Darien.W Fwd S&A-- Appvs bills. 12/18	
141546	12-9	Colon R	Short circuiting relay for Lowenstein set not received.W To--Will shipped when completed. 12/10	
142979	12-15	Crenshaw	Fwds bills for Colon, Balboa, Darien.W Retd-- For correction. 1/12 (Bill #10647) Fwd S&A Via Y&D--Fwds appvd bills. 1/12	

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COLON: RADIO 808

1915

Number.	Date.	From or To—	Subject.	
143453	12-1	Crenshaw	Reqt spreaders for experimental antennae be shipped as soon as possible; towers ready Jan 15.W To--(R)Spreaders delayed, probably arrive February 1st. 1/2	
144000	12-31	Crenshaw	& Balboa; Canal bills.W Fwd S&A-- Fwds appvd bills. 1/14	
144171	12-17	Crenshaw	Reqt allotment $5,000 for ground leveling and grading.W To Dept-- Rec appvl of. 2/1 rb25 appd. also appvs item for Balboa, see 144172-850) To--(R)- Appvs work. 2/5	
	Fwd Canal RB 4/22 ment $700	Zone-- Appvs work. 2/6 To--Auth monthly allot- to cover. 4/26		
Reqn #5	1-13	To Colon.	Is it necessary to employ all 5 laborers at $1.25 per day? Could part on work be done with laborers $1.00 per day. W-R	
144797	1-7	Crenshaw	Copy of letter addressed to Panama RR Co. relative to installing a private direct telefraph circuit between Panama radio station.W	
145013	1-20	Crenshaw R	Motor received without starting device.W To NY--(R)Asks when expected to arrive. 1/22 To--(R)Reqn prepared covered device. 1/27	
145120	1-20	Crenshaw R	Reqt $1960 for constructing roads and walks.W Fwd Dept-- Rec appvl. 1/26	
145285	1-12	Crenshaw	Quarterly report of inspection. W.	
145214	1/21	Y&D	Fwds progress photo	851
145452	1-25	NY R	Motor delivered does not include starting device; recommends make separate reqn for.W To NY--If not in stock prepare reqn for. 1/27	

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COLON: RADIO. 1914

Number.	Date.	From or To—		Subject.	
135523	9-29	To NY		Submit plans and estimates for construction of antennae for radio stations at COLON and BALBOA; gives instructions. W	
136096	9-26	Crenshaw		Reports shipment to NY exciter armature for return to factory for repairs.W	
136230	10-7	NY	T	& BALBOA: proposed spreaders; monel metal requires 40 days; after award of contract; reqt telegraphic approval of.W	
136310	10-7	NY	758-855	& BALBOA: antennae for radio sta: submits plans of proposed spreaders monel metal; only satis non-corrosive material. W To-- Comments. 10/9 Fwd Y&D-- Reqt comment. 10/9	
136608	10-10	Crenshaw		& BALBOA: fwds bill for lighting and wiring.W Fwd S&A-- Fwds appvd. 10/20	
136487	10/9	Y&D		Reports progress of work	851
136775	10-12	Y&D	10730	&BALBOA: reqt additional allotment $17,000.WK Fwd Y&D-- Comments. 10/15	
137132	10-16	Crenshaw	R	Reqt authority to employ 8 laborers.W. To-- (R) Authorized. 10/19	
137152	10-9	Crenshaw		Report of inspection.W	

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COLON: RADIO. 808

Number.	Date.	From or To—	Subject.	
137163	10-16	NY	& BALBOA: antennae wire for.W To-- Instructions. 10/22	
137435	10-20	Crenshaw R	North mast cracked by lightning; recommends taking down to protect building.W To-- (R) Removal authorized. 10/21	
137757	10-16	Crenshaw	& Balnoa; fwds bills for repairs. W Fwd S&A-- Fwds appvd bills. 10/29	
137752	10-14	Crenshaw	Fwds bills.W. Fwd S&A-- Fwds appvd bills. 10/29	
137753	10/10	Crenshaw	Understand lightning switches will be shipped complete from NY; also reqt details of grounding switch to be installed at Darien	851
137992	10-26	S&A	& BALBOA: DARIEN; fwds invoices from Panama canal; asks appro chargeable.W Fwd Y&D-- For comment. 10/28 rb 10 31 Fwd S&A-- 11/9	
138735	10-27	Colon	Reports damage caused by lightning.W Fwd Radio Ser--For information. 11/5 rb 11 14	
139100	11-9	Colon T	2 men killed while working on mast; married operator quarters badly damaged. W	
139730	11-6	Colon	Reports station out of commission one hour nov 2 while placing cage antennae. W Fwd Supt. Radio 11/19	

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COLON: RADIO.

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Number.	Date.	From or To—	Subject.	
130560	7-11	Crenshaw	Bills for work at Colon. W Fwd S&A.appd.7/24.	
130766	7-16	Crenshaw	& BALBOA: fwds bills for current. W Fwd S&A.appd.7/27.	
130910	7-25	Y&D 10730-85	& BALBOA: DARIEN; fwds photos showing progress of work. W	
131076	7-2	Colon	Report on 25 kw set being out of commission June 26 to July 16.Y To--7/30	
20615	7/27	To Lowenstein	Motor generators of 5 kw sets for Balboa and Colon; request prints be forwarded at earliest convenience	629
20615	7/30	Lowenstein, F.	Motor generator; exciter; for Balboa and Colon; fwds print	629
131337	7-13 7-17	War Dept Dept	& BALBOA: DARIEN: bills for service.W Fwd S&A.appd.8/4	
131698	7-27 8-4	War Dept S&A	& BALBOA: DARIEN: submits bills for work.W Ret S&A.8/8	
132135	8-8	Crenshaw	Fwds bills for circuit breakers point. W Fwd S&A.appd.8/13.	
132134	8-3	Crenshaw	Bill for repairs to motor.W Fwd S&A.appd.8/13.	

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COLON: RADIO. 808

Number.	Date.	From or To—	Subject.	
132476	8-8	Crenshaw	Fwds bills for repairs, furniture, etc. W Fwd S&A. appd 8/18.	
132567	8-11	Crenshaw	Reqt telephone installation in house of radio officer. W Fwd Dept. rec appr. 8/20.	
132568	8-11	Crenshaw	& Balboa; cranes for; reqt be expedited. W To---will be expedited. 8/19.	
133115	8-27	Y&D	Fwds. report on status of work	851
133480	8/24	Crenshaw	Colon, Balboa and Darien; lists expenditures and recommends that all previous authorizations be cancelled and lists submitted approved. W To-- Disappvd. 9/4	
134621	9-14	Y&D 10730-95	Assignment of permanent site, Panama Railroad Co. W Fwd Dept-- 9/21 rb 9 26 --Solicitor advises as to rights in the land covered by site and rec. executive order be issued placing site under control of Navy Dept.	
	Fwd Dept-- Rec matter be taken up with War Dept-- 10/3 War Dept impracticable to transfer to Navy 11-19			
134924	9-21	Fwd Dept-- Comments. 12/10 To S&A	Req shipment of radio material from NY to Colon. To NY-- Req shipment of two Lowenstein radio transmitting set to Colon. 9/21	
135162	9-15	Crenshaw	Fwds bills for work at & Balboa. W Fwd S&A-- Fwd appvd. 9/26	
135483	9-16	Crenshaw	Armature and ammemeter; shipped North for repairs. W	

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COLON: RADIO

1914

Number.	Date.	From or To—	Subject.	
126937	5/28	Crenshaw	Bill for rubber stamp.W Fwd S&A 6/12	
126979	5/29	Colon	Wave lengths; reports new adjustment of.W	
126981	6/2	Crenshaw	Fwds bill for material issued.W Fwd S&A 6/12	
127233	6/12	Y&D 2047	& BALBOA: Copy of contradt wiwh A.W.Kurz for towers.W	
127509	6/9	Crenshaw	Ground system; fwds print of porposed.W (R)to---satis.as mod.6/17 To - returns plans with modifications 6-18	
20615	6/13	F. Lowenstein	Fwds prints of radio apparatus	629
127700	6/3 6/17	Crenshaw Supt.of Radio.	Telephone and telegraph connection for radio station; fwds corres.re circuits with the Panama authorities.W Fwd Dept.comments; rec appr.6/25. RB 7 3 app d Fwd Supt.Radio.7/3. rb 9 15 Fwd Dept-- Noted. 9/21 RB 9 28 app d To Via RS-- Appvd. 10/3	
128124	6/15	Crenshaw	Bill for condenser bases.W Fwd S&A--appd 6/24	
128125	6/16	Crenshaw	Fwds bill for electric current Colon, Balboa and Darien.W Fwd S&A--appd 6/24	
128654	6-27	Crenshaw R	Big set out of commission 2 weeks; motor trouble. W	

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COLON: RADIO. 808

Number.	Date.	From or To—	Subject.	
128670	6/30	To Y&D	& BALBOA: appropriations available for next fiscal year; work not to be discontinued on July 1st. Request estimates to be charged against 1915 appr."Engineering". W To---allotment $37,000 made.7/2.	
129097	6-26	Colon	Fwds panama canal bills.W Fwd S&A.appd.7/6.	
21050	7/2	Washn	Motor cycle delivery van for Colon and Balboa; reqt instructions re shipment and inspection	629
128966	7/2	Crenshaw	Reqt rush shipment of 1200' copper stripping	850
129192	7-3	NY 2758-855-7 To Canal Zone fwds prints.8/3	Submits plans and estimates for mfg distribution board. W To---request information as to prospective delivery of motor.7/18. To Canal Zone. Fwds prints.7/18. NY fwds revised b/p	8-1
129900	7-1	Crenshaw	Bills for & W Fwd S&A.appd.7/16.	
130103	7/7	Crenshaw	Fwds bill.W Fwd S&A.appd.7/20.	
130236	7-16	Crenshaw R	Big set in commission July 16. W	
130446	7-15	War Dept	Work on radio stations Canal Zone; cites instance where original request covered $20,000 and afterwards expended $60,000; reqt that similar work be pursued with definite plan agreed upon before work is started.W Fwd Y&D.7/23.	

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COLON: RADIO 1914

Number.	Date.	From or To—	Subject.	
121786 121816	3-31	Colon	& PORTO BELLO: fwds ICC bills.W. Fwd S&A appd.4/10.	
121816	3-27	Colon	Bills, ICC for material furnished.W Fwd S&A.appd.4/9.	
121949	4-8	Y&D 2047 BELOW	& BALBOA: steel towers; fwds bids; recommends award to A.W. Kurz. W. Fwd Dept.4/10 RB 4/17 Y&D changes recommendations, now rec.award to Milliken Bros. so as to divide work among different concerns. Kurz has Wash. Key West and Bost.Ids.	
122562	4-1	Crenshaw	Quarterly inspection. W	
122573	4-6	Crenshaw	Fwds bill for repairs to typewriters.W Fwd S&A.appd.4/16.	
121949		SEE ABOVE	Fwd Dept.calls attention to importance of expeditious completion of work.4/17 RB 4 28 Fwd.Y&D 4/23	
123230	4/23	Y&D 10730-38	& BALBOA: recommends Panama Canal be authorized to construct tower foundations for W. Fwd Dept.rec appr.4/24. RB 4 30 appd Ret---asks how much of this sum will be spent during present fiscal year.4/30.	
123815	4/30	Crenshaw R	& BALBOA: houses for: quartermaster desires to substitute different buildings for operators	850
124137	5/5	To Colon & Ord	Reqns for arms and ammunition disappd; requests Ord.furnish	851

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COLON: RADIO. 808

Number.	Date.	From or To—	Subject.
125273	5/9	Crenshaw	Requests authority to improve ground system.W TO (R) pappvd 5-20 & Balboa
125342	5-20	TO Crenshaw	Expende Pierce wavemeter from books; Shipped from NY after repairs, to Washn. W
125567	5/22	Colon	BALBOA, PORTO BELLO and DARIEN; fwds bills.W Fwd S&A 5-23
125839	5/18	Crenshaw	& BALBOA: fwds bill for electric current.W Fwd S&A 5-27
126282	6/2	Y&D	& BALBOA: Expenditures by Canal labor on buildings: total $40,000 for buildings and $10,000 for sewer, water, grading,etc. W
126303	5/22	Crenshaw	Fwds bills for electric current,etc.W Fwd S&A appd 6/6
126309	5/25	Crenshaw	Antenna: makes recommendations and requests Bureau design.W To--6/16
126310	5/24	Crenshaw	Gives description of electrical apparatus, current required,etc. Recommends wiring of machines in powerhouse and operating buildings be done by station force, except light wiring.W To Colon--NY--instructions 6/5
Crenshaw 6/15 (R) have two 2-kw alternater one on oil engine base. Also nec. induction motor shaft. Will use spare machine either at Colon or Balboa.W To--6/10 Crenshaw comments on instruns 6-10 6-30			To F. Lowenstein--Reqt plans for 5-kw radio sets purchased on contract 20615 for installation at Colon and Balboa 6/5

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COLON: RADIO

1914

Number.	Date.	From or To—	Subject.	
117080	2-6	Dept	Quotes radio changing address of Crenshaw from Camp Elliott to Colon. W	
117771	2-13	Arlington	Condenser bases; fwds print Fessenden type W To Colon·fwds print showing movable base; mfr of 8 movable bases authorized. Necessary install 25-kw inductances over the 25-kw condensers.2/17	
117986	2-16	Marine Corps	Gives value of furniture to be transferred to quarters of Officer in Charge Radio Stations, Colon/W Fwd Dept.reds Maj.General Commandant be informed that transfer has been authorized. 2/19.	
118105	2-8	Colon	Reqt bicycle for messenger service. W To---directs submit reqn for motorcycle 2/24	
118173	2/20	To Colon	Machinery lay-out; forwards print.W Crenshaw satis with slight changes 3-3 Crenshaw machy layout poer house 3-10	OVER
118305	2-21	Dept	Copy of letter from War Dept turning over quarters formerly occupied by Marine Detachment.W Fwd Dept.2/25.	
118496	2-30	Colon	Reqt spare rotor for industance motor. W Fwd NY.prepare reqn for.2/26. RB 3 6 To---reqn.prepared for.3/9.	
118497	1-30	Colon	Quenched spark gap; reqt spare parts.W To---reqn will be prepared.2/26. Fwd NY.mfr of material authorized.2/26 RB 3 20	
118498	1-30	Colon	Oil engine; reqt spare parts for; submits cut showing size. W Fwd NY. prepare reqn for nec.spare parts. 2/26 RB 3 6	

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COLON: RADIO 808

Number.	Date.	From or To—	Subject.	
118528	2-16	Colon	Bills for Balboa, Porto Bello and Colon.W Fwd S&A.appd.2/27.	
118713	2-16	Crenshaw	House for officer in charge radio stations;re.W	
119721	3-7	Colon	Fwds bill for and Porto Bello.W Fwd S&A.appd.3/13.	
119740	3-5	Marine Corps	Gives appraised value of furniture for quarters for Chief Elecn. W Fwd Dept.rec transfer.3/13. RB 3 20	851 851
119693	3/6	War Dept.	Balboa and Colon; structural steel for towers; corres with A. H. McCay re their admission free of duty under Panama Act. Summarized opinions that material is subject to duty Panama Republic except when actually used for Canal construction.	850
118173	#3/13	SEE OTHER SIDE	To Colon. Mach'y lay-out will provide for storage battery room on south side; revised plans will be furnished.3/13.	
120005	3-14	Y&D	Fwds revised location plan for radio buildings.W	
119995	3-5	Crenshaw	Reqt motor cycle. W	
120005	3/16	To Colon	New installation; forwards prints.W	
121363	3-23	Crenshaw	Bills for & Balboa. W Fwd S&A.appd.4/4	

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COLON: RADIO. 1913

Number.	Date.	From or To—	Subject.
109966	11/11	TO Dept.	& BALBOA: requests authority to proceed with necessary alterations of stations.W To Y&D.Requests preparation of plans and estimates for work.11/11 RB 1115
110565	11-8	Colon	Gives dimensions of 25 and 2 kw sets at sta.W Fwd Y&D.11/19 rb 105
111409	11-18	Colon	Fwds bill for current.W Fwd S&A.approved.12/1.
111855	11-24	Colon	Fwds bills for elec current. W Fwd S&A.appd.12/4
112617	12-5	Colon	Ownership of land; fwds map showing buildings, and extent of reservation; land owned by Panama Railway Co and not covered by lease. W (R) To---directs confer with Maj.Butler and Canal Com.re site.12/13. Crenshaw letter re new site mailed Dec 17.(R)
113474	12-18	Colon	Fwds bills for material.W Fwd S&A.appd.12/27.
113535	12-17	Colon	Recommendations for site on Govn land; submits plan showing proposed location.W
113776	12-19	Colon	Fwds bill for current & Balboa. W Fwd S&A.appd.12/30.

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COLON: RADIO 808

Number.	Date.	From or To—	Subject.	
113780	12-22	Colon	Stand by outfit; reqt authority to purchase 7-1/2 HP induction motor from Isthmian Canal Com. W (R)to---purchase appd.12/30.	
113875	12-31	Crenshaw,Lt	Reqt set of head phones for listening in. W To S&A.request shipment from NY.1/2	
		1914	1914	
114183	1/3	Y&D	& BALBOA, reqt that $45,000 be alloted Colon, for steel towers. RB 1/4	850
114715	12-31	Colon	Quarterly report inspection.W	
		~~1914~~		
115045	1-12 1-12 Fwd 2/19	Crenshaw R Supt Radio Marine Corps via Y&D	Recommends CO house Camp Elliott be transferred to Officer in Charge Radio Stations; requires $2,000 to remove to suitable location.W Fwd Dept via Marine Corps;with rec.1/16 RB 2/10 Fwd Dept.2/11. RB 2/19 appd (R)to---transfer authorized. Submit plan location Darien reservation.2/19	
116163	1-28	Crenshaw	Reqt permission to move house from Camp Elliott be sent by radio.W (R)to---cannot grant until final approval of Secy.1/28	
116416	1-21	Crenshaw	Fwds bills for stations of zone. W Fwd S&A.appd.2/2.	
116946	1-27	Crenshaw	Gives reasons why house at Colon should be moved. W (R)to---no appro.for trasnfer; reqst rec re quarter pending completion of Darien.2/6 Fwd Dept via Y&D and Supt Radio. rec appr of transfer.2/7	

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[OVER.]

COLON:RADIO 1913

Number.	Date.	From or To—	Subject.	
102374	7-18	Colon	Fwds bills for Porto Bello,balboa,etc. W Fwd S&A appd.7/28.	
102375	7-16	Colon	Fwds bill for work on sewer; reports exceeding estimate on repairs to mast,W To S&A.fwds bill appd.7/28.	
102475	7-11	Colon	Fwds report of inspection.W Fwd Dept.7/30.	
103662	8-4	Colon Fwd Chas.1/21.	Recommendations for reliable stand-by. W To--apps 9/23 Colon:reqt. Bu make recn. 10-11 To---& NY.directs NY make recn for.10/21 Colonn 10-29	
103953	8-19	Colon	Fwds bills for supplies.W Fwd S&A.appd.8/20.	
104216	8/23	To	If can install temporary low antenna over roofs without requiring official action part of Bureau, take immediate steps to complete same during present tests.	903
104363	8/26	From	3000' antennae built in time for test Tuesday: arc readable tonight.	903
104672	8/30	Colon	TESTS: corrects height of temporary aerial	903
105510	9/12	Colon R	Tests, reqt permission to take down temporary antennae used during ARLINGTON TEST	903

N.S.E. Form 134.

COLON: RADIO 808

Number.	Date.	From or To—	Subject.	
106351	9-15	Colon	Fwds bills for & Porto Bello, & Balboa.W Fwd S&A 9-27	
106517	9-17	Colon	Fwds bill for hauling. W Fwd S&A 9-29	
107361	9/19	Denver	Tests between DENVER And ship.	903
107615	9-30	Colon	Report of quarterly inspection/ W	
107796	9-30	Colon	Quarterly inspection report.W	
108452	10/21	To Colon R S&A.	Request report present condition of buildings, and recommendations for location new steel towers and buildings for 5-kw station.W To---Supplements radiogram; also includes BALBOA. 10/22	
109377	10-27	Colon	Recommendations for permanent buildings. W. (R)to---request dimensions of 25 and 2-kw sets; also distances between centers.11/4 Fwd Y&D.11/12 rb 10 5	
109715	10-29	Colon	Fwds bills for and Balboa, Porto Bello.W Fwd S&A.appd.11/8	

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[OVER.]

COLON: RADIO.

Number.	Date.	From or To—	Subject.	
94572	4/9	Marconi Co. T	Long distance station Canal Zone: requests opening of bids be postponed one month. To---Postponed until May 3d.4/10. To---Opening postponed to May 10th.4/12 To Y&D (For Secy's sig)directs postpone opening to May 10th.4/12.	851
94783	4-9	Marconi Co	Canal Zone station; takes further exception to specns and gives reasons for desiring extension of time to make bid. W Fwd Dept.4/14.	851
95389	4/21	Colon	& PORTO BELLO: Requests allowance lists of first-class battleship be forwarded for use of.W To--S&A will furnish list of stores,etc 4/22 Fwd S&A 4/22	
95859	4/26	To NY,Chas & S&A	Wave meters, Bu. reqn 342, reqt shipment of one to Chas. abd one to Colon.	893--4
96141	4/22	Colon	Fwds bills for Colon, Balboa and Porto Bello.W Fwd.S&A--Appd.5/2	
96864	4/23	Colon	Fwds I.C.C.bills for Isthmian radio stations.W Fwd S&A.appd.5/10.	
97179	5/13	To S&A	ARLINGTON; reqt transfer of one heterodyne receiving outfit from, to COLON.	841

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COLON:RADIO: 808

Number.	Date.	From or To—	Subject.	
97459	3-31	Colon	Bill for repairs to mast and circuit breaker, and steel twoer c/ Balboa. W Fwd S&A.appd.5/17.	
98057	5-16	Colon	& BALBOA; bills for current. W Fwd S&A appd.5/27.	
98058	5-16	Colon	Repairs to circuit breaker; fwds bill.W. Fwd S&A.appd.5/27.	
98771	6-4	Colon R	Req't. authority to ship repair work to NY at discretion. W (R)to---To---via S&A.appd: instructions: request shipping instructions.6/6. RB 6-11 To---& S&A.request issue shipping instructions and blanks.6/12. Colon copy of letter to NY. 7-15	
100685	6-21	Colon	& BALBOA: PORTO BELLO: fwds bills. W Fwd S&A.appd.7/3.	
101981	7-11	Colon	Report of inspection. W	
101816	7/11	Colon	ALLOTMENTS: submits amounts per quarter	602
102186	7-15	Colon	Fwds bill for elec. current, Balboa, & Colon, supplies,etc.W Fwd S&A.appd.7/24.	

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[OVER.]

COLON: RADIO 1913

Number.	Date.	From or To—	Subject.	
91883	3-6	Y&D 1948	High power radio station; fwds copy of proposed specns. for towers; also copy of advertisement.W To---Spcfns satisfactory.3/10.	-
91915	2-26	Colon	Fwds bills for repairs to & porto Bello.W Fwd S&A appd.3/8.	
92091	3-8	Y&D 10730-3	High power station Canal Zone; fwds report and recommendations Civil Engineer Carlson.W	
92190	3/11	To Colon	ARLINGTON: instructions for conducting tests with, & SALEM.	841
92412	3-11	Marconi W.T.Co.	Reqt. opportunity to bid on h.p. station Canal Zone. W To---deposit required to ensure return of spcfns.3/14.	
92556	3-14	Nat.Elec. Sig.Co.	High powered station;reqt. opportunity to bid on.W To---can obtain spcfns from Y&DS.3/15.	
93474	3/7	Colon	Requests for furniture, kitchen utensils, etc.W Fwd NY 3-27 RB 4-2	
93662	3/29	To Atlantic Communication Co.	(For Secy's sig.) Spcfns #1948 for high power radio station to be erected in Panama Canal Zone; comments.(Reply to letter of 26th) To---Ack reply of Mar.26th. 4/1. To---& Marconi W.T.Co. comments; adheres to former decision.4/7. To---opening of bids deferred until May 3d.4/9.	

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COLON: RADIO. 808

Number.	Date.	From or To—	Subject.
93867	4/1	To John W.Griggs.	Ack receipt of letter of Mar.25th in connection with radio station to be erected in Panama Canal Zone (For Secy's sig.) To---Opening of bids deferred until May 3d.4/9. Marconi reqt. be deferred to 5-20. 4-10 Fwd Dept.4/15.
94055	4-3	Hepburn, Lt.Comdr.H.A.	Canal zone high powered station; reply to protest of Atlantic Communication and Marconi Companies in connection with specns for equipment for. WC
94187	3-24	Colon	Fwds bills for, and Porto Bello. W Fwd S&A.appd.4/5.
94379	4-4 4-7	Nat.Elec.Sig. Co. Dept 12479-407	High powered staton Canal Zone; reqt. time of opening of bids be extended to May 1st.W. Ret Dept.rec appr.4/8. RB 4/11 app'd To Co:date of opening deferred until May 3d. 4/9.
94524	4-3 4-7	Nat.Elec.Sig.Co. Dept	High powered station Canal Zone; reqt. be notified date of hearing in connection with specns. for. W. To Co·No formal hearing arranged.4/10.
94573	4-9	Milliken Bros	As subcontractors for towers;reqt. postponment of opening bids.W. To---Opening deferred until May 3d.4/10.
94589	3-25	Colon	Porto bello; fwds bill for elec current.W Fwd S&A.appd.4/11.
94504	4/10	To Federal Telegraph Co.	Opening of bids for high power station in Canal Zone deferred until May 3d.W

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COLON: RADIO

1913

Number.	Date.	From or To—	Subject.	
88649	1-21	Federal Tel. Co	High powered Station Isthmus: submits specns. containing proposition for installing 100 kw set with approx/ cost. W. (T)to Adr.Cone. Advising.1/27. (T)to---proposals satisfactory.1/27/ To---confirms telegram.1/28.	
88664	1-16	Colon	Fwds bill for elec.light,etc.W Fwd S&A appd.1/28.	
88672	1-27	Chief of Bureau T	Proposed Federal Co. proposition OK if approved by Asst Chief & Hepburn. W.	
88798	1-1	Colon	Description. W	
88951	1/30	Federal Tel.Co. Makes appt.22-23;2-14	Requests signify preference of powerhouse plans.W (T)to Comdr Hepburn.Advising.1/31. (T)to---& letter to---proposed type of power installation under consideration.1/31 To---submits plan of power installatn.2/6.	
89082	1/21	WYOMING	Reports on radio condition in vicinity of Colon, Key West, and Guantanamo.W	
89112	1/31	United Fruit Co.	Re erecting a commercial station at	891
89340	12-24	Colon	& PORTO BELLO: reports on inspection. .	
89341	1-21	Colon	List of supplies required from NY Yd.W Fwd NY.directs furnish.2/4.	
89342	12-25	Colon	& PORTO BELLO; fwds bills for labor.W. Fwd S&A appd.2/4.	

N. S. E. Form 134.

COLON: RADIO 808

Number.	Date.	From or To—	Subject.	
89506	1-29	Colon	Fwds bills covering repairs to mast and path at Porto Bello. W. Fwd S&A.2/6. Colon 4/30.request re-tnpn of bills.W Fwd S&A.reqst bills be returned to Colon.5/10 RB 5-14	
89825	1-29	Colon	Temporary station at Balboa; currect available; can use stack of Balboa Power Co. for one year.W	
90159	2-1	Colon	Reqt. additional furniture for yeoman.W Fwd NY VIA S&A recom. shipmt 2-14 RB 3-21	
90196	2/13	To NY	Articles required at station#; directs reqn be prepared for.W	
90716	2-18	Colon	Reqt. stationery.W Fwd NY.reqst submit reqn for steel filing case,etc.; reqst prepare allowance list of stationery,etc. for Balboa.2/20 RB 3-6 Fwd NY via S&A.allowance list for Balboa approved. 3/12. RB 5-23	
90892	2-10	Colon	Reqt. 1000 panama stamps. W. Fwd Supt. instructions 2/26	
91104	2/17	Colon	Fwds bill for electric current.W Fwd S&A appd 2/26	
91105	2/15	Colon	~~fFwds request for supplies.W~~ RB 3-22 Ret NY.recommendations appd.3/22 RB 3-28	
91310	2/27	Y&D 1948	High-powered station Canal Zone; method of requesting proposals for construction of towers,etc., which come under Y&D; requests that spcfns be so drawn that one bidder may secure contract for work under both Bureaus.W Fwd Dept.comment and rec.3/1. Ret---3/8. RB 3-17	

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COLON RADIO STATION. 1912

Number.	Date.	From or To—	Subject.	
83622	11-18	Colon	Fwds bill for armature shafts. W. Fwd S&A appd.11/27.	
83623	11-18	Colon	Fwds bill for elec. current. W Fwd S&A appd.11/27.	
83624	11-13	Colon	Fwds bill for pulleys,etc. W. Fwd S&A appd.11/27.	
83625	11-13	Colon	Fwds bill for supplies.W. Fwd S&A.11/27.	
84099	11-26	Colon	Rect. exchange of armatures and repairs to other apparatus; recommends be made by NY Canal commission charges excessive.W Fwd NY.Instructions.12/4. RB 12.9 To---NY requested to purchase armatures; work to be done at NY.12/10.	
84332	12/2	State Dept	Apparatus purchased from PANAMA Govt. no objection to amount due being paid to Consul General Panama at NY.	876
85731	12-14	Colon	Fwds bill for current, etc. for and Porto Bello. W Fwd S&A.appd.12/23.	
85732	12-13	Colon	Submits estimate for installing apparatus in new station at East Balboa. W. To--proceed with erection 1/9	
85733	12-13	Colon	Fwds bill for repairs. W. Fwd S&A appd.12/23.	

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COLON: RADIO 808

1912

Number.	Date.	From or To—	Subject.
86639	12-18	Colon	Report of inspection. W
86679	12-14	Colon	Fwds report showing stations that can be ~~hearing~~ heard during daylight and chances of being able to work with M.Is.W. Fwd Sup.Radio 1/8
			1913
86824	1-7	NY BELOW	Civil Engineer Carlson detailed for observation Panama Canal; can give services in connection with new radio station. W. Fwd Nav. reqt orders 1/9 To Secy of War.Fwds copy of report on insp.of Wireless Imp.Co's radio set.1/17. To Mr.Carlson. Instrn re high-pwrd sta.1/17 BELOW
87626	1-2	Colon	Fwds list of supplies required. W. Fwd NY,request preparation of material for Colon.1/16. RB 1-21 NY prices. 2-4
86824		SEE ABOVE	To War Dept (Sec sig). C.A.Carlson ordered to Canal Zone; requests Canal Com.extend facilities:1/18.
88152	1-9	Colon	Fwds bills for material and supplies.W. Fwd S&A.appd.1/22.
88514	1-20 1-24	War Dept Dept	Have issued instructions to Isthmian Canal Com. to extend every facility to Civil Engr. Carlson, in selecting site for high power station.W.

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808
COLON.

1912

14

Number.	Date.	From or To—	Subject.
76699	8/15	Colon	Reports work requiring to be done at station.W To - arrange with Com. for repairs - limit cost 8/28
77894	9-12	Colon CO T	Repairs to wireless mast $2150. Time 90 days; reqt. authority before proceeding. W Fwd Dept. reqt appl. 9/12 RB9-14 appd To-(T) auth 9/14
77895	9-12	Colon C.O. T VOID	DES MOINES Reqt. immediate shipment by mail of variometer and transmitter.W To--DesMoines. N.Y. & S&A. reqt shipment 9/12 (T)to DES MOINES.directs make temporary repairs.10/24. 185-6
78442	9-9	Colon	Fwds list of stores required.W. Fwd N.Y. 9/23 RB 9-28
78568	9-14	Colon	& Porto Bello; fwds bills for elec. light and telephone service. W Fwd S&A appvd.9-24
79097	9-17	Colon	Repairs to mast and rigging; explains large amount required.W
79401	9-26	Colon	Submits estimate and prints in connection with erecting apparatus purchased from Panama at East Balboa. W To---Instructions.11/16.
79771	9-27	Colon	Fwds bill covering material supplied. W. Ref. S&A 10/9
79968	9-29	Colon	Fwds bill for repairs to dynamo armature.W Fwd S&A- fwd appd 10/11

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N.S.E. Form 134.

COLON 808

Number.	Date.	From or To—	Subject.	
80185	10/14	To Nav.	True bearings of various points from center of Panama	
80296	10-7	Colon	Fwds reqt. for supplies.W Fwd S&A.reqst be shipped from NY. 10/18.	RB 12-4
80186	10/14	To	Bu. has made recn covering apparatus purchased from Panama Government, material to be held at.	876
80687	10-11	Colon	Fwds bill for elec.current. W Fwd S&A appd.10/22.	
80757	10-19	Navgn	Panama; gives true bearings of various points. W	
81167	10-18	Colon	Fwds bill for supplies. W. Fwd S&A.appd.10/28.	
81646 1 8	10/26	Colon	Reports receipt of one 1-pø-76 receiving set from PANAMA govt.	876
83112	11-11	Colon	Fwds list of supplies requested from NY.W To---NY,S&A.Reqst shipment from NY.11/21. RB 12-16 To---Certain items not appd - lack of funds.12/16.	
83595	11-14	Colon	Return of empty oil drums to Canal Com.W Fwd S&A.with rec.11/30.	

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[OVER.]

1912

COLON:

Number.	Date.	From or To—	Subject.	
70212	5-24	Colon	Fwds bill for manufacturing parts.W Fwd S&A.appd.6/3.	
71084	6-5	Colon	Reports on new type detector received from ~~National Spe~~ Wireless Spec. Co W Fwd NY.6/14 RB 6-19	
71871	6-13	Colon	& PORTO BELLO: bill for material and supplies.W Fwd S&A.appd.6/24.	
72285	6-17	Colon	& PORTO BELLO; fwds bills for elec'current.W Fwd S&A.appd.6/28.	
72965	6-28	Colon	Fwds bill for repairs to apparatus. W Fwd S&A.appd.7/10.	
73520	7/3	Colon	& PORTO BELLO: Fwds report of inspection.W Fwd Nav. 7/17 RB 7-26	
73670	7/9	Colon	Fwds bills for material supplied Colon and PORTO BELLO.W Fwd S&A 7-18	
73915	7/11	Colon	& PORTO BELLO: fwds bills for repairs, material, etc.W Fwd S&A' appd 7/22	
74184	7/16	Colon	Reports on efficiency of new detectors.W	

N.S.E. Form 134.

COLON: 808

Number.	Date.	From or To—	Subject.	
74220	7/13	Colon	Fwds bill covering treatment of sick.W Fwd Nav.7/26.	
73790	7-19	TO Colon	Log; reqt. certain add. information.W	
74182	7/16	Colon	MESSAGE, reports communicating with ships across the Isthmus.	892
74550	7/29	To Colon W	Henry Seymour: requests mail addresses and statement as to present whereabouts.W (W)Colon.Gives address.8/10. To Hon.W.A. Smith.Gives information.8/10.	
74978	7/24	Colon	Fwds bill covering services of machinists.W Ref S&A. appd. 8/5	
75000	8/5	Colon via Key West T	Have found necessary to order radio set, being purchased in Panama, to Camp Elliott for inspection and test.W	
76320	8/9	Colon	Reports re-rating of field of 25-kw generator.W Fwd NY.for estimates.8/22. 9-11 Fwd NY. Reqt regn be made 9/11 To-- will be furnished 9/11	
76336	8/14	Colon Fwd	Fwds bills for current.W Fwd S&A.appd.8/22.	
76339	8/8	Colon	Makes report on radio set offered by the Govt. of Panama for sale. Recommends purchase and erection near Balboa.	876

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Number.	Date.	From or To—	Subject.	
66809	4/19	NY	Exciter motor, auto starter for, submits estimate for rewinding.	882--3
---	4/22	To G.H.Clark	S&A requests reports of shipments be prepared covering all bills of lading not previously reported; and such be fwd monthly in future.W	
67017	4-12	Colon	Fwds bill for supplies furnished Clark.W Fwd S&A. appd.4/27.	
67058	4-24	Colon T	Oil engine arrived; installing; completing detail work.W	
67118	4/23	Dept. 12479-407-11	Dept of State fwds copy of despatch from American Minister at Panama re erection of wireless telegraph stations in Panama.W Ret---5/4.	
67153	4/15	Colon	Fwds bills for electric current, repairs, etc.W Fwd S&A.appd.4/27.	
67318	4/14 4/20	G.H.Clark Colon	Reports on sites for erection of high-powered stations in Panama.W (W)to Colon.Reqst drawing showing exact location.4/27.	
67314	4/6 4/18	G.H.Clark Colon	No decision reached by commission re voltage of War Department power plant.W	

N.S.E. Form 134.

COLON 808

Number.	Date.	From or To—	Subject.	
68032	5/6	Colon	All engines installed, calibration and adjustments practically completed, Clark leaves on 9th. W	~~808~~
68421	5/1	Colon	Request stationery supplies. W Fwd NY. directs furnish items. 5/10. RB 5-20	
68365	5-6	Norf	Engine and generator parts; asks to whom should be charged. W Fwd S&A. Should be invoiced to C.O., U.S. Marines, Camp Elliott. 5/10. RB 5-18 Fwd S&A. Chargeable to "Eq. of Vessels". 5/20.	
68780	5-16	Colon	Fwds bill for manufacturing aerials, etc. W Fwd S&A. appd. 5/15.	
69358	5-10	Colon	Fwds bill for elec/ current. W Fwd S&A 5-23	
69345	5-14	Colon	States Canal Commission agreed on strip 1000' long 500' wide on dumps of Balboa for radio station. W	
69363	5-11	Colon	Reqt. 15 Fessenden insulation tubes. W Fwd NY for action. 5-23 RB 6-5	
69901	5-17	Colon	Reqt. shipment of refrigerator be expedited. W Fwd NY. 5/31. RB 6-6	
69902	5-15	Colon	Fwds bill for plumbing and so forth. W Fwd S&A. appd. 5/31.	

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[OVER.]

COLON: W.T.STATION. 1912

Number.	Date.	From or To—	Subject.	
64076	3/20	To Y&D	High-powered radio station in Canal Zone; Requests plans and specifications be prepared for a 300-ft.self-supporting steel tower, and a 400-ft. similar tower.W	
64301	3-23	Colon W	Generator and relay key breaking down; large antennae made up. W	
64326	3-22	Norf W	Oil engine generator be shipped Mch. 8. W (W) to Colon.Advising.3/23.	
64302	3/23	Colon	Clark stats N.E.S Co. motor at wireless sta. is awaitin further use driving gap.	882-3
64605	3/26	To Pac.Flt.	Vessels in harbor of Panama can communicate with Colon radio station by use of long wave lengths.W	
64793	3-19	Co on	Bill for current.W Fwd S&A.appd.4/1.	
64792	3-19	Colon	Bill for repairs, material, supplies. W Fwd S&A.appd.4/1.	
65118	3-31	Colon R	Reports breaking halyards large antennae delay one week.W	
65164	3-24	Colon	Reports inability to send 157 word message of Secy State due to breaking down generator. W	

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COLON: W.T.STA. 808

Number.	Date.	From or To—	Subject.	
65361	3-29 4-3	War Dept Dept 12479-407-8	Isthmian Canal Commission; fwds corres. maps, etc. re proposed site for high power station in Canal Zone.W	
65338	4/2	House Committee on Naval Affairs.	APPRO. for new long distance wireless stations, asks if present station at Colon cannot be operated in conjunction with 4 new long distance stations to avoid erecting new one.	604
65513	3-27	Colon	Fwds bill for work on mast.W Fwd S&A. Fwds appd bill.4/6.	
65519	4/4	To Colon W	Berlin Convention ratified. Adjust Colon two sets for tunes A, F, J and higher at idscretion.W	
65650	3-15 4-5	Nat.Elec.Sig.Co S&A	Fwds bill for balance due on apparatus furnished. W Fwd NY. for information as to delivery of key resistance and reactance coil.5/22.	
65928	3-29	Colon	Fwds bill for manufacturing articles for.W Fwd S&A. Fwds approved bills.4/11.	
66284	4-13	Colon W	Satisfactory short wave length antennae developed; instruct permanently to-morrow.W	
66294	4-2	Colon	Fwds bill for supplies furnished YORKTOWN. W Fwd S&A.4/18.	

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[OVER.]

COLON: W.T. STATION

1912

Number.	Date.	From or To—		Subject.	
61772	2-12	Colon		Fwds data on proposed w.t. station to be erected in repub. Panama in connection with interference with new high powered station.W	
61812	2-13	Colon		Fwds bill for repairs.W Fwd S&A. appd.2/24.	
61835	2-14	Colon		Fwds bill for elec. current.W. Fwd S&A. appd.2/24.	
61914	2-23	Colon	W	New Frijones site unsuitable on account being on private property and too low.W.	
62305	2-29	Colon	W	Asks date shipment antennae wire, gen. gil engine, from NY. W Fwd NY for the infor.desired 2/29. RB 3-4 Fwd Norf. do. 2/29. RB 3-8 (W)to---Will be shipped this date.3/6.	
62334	2-16	Colon		Reqt. typewriter and refrigerator. W To NY.Directs supply.--To---NY to furnish. 2/29.	
62316	2-28	Colon		Fwds bill covering material & supplies.W Fwd S&A.appd.3/1.	
62657	3-5	Colon	W	Erecting topmast for receiving aerial.W	
62860	3-4	Norf	1363-1931	Reports M&W oil engine 6008, ready for shipt to, originally intended for Diamond Shoals; fwds b/p.W Fwd S&A.Requests expedite shipment.3/11. RB 3-25 (W)to Norf. Reqst date shipment of to Colon.3/20.	

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N.S.E. Form 134.

COLON: W.T.STATION 808

Number.	Date.	From or To—	Subject.
62900	2-27	Colon	& porto Bello; fwds bill for work on aerial spreaders. W Fwd S&A.appd.3/7.
62918	2-28	Colon	Bill for repairs to protable mast.W Fwd S&A.appd.3/7.
62940	2-26	Colon	Fwds report on selection of site for h.p. wireless station in Canal Zone. W (Balboa & Cristobal)
63078	3-8	Key West T	Quotes wireless reqt. generator for be sent without oil engine: can use with induction motor.W
63553	3-4	Colon	Report of inspection;alsoPorto Bello: Recommends transfer of operator C.Snowman.W To---Two ordinary type field radio sets being repaired. for use in Canal Zone.3/16
63552	3-6	Colon	Re type field wireless sets required for testing sites,etc.W
63640 VOID	3-14	C&R VOID 13976-A.7	Reqt. sizes standard seachlights in connection with making covers for. VOID
63725	3-16	Colon W	Top mast erected; receiving antennae ~~ree~~ installed; urgently need small generator.W
64010	3-8	Colon	VICKSBURG reqt. data as to movements Mail steamers; will send out information each day at 11 O'clock. W

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[OVER.]

Number.	Date.	From or To—	Subject.	
59713	1/27	To Washn,S&A	Shipment of two portable W.T.masts to Colon.W	
59830	1/20 1/27	Sands, A.B.Sons Co S&A	Reqt.information re size of mirrors for chiffoniers,etc. W Ret S&A.considers mirrors without frames should be supplied.1/30.	
59961	1/29	NY	GEN. set: reports on examination of 7-1/2 HP induction motor returned by: for repairs	882-3
60046	1/31	Colon Cable	Believes Panama country and Freuit Company going to erect 2 wireless stations; will interfere with proposed station; reqt. decision. W. Fwd Dept.Quotes telegram sent 1/31. 2/2. RB 2-5 (W)Matter covered by correspondence.2/1.	
60342	1-27	Colon	Fwds bill for material & supplies.W Fwd S&A.appd.2/5.	
60401	2/3	Colon T	Telefunken representative arrived and is looking over site. W	
60523	2-6	Key West T	Quotes wireless from Colon; states HANNIBAL'S Telefunken detector insufficient; reqt. transfer of receiving set in possession of sub-inspector ; re-inspecting Balloa site. W (W)to Colon.Transfer authorized.2/7.	
60711	1-31	Colon	Has only Western Union code and reqt. Navy. W Fwd Dept.2/8.RB 2-12	

N. S. E. Form 134.

COLON: 808

Number.	Date.	From or To—	Subject.
60712	2-1	Colon	Reports further re establishment of stations on Panama W
60761	2-8	Colon T	Reqt. Bure u confer with War Department as to decision re site for low power station; site depends on location of 6" battery, Pacific Coast side. W Fwd Dept. Quotes telegram. 2/9.
60735	2-8	Key West T	Quotes wireless from Colon stating high power station site unavailable on account mistake in reading map; recommends another site. W (W) to Colon. San Pablo site appears favorable. 2/13.
60900	2/10	To S&A.	Marconi standard inductance; request shipment from Colon to Washn. W
61274	2-15	Key West T	Quotes cable from Colon stating high power station finally located; letter follows. W.
61280	2-15	Key West T	From Colon reqt. 3000' phosphor bronze wire. W. To NY. & S&A. Reqst shipment 3,000 ft from NY to Colon. 2/15.
61490	2-18	Key West T	Wireless from Colon, reqt. shipment of generator from small set in advance of oil engines. W (W) to Norf. Reqst date oil engines and generators were shipped. 2/19. (W) to Colon. shipment delayed. 2/20
61640	2-19	Norf W	Oil engines, wireless generators, originlly intended for Light ships not yet shipped; one engine not in working order. W To---Latter engine proposed for Diamond Shoals Light-vessels; reqst prints. 2/20. Fwd S&A. Reqst shipment. 2/20.

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[OVER.]

COLON: W.T. STATION

Number.	Date.	From or To—	Subject.
57518	1/3	Colon W	Reqt. shipment of porcelain tubes, 6 compressed air condensers here. W To S&A. Shipment; reqst destimation be changed from Colon to NY W.T.sta.--(T)to NY. Asks if shipment has been made.1/3.
57517	1/3	Colon ; W	Reqt. print of long pipe spreader. W To---Print forwarded.1/3.
57440	12/21	Colon	Fwds bills for repairs to and PORTO BELLO. Fwd S&A.appd.1/2
57573	1/3	NY T	Will ship six porcelain tubes compressed air condenser Colon steamer 9th inst.W To---Directs ship 12. 1/6. (T)to Colon advising.1/6.
58129	1/8	Massie W.T.Co	Asks if any truth that Marconi has contract for large station at Canal Zone. W To---Bu.has no information.1/11.
58321	1/10	To Colon W	Bu.auth.expenditures for tests needed to prepare estimates for high power station on site recommended. Directs Clark make tests.W
58690	1/5	Colon	&Porto Bello; fwds bill for repairs.W Fwd S A appd.1/16.
58689	1/4	Colon	Reports of in pection, also Porto Bello. W To---Recn made for two new type detectors for; requests report after trial.1/16.
58907	1/18	Key West T	Quotes wireless from Colon stating Pacific site selected; final decision in Judges hands; spreaders being made. W (W)---Requests repeat section of telegram. 1/18.

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COLON: W.T.STATION.808

Number.	Date.	From or To—	Subject.
58590	1/18	Colon W	Motor generator small set not arrived; not on shipping memo. W
59283	1/11	Colon	Fwds result or report from G.H.Clark on test of location for high powered station.W (W)to---Can furnish two ordinary type field wireless,if desired.1/26.
59005	1/19	Colon W	Motor generator, small set, not arrived.W (W)to---Shipment requested Dec.19th.1/22.
59387	1/23	Telefunken Co	MESSAGES: reqt COLON AND GUANTANAMO stations turn over commercial messages to C & S A Tel.Co 892
59561	1/25	Key West T	Quotes wireless from Colon stating condensers assembled, and small set being installed; awaiting material.W
59576	1/12	Colon	Fwds bill for elec.current.W Fwd S&A.appd.1/29.
59575	1/15	Colon	Fwds bill for repairs.W Fwd S&A.appd.1/29.
59732	1/27	Colon T	Rush large size insulators W. To---,NY,S&A.Reqst shipment.1/29.
59757	1/17	Colon	& POrto Bello; fwds bill for repairs to and supplies.W. Fwd S&A.appd.1/29.
59795	1/28	Colon W	Reqt. shipment of portable mast,etc. Field wireless when available.W

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[OVER.]

COLON W.T. STATION

Number.	Date.	From or To—	Subject.
53760	11/7	Colon	Fwds bill for quartermaster supplies. W Fwd S&A-Appd.11/21.
54218	11/22	Colon T	Request permision to ship one motor to General Electric to be re-wound.W Fwd S&A-Reqt shipment be auth.by wire to Key West, then to Colon by wireless.11/24.
54306	11/11	Colon	& PORTO BELLO: forwards bills for light, current and telephone service.W Fwd S&A-Appd.11/27.
54436	11/15	Colon	Fwds bill for repairs to station.W Fwd S&A-Appd.11/27.
54945	11/20	Colon	Fwds bill for repairs to pressure gauges.W Fwd S&A-Rec. Payment.12/4.
55534	11/27	Colon	Submits request for supplies---furniture, mess gear, tools, etc.W Fwd NY-Appd.12/11. RB 12.28 To---Gives items that will be shipped from NY as soon as mfrd.12/30.
55581	11/29	Colon	Fwds bill covering supplies.W Fwd S&A-Appd.12/12.
56073	12/14	To Y&D	High-Power station, Canal Zone; reqt that outline plans for towers and buildings be prepared for use in selecting site. W
56155	12/?	Colon	GEN SETS: exciter motor burnt out badly: shipped to New York for shipment to GE for repairs. States was installed without starting device. reqt new automatic starter. 882--3

N.S.E. Form 134.

COLON W.T.STATION. 808

Number.	Date.	From or To—	Subject.	
56523	12/12	Colon	Fwds bill for supplies.W Fwd S&A-Appd.12/20.	
56524	12/8	Colon	Requests new cook stove.W Fwd NY-In conn.45558-808, Aug.8; new stove auth.12/26.	
56546	12/13	Colon	Messages, re long distance wireless message states longest sending wave length for which transmitter can be adjusted is 3,000 meters	892
56507	12/19	To Colon To NY (T)	States G.H.Clark ordered to, for duty in conn. sites in Canal Zone and adjustment of station apparatus and installation of 2-k.w. quenched gap set, and reqt facilitate work.W Deliver to Sub-Inp Clark one calibrated variable condenser and one pair standard wireless head phones; invoice to Colon. W	
26990	12/26	To S&A	Compressed air condenser; reqt shipment from MISSISSIPPI, Phila Yd. to Colon. W	
57154	12/15	Colon	Fwds bill for electric current.W Fwd S&A. appd.12/29.	
57153	12/16	Colon	Fwds bills for supplies and repairs.W Fwd S&A appd.12/29. Reqt. cancellation 1/15 Fwd S&A.for cancellation.1/29.	
52295		SEE CARD 6	Center tables; To NY gives dimensions desired.12/29.	
54854	12/19	To S&A	Reqst shipment from NY to Colon of one sending set, and from Norf.to Colon of two 6-HP gasoline engines with 500-cycle generators.	876

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COLON WIRELESS STATION.

Number.	Date.	From or To—	Subject.
47537	8/22	Colon	Fwds bill for supplies.W Fwd. S&A recomds. payment 9/1
48007	8/28	Colon	Fwds bill for elec. current.W. Ref. S&A approved 9/9
48008	8/25	Colon	Fwds bill for supplies.W Ref. S&A approved 9/9
48013	8/28	Colon	Quarterly report.W.
48016	8/30	Colon	Recommends new building be erected.W. To - new station under consideration 9/12
48018	8/28	Colon	Invites attention to failure of Nat.Elec. Signalling Company to replace defective choke coil and provide adequate shunt resistance for solenoid key. W Ref. N.Y. for recomd. 9/8
48413	9/1	Colon	Reqt. return of inventories of public property for and Porto Bello. W TO -- Returns.9/13
48408	9/1	Colon	Fwds bills for repairs. W Fwd S&A appd.9/13
49384	9/14	Colon	Bill for fuel. W Fwd. S&A approved 9/27
49385	9/12	Colon	Fwds bill for elec.current; also PORTO BELLO. W Fwd. S&A approved 9/27

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COLON W.T.STA. 808

Number.	Date.	From or To—	Subject.	
49965	9/20	Colon	Fwds bill for repairs to typewriter. W Fwd S&A--Appd.10/3.	
50322	9/27	Colon	Fwds bill for repairs.W. Fwd S&A appd. 10/6.	
51767	10/13	Colon	& Porto Bello; bills for supplies and elec. current. W Fwd S&A.appd·10/26.	
52218	10/19	Colon	Bill for repairs. W Fwd S&A.appd.11/4.	
52294	10/23	Colon	Fwds bill for supplies.W Fwd S&A appd.11/4.	
52295	10/23	Colon SEE CARD 7	Fwds reqt. for office furnture,etc. W Fwd NY for rec·11/1. RB 11-23 To--States are taking steps to furnish.11/24. 12/4 States for what tables are required.W	Card 7
52393	10/30	GE Co	Reqt. payment of bill for carbon brushes.W To---Fwd S&A.11/3.	
52842	10/27	Colon	Bill for supplies.W Fwd S&A.Appd·11/10.	
53149	11/10	Colon W W	Reqn of Oct.23 for porcelain condenser tubes for National Elec.Signal Co. 25 KW condensers; request shipment as soon as practicable. W Reqst leads be equipped with tubes.11/11.W Fwd NY.Reqst probable date of shipment.11/16. RB 2-2 Fwd NY.11/20. RB 2-28	
53354	11/10	NY	Site: distance between station and SAN JUAN apparent error in:	899

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[OVER.]

$COLON: W.T. STATION

Number.	Date.	From or To—	Subject.
40991	6/5	Colon	Fwds bills for, and Porto Bello stations Isthmian Canal Com.. W Fwd S&A. approved.6/13.
42107	6/14	Colon	Fwds bill of Isthmian Canal Commission for electric current. W Fwd S&A apprd.6/27.
42615	6/19	Colon	& Porto Bello Station: fwds bills of Isthmian Canal Com. covering repairs to.W Fwd S&A. appd.7/3.
42834	6/22	GE Co	Reqt. shipping directions for brushes for generator. W To GE Co. Furnishes shipping address.7/6.
36031		See card #3	(T)to Key West.Directs inform Colon that porcelain condenser tubes leave NY 7th. 7/3
42917	6/27	Colon	Fwds reqt. for stores. W Fwd NY.approved; sample contacts mailed under s.c. 7/10. RB 7-15 Ret -- 7/17. RB 8-7
44016	6/30	Colon	Fwds inventory of property.W
44005	7/13	Colon	Fwds bill for supplies.W Fwd S&A appd.7/21.
45242	7/26	Colon	Fwds list of store required, tools, etc. and print of pulley. W To--States letter, inadvertently filed, fwd NY approved thisday.12/27. Fwd NY-- Appd.12/27. RB 1-6 To---Will be supplied.1/6.
471			

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COLON: W.T. STATION. 808.

Number.	Date.	From or To—	Subject.	
44484	7/15	Colon	Fwds bills of Isthmian Canal Com. & Porto Bello. W Fwd S&A appd.7/28.	
45500	7/26	Colon	Fwds bill for generator brush, GE Co.W. Ref S&A. for action.8/9.	
45558	7/26	Colon	Fwds reqt. for spare parts for cook stove;W Fwd NY. Appd.8/8. R.B.8/21 To---NY will furnish item 11; other items will be purchased and forwarded.8/23.	
45856	8/1	Colon	Fwds bill of Isthmian Canal Com. W Fwd S&A.Rec payment.8/11.	
46678	8/8	Colon	Reqt. hot wire ammeter in connection with calling wave length.W	
46677	8/8	Colon	Reports impossible to comply with wave length order with apparatus at station.W To---Use of present wave length auth.8/25.	
46676	8/8	Colon	Fwds billfof supplies and elec. curretn for and Porto Bello.W Fwd S&A. Reqst settlement.8/22.	
46908	8/22	To Colon	MESSAGES: reqt weather Bureau confirmations be sent direct to them	892
47139	8/12	Colon	Bills for elec. current.W. Fwd S&A. Reqst settlement.8/25.	
47133	8/16	Colon	Fwds bill for repairs.W Fwd S&A. rec Settlement.8/25.	

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[OVER.]

COLON W.T. STATION.

FILE No.	From or To— (Dated)	Subject.	
36873 4/21	GE Co	Reports duplication of order for coils; on account of making no reference to telegraphic order on reqn. W Ref NY for information. 5/3. RB 5-10 To -- Reqn being submitted for 12 coils.5/10. To S&A. Reqst shipmt.5/10 Fwd S&A 5/16.	
37173 r/13	Colon	Fwds bill of Isthmian Canal Com. for labor etc. W Fwd S&A Rec settlement.4/27.	
37252 4/26	NY	& KEY WEST: recommends no action be taken towards duplicating quenched spark gaps in connection with bid of Nat.Sig.Co.	817
38462 5/2	Colon	Fwds bill of Isthmian Canal Com. for supplies.W Fwd S&A Rec settlement.5/12.	
38463 4/27	Colon	Fwds bill of Isthmian Canal Com. for supplies.W Fwd S&A Rec settlement.5/12.	
39051 5/10	Colon	Fwds bill of Isthmian Canal Com. for current.W Fwd S&A. Rec settlement.5/20.	
39552 5/15	Colon	Fwds bill from Isthmian Canal Com. for repairs and material. W Fwd S&A. Rec settlement.5/25.	
39540 5/17	Colon	Fwds bill of Isthmian Canal Com. for supplies.W Fwd S&A. Rec settlement.5/25.	
40059 5/19	Colon	Reqt. brushes for generators, and exciters.W To -- Fwds copy reqn 116. 6/6.	
40161 5/31	GE Co	States not received reqn. covering stata coils. W Fwd S&A. 6/3. RB-6-17	

FILE No.		From or To— (Dated)	Subject.	
34489	3/15	Colon	& Porto Bello: fwds bills for supplies. W. Fwd S&A Rec payment 3/24.	
34915	3/29	TO Colon	Long wave tests with Key West: reqt report on amount of inductance and capacity of both circuits during. W	
35042	3/20	Colon	Gives radiation necessary for working with Porto Bello. W	
36032	4/5	Colon	Reqt. 2 HP, DC. starting boxesbe forwarded; Reqt. action on survey fwded Feb. 10.W. Fwd NY Reqst further information.4/20. RB 5-5 Fwd NY. Directs starting panel be put in good condition and shipped to Colon.5/6. RB 5-16	
36031	4/5	Colon	Reqt. porcelain condenser tubes and insulators be shipped.W Fwd NY Directs items be obtained and shipped as early as practicable.4/21. RB 4-27 (T) Reqt shipment of, expedited.6/24. Fwd NY.6/27. RB 7-3	See Card 5
36317	4/5	Colon	Fwds bill from Isthmian Canal Commission covering lime. W Fwd S&A rec settlement.4/20.	
36420	4/17	NY	Relative to armatures for.W Fwd Colon. Reqst information re armature and field coils. 4/19. RB 5-12	
36522	4/10	Colon	Quarterly report inspection of, and Porto Bello. W To -- Auth.contrsn of bath-house.4/27.	
36027	4/12	Nat E.Signaling Co.	& KEY WEST: quotes prices on spare generators.	817

COLON: W:T: STATION

FILE No.		From or To— (Dated)	Subject.
31144	2/8	TO Colon	Directs arr. be made for transmitting time signals. W
31801	2/16	Colon	Reports radiation of antennae meter. W To — reqst same information re Porto Bello 2/23.
31810	2/16	GE Co	Fwds bill covering 12 stator coils. W Fwd S&A. connection with reqn.179 2/17. To Colon Reqst same information re Porto Bello 2/23.
32200	2/13	Colon	Fwds bill from the Isthmian Canal Commission covering labor and material. W Fwd S&A Rec.usual paymt 2/23.
32201	2/10	Colon	Fwds bill from the Isthmian Canal Commission covering current for January. W Fwd S&A Rec usual paymt 2/23.
33143	2/21	Colon	Fwds bill from Isthmain Canal Com. for rewinding one motor. W Fwd S&A. Rec payment 3/8.
33712	3/4	Colon	Fwds bill of Isthmian Canal Commission for supplies. W Fwd S&A Rec. settlement 3/14.
34136	3/10	Colon	Fwds bill for elec. current, telephone, for Colon and Porto Bello. W Fwd S&A rec payment 3/21.
34504	3/14	Colon	Fwds bill from Isthmian Canal Com. for supplies.W Fwd S&A rec payment.3/24.

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COLON W.T. STATION.

FILE No.		From or To— (Dated)	Subject.	
28134	1/3	To.Western Tel.Union	Unreliability of noon time signals; reports on	
28188	12/24	Colon	AND Porto Bellow reports inspection of	
28187	12/26	Colon	Forwards bill from Isthmian Canal Com. for repairs to aerial Ref.S&A 1/5	
28186	12/24	Colon	Porto Bello and - reqs. thermometer	831
28643	1/3	Colon	No definite value to the shunt in using with meter of 25 KW wireless set To -- Calibration of antenna meter 1/17.	
28644	12/30	Colon	Fwds bill from Isthmian Canal Commission for carbon brush Fwd S&A Rec settlement 1/10.	
29673	1/1o	Colon	Submits bill for elec. current fur nished by Canal Commission. Fwd S&A rec settlement. 1/23.	
30204	1/23	Colon	Fwds reqt. for supplies and tools.W Fwd N.Y. apprd.to be fur.from N.Y. 2/2. R.B.2/14. Fwd Colon 2/14. R.B.3/14	
30624	1/31	Nat. Elec. Sig. Co.	KEY WEST &: relative to quotation on 2 25KW 500 cycle generators for spares: Suggests have rotary spark gap supplied	817
30998	1/19	Colon	Reqt. return of armatures and field coils shipped to NY for repairs. W Fwd N.Y. for comment 2/9. R.B.2/18 Ret -- 2/23. To NY reqst.copy of 4th endorsement of Feb10th. 4/15. Ret -- 4/15.	RB 5-12

CONNEAUT HARBOR: RADIO STA.:(SEE WAR PREP.: CONFISCATED STATIONS.)

Number.	Date.	From or To—	Subject.	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

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CONSTANTINOPLE RADION STATION 1922

Number.	Date.	From or To—	Subject.	
643348	9/29	To S&A 1173	Reqst shipment of wire from Norf to Constantinople via BRIDGE L	

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4—3381

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
628763	6/17	Y&D	Copy of letter to NY directing secure auth from S&A to issue local requisitions for work W
		1922	
640537	9/6	N.Y.	Request reconsideration in conn with painting water tank and towers. W. To NY- Reqsts inform rel items 9/11 N.Y. 9/15 W To NY- gives inform 10/7
647623	10/27 10/30	N.Y. Y&D	Request addtl funds covering repairs. W Fwds Yds & Docks- cc Dir Comms 11/3
648397	11/4	Y&D	Copy of letter to N.Y. directing all bids covering repairs be rejected and new requisition prepared. W.

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

FIRE ISLAND RADIO STATION 1920 18

Number.	Date.	From or To—	Subject.
521225	10/8	To S&A	Rqst shipt of wave meter from Washn to Fire Island. W. RB 5/7/21. W.
528842	11/16	To N.Y.	Non receipt of inspection report. W.
563822	5/13	N.Y.	Subm outline of radio work, fiscal year 1922. W.
570055	6/16	Y&D	Copy of letter to N.Y. stating approved credit cards will be fwded in conn with constrn of boat dock. KW.
572714	6/30	3d Dist.	Recommends Fire Island Station be placed out of commission. W.
	7/1	Communications	Fwd NY 7/6 RB 8/20 W.
OVER			To NY 8/16
		N.Y.-Fwds copy of endorsement 8/18 8/23 W. Fwd NY 10/1cc Comm-3 Dist RB 10/12 W	fwd Secty 8/24 RB 8/29
576454	7:21	Y&D	Estimate for public works 1923 - project No.14 permanent house. A&W fwd Y&D 7/23 C
577187	7/25	3d Dist.	Fwds corrected pages for description of radio instn. W.

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N. Eng. 134

FIRE ISLAND RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
572714	1	FROM OVER	Communications- Subm recommendations 11/5 W. Fwd NY 11/10 RB 12/17 W. Fwd Communications cc NY 12/23	
612874	3/8	N.Y.	Request auth shipt of 14' wherry in stock at N.Y. to Fire Island radio station. W. N.Y.- Request favorable action on request for wherry. 6/28 W. Fwds C&R 8/3 Ye	
615858	3/28	N.Y.	Repairs required on cable lines between long Beach and Fire Island station- submits recommendations for approval with print. W. To Coast Guard- Gives instrns 4/11 To NY- Repairs to cables 4/11 Coast Guard- Request allotment be made cov re-laying cable. 4/21 W. N.Y.- Request $400 be made available for work. 4/21 W. To NY- allotment made 5/2 To Hon Sec of Treasury (Actg sec of Navy) when work is completed transfer of funds will be authd 5/15 NY- Request allotment of $400 7/7 WK To NY- Allotment made 7/12 V&D- Copy action to N.Y. 9/19 KW To NY via Opera- 3rd Dist.- reqsts recomdns 12/6/22	

WIRE ISLAND RADIO STATION.

Number.	Date.	From or To—	Subject.	
460252	11-24 11-26	3d Dist Communications	Radio and radio compass stations at Fire Isl- Quarterly inspection reports. fwd Com 12/2	W
460628	11/29	Annapolis Copy	Norfolk transmitter on Station Frame, broken when received.	W.
463212	12/12	Communications	Request 3d Dist be furnished with cable for connecting radio station and Compass Station at Fire Island with leased telephone wire on main land. To - No cable availabe at Boston. 12-19	W.
465240	12/23	New York	Quarterly inspection report.	W.
471558	1/23	C&R	Copy letter to N.Y. in conn with 30' msl for Fire Is radio sta; Y	611-2
475765	2/13	To IM NY	Outline of work for fiscal year 1920. W NY - outline radio work fiscal year 1921-3/2 N.Y.- Recommends authorized work. 4/8.m	W.

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FIRE ISLAND RADIO STA. 1920

Number.	Date.	From or To—	Subject.	
480325	3/9	To Comm	Reqst for seven miles of two pair cable to connect Fire Island Radio Sta with main land. Reqst recs covering W RB 6/11	W
485365	4/2	NY	Quarterly inspection report	W.
485790	4/5	N.Y.	Quarterly inspection report	W.
490566	4/27 4/28	3d Dist Communications	Quarterly inspection report fwd Com 5/4	W.
501557	6/25	N.Y.	Quarterly inspection report	W.
500850	6-22	To N.Y.	Fire Island control lines to radio compass station Sandy Hook. W	

FIRE ISLAND RADIO STATION:

Number.	Date.	From or To—	Subject.	
412306	4;26	To New Orleans	Recs in con with quarterly inspec New Orelans radio station.	W
418461	5/14	C&R	Cpy letter to Fire Island directing prepare 30' motor sailing launch for shipment to New York Y.	611-2
424924	6;11	NY	Sub quarterly inspec report Fire Isl Station.	W
432937	7;15	NY	Quarterly inspection report Fire Isl Compass Station. W Cross to 919-1	
443801	9/4	Y&D	Fire Island barracks for Marine Guard - fwds print showing water supply; rqst allotment of $12,000 to cover. W. fwd Y&D 9/6 Y&D 2/10 To Y&D- allotment of 727.56 2/13	
451306	10;9 10;13	5th Dist Com	Quarterly inspection report. W fwd DNC 10/15	

1919

Number.	Date.	From or To—	Subject.	
445746	9-15	New York	Fire Island- Rqst ammunition for Springfield rifles. fwd Ord 9/18	W
447527	9;23	NY	Fwds quarterly inspec report of Fire-Isl station. To NY- authorizes expenditure 9/29 To NY- recs in conn with inspec report 10/1 N Y 10;9 To IM NY will issue instruc later re disp of matrl 10/9 NY 10;20	
448635	9;29 10;1	3rd Dist Com	Quarterly inspec report of Fire Isl. fwd Commun 10/2	
448850	10-2	PCCS (copy)	Sta out of commission due to coils of arc motor being burned out.	W
453978	10;24	NY	Reqst auth to supply furniture and house equip listed, to station. To IM NY- cannot appve all of furn reqstd- wind shades cost 163.00 appvd. 10/28	W

FIRE ISLAND: RADIO STATION

Number.	Date.	From or To—	Subject.	
375339	12;5 12;6	3rd Dist Com	Recs instruc of power line between radio station Fire Island and radio compass station Fire Island be authorized. W **Fwd Dist Comm Supt 3rd Nav Dist. 12/19** To 3rd Dist. Author constrn power line between Radio & Radio Compass Sta Fire Is. Material req as listed	
375919	11;22 12;7	Fire Island Com	3 kw oil engine too small for operation of new battery, req 5 kw generator sets be furnished. Fwd NY 12-11 received back from NY 12;19 **To NY Ib re battery charging unit for Fire Is 12-27**	
350649	11/1	To S&A	Reqts shipmt from Wash to Fire Island radio amp be cancelled order to 9/21. W S&A Req copy of ship order 29th.	912
~~378906~~	None 12;17	3rd Dist Y&D WRONG ENTRY	Sub report on new method used by Tindel Morris Co comparing shafting for heat treatment, asks if bureau approves. S	
378906	None 12;17	3rd Dist Y&D	Req change order issued cov mod of radio compass house Fire Island. Fwd Y&D 12226	

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FIRE ISLAND RADIO STATIONS

Number.	Date.	From or To—	Subject.	
381055	12-31	To S&A	Reqts shipmt from Bost to NY for Fire Is 1 5 KW Gasoline engine driven generator Shipment order- 1;21 received back 1;27	L
401393	3;10	New York	Fwds calibration curve cov instal of.	
406579	3;25	Y&D	Radio compass at Fire Isl station, date of completion 11;25;18	W
409196	3;25 4;7 4;17	3rd Dist New York S&A-Copy of ship ord cov compass and anchor from NY to 3rd dist. 4;26	Sub quarterly inspec report with prints of Fire Isl Radio Station. To NY- approval of change in antenna system cost 30.00 W 4-12 To C&R- reqst compass and anchor be furn on same contr which covers motor boat 4-12	W
411344	4;14	Y&D	Barracks for marine grds at Fire Isl. date of completion June 2	

C&R-Copy of endorsement to S&A recs anchor be furnished to NY-Y

FIRE ISLAND: RADIO

Number.	Date.	From or To—	Subject.	
339539	8/21	To S&A	Reqts. shipt. of Radio material from Wash. to Fire Island for Rad. Compass Sta. W To Dept 9;23 received back 9;27 Shp order ~~to~~ 1-21 r b 2-7	
344745	9;1	NY	Fwds req of Fire Isl for overhauling rigging of two wooden masts at station. W To—— Authorizes amt. for improvements.	9/7
347856	9/13	To S&A	Reqts. shipt. of radio apparatus from Wash. to Fire Island for Rad. Sta. W To Fire Island Asks they acknowledge receipt of above 10-25 Fire Island 10;31 Shipment order 12;17 received back.	
350896	9;4 9;19	3rd Dist Com	Quarterly inspec of C I radio station fwd To—— (T) Buseng end 9-30 Original plans Fire Is radio barracks apprd. Budocks has been alloted funds as authorized by Secnav for constn barracks and effecting other improvements mentioned 10-16	
350986	9/23	Fwd. Secnav	Re Barracks for personnel & improvements. W Fwd NY Via Y&D 10-1 To 3rd Dist (T) Ref let 930th-Orig F Is radio barracks plans approved. Budocks has bee n alloted funds as authorized for constn barracks and effecting other improvements mentioned 10-16	W
357076	10/5	Third Dist.	Comm. Oct. 9 Fwds quarterly on Fire Island Station W	

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FIRE ISLAND: RADIO

Number.	Date.	From or To—	Subject.
354576	10;1	NY	Req Fire Island station be equipped with chest. W Fwd. M&D 10/5.
362841	10;24 10;26	3rd Dist Com	Sub req for radio apparatus for Fire Isl station. To 3rd Dist- Comm Supt- Lists standard radio equipmt recently ordered shipped from Wash to N Is- 10-31
~~362480~~	10-31	To Guantanamo Bay VOID	Makes additional allotment to cover maintenance and expenses of the Guantanamo Radio station 1918-19- W
370378	~~10;31~~ 11;19	~~Fire Island~~ ~~New York~~	Sub req status sup. W To NY, re allotment for yearly supplies at Fire Island, 11-22
371578	11;19	3rd Dist	Radio compass station Fire Island report of calibration of. W

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FIRE ISLAND:RADIO 1918

Number.	Date.	From or To—	Subject.
308967	4;19 5;20	Ensign W. R. Smith Naval Communication	Fwds report of Inspr of Fire Is. radio station. W
30994	4;19 5;23	Ensign W R Smith New York	Sub. report of inspection of Fire Island station. W
311186	5/28	Y&D	~~Request allotment of $1250 be authorized covering constrn of landing wharf - W~~ ~~Fwd Y&D---5-31~~ Received back,6;13 **Fwd. Y&D 6/25**
310461	5-28	TO S&A	Rqst shipment from Wash to Fire Island-radio apparatus-W- ~~FromS&A- Rqst shipment from Wash to Fire Island-radio apparatus-.6-5~~ To Nav. Sta. Fire Is. Asks if rad. apparatus rec'd. 8/2 ~~Shipment order 5;28 received back 8;8~~ ~~Shipment order 6;28 received back 8;8~~
316769	4-4 6-1	Fire Island NY	Request proper instructions covering anti-aircraft salvo outfit. W

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FIRE ISLAND: RADIO

Number.	Date.	From or To—	Subject.
323596	6;8 7;2	Fire Island New York	Reqst be furnished with 12 ft flat bottom rowboat. W Fwd. C&R 7/9 received back 8;9 To C&R Reqts. reply to let. of 7/9. 8/5
332760	8/3	To S&A	Reqts. shipt. of rad. apparatus from Wash. for & to Fire Island
336268	7;21 8;10 3rd Dist-Fwds copy of req. 2;28	3rd Dist Naval Communication	Fwds sketch of Fire Island Radio station radio compass station also report by Lt Appleby To 3rd. Dist. via NY. Allots. amt. for establishmt. rad. compass. sta. near Rad. Sta. Fire Is. 8/19 To Y&D Re establisht. of Rad. Compass for Fire Island. 9/27
336593	8;9	New York	Reqst galleys be furnished. W
336592	8;9	New York	Reqst fwd items as listed in fitting out new quarters for men W
336591	8;10	New York	Reqst galley utensils as listed for additional men. W To NY Reqts. report covering expenditure involved in supplying material. 8/15
336096	8/17	To Phila.	Reqtd. that copy of shore sta. rec'r home type plan for rad. compass sta. be fwd. W

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FIRE ISLAND: RADIO

Number.	Date.	From or To—	Subject.	
225314	4/30	To S&A	Reqt shipt of on trans set from NY to. W To NY—Reqt ests covering install.4/30 NY est 5/11 To NY approves estimate 5/15	
227233	5-7	NY	Recommendations for Fire Island and N. Y.	823
230614	5/21 5/28	NY Y&D	Annual inspection.W	
232556	6-7	Dist. Supt	Fwds description of telefunken directional transmitter and primarily located at Fire Island.W	
235098	5/24 6/13	Dist Supt NY	Recommendations for alterations and repairs.W To—Auth repairs.6/26	
24 0572	7/25	NY	Request blueprints in connection with test of Kolster direction finder.W To Fire Island—7/31	
243510	8/13	To NY	Ask power available at Sayville and Fire Island. Propose to install 60" anti-aircraft searchlights.	708
245791	8/27	To NY	Appvs inc in repairs from $300 to $575.00. W	

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FIRE ISLAND RADIO STATION. 812

Number.	Date.	From or To—	Subject.	
250563	9/4 9/14	Fire Island NY	Request medical supplies.W Fwd M&S--9/25	
269916			Y&D 1-12	
284077	2-12	NY	Fire Island - forwards inspection report.W	
284044	2/20	NY	Fire Island inspection report-fwds.	
283977	2/28	To NY	Fire Island Station reported out commission. Reqt information in connection with. W NY-Fire Island out of commission due to broken governor shaft of oil engine.W 3-7	
285124	2-28	NY	Reqting that P. R. F.ortin, of GE Co be allowed to visit station. W.	876.
288919	3/18 3/12 5/7	Fire Island NY R B	request spare bar.unit.W Fwd NY--3/21 RB5/7 Fwd NY 5-9 Received back 5;16	
308607	5-15	Naval Communications	Fwds report of inspection of Fire Island radio station by Ensign W R Smith. W To NY- in re report- 5-25 NY - request action - 6/1. To NY- in re additional radio equipment 6-4	

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FIRE ISLAND: RADIO

1916

Number.	Date.	From or To—	Subject.
209611	12-22	NY	Submits list of spares required for engines; Yard considers excessive.W To--Concurs. 12/28 RB 2-6 Fwd NY--For est. 2/20 RB 3-9 NY estimates were forwarded March 8th 3/10 To--Auth issue of spare parts to Fire Island.3/12
209939	12-24	Dist Radio Supt	Fwds copy of proposed notice to be published in Hydro Bulletin.W re commission of radio direction station.W To Navgn--Rec bulletin be published in next Hydrographic Bulletin. 1/2
210257	12-24	Supt	Commissioning of; proposed test of direction finder equipment.W Dist Supt reports on test 12/24 To Navgn--Ask for reports of mariners re value of station to navigators. 1/6

1917

211756	1-15	NY	Request be suppled with head phones, fire extinguishers, standard detector.W
213259	2/2	To Secy Commerce (SecSig)	Fwds copy of Hydrographic Bulletins No 1429 and 1430, containing infor re operation of direction transmitting station at Fire Island, and radio distance dtermining apparatus on Fire Island Light Vessel. W

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FIRE ISLAND: RADIO. 812

Number.	Date.	From or To—	Subject.
215672	1-10	Hydro Bulletin	Contains notice Fire Island and Fire Island Light Vessel fog signals.W
216229	2-28	NY	Request authority to borrow Marine cots and bedding for laborers employed at.W. To--(T)Appvs. 3/1
218511	3/17	To Sub Sig Co	Would be pleased to discuss combined sub bell and radio distance determining apparatus install at Fire Island Light Vessel $68 at any time.W To Sec Commerce--(Sec Sig) Gives action taken.3/17 Sub Sig Co makes appointment for April 1st 3/20
222039	4-9	NY	Fire Island light ship; submits report on.D To Nav Com--Quotes from report.4/18 To--Instrns.4/27
222387	4-11	NY	Submits report on contruction and test of self recording distant determining apparatus.W
223231	4/2	Fire Island	West mast estimate for repairs. W To NY--Auth 300 dollars.4/20
225139	4/26	Director Communications	Requewt half kw set be replaced with a 2 kw.W

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FIRE ISLAND: RADIO

1916

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Number.	Date.	From or To—	Subject.
199810	7-26	Supt Radio	Quarterly inspection (Copy) W
200006	9-21 9-22	NY Dept	Request authority to place contract for man and horse for digging wire trenches.W Fwd Dept Via Y&D-- Rec appvl.9/22
200081	9-22	NY	Kolster radiometer; request authority to alter monitor on building to per mit installation. W To--Bu has assigned Kolster to for installation in Telefunken compass house monitor. 9/25
200252	9-25	To NY.	Submit reqn for furniture for chief operator's quarters.W
200725	9-30	NY	Reqt authority to obtain cots for Marine Corps.W To Bost--(R) Auth issue of cots for.9/30 To Bost--Disregard despatch Sept. 30, sent in error. 10/3 To NY--(T) Auth issue of cots for. 10/3
201221	9-30	At Coast Supt	Inspection report.W Fwd Bd I&S--10/7 Fwd Aid for Mat--10/7
201614	10-7	NY	Estimate for repairs to storm windows, dorrs.W To NY--Est auth. 10/12
201224	10/7		

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FIRE ISLAND: RADIO. 812

Number.	Date.	From or To—	Subject.
201299	10-7	NY	Misc repairs. W To--(T) Est auth. $430. 10/14 NY $450 correct amount 10/17
202282	10-12	NY	Status of work.W
202983	10/19	Y&D	Contract 2237; building for operators' quarters; extension of time.W
204419	11-3	NY	Request be supplied with filter type ultra audion to use with Kolster direction finder.W To S&A--Reqt shipt of aultraudion detector from Wash to Fire Island. 11/15 NY reqt permission to main station antennae transmitting transmitting purposes 11-20
206410	11-23	NY	Estimate for installing Kolster meter.W To--Appvs est. 12/19
206430	11-17	Washn Dist Supt	& Fire Island; reqt be fitted with anti-aircraft guns.
206827	11-22	NY	Revised estimate for switchboard, etc.W To--Appvs est. 1/4
207560	11-23	At Coast Supt	Report of inspection.W
208550	12-4 12-13	Fire Island Navgn	Submits list of books required.W To NY--Gives action on. 12/18

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FIRE ISLAND: RADIO 1916

Number.	Date.	From or To—	Subject.
190765	6-3	NY	Alterations and repairs recommended. W
	To NY--Lists alterations.7/15		To--Gives action on. 6/17 RB. particular reference made of coal bin 7/5
NY fwds sketch showing battery charging switchboard 7/24 To NY--Appvs repairs.7/29			NY plans and estimates 7-3 To--Disappvs new coal bin. 7/12
190876	6-15	NY	Report of annual inspection. W r Fwd Y&D--Comments on 6/20 RB 6/23
191267	6-20	To Y&D.	Recommendations as to award contract for Chief Operator's Quarters. W
191500	6p22	Y&D	Chier operators quarters awarded to Hamme & Donnelly. W
191832	6-24	Dept Commerce	Agrees to gave test continued by station and light vessel 68. request statement of expenses.W
	Fwd Dept-- 8/9		Fwd NY--For comment and rec. 6/28 RB 7/8 To--(Secsig) fwds plan of suggested radio station. Navy will bear expenses. 7/12 To NY-- Fwds copy above. 7/12 Commerce will bear expense construction.8/2
192417	7-3	Fire Island R	Gen set bearing broken.W
193424	7/10	Y&D	Copy of contract with Hamme & Donnelly for chief operator's quarters.W
193901	7/6	NY	Submits plan and estimate for board walk and conduit for cables and combination.W To--Appvs 7/21
194437	7/24	Y&D	Contract awarded to Hanly & Donnell for chief operators' quarters.W

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FIRE ISLAND RADIO STATION. 812

Number.	Date.	From or To—	Subject.
194473	7/20	NY	Board walk and trough for wires; fwds plan.W
194675	7/22 To NY--	NY Gives action taken.9/11	Quarterly report of inspection.W Retd-- For comment and rec. 8/16 RB 9-7 NY reply already made calls attention to error in Bu date 8-26 To NY-reqs. reply 8-23
195825	8/7	NY	States installation will be completed on Lightship Sept 1st.W To--Dept Commerce will undertake construction of radio room for. 8/10
197032	8-17	NY	Fire island light ship; request auth to purchase storage battery and manufacture battery cabinet and charging board.W NY reqt action (T) 8-28 To N.Y. purchase storage battery 9-1
197063	8-17	NY	Request authority to issue supplies and keep up station; also for supply of nlanks. W To --8/22
197047	8-16	Y&D	Quarters ; change in plumbing system .W
197616	8-24	NY	Reports on damages to station.W
197439	8/22	To NY D	Breakdown of station; request details and date when will be ready to resume operations.W
199662	9-18	Y&D	Substitute septic tank for cesspool. W

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FIRE ISLAND: RADIO

1916

Number.	Date.	From or To—	Subject.
178852	2-9	NY	Submits estimate for installing batteries, D-C generator, antennae switch. W To--Appvs estimates. 2/12 NY reqt authority to purchase new elements 5-10 To-- Appvs. 5/16
178940	2-12	NY	Report of investigation on condition of station boat; reqt authority to make requisition to cover charges for stowage. W Retd--Prepare reqn for. 2/15
180024	2-21	Dept Commerce	Approves placing overhead wires underground in vicinity of radio compass providing Navy Dept bears all expense. W Fwd NY--3/1 RB 3/9
181808	3-16	NY	Necessary to pruchase special clock movement in connection with appratur at station and on light ship for fog signals,etc.W To--Appvs purchase. 4/5
183262	3-27	NY	Landing wharf and walkway; fwds print and estimate.W To--Appvs. 4/5 NY return of drawings; reqt 4-10 To--Fwds drawings. 4/17 NY fwds drawings 4-27
184163	4-7	At Coast Supt	Quarterly report of inspection.W Fwd NY-- For est and rec. 4/15 RB 4/27 Fwd NY--Appvs estimates. 6/3 RB 6/26 To NY-- Appvs estimates. 8/16 To S&A--Reqt shipment of appratus from Fire Is to NY for disposition. 8/17
185000	4-19	To Y&D.	Reqt plans be prepared for Chief Operator's quarters. W
185729	4-22	Y&D	(Over)

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FIRE ISLAND: RADIOM812

Number.	Date.	From or To—	Subject.	
185729	4-22 Fwd Y&D-- 5/9	Y&D	Chief operator's quarters; reqt plans and data. W Fwd NY--For above information. 4/28 To--Gives data on. 4/28 Y&D will write station direct hereafter	RB 5/8 5/3
174957	2/14	~~Fire Island~~ NY	Outline of radio work, 1917-18; items that will require expenditures of over $500	604
186946	5-5	NY	Fire Island requires portable mast to make test in connection with radio compass.W Fwd Wash--For rec. 5/11 To--Have reqtd shipment of masts. 5/25 To S&A--Reqt shipment of masts from Wash. 5/25	RB 5/20
187753	5-12	Y&D	Fwds drawing of Chief Operator's quarters. To--Appvs plan. 5/16	
189616	6-1	NY	Necessary for expert radio Aide GH Lewis to Supt; request orders for. W Fwd Dept--Rec appvl of. 6/5	
189869	6-3	NY	Recommends provision be made for receiving apparatus on lgh vessel.W To S&A--Reqt shipment rec set from Wash to NY for. 6/8	
189873	6-3 NY re expense of quarters 6-30 Fwd Nav-- 7/3	NY	Recommends elecn be detailed in connection with installation being made on Fire Island and light ship.W Fwd Rad Ser-- 6/7 To--Asks date when will be ready to resume station. 6/23	RB 6/21
190369	6-7	NY	Submits estimate for providing and installing buoys between light ship and fire island Station for calibrating distance determining apparatus.W To--Appvs. 6/13	

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FIRE ISLAND: RADIO 1915

Number.	Date.	From or To—	Subject.	
168187	10-12	NY	Direction compass; fwds report on prelim tests; fwds drawings, photo,etc.W TO Dept reqt ship be selected for test 10-18 Operations NY instructed to detail destroyer 10-20 To--Instructions. 10/30 To Atl Flt--Fwds copy above.10/30 To N--Reqt add copy report.10/30 NY fwds ad report 11-15	
170208	11-2	NY	Reports on tests made Fire Island and Ambrose Channel Light Vessel in connection with fog signals. W To Dept. via Rad Ser--Fwds copy report recommending further experiments; asks whether Navy Dept should handle. 11/11 To Atl Flt--Fwds copy of test. 11/19 Fwd Dept--Believes expense involded is well while. 1/4 RB 1/15 To NY--Reqt estimate covering. 1/18 To--Appvs estimates. 5/16	RB 12/30 RB 5/12
172941	12-2	Dept	Suggests Ambrose Channel Light Vessel be permanently fitted with apparatus for fog signals,etc. Based on results Fire Island. experiments. W	
173306	12-1 To--Reqt further. 1/3	NY	Motor boat 1145; recommends be not charged against allowance of station.W Fwd NY--Separate charge for machy and hull. 12/13 RB 12/22	
173774	Norf 1-20 12/13	NY	Reports inspection of radio masts at.W	
174584			M Is (R) 220 volt, 60 cycle, motor generator required 12/28	

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FIRE ISLAND: RADIO. 812

Number.	Date.	From or To—	Subject.
174945	12/23	NY	Copies of report signalling test: Telefunken Co; Fire Island and WINSLOW; makes general recommendations.W To--Appvs recommendations; reqt estimates covering. 1/4
174973	12-29	NY	New Chief Elecn reports generators out of commission on taking charge; have appointed board of investigation.W
			1916
176078	12-29	NY	Fwds report of new Electrician in Charge as to generator,etc, being out of com. Investigation ordered.W Fwd Dept--Noted. 1/14
176175	1-12	NY	Reports on investigation on condition of machinery, masts, etc. with recommendations for alterations and repairs. W To--Refers to 174945-812. 1/18
177087	1-22	NY	Report of board on investigation on condition at station; recommends disciplinary action. W
177178	1-25	NY	Recommends survey of apparatus,at station, and certain alterations be made in permanent installation.W
177800	2-1	NY	Outlines plan for fog signals fire islane and light shop. W To--Appvs recommendations. 2/16
178001	1-28	NY	Submits estimates for work recommended by Board of Inspection W. To--Gives work appvd. 2/7

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FIRE ISLAND: RADIO

Number.	Date.	From or To—	Subject.
151760	4-6	NY	Radio set.W Fwd Rad Ser-- For recommendation.4/10 RB 4/14 Fwd NY-- 4/20 RB 10/6
152266	4-13	NY	& SAN JUAN; fwds progress cards.W
153389	4-27	Bu Light Houses	& CAPE COD: reqt status of proposed experimental plants.W. TO NY for recom 8-28
153889	4-10 4-30	Bu Light Houses NY	Arrgt for Wireless, submarine bell and whistle signals. W
154205	4-28 5-4	Fire Island NY	Reqt audion. Fwd NY--Not available for assignment.5/8
154816	5-11	NY	& SAN JUAN; fwds photographs showing progress of work.W
155409	5/19	Fire Island	Reports completion of building for Telefunken compass; recommends no liquidated damages.W
157617	6-11	NY	Fwds corres re supplying coal to Fire Island reqn 567.W Fwd S&A--Rec supply of coal be inc from 13 to 20 tons.6/14
158585	6-19	NY	& SAN JUAN; progress reports.W
166668	9/24	NY	Submits est. for installing 1/2-Kw set purchased from E.J.Simon, at Fire Island.W To--Reqt return of corres.9/28 To--Decision pending.11/3

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812 FIRE ISLAND: RADIO:

Number.	Date.	From or To—	Subject.	
159393	7-1	To S&A.	Reqt shipment of radio apparatus from NY to Fire Island. W	
159403	7-1	To NY. (R)	Have reqtd shipment of one audion amplifier from NY. W	
159789	7-7	To NY.	Report of progess of work on radio direction finding apparatus; reqt outline and status of. W NY gives work involved 7-17	
159803	4/27	Fire Island Radio Sta	Assigns motor sailing launch 1145 after repairs NY	611-2
162157	7/26 7/30	Fire Island Supt	Relative to distress signals; diagrams for short waves. W Ref. SUPT. 8-11	
162267	7/30	NY	& San Juan; fwds progress reports for June. W	
Reqn 84	7-29	Fwd NY.	Reqn 84; maintenance of yard workmen at Fire Island Light Station; returns disappvd. W-R	
162547	8/3	Fire Island Light Sta	Reqt payment of bills for subsistence of men 678	
163152	8-11	To New York	New wave changer ex-KANSAS; repair	
163486	8-21	NY	Reqn for maintenance of yard workmen at work on. W Ref. S&A via Dept. 8-17	
163683	8/16	NY	Revised estimates. W To appd 8/20	
165385	9-4 9-9	NY Y&D	Fire island; report of annual inspection. W Fwd NY--Reqt est for work. 9/10 RB 11/11 Fwd Dept--Appvs est. 11/15 RB 11/20 To NY--Appvs est. 11/15	

NY reqt reqn be cancelled 11-24
Fwd S&A-- Rec cancel. 12/2

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FIRE ISLAND: RADIO 1914

Number.	Date.	From or To—	Subject.	
130486	7-21	NY	Experimental 1/4 kw radio set for; fwds copy of instructions for operating.W	
131073	7-28	NY	Fire Island installat on Telefunken compass; reqt action of estimate. W. Fwd Dept--ests fwded to Dept 7/15--7/29 RB 7 31 app d (attached to 129797-8/2)	
131860	8- 7	Y&D 2102	Building for Telefunken compass; fwds tracing.W. To---appd.8/10.	
132669	8-11	NY	Repairs to station tender Statis; WY	
132740	8-17	Lowell	Measurements	843
134536	9-14 9-15	Light House Board NY	Experimental set Fire Island not operating properly.W Fwd NY-- Instruction have been furnished.9/17	
134957	9-21	Y&D 2102	Bids for Telefunken compass building; fwds. W Fwd Dept-- Concurs in rec. 9/22	
137739	10-23	Y&D	Copy of contract with McDermont & Hannigan for building. W	
139264	11-9	NY	Report of inspection.W	

N.S.E. Form 134.

FIRE ISLAND: RADIO 812

Number.	Date.	From or To—	Subject.	
139354	1 0/31	NY	Reqt orders for assistant civil engineer H.S.Bruns to perform travel between NYI Yd and Fire Island Radio Station	635-4
142790	12-19 12-22	NY Y&D	Compass building for; contractors unable to proceed on account of weather deconditions.W Fwd Y&D-- 12/24	
144487	1-14	To NY.	Reqt representative be detailed to confer with Inspector of Lighthouse District at Thompkinsville with a view to arranging tests of installation on Ambrose Channel Light-Vessel.W	
		1915		
145313	1-12	NY	Relative to arrgts for test of Fire Island with Ambrose Channel light ship for fog signals.W To Dept Commerce--Fwds copy report on.1/27	
149414	3/10	NY	Fwds progress cards	835
149500	3-19	To NY.	Makes allotment for rebuilding landing dock.	602
150322	3-22	To NY.	Installation of Telefunken compass at Fire Island; asks status of work. W	
151195	3-31	NY 453-809-8	Report of test on measuring distance by means of radio signals in connection with and submarine bell signals. Test bewteen Fire Island and Light-vessel 68. To Bu Lighthouses-- Fwds copy report.4/21	whistle
151567	4-1	NY	Installation of Telefunken compass; plan.W	

NB—0120

[OVER.]

FIRE ISLAND: RADIO

1913

Number.	Date.	From or To—		Subject.	
110912	11-20	NY	2674-1	Estimate for moorings for station tender.W To---issue of supplies appd.11/22	
		1914			
115412	1-16	NY		Description of; fwds.W	
~~118853~~	3/3	To NY		Telefunken radio compass; asks rec.as to desirability of installing and testing.	802
121067	3-25	NY	960-5o	Recommends cancellation JO for mfgwave changing device. W	
121286	3-31	NY		Fwds corres. estimates for rebuilding walkway and landing dock. W To---appd.4/2. TO NY appvd 5-27	
122155	4-9	NY		Report of inspection by Public Works Officer Estimate for repairs.W To---repairs appd.4/13.	
~~118853~~	4/13	To NY		Request recommendations re practicability installing Telefunken Radio Compass.	802
123164	4/18 4/22	Guy Hill NY		Relative to practicability of installing a Telefunken radio compass at.W Fwd.Dept.--rec.4/23 To NY (R) 5/15	

NB—0120

N.S.E. Form 134.

FIRE ISLAND: RADIO. 812

Number.	Date.	From or To—		Subject.	
125750	5/23	NY	2674-855-7	Submits estimate for building to accommodate Telefunken compass." Fwd Dept recom app oval 5-28 To--6/6	
125836	5/26	Y&D	9844	Fwds corres., bid, etc.on lumber for landing, dock and wharf.W Fwd S&A 5-27	
126913	6/4	NY		Understands Telefunken compass is to be installed at, in lieu of at Cape Cod." To--6/10	
127216	6/11	NY		Report of inspection.W Fwd NY 6/12 rb 8 18 To---estimate appd 8/18	
127538	6/11	NY		Installation of an experimental set on Fire Island Light Vessel for testing out fog signals and Lighthouse Board. Revised est	898
127810	6/18	NY		Building for installing Telefunken compass; Recommends against building at yard labor and that same be built by contract.W Fwd Dept via Y&D--renews NY's recommendation to construct building by contract 6/19 RB 6 25 appd Fwd Y&D.reqst constrn be prodeeded with.6/27.	
129797	7-11	NY	272	Estimate for installing Telefunken compass.W Fwd Dept 7-15 RB 7 31 appd To--appd 7/31	
130305	7-7 7-17	3rd Light House Dist NY		States set installed for experimental purposes not working satis. W	

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[OVER.]

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FIRE ISLAND: RADIO STA.

1912

3

Number.	Date.	From or To—	Subject.	
81051	10-23	NY 2674-851	Reports on adjustments made to apparatus.W. To---Noted.11/8.	
81030	10/9	DIXIE	Makes complaint re length of time to relay messages from Fire Island to Washn; cites case of 7 hours; recommends changes in sites and equipment.	880
83489	11/25	To NY	Re loan of latest type Telefunken spark gap by Atlantic Communication Co. Bu accepts offer.W	
86459	12-12	At Communication Co.	New spark gap; will attend to matter when Mr. Seelig leaves hospital.W.	
			1913	
87507	1-13	NY	Atlantic Communication Co. state quenched spark gap they propose to givr will be received withint 3 weeks.W.	
91763	3/6	To NY	& SAN JUAN: Requests log books for quarter ending Dec.31.1912.be fwdwarded.W NY fwds 3-8	
93576	3/26	Atlantic Communication Co.	Quench spark gap for radio station; asks that arrangements be made for material to be entered without payment of duty.W Fwd Dept.cannot arr to admit free of duty.3/28.	

NB—0120

N.S.E. Form 134.

FIRE ISLAND 812

Number.	Date.	From or To—	Subject.	
93902	3/20	NY	Estimate for additional inductance coils and switches for and Fire Island	823
1539	3/29	NY	Recommends cancellation of contract with LOWENSTEIN for apparatus for:	629--2
94120	4-12 4-3	Atlantic Communication Dept	Co. Reqt. free importation of quenched spark gap.W. Ret Dept.cannot be admitted free.4/4.	
94585	4-5 4-9	Atlantic Communication Dept 3854-493	Re free entry of spark gap.W To Co.Cannot arrange for free entry.4/11. Fwd Dept.4/11. At Com.Co. 4/14. Dept.4/17 states will del. to NY; reply for Secy's sig.W TO -- deliver to NY Yd. 4-19 TO NY will be delivered. 4-19	
96336	5/1	The Atlantic Communication Co.	Quench spark gap for, being shipped to New York yard for tests.W	
106672	9-27	Y&D 10497-31	Reports on inspection. W Fwd NY 9/30	
108599	10-21	Norf	Estimate for repairs to masts and rigging.W Fwd Dept.rec appr.10/24 R.B. 10 29 To NY.repairs authorized.10/29.	

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[OVER.]

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FIRE ISLAND W.T.STATION.

2

Number.	Date.	From or To—	Subject.	
42517	6/24 6/27	Fire Island NY	Fwds list of stores needed at station. W Ret NY apprd.6/30. RB 8-8	
44472	7/24	NY 2674-590-22	Reports inspection.W	
48351	9/9	Dept 26816-4	Oil engine house; directs payment of bill due W. Wines; Govn. suffered no damage in delay.W Fwd S&A Payment authorized. 9/13	
49727	9/26	NY	Report of inspection. W Fwd Naygn--9/29.	
52389	10/31	Hanes, H.E.	Engine for; Murray Tregurtha bid did not cover distant control; will submit additional quotation if desired.D	
			1912	
57834	12/4 1/3	Fire Island NY 2674	Reports carrying away of aerial on account of sleet on wires. Est. for new. W	
65194	3-30	NY	Report of inspection.W	
67832	5/3	NY	Reports radiograms intercepted by Sta. between Vice President Marconi Co and Mr. Marconi on Kaiser Wilhelm.	892
68467	5/10.	To NY	Requests estimates for modernizing radio station during next fiscal year.W	

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N.S.E. Form 134.

FIRE ISLAND: W.T.STA. 812

Number.	Date.	From or To—		Subject.	
68929	5-15	NY	2674-17	Estimate for completing work on modernizing and gives list of reqns. and job orders outstanding.W	
70117	5/31	NY		TESTS: fwds report from: stating no notice received from Bu. to send test signals to Bu. Standards or Wash. was in communication 26th.	903
70617	6-7	NY	285-13	Fwds report of inspection in Fire Island also reports on station being erected at Sayville , L.I. Will seriously interfere with operations of fire island. W To---comments.6/10.	
74116	7/22	NY		Requests shipment of Leyden jars be expedited.W Ret- Purchase of 9 Leyden hjars is appd. 7/24	
75518	8/7	Fire Island		Reports interference by telephone station at Sayville.W Fwd Dept. S.Bill 6412 provides for regulation of shore stations.8/12.	
75668	8/7 8/12	Fire Island NY		Requests one oil return valve for oil engine.W Ref. N.Y.appd. 8/14	
78860	9-23	NY	2674-20	Reports on inspection. W	
78861	9/20	N.Y.		& NEW YORK . suggestions for modernizing.	823

NB—0120

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FIRE ISLAND W.T. STATION

FILE No.		From or To— (Dated)	Subject.	
28355	1/4	NY 2674-705-46	Induction coil reactance; rerequirements for Ret. no record of change 1/18 R.B.1/24	
28610	1/7	NY	Oil engine house; fwds letter from contr. stating impossible to continue owing to weather conditions Ref S&A Rec extension of time 1/11.	
28838	1/11	Fire Is.	Reports books now on hand at sta Fwd Nav 1/12.	
30850	2/2	NY 2674-705-53	Reports rejection of 5 kw transformer reactance regulator; contract 341-N. W To S&A Recst copies of papers in conn.with bids 2/15. B.L. R.B.2/24	
36214	4/12	NY	ANTENNA: gives radiation	875
36348	4/13	NY	Report of quarterly report inspection.W	
36391	4/17	TO NY	Directs reqn. be submitted for dynamo spark gaps. L	
41472	6/14	NY	Reports on inspection. W	
41572	6/8 6/14 6/19	Com. & Labor NY 2674-590-15 Dept	Re installation of gasoline engine; general plan of station approved. W Ret Dept. Noted.6/20.	
No #	6/20	To S&A	NY reqn 1617; Bids for generator. W	

NB—0120

FISHERMAN'S ISLAND

(SEE DIRECTION FINDER STATIONS, 919-1.)

Number.	Date.	From or To—	Subject.	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

FORT MORGAN RADIO STATION

N.S.E. Form 134.

(See War Preparations - Confiscated Radio Stations)

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	

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FORT MORGAN: RADIO STA.: (SEE WAR PREP.: CONFISCATED STATIONS.)

Number.	Date.	From or To—	Subject.	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

FOURTH CLIFF

(See Direction Finder Stations, 919-1.)

Number.	Date.	From or To—	Subject.	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Do Not Remove
This Card

318197-918-168
519477-797-133
475700-797 139
487609-797 130
513732-797 130
507941-797-127
482438-771-2-216
167640-718-3 114
493091-718-3 118
482189-771-2 194

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.	
654127	12/22	To S&A 1746	Reqst shipment of mat from Washn to SO Annapolis W	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
650887	12/2	To Washington	Annapolis coupled circuit- Gives action cc Dir Commns W K S	
653443	12/4 12/11	Naval Academy Navigation	Rqsts no further action be taken toward erecting and additional radio tower on GREENBERRY Point as it would prevent the utilization of certain acreage for crops and stock W Fwds Navign 12/22 RB 1/25 W Fwds Navign 2/7	
652315	12/13	To Operns	Consolidation of Sayville with Annapolis- Gives inform W cc CO Anacostia- NY Washn- Supt Annapolis O-I-C Bu Standards W RB 12/23W RB 12/19 with print and recommending Sayville arc be installed at Annapolis W Fwds NY 1/9 RB 2/15 W Fwds Washn 2/27/23 RB 3/5 W	
653552	12/7 12/12	Annapolis Station Washington	Rqsts additional allotment to cover high speed Key parts W To Washn- Allotment authd 12/22 Exp. Sta-rqst duplicate of correspondence 1/20 W To Supt Annapolis- Fwds let 12/22/22 1/26/23	

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920-1

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
653889	12/15	Naval Academy	Submits inform rel to status of projects for fiscal year 1922. W
636313	from card 83		To Supt Annapolis- Cooperation- comments 12/21 W

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[OVER.]

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.	
648166	11/4	To Suptg. Annapolis	- Rqn for material chargeable to Station's annual maintenance allotment-	Rb
648579	11/7	Annapolis Station T	Rqsts disposition of requisition for painting and beautifying station W	
648632	10/30 11/7	Annapolis Station Washington.	Recommendations covering efficient means of melting ice W To Washn- - gives Inform cc aAnnapolis 12/15	
649453	11/11	Naval Academy	Status of projects for fiscal year 1923 A	
Naval Academy Eng 61-23 W R	11/20	To Hon sec of Agr.(SecSig)	Bulbs requests that bulbs that can be made available by Bu. of Plant Industries of Agri. Dept be shipped in the spring to the O-I-C Annapolis	Rqn

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.	
651059	11/20 11/23	Exo Sta Naval Academy	Rqsts inform as to availability of allotment for construction of tennis courts W To Suptg Annapolis via Comdt- rel action	12/9
651124	11/20 11/23	Annapolis Sta. Wash.	60 Key armature received unwound not called for by new complement W	
651396	11/24	Annapolis Sta.	Copy letter to ACCS rel to possible shut down during coming winter for ice melting W Dept 12/26 Copy of action to Navigation W	
651436	11/20 11/24	Annapolis Sta. Washn.	Submits complete resume of personnel situation with recommendations covering revision W Fwds Navign via Dir Comm cc Supt Annapolis-Washn 12/21 RB 1/8/23 W	

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[OVER.]

920-1

FRANCE ANNAPOLIS STATION 1922 86

Number.	Date.	From or To—	Subject.
637386	FWD FROM CARD 83		JAG 10/16 Fwds report investigation. Blamed on radio W Fwds J A G via Navign 11/21 RB, 12/12 W Fwds Supt Annapolis 12/16 12/20/22. W. Fwds J A G 1/10
647445	10/28	Annapolis (T)	Have discontinued using Halborg uni-wave keys and coupled arc on account of weak signals. W.
647970	11/1	Washington	Estimates covering cost of manufacture type SE 1848 relay key. W.

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
646910	10/30	To Key West	Reqsts present status of annapolis time relay and when will be ready for test W Key West 11/8 Time relay not ready for test W To Key West- gives test schedule cc Supt Washn observatory- Dir commns 11/16
648118	11/2	Y&D	Deferrization plant - bids will be rejected for time being- cost too high. W.
648165	11/1	S&A	Copy of letter to Experiment Station giving instructions covering method of handling charges for work done by Experiment Station for high power radio station at Annapolis. W.
647874	11/2	To O-I-C Annapolis	Visit of members of patent office to Annapolis cc Supt Annapolis- patent office W

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[OVER.]

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.	
641630	9/19	To Eng Exp Sta Annapolis	Request inform on cable at Station W	906
642167	9/23	To J B Brady	Bu will be agreeable to granting permision to visit Annapolis W	
642771	9/23	Y&D	Copy of letter to Naval Academy fwding prints cov deferrization plant. W.	
643300	9/28	Y&D	Copy of letter to Naval Academy rel to closing out savings and over expenditures under allotments chargeable to Engineering 1918-19. KW	
644547	10/6	Washington Yard	Quarterly inspection report. W.	

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FRANCE ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
640526	FROM OVER		Inspr Broo - 10/3- W.	
644787	10/4 10/9	Naval Academy Navigation	Fwds request of commissary Dept for relocation of ground wires. W. Fwds Washn 10/13 W RB 10/25 Y Fwds Bu Standards 2/20/23 RB 2/27 W Fwds Washington Fwds sketches 6/9	
645597	10/13	Naval Academy	Status of projects, fiscal year 1922, Annapolis Station. W.	
644522	9/18	Expr Sta	Recommendations covg installation of new apparatus at Annapolis Station. Fwds prints W Fwds Washn cc Annapolis 12/8 RB 12/26 W To Washn Allotment made cc Supt Annapolis Dir Comm 2/6/23	

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[OVER.]

Number.	Date.	From or To—	Subject.
639293	8/22 8/25	Annapolis Sta. Washington	Report on instln of new chamber in #2 arc. W Fwds New York 9/2 W RB 9/29/22. W Fwds Washn 10/5 RB 10/28 W Fwds NY 11/3 RB 12/28 W Fwds Washn 1/8/23 RB 1/19/23 W Fwds NY 1/23/23 RB 2/3/23 W
639861	8/23 ?	Exp.Sta. Naval Academy	Request instructions rel to charges for work to be done at Exp.Sta. for Annapolis radio station. W. Naval Academy- 9/18 W Fwds S&A 9/22 Fwds S&A cc Annapolis 10/27
640526	9/6	Exp. Sta.	Ask if relay key should have been furn with main switch board for transmitter furnished by Wireless Impvt Co. W. To C-C Annapolis- Omission of relay key cc Inspr mat NY 9/15 To Inspr mat NY- Gives instrns cc Annapolis 9/15 Exp.Sta. 9/19 W. Inspr Brook 9/22 W. To Inspr mat NY- gives instrns rel drilling 9/27
TO CARD 85			
		54958-629X	
640678	7/30 9/6	Annapolis Sta. Naval Academy	Request auth to use $500 cov construction of concrete tennis court. W.
641072	9/11	Y&D	Water purification plant- cost of work will be chargeable to Engineering 1923. W.

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
641324	9/12	Naval Academy	Status of projects fiscal year 1923. W.
641499	9/8 9/14	Annapolis Sta Washington	Request auth to continue employment of four additional laborers through October. K Fwds Dept 9/21 RB 9/25 KW Fwds Supt. Annapolis 9/27 cc Washn
641498	9/11 9/14	Annapolis Sta Washington	Request rugs listed be ordered on annual contract. Fwds ds & Docks 9/30 W
642167	9/20	J. B. Brady	Request permission to take patent office attorneys to Annapolis. W

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[OVER.]

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
634840	7/26	Washington	Quarterly inspection report W Fwds Washn 7/29
635313	7/28	Naval Academy	Copy Request normal power be used until further notice. W. Communications 8/12 . W Y&D 8/15 W To Dir Comms- gives action cc Yds & Docks 8/18 Fwds Yds & Docks 8/26 To Supt. Annapolis- Reqsts inform 11/29 Nav Academy 12/8 Installation of roof screens not warranted W
636077	8/2	Bureau Stand. Labr.	Report on measurements antenna resistance and arc efficiency at Annapolis during June and July. W. Fwds Washn 8/17 RB 9/12 W To MI- Fwds corres. 9/25 MI Requests drawing and description of Annapolis ground system 10/12 W To MI- Fwds print 10/26 M.I. 11/21 Fwds print of antenna ground sys W
636937	8/8	Washn.	Fwds log of tranmission of time signals at Annapolis, 7/1 to 7/28. W. Fwds Dir Commns 8/23 RB 8/25/22.W
637068	8/8 8/10	Naval Observatory Communications	Fwds copy of letter from C. E. Adams of the Hector observatory Wellington, New Zealand, rel to listening for radio time signals sent out by Annapolis station. W. Fwds Nav Communications 9/7 W cc Washn

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
637386	8/?	JAG c	Subm report covering fire on Government reservations Annapolis Stations. W. To Annapolis (T) Reqsts inform cc Dir comm- Comdt Washn 8/14 To Washn- gives opinion of board of investigation- investigation of fire 8/28 Fwds Navign- gives action taken 8/28 Washn- Fwds reports on measurements of induced voltages. 10/6 W
~~FWD TO CARD 86~~			
637727	8/10 8/15	Annapolis Station Washington	Lists material on hand not required for use at station. W. To Washn removal of appvd cc Annapolis 8/23 RB 8/30/22 W. Fwds Annapolis 8/31 W
637728	8/8 8/15	Annapolis Station Washington	Subm report for increase in annual maintenance allotment. W. Fwds Dir Commns 8/23 RB 8/25/22.W To Washn- rel increase of maintenance 8/28
638276	8/18	Expr Station	Increase power to be used at Sta for sending times signals. Ask if will accept loss caused by burning a hay barn incident to W. To Suptg Annapolis- gives inform 8/25 Naval Academy- 8/28 W.
638331	8/19	T.F.Logan	Requests photos of Annapolis Station W To T F Logan- photographs recd favorable consideration 8/26

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[OVER.]

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
632573	6/16 7/13	Annapolis Sta. Washin.	Alternating current electric fans- request be furn. W. To Washin-- Gives Action 7/22 RB 7/28 W
632509	7/13	Annapolis Sta. Copy "	Unable to maintain higher than 300 amperes- Have requested W.B.& A furn high power.W
632948	7/7 7/15	Annapolis Sta. Y&D	Subm inform rel to water circulating system for oil coil cooling tip. W.
633362	7/18	Annapolis Sta Copy	Report on additional costs of extra power house in transmitting time signals. W
633466	7/18	Annapolis Sta.	Copy of letter to Communications submitting report on cost of extra power house for transmission time signals at full power. W.

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
63348	7/18	Washn.	Winch modifications and cable guard rollers- estimates with prints. W. Fwds Yds & Docks 7/24 Y&D 7/26 Request auth allotment from current ~~funds~~ funds W To Washn. 7/29 RB 8/17/22. W. Fwds Yds & Docks cc Washn 8/24 Y&D- Copy action to Naval Academy 8/26 W Y&D Copy action to Nav.Academy. 8/26 W
634218	7/21	Washington	Fwds beneficial suggestions by H. E. H Hallborg in conn with design of antenna system for Annapolis Sta. W. Fwds Washington 8/24 RB 9/11 W Fwds Dept 9/13 RB9/29 W Fwds Hallborg GE Radio Aid Washn via Comdt 9/30 RB 10/6/22. W. from Washn.
Boston Eng. 8/22 W R 7/21 Fwds Bos to			Towing and repairing automobiles assigned to Radio Station Bar Harbor Me
634538	7/18 7/21	Annapolis Station Naval Academy	Submits recommendations for public Works estimates fiscal year 1924 KW

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[OVER.]

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.	
628584	6/17	Y&D	Copy of letter to Naval Adademy fwdg prints showing proposed location of Deferrization plant W	
629696	6/24	Annapolis (T)	Have disconnected auxiliary antenna - gives results. W.	
629836	6/16 6/23	Annapolis Washn.	Request auth to operate 7 passenger touring car at high powered station. W. Fwds Yds & Docks 6/28 RB 7/1 W. Fwds Annapolis via Wash 7/7 W	
630868	6/21	Washn.	New antenna - fwds vandykes and description. W. To Yds & Docks- Reqsts comments 7/21	
630432	7/1	To Comdt Washington	Interruption to operation of Naval Radio Station, Annapolis. W RB 7/11 W.	

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FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
631320	6/28 7/5	Naval Academy DNC	Disconnecting all auxiliary antenna and retubing- reports on. W.
631742	6/8	Annapolis Sta. Copy	Necessary to shut down for antenna measurements. W.
631905	7/12	To Comdt Washn Navy Yd	Time signal of U.S.Naval Radio Station. W cc Comm Observatory Nav Acad
631906	7/13	To Washn	Annapolis- Four signals on night of 27-28 June- poor results-Reqsts inform rel w Washington 7/24. W. Fwds Dir Comms 7/28
632850	7/13	Annapolis Sta. Copy	Request Bureau Standards check working and compensating valves. W.

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[OVER.]

FRANCE ANNAPOLIS STATION 1922

Number.	Date.	From or To—	Subject.
627413	6/9	Annapolis Copy	Bureau Standards request shut down 6/9 for antenna measurements. W
627580	6/9 6/10	Hon. S.E.Mudd Communications	Rel to interference caused to radio broadcasting by Annapolis Station W Fwds Washington 6/16 RR 6/22 W
627749	6/12	Communications	Fwds copies of corres between Washington Control station & Annapolis Sta rel to economy in use of power W

N. Eng. 134

920-1

Number.	Date.	From or To—	Subject.
627934	5/30 6/13	Annapolis Sta Washington	Request auth to employ additional firemen aat boiler plant W Fwds Asst Dept 6/27
627947	6/13	Y&D	Copy letter to Naval Academy stating work of filling around towers ~~xxx~~ is required under contract W
628369	6/16	Annapolis Sta copy	Request shut down June 17 & 18 to complete antenna measurments W
628523	6/16	Washington	New antenna at Annapolis Submits estimate W

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
625347	5/22 5/24	Annapolis Sta. Naval Academy,	Recommends officer in charge continue to regulate radiation of station. W.
625458	5/26	War Dept	Request auth for Army officers taking radio course at Yale University, to visit Annapolis Station and Arlington Sta. W. To C-I-C Arlington- Gives instrns 5/29 To Supt Annapolis-- Gives instrns 5/29 To Sec of War Asst Sec Sig) gives invitation to visit annapolis- arlington radio station 6/1
625754	5/29	Annapolis Copy	Report on shut down, W.
625843	5/29	Annapolis Sta. (T)	Gives reasons why more than 5 minutes is required to shift arcs. W.
626483	5/24 6/3	Annapolis Sta. Washington	Subm request for water coolers. W.

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FRANCE ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.
626485	5/29 6/3	Annapolis Sta Washn.	Request authority to employ four additional laborers during June, July, August and Sept. for up-keep of grounds. W. Fwds Dep't 6/10
626530	6/2 6/3	Annapolis Sta. Naval Academy	Request small arms be furn . W. Fwds Ordn 6/8
626812	6/6	Annapolis Sta.	Copy- Ask lowest wave length assigned to station. W.
626902	6/7	Annapolis Sta. Copy-	Request 4 days shut down to make repairs to Helix room roof. W. Annapolis Sta. 6/7 T W
626965	6/6	Dept	Copy of telegram to Annapolis stating only two waves necessary. W.

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[OVER.]

FRANCE ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
622078	5/6	To Annapolis (T)	Request permission granted Mr Beal and Mr Elliott Fed Tel co visit Annapolis tomorrow Reqst officer In Charge be directed admit these men and grant usual courtesies W To Annapolis- Rqsts be allowed inspect equipmt 9/2 W	
622723	5/10	Annapolis Sta. Copy	Will snut down 5/11 and 13 for harmonics and unie wave test. W.	
623354	5/11	Naval Academy	Subm statement showing status of expenditures at Naval station. W.	
623592	5/15	Annapolis Station T	New key units taken out of circuits. Gives reasons W	
623759	5/16	Annapolis Sta. (T)	Report from Bar Harbr cov harmonics and interference. W.	

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FRANCe ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
623467	5/17	To O-I-C Annapolis	Searchlight Reqst Inform cc Washn- Supt Annapolis W Naval Academy- Gives name plate data of schlight. 5/22 W. To O-I-C Annapolis-- Searchlights-- Rqns for 5/29 Naval Academy- Station recommends 24" Sperry schlight be furn. 5/31 W. To Annapolis- comments cc Washn 6/14	
624089	5/17	Naval Academy	Fwds receipt from Lt. J. A. Terhune cov receipt from Lt. W. A. Tattersal of manual of engineering instructions. W.	
624243	5/18	Annapolis	J. A. Terhune has asstmedd control of station. W.	
624358	5/11 5/18	Annapolis Washington	Suggestions cov additions to antenna air melting circuits. W.	
624750	5/18	Annpolis Copy	Report on trouble experianced with anode tips- repairs being made. W.	

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Number.	Date.	From or To—	Subject.	
618994	4/17	Annapolis Sta. Copy	Report on progress of various items of work. W.	
620498	4/24	Washn.	Quarterly inspection report. W.	
620748	4/24	Naval Academy	Request Annapolis be auth to hire 6 additional laborers temporarily for coaling of sttion. W. Fwds Dept 5/1 RB 5/4 W Fwds Annapolis cc Washington 5/6	
620743	4/25	Naval Academy	Request auth to use balance from allotment for work on Scotch boilers to screen porches. W. Fwds ds & Docks 4/29 Y&D- Copy action to Naval Academy. 5/1 W	
620867	4/27	Annapolis (T)	Will have triatic #2 in place by night- will test out. W. Annapolis Sta. Nec to modify insulators. 4/28 W	

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FRANCE ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.
620587	4/28	To Marguerita Phillips	grants permission to visit radio Station.W To O-I-C Annapolis Reqst Miss Phillips be permitted to visit Annapolis W 4/28
621088	4/27 4/28	Annapolis Sta. Naval Academy	Fwds report of expenditures for 3d quarter.W
621974	5/5	Annapolis Sta/ (T)	WB&A request 1/2 hour shut down 5/8 for connecting transformers to busses and Bennings power plant. W. To Annapolis - O-I-C Annapolis (T) Auths shutdown Annapolis- Monday morning 8 may to permit changes at Bennings power plant W 5/5
621962	5/5	Y&D	Cpy of letter to Naval academy directing expedite reports on status of work under allotments chargeable to Engineering 1922.W
622072	4/21 5/5	Annapolis Sta. Washington	Suggestions for placing stucco work on wooden buildings.W. Fwds Yds & Docks 5/9 RB 5/13 W.

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[OVER.]

FRANCE ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.
614952	3/23	Annapolis Sta. (T)	WB&A request shut down 3/24 for changing cable end. W.
597672	FRM CARD 70		Washn- Subm revised estimates 3/23 W Fwds Dept 3/31 Dept- Authorizes issuance of travel orders? Fwds Washn. 4/7 To Dir Comms- Gives Schedules of shut downs neccy cc Washn- Supt Annapolis- NY 4/14
615703	3/28	Annapolis Sta. (T)	WB&A request shut down 4/2 for changing cables. W To Annapolis authd cc Washn- Dir Comms- O-I-C Annapolis 3/29
616050	4/3	To Washn-	Condition of insulators of Radio Tele at Annapolis W cc NY

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FRANCE ANNAPOLIS RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
617689	4/8	Y&D	Copy of letter to Naval Academy stating allotment will not be ~~chang~~ necessary cov repairs to telephone cable. W.	
617382	4/7	To Supt Annapolis (T)	Authorizes visit professor Wagner Annapolis Station will arrive with Bureaus Representative Dr Austin at 11 AM Saturday Request Officer in Charge be present W	
618159	4/11	Communications	C&P Tele.Co. will repair faulty cable at Annapolis and submit bill to Engineering. W. Communications 4/15 W	
618397	4/11	Naval Academy	Ask if ground wirless for new towers wil be over head or under ground. W. To Supt Annapolis- Gives inform rel plans	4/20

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
611894	3/2	Annapolis Sta. (T)	Report coy operation of ice melting device. W.
612185	3/3	Annapolis (T)	Request shut down be made 3/5 for taking insulation test on cables- under Severn River- W. To Annapolis (T) Appvd 3/4
612348	3/4	Y&D	Remodeling of barracks completed with saving from allotment. W. Y&D- Copy action to Naval Academy. 3/4 W.
612478	3/6	Annapolis Sta. (T)	WB&A RR Co. request shut down 3/7 to repair switch. W.
613114	3/10	Y&D	Copy of letterto Donnel Zane Co. rel to additional tower material shipt from Merchants Ship Bldg.Corpn. W. Y&D Copy action to Nav.Acadm. 3/10 W

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FRANCE RADIO STATION ANNAPOLIS 1922

Number.	Date.	From or To—	Subject.
613766	3/7 3/19	Annapolis Sta. Washn.	Insulation test of hifh power cables under Severn River and over head power transmission lines from Annapolis to radio station- report cov. W. Fwds Yds & Docks 3/18 RB 4/5 W. Y&D- Copy action to Naval Academy. 3/22 W.
614007	3/16	Annapolis Sta .	W.B.& A. request shut down 3/18 for work W.
613046	3/15	To S&A 9890	Reqst shipment of Cathode sheat from SO Washn to Annapolis W RB 3/22/22 . W
614671	3/21	Y&D	Copy of letter to Naval Academy rel to weight of steel delivered for 600ft radio tower. W.

4—8281

[OVER.]

FRANCE RADIO STATION ANNAPOLIS 1922

Number.	Date.	From or To—	Subject.	
609727	2/15	Annapolis (T)	Report on ice melting apparatus- schlights badly needed during snow storms at night. W. To Annapolis S.I.C Annapolis (T) Gives status of shipment 2/15	
609852	2/13	Nav. Acadm.	Subm data on cost of instln of telephone lines to Annapolis Station by C.&P. T.Co.	W
610237	2/17	N&D	Will design nec water purification plant for Annapolis Station. W. To Y&D-no urgency exists-2;20-W	
610586	1/24 2/13	Annapolis Sta. Nav. AcdM.	Fwds quarterly report of expenditure 2nd quarter. K	

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FRANCE RADIO STATION ANNAPOLIS 1922

Number.	Date.	From or To—	Subject.	
586854	FROM CARD	66	Y&D Copy action to Nav. Acadm. 2/23 W Y&D Copy action to Naval Academy. 3/7 W. Y&D 3/7 W To Yds & Dock's- work cannot be undertaken -Gives inform 3/10 Y&D- 4/14 W.	
611290	2/24	Y&D	Copy of endorsement to Naval Academy stating allotment cards will be forwarded covg additional funds for tanks W	
611667	2/28	Y&D	Copy of letter to Inspr Phila. asking if addtl shipts of material for towers has been made since 9/14. W.	

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[OVER.]

FRANCE RADIO STATION ANNAPOLIS 1922

Number.	Date.	From or To—	Subject.	
606335	1/24	Washn.	Recommends purchase of 2 winches for new antennas at. station. W.	
606852	1/20	NavalAcademy	Report on increased size of water pipe in anode hole. W.	
606887	1/28	Annapolis Sta. T	WB&A request permission to take off power 1/30 W. To Annapolis (T) Approved 1/28	
606981	1/28	Annapolis Copy	Report cov snowing-in of station. W.	
607586	2/2	Annapolis Sta (T)	WB&A request auth to put off power 2/6 To Annapolis (T) Authority granted 2/2	W.

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FRANCE RADIO STTIOn ANNAPOLIS 1922

Number.	Date.	From or To—	Subject.	
608198	2/3	Nav. Acadm. p	Fwds prints giving exact shore line distance adjacent to new tower #5. W. Fwd Yds & Docks 2/11 RB 2/14 with print. W	
608806	2/3 2/8	Nav. Acadm. Y&D	Fwds prints showing shore line in conn with locations of tower #5. W. Fwd Yds & Docks 2/11	
608887	2/8	Communications	Copy of letter to American T/T&O Rel to roofing of cables connecting Navy Dept with Annapolis Sta. W.	
609545	1 18 2/13	Annapolis Sta. Nav. Acadm.	Request allotment of $150 be made for annual maintenance fiscal year 1923. WK	

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[OVER.]

FRANCE RADIO STATION ANNAPOLIS 1922

Number.	Date.	From or To—	Subject.
601066	FROM CARD	71	Y&D- Copy action to Nav.Academy 1/6 W Y&D- Copy action to Naval Academy 1/27 W. Y&D- Copy action to Nav.Acadm. 1/30 W Naval Academy- Copy action to WB&A Elec.RR Co. 2/9 W
603308	1/7	To Bu of Standards	Extension of ground system W Bur Stand- Fwds prints with recommendations.1/19 W
603999	1/11	Anapolis Sta. (T)	Will shut down 1/16 W. To O-I-C Annapolis (T) Approved 1/12/22

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FRANCE RADIO STATION ANNAPOLIS

Number.	Date.	From or To—	Subject.
603858	1/10	Annapolis Sta. (T)	Request station be shut down 1/12 to repair leak in Helix . W.
603254	1/11	Fwd NY	Requests information concerning allotment for arc chambers furnished by NY Yard cc Annapolis K C
604968	1/16	Washn.	Quarterly inspection report. W..
604693	1/16	To S&A 9557	Reqst shipment of searchlight from Hamp Roads to SO Annapolis L
606086	1/18 1/23	Annapolis Sta. Washington	Request inform rel to charges for two new arc chambers. W.

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FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
600459	12/14	Washn.	Fwds prints cov Annapolis high power sta antenna. W.
600485	12/14	Nav. Acad.	Ask proper method of charging electricl work in conn with instln of 750 KW motor generator. KW. Fwd Annapolis 12/27
600786	12/19	To Norman Snyder	Grants permission for party of Miss Elizaleth Sandonini H A Shtw and N Snyder to visit Annapoli December 28 W ~~FwdrY&Dxxiiiiixxx~~
601034	12/12 12/16	MI Nav. Acad.	Request auth cov repairs to ground cable at station by C & P T. Co. W.
601066	12/19 Fwds Yds &	Y&D Docks 1/24	Copy of letter to Dist. of Columbia engineer requesting permit be granted for relocation of Submarine Cable across Severn river at Annapolis. W. Y&D- Nec to re locate submarine cable across river. 12/19 W. Navgn.-Naval Acadm. rqst inform relto agreement reached. 12/16 W Fwd Yds & Docks cc Navign 12/23 Y&D- Rqst allotment of $25,000 be made cov work. 12/28 W.
CARD 72			
601014			Y&D-Copy action to Nav. Academy. 1/3 W Fwds Yds & Docks cc Washn- Comms 1/5/22 RB 1/21 W Fwd Dept 12/23 Repairs to telephone cables 12/23 RB 1/9 W Fwd Y&D-makes allotment-2;20-W Y&D- copy action to Naval academy 2/24 W

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FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.	
601555	12/23	To S&A 9397	Reqst shipmt of material from Wahn W RB 1/10 W.	
601957	12/28	To Boston	Installation of Model TD tube sets at Chatham and Bar Harbor Reqst inform rel status of tubes W	
	ERROR	see 920- 2		
600305	12/17	To Annapolis	Rel visit of Mr. L. Lowenstein to the Exp Station inform Rel W	797
		1922		
603254	1/3 1/5	Annapolis Washn.	Ask to what allotment two arc chambers should be charged. W. Fwds NY 1/11/22 RB 1/19 K To Annapolis Allotment made cc Lt Lidkiff-S&A 1/24	

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FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
597672	11/30	To Yds & Docks	New antenna Reqsts enclosed antenna design for annapolis station be checked and commented on W Y&D- Fwds sketch showing sags. 12/14 W To Washn Fwds Yds and Docks sketch cc Yds & Docks 12/28 Washn- Fwds prints showing speed lengths rqst auth to manufg. 2/6 W. Washn- Vandykes fwded 2/9 W. To Washn Appvs manufacture of links 2/13
TO CARD 76			
597676	12/1	To Washn	reqsts that meter wave be changed as listed cc Dir Communications W
490307		SEE CARD 47	To State Roads Commission-- location of power cables will be immediately checked so that changes may be determine and appropriate 12/2 Y&D- Copy action to Nav Academy. 12/5 W. State Roads Commission Md. Will check up changes. 1/25 W. To State Roads Comm- Gives Action 1/28

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FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.	
597686	12/2	To O-I-C Annapolis	permission is granted foro M Girardeau to visit Annapolis cc Annapolis W	
598858	12/8	Annapolis (T)	Request instrns as to proper appropriation to which cost of instln of 700 KW motor generator should be charged. W.	
598860	12/3	Communications	Copy of letter from Marconi Internatl Marine Communication Co. appointing interference between Annapolis and Rome stations. W. Fwd Bu of Standards cc Dir Communications RB12/22 W. To Dir Comm Gives inform 12/24	12/8
54021	12/9	To Annapolis	Reqst station inspect and test compensator Inspr May Boston WS	629
600187	12/13	Y&D	Copy of letter to Naval Acadm. rel to agreement made with Maryland State Authorities regarding submarines cable to radio station over SEvern River Bridge. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
592981	10/31	To S&A 9085	Reqst shipmt of mat from Washn to Annapolis W RB 3/14/22 W.
		9853	To S&A Reqst shipment of mat from Washn to Annapolis W
592984	10/29	To Annapolis (T)	Authorize Station shut down. Permit contr install topmasts on towers Traffic will be handled W
594722	11/6	Cavite Copy	President's broad-cast message from Annapolis recd. W.
594889	11/8	Annapolis (T)	Cothode sheathe leaking- request expedite return of spares from Washn. W.
556214	FROM CARD 54		Washn- Antenna system & list of parts fwds prints. 11/8 W.
			To Washington- Gives inform rel all costs of work 11/16
			Washn- Rqst shipt order be issued cov material listed. 12/19 W
			To S&A Reqst shipmt of mat from Washn to Annapolis 9401 12/23 RB 4/27/22. W.
			To Washn- Reqst return of papers with comment 2/4 RB 4/13/22. W.
			To S&A Reqst shipment of mat from Washn to Annapolis 389 5/27

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FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.	
595057	11/8	Washn.	Report on status of uni wave key for Annapolis Station and test made on. W. To Washington Gives Action 11/10 Washn- Request travel ordrs be issued to men listed to complete instln of key system. W. Fwds Asst Dept 4/12	
595438	11/8 11/10	Annapolis Sta. Washn.	Two new spare arc chambers recd from N.Y. 11/4. ask to what allotment chargeable. W Fwd NY 11/19	
595437	11/4 11/10	Annapolis Sta. Washn.	Report cov power failure on 11/4 W	
595293	11/14	To Annapolis	Sag in antenna wires Reqst inform rel cc Washn Yds & Docks W. Nav. Acad. Fwds sketch showing ice melting instln. 11/18 W. Fwd Washington cc Yds & Docks 11/28	
596179	11/15	Communications	Fwds copy of letter from Radio Corpn of America reporting interference by Naval transmitter. W. To Radio Corpn of Americl- Gives Action cc Dir of Communications 11/23	
596314	11/17	Y&D	Copy of letter to Nav. Acad. directing modify schedule of prices cov two 600' towers. W.	

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[OVER.]

FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
591621	10/20	Y&D	Copy of telegram to Donell-Zane Co requesting reply to letters rel to modification of towers W
591344	10/22	To Washington	Loan of oil filter to: Disappvd cc O-I-C Annapolis-- Supt Annapolis W
592092	10/21	Naval Aaademy (T)	Boiler inspection and test, quarter ending 9/30- report Gov. W. Fwd Yds & Docks 11/19
592372	10/24	Annapolis Sta. (T)	Arc has been completely dismantled report on condition of. W.
592427	10/25	Annapolis Sta. (T)	Donnell Zane Co' request shut down 10/25 for twoee hours. W.
592568	10/19 10/24	Nav. Acad. Washn.	Protection to telephone lines at cross-overs with power transmission lines Request W.B&A complete work. W. To Washn Balto & Anna Railway Corpn- Reqst inform rea work-- cc Annapolis 10/29 WB&A RR co.- Work not yet completed. 11/2 W Fwd Annapolis 11/4

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FRANCE RADIO STATION: ANNAPOLIS 1921

Number.	Date.	From or To—		Subject.	
592658	10/26	Annapolis	(T)	Subm progress of work on arc. W.	
592662	10/26	Nav. Acad.	(T)	Ask when better grade of carbons may be expected. W.	
591978	10/25	To Washn		Fwds plans listed in conn with manufacture of antenna W Washington- Returns prints. 12/2 W	
591982	10/25	To S&A	9056	Reqst shipmt of mat from Washn to Annapolis W RB 4/8 W. To S&A Reqst shipmt of magnets from Washn To Annapolis 9087 10/29	
592771	10/26	Annapolis	(T)	10400 pounds of antenna wire hauled to station 10/20 W	
592831	10/27	Europ Forces	(T)	Report on signals recd from Annapolis Sta. W	
593075	10;28	Annapolis	copy	xxx Arc completely assembled. W	

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FRANCE RADIO STATION ANNAPOLIS1921

Number.	Date.	From or To—	Subject.	
586658	9/23	To Annapolis (T)	Ask when will be ready to start tests on uniwave key- Gives inform W Annapolis- (T) Test can be conducted 9/27.9/26 W	
587298	8/31 9/26	Nav Acad Y&D	Request allotment of $1000 cov miscl work by Yard labor on two 600' towers. W. Fwds Yds & Docks 9/30	
587319	9/26	Bur Stand Labr	Rqst auth to take measurements at Annapolis sta on antenna rel to reduction in power cost. W	875
588244	10/2	Annapolis Sta. (T) Donnel-----Zane--	Repairs to trapese completed and station in commission. W. Co-- Gives inform 10/8	
588236	10/1	Y&D	Contractors for radio towers request station be shut down 10/29 in order to complete work. W.	
589086	10/8	To S&A 8951	Reqst shipmt of mat from Annapolis to Washn W	
590189	9/29 10/13	Annapolis Sta. Wash	Request auth to erect bungalos- subm estimate. W. Fwd Washn cc Yds & Docks 10/19 RB 12/20 W Fwd Yds & Docks 12/23 RB 12/28 W Fwd Washn cc Yds & Docks 1/4/22 RB 5/9 W	

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FRANCE RADIO STATION ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.	
590442	10/14	Washn.	Fwds addtl copy of quarterly inspection report of. W.	
589870	10/13	To S&A 8983	Reqst shipmt of material fromWashn to SO Annapolis W RB 3/29/23 W	
590851	10/17	Washn.	Quarterly inspection report. W.	
591377	10/20	Annapolis Sta. (T)	Rqst auth to shift leaky arc chamber. W. To Annapolis (T) Grants authy 10/21	
590933	10/20	To O-I-C Annapolis	Visit of rep from Radio Research laboratory to Annapolis Station for Radio experimental work W	
591463	10/21	Annapolis Sta. (T)	Subm report of progress on arc converter. W.	
591679	10/21	Y&D	Copy of letter to Naval Acad directing contractor perform all necessary labor to move stays on towers W	

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[OVER.]

Number.	Date.	From or To—	Subject.
584004	9/1	Annapolis	Reports failure of power line from 8:35 to 9:10 , on Sept 1st. W.
583958	9/7	To Yds & Docks	Lagging of boiler and water piping cc Washington W Y&D-Copy instrns to Annapolis 9/10 W. Y&D 9/21 W
584332	8/28	Walter C. Wuerthner	Request permission to visit annapolis to inspect radio equipt- W. To-- permission granted cc O-I-C Annapolis 9/9
584751	8/30 9/8 ~~Fwd Dept~~	Nav·Academy Washn. ~~via Yds & Docks 9/16 RB~~	Recommends passenger touring car for use of high power station. W. ~~Y&D-Copy action to Dept. 9/17 W.~~
585051	9/12	Nav·Academy (T)	Contractors instln cooling pond -rqst 8 hour shut down. W. To Annapolis (T) Authd 9/13
585794	9/10 S&A-Copy shipt order cov motor cycle from Nav.Acad. to Washn.9/27 W	Y&D	Asks if Indian motor cycle is available for transfer. W. To Yds & Docks Gives inform rel motor cycle 9/22
585851	9/9 9/15	Annapolis Washn	Request spare armature fr motor generator. W. Fwd Washn 9/23 Nav.Acad.-Rqst spare armature for 3 KW.motor generator be ordered. 11/21 W.

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FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
586159	9/19	Y&D	Arc circulating water system- ask if changes recommended are desired. W.
	Y&D-Copy action to Nav.Acad.9/30		Fwd Yds & Docks 9/24
			Y&D-Copy action to Nav.Acad. 9/26 W
586293	9/17	JAG	Dept contract 1076-D- Between W.B&A. and Navy Dept for current. KW.
		contr to Sol	JAG 5/13 Ask if changes are desired for next fiscal year KW
			To Judge Advocate Gen- cc Washn- Annapolis O-I-C Annapolis 5/20
586533	9/21	Nav Academy T	Report station out of commission for about 3 hours in conn with installing cooling reservoir W
586854	9/13	Annapolis	Request installation of water fitters be authorized W
	9/21	Washington	Fwd Yds & Docks 9/28 RB 10/25 W
CARD 74	To Y&D 9/28 RB 2/6/22 W		Fwds Annapolis 10/29 RB 11/5 W
	To Yds & Docks-Gives Instrns 2/14		Fwd Yds & Docks 11/8
	Fwd Y&D-comments-2;21-W RB 7/15/22 W		Y&D- Copy action to Nav.Acadm. 11/12 W
581303	FROM CARD 65		Y&D-Copy action to Nav.Academy. 9/24 W
			Y&D-Copy action to Nav.Acad. 9/28 W.
			Y&D- Copy action to Nav Acad.10/3 W
			Y&D Copy action to Donelly Co 10/3 W
			Y&D Fwds estimates from Nav.Acad. 10/3 W
			Fwd Yds & Docks 10/8
			Y&D- Copy action to Nav.Acad. 10/12 W.

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[OVER.]

Number.	Date.	From or To—	Subject.
579766	8-11	To Y&D	Concrete work for winches and rattail anchor station ANNAPOLIS W copy Wash Nav Acad W Y&D-Copy action to Nav.Academy. 8/13 W
580378	8/12	Paris Copy	Ask what date test between Annapolis and Nantes coulb be started. W.
580805	8/12	Annapolis Sta.	Report of power failure on 8/11 W
581234	8/16	Y&D "	Copy of letter to Carroll Elec.Co. returning prints approved showing modification of piping arrangement of a rc circulating reservior. W.
581303	8/5 8/17	Annapolis Sta. Washn.	Request authority for repairs to station, dock, derrick and coal hopper. W.
CARD 66	Fwd Washington 9/1	RB 9/13 W	fwd Y&D 8/22 copy Wash Naval Acad. RB 8/25
	To Yds & Docks Allotment made cc Washn 9/1		Y&D- Rqst allotment of $25,000 to place wharf in good condition.8/27 WK
	Y&D- Copy instrns to Nav.Acad.9/3 W		& Docks 9/22
	To Annapolis via Comdt Authd cc Yds		
581442	8/18	Y&D	Subm report cov savings in allotments at Key West and Annapolis Sta. KW.
581447	8/18	Y&D	Copy of letter to Nav Academy rel to saving of allotment. KW.

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FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
581726	8/19	Annapolis (T)	Power Co. will shut down from noon until 12:3P Sunday 8/21. W.
582312	8/18 8/22	S&A Solicitor.	Proposed contract for elec current, W.B.&A Railroad Co. KW. fwd Sol 8/27 To Washn Fwds photostat copies of Plan 8/30
582703	8/19	Nav.Academy	Request batteries and condensers. W. Fwd Annapolis 9/2 RB 9/9 W.
583079	8/18	Washn.	Quarterly inspection report. W. To S&A Reqst shipmt of mat from Washn to Annapolis 8699 9/1
583590	8/18	Washn Yd.	Fwds report on quarterly inspction. W.
583724	9/2	Y&D	Copy of letter to Nav.Academy asking for what $1000 is required. W. Y&D- Copy action to Annapolis. 9/16 W
583725	8/29 9/2	Nav. Acad. Y&D	Anchorage for rattail and foundation for winches- fwds plan, etc. W. Fwd Yds & Docks cc Washn 9/8 Y&D- Copy instrns to Annapolis.9/10 W. Y&D Contractors ask if hose can be stored while station is in operation 9/10 W.

Y&D-Copy action to Annapolis-9/9 W
Fwd Yds & Docks cc Dir comm 9/15
Y&D-Copy action to Donnell Zane Co. 10/14 W.
Y&D- Copy action to Nav Acad.10/14 W

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[OVER.]

FRANCE: ANNOPLIS:

Number.	Date.	From or To—	Subject.
573793	7;8	Annapolis copy	Gives reasons why test on transmission of photo-by-radio not successful.W
573787	7;7	Inspr Balto	Copy of letter to Naval Academy relative to inspn of steel doors for Annapolis Sta.W
574047	7;8	11th Dis copy	No results on auditory reception and telegraphone with Annapolis.W
574355	7;11	11th Dis copy	Report on test with Annapolis.W
574810	7;13	Y&D	Fwds specns and prints covering vertical circulating water system.W
575838	7/20	To S&A	Reqst shipmt of resistance tubes from Washington to Annapolis W 8214 RB 8/13 W
576450	7;21	Annapolis	WB&A reqt shut down July 31 for reguying high tension wire.W
575178	7/22	Fwd Intelligence via Naval Communications	Reqst of German represnetatives to visit naval arc trans station W
576523	7;21	Washn	Comments on instaln of float indicators for high power arcs in connection with new cooling pond.W
556214	7-30	To Wash	Installation of winches,- station Annapolis W
CARD 69		To Comdt Wash. appvl manfg 8/17 Washn-Fwds sketch rqsting auth to manuf material for antenna enlargement 8/17 W.	Washn- Fwds preliminary plan of antenna wire sheaves 8/12 W To Comdt Washington- 8/20

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920-1: FRANCE: ANNAPOLIS:

Number.	Date.	From or To—	Subject.	
576708	7;22	Y&D	Copy of letter to Carroll Elec Co stating flow meters will be eliminated from arc circulating water system. W	
577639	7/5 7/27	Annapolis Wasjm.	Request authority to complete unfinished work on apartments for enlisted mens quarters. W fwd Naval Acad 7-30	
578278	8-2	To Annapolis	Permission granted French engineers to witness test of trans apparatus. W copy Director Naval Communications. To Mr. Touly- rel test 8/2	
578691	8/2	Annapolis Copy,	Mr. Touly requests authority to hold test scheduled for 8/2 on 8/3 W.	
578797	8/3	Annapolis (T)	Mr. Touly is connecting his apparatus. W.	
579679	8/5	Annapolis S5a	Report on power failure 7/30 W.	
579255	8/9	To Touly & Johanneau	Arrangements made for continuation of tests Aug 9 and 10. W To Ann Sta--Instrns. 8/9 W	

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[OVER.]

Number.	Date.	From or To—	Subject.
569331	6/13	Annapolis Copy	W. B. & A. request shut down 6/19 for completion of changes in power transmission line W
569454	6/13	Y&D	Copy of letter to Nav. Academy rqsting secure inform from contractor as to contemplated date for instln of addtl towers. W.
569582	6-14	To Naval Acad.	Erection of two additional 600 ft towers W
570068	5/31	Federal Tele Co. 898	Single wave signalling system for Annapolis Station- gives advantages. W. To Federal Tel Co 6-17 To Fed Co 6-17
570417	6/18	Y&D	Copy of letter to Nav. Academy rel to final cost summaries on allotments chargeable to Engineering 1921. W.
570698	6/17 6/20	Nav. Academy Y&D	Will start work on modification of old towers upon receipt of materials. W. fwd Y&D 6/22 Y&D- Copy action to Nav Academy. 6/25 W
570694	6/16 6/20	Nav. Academy Y&D	Plans and specifications for arc circulating water systems- comments on. W. fwd Y&D 6/27

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FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
571314	6/23	Annapolis Copy	W. B.& A. request shut down 6/26 to complete changes in transmission line.W
571577	6/24	Y&D	Copy of letter to Naval Academy piping system- in conn w i h arc circulating system- will make award to only bidder. W.
571261	6-27	To Y&D	Additional allotment for award of arc cooling reservoir at Annapolis W
572336	6/29	Y&D	Copy of letter to Carroll Elec.Co. rqsting estimate cov instln of 2 indicating flow meters.W Y&D-7;5-W
572867	7-5	To Naval Commun	Erection of two additional towers 600' Annapolis W
573266	7;5	Y&D	Communications- Request tune Sayville to 17,145 meters. 11/3 W Copy of letter to Naval Academy stating approved credit card will be fwded covering purchase and instaln of hoists.W
573433	7;6	Annapolis copy	Touly and Maytin.Engineers.reqt auth to make another test with radio photograph transmission.W

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[OVER.]

FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.	
564025	5/13	Nav. Academy	Subm miscl data for data book Public Works of the Navy. W. fwd Y&D 5/23	
563999	5-16	To Comdt Washington	Reqst transmitting tests be carried out on 25th and 26th.	W
MI- Fwds audibility report. 6/2 W Washn- Report of test. W. To Commun- 6-17 Washington 6/15 W To Wash 6/20			Washn. Report on test. 5/26 W fwd Annapolis 6-1 Boston- 6/1 report of test. W. To M.I. 6/20	
565405	5/21	Norf.	Hallborg uni-wave arc key ready for test at Annapolis 5/23 W.	
565532	5/23	Berlin Copy	Annapolis reception variable; Marion receives perfectly. W.	
565534	5/23	H. E. Hallborg	Keys ready for inspection 5/24 W.	
565848	5/24	Nav. Academy	Fwds results for monthly radio reports. W	
Nav Acad Eng. 1/22 5-24		To Wash	Reqst revision of reqn covering power for radio station Annapolis WR	
565017	5/26	Miller	~~Copy of telegram to Annapolis directing arrange for official test of uni-wave key with SanDiego. W~~	

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FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
566327	5/27	Annspolis	Copy W. B & A desires to complete work on transmission lines. W.
565986	5-27	To S&A	Reqst shipmt of armature coils from Washington to Annapolis W 7585
566538	5/27	Annapolis	W. B & A desire to shut down. W. Annapolis 5/28 Copy- W.
566144	6-1	To Norfolk	Rel test of uni wave key W
567725	5/13 6/4	Annapolis Washn.	Rqst authority to hire temporary labor during summer months. WK fwd Washington 6-6 RB 6/15 KW. fwd Sec 6/20
567523	6/3	Annapolis	Telegram. Started unloading of coal from 641-2 barges. Necessary to hire additional truck from Naval Academy. F&D
568694	6/8	M&D	Copy of letter to Nav. Academy in conn with interpretation of proposition cov painting of station. W.
569162	6/7 6/10	Annapolis Communications	Subm report of power failure on 6/6 W
569163	6/11	Y&D	Cpy of letter to Nav. Academy correcting amount of balance available for use in purchasing paint. W

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[OVER.]

Number.	Date.	From or To—	Subject.
559308	4/21	Norf.	Request issue shipt order covering uni-wave key equipt for Annapolis Sta. W.
Norf- 5 7/7	Copy of action to Nav. Academy W.		To Annapolis Gives status of shipmt cc Washn To Norf 4/25 RB 11/25/21 W
			To S&A Reqst shipmt of eqpt from Norf to Annapolis 7193 4/28
559575	4/22	Brown, Post Office Copy	Request Annapo/is station repeat program using increased power. W.
559653	4/23	Annapolis Copy	Progress report on instln of 750 KW motor generator. Washn. 5/3 W.
559883	4/11 4/23	Annapolis S&A	Request adding machine be furn as soon as possible. W. Fwd S&A 4/27
559947	4/22	W. A. Tattersall	Request fwd wiring diagrams for 750 KW generator. W.
558547	4/23	To S&A	Reqst shipmt of cable from Washn to Annapolis 7089 W RB-4;30-W
560637	4;25 4;27	5th Dis Comm	Baltimore radio peports continued interference from Annapolis arc. W fwd Wash 5-9
560843	4;28	Annapolis	Misc data for data book "Public Works of the Navy" concerning Annapolis high power station. W fwd I&D 5/11

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FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—		Subject.	
562035	5/5	Annapolis	Copy	Request authority to shut down 5/6 for connecting motor of generator to line. W.	
562076	5/4	Washn.		In conn with making arrangements for remote control of 750 KW motor generator set, W.	
13845-197	4/5/21	Comdt Wash	Eng	Radio Telegraph-Additional tunrs in loading coal at Annapolis High Power Plt.	
562285	5/6	U&D		Fwds drawings and specifications for 600' towers at Annapolis Sta. W.	
562265	4/19 5/5	Annapolis Sta. Washington		Request authority be given to locate cooling pond and housing adjacent to Helix room. W.	
562365	5/6	Y&D		Copy of letter to Nav. Academy stating strengthening ceiling of tower house completed with saving from allotment. W.	
562664	5/5 5/7	Annapolis Sta. Nav. Academy		Request underwood typewriter be furn. WK fwd Wash 5-17	
562956	5/9	Annapolis	Copy	Mechanics have been sent from Norf in conn with Hallborg key test. W.	

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[OVER.]

Number.	Date.	From or To—		Subject.
556205	4/9	Fwd Dept		re Overtime authority for repairs to arc water supply system W
556756	4/11	Annapolis	Copy	Progress report on preparations for antenna work. W.
556214 see card 64		-69		
556352	FROM CARD 59			Annapolis- Copy- Progress report. 4/11 W. Annapolis 4/21 Copy W Annapolis-copy-elec compressor is being overhauled-relief compressed essential-4;26-W To Annapolir (T) instln appvd cc Washn Annapolis 4/28 To Comd t Wash 5-5 copy Annap
557692	4/14	Y&D		Copy of letter to Nav·Academy directing fwd plans and specifications of cooling system. W.
557754	4/14	Annapolis	Copy	Concrete base 750 KW motor generator completed. W.
556314	4/12	To Washn		Antenna enlargement- Fwds Plan for comment W cc Bu Standards-Yds7Docks-Annapolis-Anacostia W Nav Aca-submits recommendations-4;29-W Washn-Are preparing plans. 7/26 W

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FRANCE ANNAPOLIS

1921

Number.	Date.	From or To	Subject.
55644 0	4/15	Fwd Yds & Docks	Remodeling of marine barracks into married quarters W Y&D Copy of action to Nav. Academy. 4/19 W
556850	4/14	To Annapolis (T)	Auths statiion go out of comm from eight A M Sunday until 5 P.M. Monday 4/18 for addn of wires to antenna cc Dir Comm-Washn W
558355	4/18	Annapolis Station (T)	Progress report on antenna work. W.
559568	4/18	Annapolis Copy	Repairs to antenna completed- report of test. W.
559060	4/20	Washington	Progress report on concrete base for 750 KW motor generaor. W.
559079	4/20	Y&D	Fwds drawings and specifications for painting Annapolis Station. W.
559240	4/21	Annapolis Copy	Progress report on instln of 750 KW motor generator. W.
559248	4/2[illegible]	Exp.Sta.	Fwds specimen of antenna wire- rqst specifications cov wire similar to, be drawn up for M-V hydrophones. W. 797.

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[OVER.]

FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
550521	3/9	Y&D	Copy of letter to Nav. Academy rqsting expedite plans and specifications for painting of buildings. W.
550613	3/7	Nav. Attache Paris Copy	Impossible to recd Annapolis due to wave length used by latter station. W.
550282	3/10	To Fed Tel Co	Fwds set of prints showing detls of constrn of transmitting building at Annapolis W Fed. Tele. Co. 3/14 W.
550692	3/10	Washington	Request quenched gap be furn for Annapolis station. W. To Wash 3-14
551152	3/12 W. B.& A.	Annapolis Copy RR Co. 3/22 W.	W. B&A request shut down 3/14, in order to connect up pole lines. W. To Washn Balto And Annapolis Reqst inform 3/16
551396	2/21 2/23	Annapolis Naval Academy	Ask why GE Co. shipt switch board material with charges not prepaid. R.
553863	3/26	Y&D	Copy of letter to Nav. Academy rqsting recommendations with prints etc rel to paintingof buildings W.
Y&D-Rqst expedite action of allotments 5/5 W	To Y&D 5/10		Y&D-Copy action to Nav. Academy. 5/16 W
554110	3/28	Annapolis Copy	Request inform rel to addtl allotment cov concrete base. W.

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FRANCE ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
554730	3/28 3/30	Nav Sup Depot S&A	Fwds Annapolis shipt request cov adding machine W Fwd Washn 4/14 RB 4/21 W. Fwd S&A cc Washn Annapolis- 4/27
554764	3/31	Y&D CANCELLED) 854	Copy of letter to Grt Lakes fwding drawing showing standard design ofllight radio towers.W
554941	4/1	Y&D	Copy of letter to Nav.Academy giving instrns relative to painting of buildings. W
555410	,4/4	Annapolis (T)	Ask if material used in conn with Ballborg key test and spare parts for Kleinschmidt transmitter is chargeable to station appropriation. W To Washn Gives Inform cc O-I-C Annapolis 4/8
555617	3/14 4/4	Annapolis Washington 635-3	Request authority to hire 8 laborers temporarily during summer months due to concrete work and grading necessary. W. Fwd Dept 4/19
556103	4/7	Annapolis copy	Subm power bill by months, for callendar year 1920. KW.
556163	4/17 4/7	Annapolis Sta.	Comments on increase in wave length of tations main working wave. W. s
TO CAMP 556352 60	4;9	Annapolis Sta T Annapolis-copy-have commenced cleaning wheel-4;9-W Annapolis-Copy-Subm report 4/10 W	Request authority to work overtime in connection with examination of water system to determine trouble with.W
556440	4;6 4;8	Nav Aca Y&D	Ask if have approved change from 5 to 7 apartments in remodeling of Marine Barracks.W

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[OVER.]

Number.	Date.	From or To—	Subject.
547693	2/20	Arlington	Confirms telephone conversation in conn with main flat top at Annapolis being carried away at center. W.
547709	2/21	Annapolis Copy	Report on cork supporting flat top section of antenna being carried away by storm. W.
547836	2/21	V&D	Copy of letter to Nav.Academy giving instrns rel to starting work on erection of 600' steel towers. W.
547900	2/23	Annapolis Copy	Subm report on clearing away wreckage and progress of rigging. W.
547962	2/23	Annapolis Copy	Report on status of rigging towers. W.
547625	2-24	To S&A	Reqst shipmt of radio clothing from Norfolk to Annapolis W RB 3/18 W 6388
547638	2-24	To S&A	Reqst shipmt of radio material from Washington to Annapolis W. RB 3/19 W 6411 Amendment 3/1 6467
547994	2/14 2/21	Annapolis Washington	Request disposition of hotel type giving range. W. fwd NY 2-28 RB 3-8 fwd Wash 3-11
	To S&A. Reqst action be taken 4/2		N.Y. 3/23 W
548311	2/25	Annapolis Copy	Progress of antenna work. W.
548453	2/25	S&A	Boston authorized to shipt to Annapolis 200 connectors for antenna wire. W.

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FRANC ANNAPOLIS

Number.	Date.	From or To—		Subject.
548540	2/26	Annapolis	Copy	Shackles too small, thimbles too large- holding up work. W.
548541	2/25	Annapolis	Copy	Progress report on towers. W.
548688	2/26	Annapolis	Copy	Report of progress on antenna work. W.
548747	2/19	Y&D		Copy of letter to Annapolis making report on amount of work which can be accomplished with $1000 additional allotment. W.
548796	2/27	Annapolis	Copy c	No progress on antenna work, due to weather conditions. W.
548936	2/28	Annapolis	Copy	Progress report, antenna work. W.
		Annapolis- Request authority to place station out of commission. 3/4 Copy-W		Annapolis- Copy- Progress on antenna work. W. 3/1
		Annapolis Copy-Progress report. 3/9 W		Annapolis- Copy- Progress report. 3/2 W
		Annap-Copy-Will have cable for Hailborg's key completed 3/9 3/9 W		Annapolis 3/3 Copy- W.
548385	3-3	To Secty	6353	In conn - laborers- stations Annapolis- Recommends re-employment of at 3.84 per diem- W Dept- Authorizes. 3/5 W.
				Fwd Annapolis 3-11
549468	2/28 3/3 To--	Foundation Co. Communications cc O-I-C Anna 4/2		Request authority to inspect Annapolis Sta. W To 3-12-21 Foundation Co. 3/16 W. To Found Co Gives instrns 3/19

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[OVER.]

Number.	Date.	From or To—	Subject.
538719	1/4	Y&D	Copy of endorsement to Nav.Academy authorizing prepare plans and specifications for arc circulation reservoir W
539865	1-17	To Y&D	Reqst advise if amendment to contract for painting blgs at Annapolis to be icluded in work not provided for by contract W copy Washington Y&D- Copy f action to Nav.Academy- 1/24 W. Y&D-4; 25-W
541376	1/19	Europ Forces Copy	Request inform rel to conditions of test between Annapolis and Prague. W.
541943	1/22	Annapolis	Copy Painter request station be placed out of commission 1/24 to 26th, for painting of Helix room. W.
542253	1/24	Annapolis Sta.	Copy- Request station be placed out of commission 2 days for painting. W.
542369	1/24	Department	Copy of telegram to Annapolis authorizing place station out of commission for painting. W
542990	1/26	Annapolis Copy	Instln of Halborge equipt practically completed. W.
542829	1-26	To Annapolis T	Hallborg enroute Annapolis. W copy Norf Hallborg- (T) Request further instrns. 1/27 W
542825	1-26 To Annpls-	To N.Y. replacement price 2-17	Replacement of defective arc chambers- WK xxxxxxxhn. reqst photos be made for Bur ifo of damaged chamber. copy Cdt Wn Annapolis Sta- (T) N.Y. ask price of damaged arc chamber. 2/16 W.

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N. Eng. 134

FRANCE: ANNAPOLIS 1921

Number.	Date.	From or To—	Subject.
543522	1-31	To Norfolk	Authorizes expenditure of 500 under project Annapolis B 182 SE 21 to increase the insul on key units. W
543527	2-1	To Annapolis via Wn	Instan of air compressor for high speed keys, Radio Sta Annapolis W copy Y&D and Co. Y&D- Copy of action to Nav Academy- 2/4 W Y&D- Retns unexpended allotment of $350. 2/16 W
544511	2/3	Annapolis Copy.	Status of excavations for concrete base of new motor generator. W.
543565	1/21 1/28	Annapolis Nav Academy	Report covering arrival of equipt for instln of Hallborf high speed key system. W 898
545638	2/9	Washington	Nec excavation for instln of concrete base for motor generator completed. W.
546504	??	??	Subm report of board in conn with enlargement of antenna system at Annapolis station. W.
546650	2/14 Washington 3/11 W.	Washington	Calls attn to pin hole leaks in new arc chamber with recommendations cov eliminating trouble. W. To Washington 2-19-21
547025	2-18	To Y&D	Erection of two additonal 600' self supporting towers W Y&D- Rqst allotment cov work. 6/2 W To Y&D- rel addtl towers 6-9 copy Wash and Nav Acad. Y&D- 6/13 WK

FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
533544	11/17 12/7	Annapolis Communications	Subm list of enlisted personnel nevessary for efficient operation of station. W fwd Nav 12/11	
533604	12-9	To Naval Acad	Reqst vandyke and bprints of drawing 3628 foundation and ducts for 750 kw motor gen at Annapolis W Nav. Academy- Foundation of ducts for Motor generator set- fwds prints. 12/13 W	
534840	11/9 12/14	S&A Nav. Academy	In conn with W.B.& A. agents withholding delivery of conduit intended for Annapolis station. W. fwd S&A 12/22	
533497	12 15	To Comdt Washn	Disposition of damaged chamber W	
534747	12/2 12/13	Annapolis Washington	Request instrns rel to method of mounting for power taken from transmission line of radio station by Marine Barracks at Annapolis Rifle Range. WK fwd S&A 12-17 RB 2-24 fwd M.Corpn 5-13 RB 6/15 W. fwd Wash via S&A 6/16	
535336	12/16	Annapolis Copy	Only change in instln has been counter poise W	
526757	FROM CARD 54		Bar Harbor- Copy of action to Mare Is. 12/17 W	

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FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
536700	12/19 12/24	Annapolis Sta. Washington	Sketches for making an oil filter press part of regular equipt of high power sta. W	
526437		SEE CARD 54	To Lt Norf Gives inform re shipmt 12-29 W.	
537507	12/22 12/29	Annapolis Sta. Washington	Ask if cost of materials listed can be charges to stations appropriation for fiscal year 1919- special funds available. K To Annapolis allotment 1/5	
537715	12/31	Annapolis Copy	Report covering instln of resistance type thermometers W.	
538440	12/13 10/4	Annapolis Sta. Washington	Subm request for instln of filters between main water service tank and pipe lines. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
528963	11/12	Y&D	Fwds specifications covering painting of Annapolis Sta. W.
529080	11/12	Washington	Instln of 750 KW motor generator at Annapolis - subm print with estimates. W
529564	11/1 11/15	Annapolis Washington	Subm request for allotment covering remodeling of Marine barracks- fwds prints. w fwd Y&D 11/19 Y&D-copy of action to Nav Aca911; 24-W
529770	11/2 11/17	Annapolis- Washington	Ask if Marine Barracks will be painted along the station. W. fwd Y&D 11/19
529754	11/11	Inspr Fed	750 KW generator control panel for Annapolis station- fwds print. W. fwd Annapolis 11-19
529487	11-18	To Norf	Reqst fwds bprints be fwded for uni ave key to be tested at Annapolis W Nord- Fwds prints. 12/8 W.
529950	10/27 11/17	Nav. Academy Washington	Fwds report recd from C-P Tele. Co. rel to conditions existing between their lines and high tension transmission line to radio Sta. W.
529873	10/18 11/17	Annapolis Washington	Fwds itemized statement of report charges covering transporting 7.6 KW motor generactr set from Naval Academy to Radio station. W To Washn 11/23 Nav.Academy- 12/30 m WK To Annapolis 1-7-21 Washn- Recommends addtl allotment be made 2/25 W fwd Wash 3-11 RB 3/18 W

Y&D- Copy of action to Nav.Academy. 3/18 W
Washn 5/11 W.
fwd S&A 5/17

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FRANCE: ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.
529496	11-18	To S&A	Reqst shipmt of arc key, from Norfolk to Annapolis W RB 5/25/21. W S&A- Copy of action to Norf. 1/6 W. Norf- Copy of action to S&A- 1/15 W
530193	11/19	Annapolis Copy	Reports on progress- Station out of commission until 11/23/ W.
985 529895	11-23 fwd Comdt Washn 12/9 RB 12/20 W Fwd Annapolis 12-23	To Annapolis	Instlan 750 kw motor generator set W copy Wash Cdt Nav.Academy- Fwds prints showing location of foundation motor generator set. 12/3 W.
530415	11-26	To S&A	Reqst shipmt of cable from Washington to Annapolis W RB 12/24 W
531576	11-30	To Naval Acad	Insulators- advise rel number in use at station W Nav.Academy- 12/30 W.
531575 Shipt order from Annapolis Greenburg Pt to N.Y. arc chamber 1-24-21 6020 SO RB 3-15	11-30	To N.Y.	Reqst cost to cast and machine arc chambers for station Annapolis in accordance with drawing Fed Co enclosed W N.Y- subm estimates. 12/14 W To Washingt 12/21
532349	1 2-3	To Naval Acad	Reqst copies of print W copy Norf
533456	12/7	Annapolis Copy	Progress report, on counter poise. W. Annapolis- Sta- Copy- Will use entire time for work. 12/8 W
533497	11/24 12/6	Annapolis Washington	Request disposition of damaged arc chamber. W Washington 12/17 W Fwd Wash 12/22

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[OVER.]

Number.	Date.	From or To—	Subject.
525507	10-26	Annapolis Sta (copy)	Request auth to commence breaking down #2 arc converter for renewing leaky chamger; W
526223	10-29	Annapolis (copy)	Progress report covering breakdown of #2 arck; W
526241	10-28 10-29	Annapolis Y & D	Fwds preliminary design for arc circulating water reservoir; W fwd Washn 11/5 RB 12/9 W fwd Y&D 12/30
526349	10-30	Annapolis Sta (copy)	Progress report on shifting arc chamber; W
526437	11-2	To Norfolk T To Ill Norf Reqst inform re shipmt of keys cc Washn- Anapolis-O-I-C Annapolis 12-11 Norf- 12/17 W To S& Reqst shipmt of Panel from Wachn to Anna 5704 12-29	When will key for Annapolis be ready to test and what material is required to be supplied by Bureau W Norf- (T) 20 days required to manufacture key resistance. 11/3 W. To Norf Tel expedite 11-10
526757	11-1	Annapolis Sta (copy) Bar Harbor- Copy of action to Mare Island- 11/23 W. Bar Harbor- Copy of action to MI 12/2 W Bar Harb-Copy of action to MI. 12/7 W	Progress report on installation of new arc chamber; W Mare Island- Copy- Request arrange with Bur Standards and Pearl Harbor for test. 11/6 W To Bur Standards 11/9 copy Com Bost MI
527203	11/3	Annapolis	Progress report on replacing arc chambers W.

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N.S.E. Form 134.

FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
527550	11/5	Annapolis Copy	Progress report on Changing arc chamber.	W.
527770	11/3 11/5	Annapolis Nav. Academy	Request authority to hire one civilian fireman. W. fwd Sec 11/12	
527860	11/6	Annapolis Copy	~~Progress report, Newark Chamber.~~	W
527605	11-8	To S&A	Reqst shipmt of radio trans set from Washn to Annapolis W RB 11/15 W. To S&A shipmt order from Annapolis to Wash radio arc trans 3/9/21 6527 RB-4;2-W	
528107	11/8	Annapolis Copy	Progress report on work. W.	
528188	10/26 11/8	Annapolis Washington	Report covering instln of 2 settling tanks. W	
528267	11-12	To Asst Secty via Y&D fwd Washn 1-22 copy Annapolis RB 2-5 Y&D- Lists accessories being del with truck 1/21 W. Fwd Yds & Docks 2/11/21.	Motor car for station- Annapolis- Recommends assignment. W To Asst Secty via Y&D 1-7-21 RB 1-19 Y&D 1-6 W fwd Y&D 2-7-21 Fwd A&D 1-21	
528924	11/12	Annapolis, Copy	Progress report covering assemblying of #2 arc. W	

Number.	Date.	From or To—	Subject.	
517652	8-30	European Forces	Official test log shipped; fwds; W	
513428	9-15	Radio Lab, Bu Stand	Submits report on 800 meter harmonic note from Annapolis; W	919-13
518963	9/23	Naval Academy	Request authority to hire civilian fireman at high power radio station. WK.	
520864	9/2 10/2	Annapolis Washington	Report covering damage in cupolo. W. To Washn 10/6	
501742	10/4	Washn.	Characteristics of elec power supply, Annapolis Sta. W	876
521258	9/20c 10/5	Annapolis, Washington	Hoods and brackets for over windows in sub station and power house- subm prints with estimates. W. fwd Y&D 10/8 copy Washn	
521960	9/23 10/8	Annapolis Washington	Report covering receipt of 750 KW motor generator. W	

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N.S.E. Form 134.

FRANCE ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.
522032	10/4 10/8	JAG Navigation	Report covering fire at Annapolis Sta. W fwd Navigation 10/12
523085	10/13	Exp.Sta. Copy	Request authority to shut down for 6 hours 10/18 for repairing leaking helix room leak. W.
523896	10/18	Annap..Sta Copy	Request station be placed out of commission 10/20 for repairs to tanks. W.
524074	Lo/19	Sayville Copy	Arrangements made to discontinue work 10/20 W.
524798	10-25	To Dir Comm	Radio Tel calls atten to plans W. To Anna-- Gives comment cc-Wash 10-26
525374	10-23 10-25	Anapolis Naval Acad	W.B.& A. freight station has box of conduit on hand; ask from where same was shipped; W To S&A 11/1 S&A- Ask shippers name. 1/21 W. Fwd Inspr GE 1-28-21 RB 2-15 fwd S&A 2-18 RB 2-19
525439	10-26	Annapolis (copy)	Request expedite repairs to cathode sheathes; W

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[OVER.]

FRANCE ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.	
506696	7/20	Washington	Recommends steam driven turbo generator be removed from Annapolis and turned into store at Washington. W. fwd S&A 7/29 S&A 8/6 Copy of action to Nav. Academy.	W
507025	7/21	Anacostia	Subm report on power failure W.B.&A. 7/15	W
507216	7/6 7/23	Annapolis Washington	Subm report on leaks in roof of Helix room. W. fwd Y&D 7/29 Y&D Copy of action to Nav. Academy. 8/2	W
473383	from 42		To Inspr GE. no action will be taken until contactor for installation at Annapolis available. 7-28	
508623	7/19 7/29	Radio Test Shop, Washn. Nav. Academy	Proposed erection of cooling system for arc circulating water at Annapolis - fwds sketch with report covering. W. fwd Y&D 8/3	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
5 09312	8/2	Y&D	Copy of letter to Naval academy making allotment covering cost of repainting buildings. W.	
509736	8/3 8/3	Annapolis Naval Academy	Subm report on test made 8/1 W.	
510736	8/5	Exp.Sta.	Subm report on test 8/1 W. Communications Report of test with sample of tape. 8/10 W/	
510855	7/26 8/5	Annapolis Washington	Request authority to remove section of barbed wire entanglements. W. To WashN appvs recs 8/14	
511532	7/23	Europ Forces	Fwds request of French authorities to Experiment with a high speed receiving station recently installed. W. fwd Comm 8/19 RB 8/21 W	
511586	8-16	To Annapolis	Reqst for permission to visit station by Mr. J.C. Stroebel. W ~~To Annapolis~~	
514012	8/24 8/26	Nav. Academy Y&D	Request allotment of $158. to cover piping for tanks. WW. Fwd Y&D 9/31 Y&D- Copy of action to Naval.Academy.9/3 W	
515062	9/2	Annapolis Copy	Matnr temporarily repaired; set now in operation. W.	

FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.
504 430	7/3 7/9	Annapolis Washington	Repaired voltmeter recd back from Bristol Co. and installed. W.
541302	7-12	To Comdt Washn	Antenna- Diregard letter of 2/16 as decided overhaul present antenna and provide winches to obviate sagging of antenna tratics which caused trouble. W(see 473606- 920-1)
504029	7-12	To Annapolis	Layout plans of station. Fwds photostat copies of. W copy Washn
505115	7/12	Solicitor	Fwds copy of agreemtent 1076 covering renewal of contract for furnishing elec current, Annapolis, tation. W. To Annapolis via Washn. fwds copies of correspondence 7/15
505526	7/8 7/13	Radio Test Shop Nav. Academy	Recommends requisition be prepared for hand driven cargo winches for Annapolis Sta. W.
505759	6-24 7-16	Anapolis Washington	Submits suggestions rel to accomplishing of proposed work; W
505760	6-25 7-16	Anapolis Washington	Suggestion for design of complete cooling pond for arc cooling water; W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
505998	7/6 7/16	Annapolis Washington	Brackets repaired by station force and Dept of Buildings and Grounds. W.	
505997	7/16	Washington	Report covering receipt of material. W.	
	Washington 5/2/21. W.		To Annapolis. reqst advise if info rec is correct 7-28 copy Cdt Wash Washn. 8/5 W.	
506115	7/17	Washington	Recommends requisition be prepared for repainting buildings at Annapolis Station. W. fwd Y&D 7/29 Y&D- Returns balance from allotment. 2/24	W
506114	6/19 7/17	Annapolis Washington	Report on ceiling sagging in arc room. fwd Y&D 7/29 Y&D - Copy of action to Nav.Academy. 8/2	W. W.
506293	7/19	Washingron	Arrangements made with GE Co. cov replacement without charge, of current transformer.	W.
494626	from 48		To M Island(T) endeavor equip for test any suitable ships available 7/21 15th Dis-copy-report on test-7;26-W To Bar Harbor(T) 7-28 To M.I.(T)7-28 To Annapolis(T) 7-28 To Balboa(T) 7-28 Mare sland 7/26 W Bar Harbor- Copy - report on test. 8/2 Mare sland Report on test. 7/27 W First Dist. 8/3 W. Mare Island- Report on test. 8/4 W. To Communications 8/24	 W

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FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.
501552	6/16 6/24	Annapolis Sta. Washington	Subm report on test made 6/13 W
501668	6/25	Annapolis Sta.	All work in conn with sweet Fuller experiments stopt 6/21. W.
501926	6/16 6/25	Annapolis Washington	Progress report on water settling tanks on concrete gutters. W.
502258	6/29 Y&D- 8/5	Washingtpn W	Proposed instln of anemometers at Annapolis Station - fwds estimates and Weather Bureau report on average three air conditions at Drexall, Nebr. W fwd Y&D 7/2 RB 7/12 W Fwd Y&D 7/2 To Com at Washm. no further action at present 7/16
502343	6/29	Nav.Attache, Rome Copy	Radio communications withe Annapolis partly interrupted. W
502507	6/30	Fed. Co. (T)	Ask if Dept still intends to commandeer single wave for Annapolis Sta. W.
502516	6/25 6/30	Annapolis Washington	All work in conn with sweet fuller experiment stopt 6/21. W.

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
502665	6/2 6/30	Naval Academy Washington	Reque t station be furn with furniture listed for married men's quarters. W. fwd S&A via Y&D 7/6	
502729	6/23	Western Elec	Letter of introduction G.F. Beefis French Engr who wishes to visti Arlington and Annapolis stations W	841
500950	7/3	To Y&D	Reqst attached plan covering remodeling of Marine Barracks at Annapolis be reviewed and comments fwded rel cost. $8,000.00 authorized W Fwd Yds & Docks 3/24	
503369	6/24 7/3	Annapolis Washington	Progress report on work undertaken by Dept of Building and Grounds. W.	
503370	6/23 6/3	Annapolis Washington	Request authority to hire 6 addtl temporary laborers for instructing and building side walks, etc. KW. fwd Sec 7/8 RB 7/16, authorizing K. To Washington. employement of laborers during summer months 7/23	
503762	6/28 7/6	Annapolis Washington	Report on receipt of material at Annapolis from San Diego. W.	
504361	7/9	Y&D	Returns balance of appropriation cov instln of gutters. W. To Y&D- allotment made 7/14 copy Annapolis Y&D- Copy of action to Naval Academy. 7/30 W	

FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
495337	4/30 5/22	Annapolis Washington	Request re-painting of all buildings be started until after 7/1.	not W
496421	5-28	To Annapolis	Permissions granted Mr. Charles Speaker radio aide of Bur Standards, to visit station on May 29th. W To P.Solenberger Naval Observatory- grants permission 11/30	
497035	6-3	To CO Annapolis Station	Permission granted Lt. Bowden to visit station. W	
498075	5/17 6/5	Annapolis Station. Washington	Necessary to shut down station to clean main water supply tank on 5/17.	W.
498166	5/17 6/7	Annapolis Washington	To motor generators complete, recd from Westinghouse E/M Co. To Comdt Washn- $139.00 authorized 6-11	W.
498434	6/2 6/8	Annapolis Washington	Report of operations for month of May.	W.
498433	5/24 6/7	Annapolis Washington	Progress report made by Public Works.Dept.	W.
498437	6-11	To Comdt Washn	Approves instaln of seven station two trunk line, Cordless monitor switchboard, having bell supervision on all stations.	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
499248	5/10 6/12 Y&D- Copy of action to Naval Academy 10/12 W. Y&D- 10/19 W	Annapolis Sta. Washington	Subm report on Navy drinking water at Annapolis Station - request be remedied. fwd Naval Acad 6-22 RB 6/30 W fwd Y&D 7-28 Y&D 8/20 W. fwd Washington 8-28 copy Y&D RB 10/6 W. fwd Y&D 10/9	W
499562	5-16	To Annapolis	Permission granted Mr. Frank Conrad and Mr. Quinton Adams to visit station W	
500013	6/15	Washington	Recommends hot well for main boilers at Annapolis station, be removed and reinstall at rear of main boilers and all defective piping be renewed. W.	
500021	6/16	Annapolis Sta.	Subm report covering cleaning of dirt and water from #202 oil cooling tank. W	
500088	6/17	Annapolis Sta. Copy	Request boiler maker, D.A.Brown be sent from Washington Yard to repair pin holes in #1 arc. W.	
500950	5/10 5/22 Y&D Request addtl allotment 2/11 W fwd Y&D 2-17 RB 3/18 W Y&D-Copy of action to Nav.Academy 3/18 W Y&D-Copy action to Nav/Acad. 3/28 W Fwd Yds & Docks 4/16	Annapolis Sta. Washington	Request Naval academy be authorised to estimate cost of remodeling present marine barracks. Subm Sketch. W. To Y&D 7/3 RB 7/14 with print W. fwd Y&D 7/16 Y&D- Copy of action to Nav. Academy 7/29 W Y&D 7/22-Copy of action to Nav.Academy. 7/22 W	

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FRANCE: ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.	
492077	5-10	To Officer in charge Annapolis	Members of Danish Comm will visit station. Reqst give information he may desire.	W
492078	5-11	To Officer-in-Charge	Members of British Radio Comm., will visit station. W To Comdr H. Schledermann. Permission granted to visit station 5/11 To Capt Faber. permission to visit 5/11	
493271	5/10 5/11	Annapolis Naval Academy	Rqst steam driven turbo generator set be removed, of no further use. fwd Wash 5/14 RB 5/20 W.	W.
492909	5-13	To L.F. Fuller, Amer & British Mfg Co.,	Fwds plan of Annapolis carbon drive motor cast iron bracket. W	
493440	5/12	Memo for Cmdr Hooper	Subm approximate cost data, Annapolis Sta. W.	
493235	5-14	To Off in Charge Annp.,	Permission for vist of Mr. Hanson. To M.G. Hanson. permission 5/14.	W

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	
494307	5/7 5/17	Annapolis Sta. Washington	Ask if Bur contemplates instln of a overhead power transmission line in addition to one already installed. To Comdt Washn via Y&D- auth given for repairs under conditions outlined 6-4	W.
494306	5/7 5/17 Annapolis 5/27 W	Annapolis Washington	Subm report of burning out of currents - transformer, used in conn with recording Watt meter due, to being grounded. Annapolis 5/17 W. Washington 5/22 W To Comdt Washn- suggests take up with GE 5-26	W.
494382	5/13 5/18	Annapolis Washington	Subm report on operation of station, current use, to date.	W.
494626	5-20	To P.H. M.I. Balboa Cordova Bar Harbor	(T) Observe signals Annapolis 5/25. W copy to Com Comdt Wash and Annapolis To Annapolis- (T) rel test- 5-20 copy Comm and Comdt Washn Cordova- Copy- report on test. 5/26 W Mare Island-Copy- report on test. 5/26 W. PCCS-(T)-Report on test. 5/26 W Balboa-(T)- Report on test. 5/26 W Pearl Harbor-Copy- Report on test. 5/26 W WashN. 6/8 W. To Annapolis (T) arrange same test for 13th 6-10	
51	To Balboa(T) rel test 6-10 15th Dist- Copy -Report of test. 6/14 W 15th Dist- Copy- Request action. 6/21 W. To Annapolis (T) 7/16 To MI (T) 7/16 To Bar Harbor & Balboa (T) 7/16 Mare Is. (T)-Rqst special provision be made for waters. 7/19 W			
494635	5-21 Washn. Report on cleaning dirt and water from #2 arc cooling tank. 5/24 W	To Comdt Washn	Reqst report repairs made to arc chambers to correct water leaks, station Annapolis W Washington 6/7 W Washn-Fwds corresp. with report on attempting to patch over cracks in arc convertors. 6/21 W	
495183	5/22	Radio Corpn of America-	Have notified director general telegraphs Norway tentatively agreeing 1 hour daily schedule between Annapolis and Stavanger for U.S. and Norway Govt. traffic.	W

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FRANCE A NNAPOLIS

Number.	Date.	From or To—	Subject.	
489170	4/22	Annapolis Copy	Cleaning and drying oil tank portable completed	W
489408	4/23	Annapolis Copy	Arc field coil tank placed in commission.	W
489151	4-24 Fed. Tele. Co. 5/14 W. Fed. Tele. Co.-Returns power charts. 6/1 W	To Comdt Washn	Reqst fwd recording ammeter charts showing current delivered to arc for three days during Feb March April 1919. W RB 5/11-W Annapolis- (T)- Ask if records can be sent. 5/4 W To Fed Co. fwds ammeter and voltm charts 5/13 To Annapolis returns charts 6-4	
491149	4/27	Annapolis Copy	Copper patch in #2 arc chamber leaking; will try to electric weld. W.	
490729	4/29	Annapolis Copy	Subm estimate covering trimming trees, etc by Mr. Connely. To Annapolis auth granted (T) 5/1	W
490781	4/30	Annapolis Copy	Patch completed on No. 1 arc chamber - W	
490777	4/29	L. F. Fuller T	Are sending Engineer Richard Kent to Annapolis Station - W	
490996	5/1	Annapolis Copy	Work on patches finished and satisfactory test completed. Annapolis- Copy- Patch water tight. 5/1 W	W

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N.S.E. Form 134.

FRANCE ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.	
490308	4-30	To Annapolis	Authorizes visit of Mr. A. Forbes. To A. Forbes, permission to visit station at Annapolis 4/30	W
490307	4-30	To Md. State Roads Comm. W.	Asks advise in re to plans for replacement of bridge at Annapolis. W	
	Annapolis ? Y&D 6/12 W	To Annapolis via Comdt Washn fwds coy of letter 6-17 State Roads Com-Balto.-Fwds prints showing proposed bridge across Severn River at Annapolis. 11/28 W	Md State Roads Com - will start constrn of bridge next fall - 5/5 - W To State Rd Comm. necessary action will be taken 5/11 Fwd Y&D 5/11	
489774	4-27	To Annapolis (T)	Authority granted for inspection made by W.B. & A. W	
491617	4/30 5/4	Nav. Academy Y&D	Temporary instln of settling tanks for improving water system; subm recommendations covering	W
492171	4/29 5/6	Annapolis Sta. Wash	Constrn of new concrete bridge over Severn river will necessitate removal of 2 power cables under river - W	
492298	5/7	L. F. Fuller T	Reqst fwd print of carbon drive motor cast iron bracket - W	
491959	4/30	mInspr Fed.	Copy of letter to Inspr. GE fwding copy of order placed with GE Co. for top section of generator panel, Annapolis Sta.	W.

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FRANCE: ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.	
486513	4-12	To War Dept. Major Malterer, Permit to visit	Permission granted party to visit station at Annapolis. W To Annapolis- Reqst party be allowed to inspect station 4/12	
486521	4-13	To Washn	Development of high frequency ammeter for use Annapolis not warranted at this time. W	
488059	4/17	Annapolis Copy	Spare arc chamber ready to install if necessary; condiser work nec.	W.
488510	4/19	Annapolis Sta. Copy	Nec to place station out of commission to examine trouble in oil tank	W.
488512	4/19	Annapolis Sta. Copy	Station out of commission due to #1 arc chamber.	W.
488555	4/12 4/19	Annapolis Washington Yd	Reports on power failure, 4/8. W. To Annapolis. need not report unless extend over 10 minutes 4-2	
	Washn- Report on power failures.6/ 6/18 W		Washn -Report on power failure on 6/5	W.6/14
	Washn 8/17	W	Washn- Report on power failur 6/2 W 6/14	
488604	4/20	Annapolis Copy	Subm report on progress in draining oil from #2 field coil tank.	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
488796	4/12 4/19	Annapolis Washington	Report covering power failure on 4/12. W.	
488804	4/21 fwd Y&D	Y&D 5/14	Subm report covering saving effected from appropriation to build electric transmitter line. Washn. Subm suggestions, covering carrying leads across Severn river. 5/10 W.	W.
488832	4/21	Annapolis Copy	Will have #2 field coil tank completely cleaned night of 4/21.	W.
488537	4-21	To Comdt Washington	Reqst estimates covering installation of Ingersol Rand air compressor and motor at Annapolis in conn with installation of Norfolk high speed relay key. RB 7/14 WW To Annapolis via Washn rel instal of Intersol Rand cmpressor and motor 7/16 cc Y&D Y&D - Copy of action to Nav.Academy. 5/22 W	
488756	4-21 Radio Power Corpn. 5/11 W. To Radio Corpn- acknow letter of 5/11 5/19	To G.C. Sweet, Engr., Radio Power Corpn.,	If your interests will allow complete disclosure of technical details of proposal, will be glad to discuss apparatus, and assure you will not interfere with patent claims in this or other countries, as will not be made public. To G.C. Sweet- confirmation of understanding reached in conference on 4-21- gives summary of 4-22	A
488548	4-22	To Annapolis (T)	Comdr Sweet and Mr. Fuller arrive 9:30 tomorrow. for inspection of equipment station. W	

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FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
480474	2/26 3/8	Annapolis Washington	Subm report on power failure on 2/26. W.	
480868	3/9	Bar Harbor	Fwds samples of photographic tape taken on Annapolis High speed sending. W	909
481429	3/13	Annapolis Copy	Necessary to get out of commission 3/12 due to South East wind.	W.
482652	3/13 3/19	Annapolis Wash	Submits type number of main line contactors installed - W	
482443	3/23	To Annapolis Permission to visit	Permission for R.Anderson and Mr. D. Bason visit station- Reqst for. copies D. Bason	W
483761	3/17 3/24	Annapolis Sta. Washington	Subm report on explosion in #1 arc.	W.
484027	3/24 3/25	Washington Naval Academy 635-3	Subm commendations for personnel, Annapolis station, covering risks and hardships taken to put station back in commission, damaged by resent storms and high winds. W. X fwd Nav via Secty 4/3 (commending personnel in conn repairs at Annapolis)	

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N.S.E. Form 134

Number.	Date.	From or To—	Subject.	
299209	FROM CARD 1		Fwded S&A- 4/2	
485053	3/29 4/1	Annapolis Sta.	Subm report of power failure on 3/28.	W.
485491	4-5	To Annapolis	Fwds copies of Fed Co's radio maps as reqstd. W	
485497	4-7	To Im NY error	Fwds copy of direction finding tests conducted on Hills, by Rene Mesny-	W
485504	4-7	To Annapolis via Cdt	Advise rel receipt of air compressor shipt from FSB to Annapolis on Feb 17th. W Annapolis 4/14 W.	
486827	4/6 4/9	Annapolis Washington	Request authority to hire two addtl labourers for work around grounds Fwd Sec 4/14	W.

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FRANCE ANNAPOLIS 1920

Number.	Date.	From or To—		Subject.	
476762	2/18	Annapolis	Copy	Status of repairs.	
477033	2/18	Annapolis	Copy	Subm report on status of repairs.	W.
477291	2/20	Annapolis	Copy	Subm information rel to work to put station in commission.	W
477145	2/19	Annapolis	Copy	Subm information rel to pay of civilian firemen at Station. KW X635 - 3	
477488	2/21	Annapolis	Copy	Progress report	W
7 447320	2/21	To Annapolis (T)		7321: reqst conveyance meet two Bureau representatives Feb. 23, electric car arrive ten thirty A.M. W	

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N.S.E. Form 134

Number.	Date.	From or To—	Subject.	
477548	2/22	Annapolis Copy	Station in commission.	W.
478394	2/27	Annapolis Copy	Current readings in towers will be taken when opportunity presents itself	W.
478221	2/27	To Supt Naval Acad via Cdt Wash	Alcohol- advises rel to amount used at Pearl Harbor. copy Officer in charge	
479734	3/3	Annapolis	Fwds specimens of test made on Annapolis high speed transmitter set.	W
479259	3/3	To Annapolis	Authorizes visit of Interdepartmental radio board to radio station, Lt. Cdr E.H. Loftin and party. W	
479460	3/6	To Annapolis	(T) 7306 your 2004 1545 Buseng will furnish plans of sixty kw Tuckerton arc to Puget Sd W	

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FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
473606	1/31 Dec 2 41202 - 920-1	Washington	Faults and difficulty encountered with present type of antenna and suggestions for new design; subm sketch, report and correspondence cov. W. X 875 To Cdt Wash 2/16	
473032	2/2	To Comdt Washington	Alterations to antenna to prevent accumulation of ice. W Wash - 3/19	
474034	2/4 Annapolis- Copy - Report on repairs. 2/9 Annapolis- Copy 2/10 Lar.Sta-Copy-Progress report. 2/13 Annapolis-Copy-Report on repairs. 2/14	Annapolis Copy	Subm report of damage to towers caused by high wind. Annapolis 2/4- Copy Annapolis- Copy - Progress covering assembly of material. 2/5 Annapolis - Copy - progress report. 2/7 N.Y.- (T)-Repairs are being made. 2/7	W.
474107	2/4 To Annapolis. 2/17 copy Sup Annp and Cdt Wash Fed. Tele.Co.- Fwds photos of Annapolis station. 5/18. W. fwd Intel 5/20 RB 5/22 with photos W	Fed. Tele. Co.	Request authority to have photos taken of parts listed of radio instln at Pearl Harbor and annapolis. fwd Intelligence 2/7 RB 2/14 To Cdt P.H. 2/17 To Fed Co. grants permission 5/24 To Fed Co 2/ 17 copy Cdt PH Annp	W.
474225	1/30 2/4	Annapolis Station Washington	Subm report of ice melting at station.	W.
474260	2/2 2/5	Everyday Engrg Magazine Communications	Request photos of Annapolis Station. fwd Naval Intelligence 2/24 R B 3/4 To Everyday Engr ~~Co~~Magazine 3/8	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
474367	2/5	Annapolis	Subm report of power failure 2/4	W.
474839	1/15 ?	Wireless Press, Limited Annapolis	Fwds form for certain information in conn with Annapolis Sta. fwd Intell via DNC 2/11	W.
475105	2/9	Washington	Fwds floor plan of power house at Annapolis. W To Cdt Wash 2/25	
475145	2/11	To Dr. L. Cohen	Grants permission to inspect equipment Annapolis. copy Officer in charge Annp. W	
476304	2/15	Annapolis Copy	Subm report of trouble at station which may prevent commissioning by 2/20.	W.
476457	2/16	Y&D	Fwds specifications covering radio bldg at Alpena, Mich. and water tanks and towers at Annapolis Sta.	W.

4—3381

[OVER.]

FRANCE ANNAPOLIS 1920 1920

Number.	Date.	From or To—	Subject.
469280	?	P. T. Maxey	Request data be furn for series of articles to be published in conn with fuel oil burning electrically driven battle-ships and wireless towers, at Annapolis. WD To T . T. Maxen 1/28
469455	1-17	To Annapolis Radio Sta.	Measurement of tower current. copy to Wash. yard. W Annapolis-no hot wire ammeters at sta-1;27 Annapolis- Report on tower current failures.4/7 W To Bur Stds- fwds copy of letter 4-10
469456	1-17	To Annapolis Sta	Granting permission to Messrs J/E/ Smith and C.E. Cavanaugh to visit station. copy to J.E. Smith. W
470994	1;17	Bar Harbor	Submits report on reception ofAnnapolis high speed transmitting test at.WBar Harbor.W Fwd Annapolis via Wash. 1-24 RB 2/4
470838	1-22	To Key West	Reqt for report on the strength of signal received from the Annapolis Station. W Key West-1;27
471677	1;2 1;23 Y&D 2/5 fwd Y&D 2/7 Y&D- Copy of letter to GE Co.2/6 To Annapolis via Cdt Wash 2/10 Mare Island 2/17 To GE Co 2/27 To Annp via Cdt Wash 2/27	Annapolis Station Washn	Submits report of oil leaks in transformers-GE Co should repair.W M IS-T-reqt auth to approve work in advance of estimate-1;27 To Y&D 1/26 To MI (T) 1/26 fwdY&DA 1/27 RB 2/26 Y&D-1;29 To MI (T) 1/29

N.S.E. Form 134.

920-1:FRANCE: ANNAPOLIS:

Number.	Date.	From or To—	Subject.	
472237	1;17	pAnnapolis	Submits report on high speedkey test.W	
470464	1/26	To Supt Naval Academy Annapolis	Arrangements for removing ice from antenna. W copy Cdt Wash and Officer in Charge	
472079	1/28	To S&A RB 3/25	Reqst shipmt from Annapolis to Washington 225 hydrogen cyls one Burdett manfld w connec DA To S&A Reqst shipmt from Wash to Annapolis avia matrl 1/28 To Annapolis 1/29 Annapolis 3/5	
472757	1/29	Fwd Asst Secty	Recommends adjustment be made- damage to automobile with Annp truck W	
472784	1/29	To S&A	Reqst shipment from Fleet Base to Annapolis 25 boiler tubes, Wh RB 3/5	
473383	1;30	GE Co	Submits information re causes for difficulty with main line conductors mounted back of switchboard.W	
52		To GE 2/16 To Innpr GE- reqst obtain contactor at required rating 4-20 Inspr GE- Recommends arrangement of contactors two in series, be adopted. 5/21 W Inspr GE- Fwds contractors prints 6/17 W	fwd Cdt Washington 2/4 RB 2/11 To GE Co 3/19 G.E.Co.- Subm estimates. 4/15 W.	

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[OVER.]

FRANCE ANNAPOLIS 1920

Number.	Date.	From or To—	Subject.	
467814	12/30 1/7	Annapolis Washington	Experimental graphite electrodes, have been recd from Federal Tele. Co.	W.
467815	12/29 1/7	Annapolis Washington	Request instrns covering shipt of anode tips and carbons. To Annapolis Sta- Shipment of anodes and carbons to be made to M Is. copy to Supt. Academy and Wash. 1-10	W.
467816	1/2 1/7	Annapolis Washington	Report covering receipt of 45 relay keys.	W.
467958	1/5	Institute of Radio Engrs.	Request information as to average antenna during certain periods, Aug. 6 and 7th, 1919. To Annapolis Sta- Reqts information. copy to Wash yd. 1-9 To Annapolis Station. 1-21 Annapolis Sta-1:22 To Commun 1/27 Washington- Report on average antenna currents. 2/4	W
468342	1/5 1/10	Annapolis Washington	Report on power failure, 1/4.	W.
466840	1/6	To Annapolis Sta.	Visit of representatives of G.E.Co. to.	W. 920

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
462514	FROM CARD 39		Washington 1/9 To Annapolis- Advise between what periods power failure occured. copy to Comdt Wash and Supt of Nav.Acad. 1-12 Annapolis Station 1/14 Washington 3/20	
468344	1/3 1/10	Annapolis Washington	Report on receipt of loading coil connectors and relay keys. To-Directs appvd bill covering loading coil. 1-13	W.
468394	12/30 1/9	Washington Nav. Academy	Inspection report for quarter ending 12/31/19. To Y&D. 1-12 copy to D.N.C-WASH)-Off. in Charge Annapolis To Wash yard. 1-12 copy to Supt. and Off in cha of radio station Annapolis. 1-22 To Y&D.1-12 copies to above. Y&D 1/4	W.

4—3381

[OVER.]

FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.	
465915	12/19 12/27	Annapolis Sta. Washington	Subm report of power failure on 12/18 due to melting of ice off antenna, 12/19.	W.
			To- Calls attention to necessity for maintaining satis power service. copy to Annapolis- Wash- Radio, Sta Annapolis. 12-30 To WB&A Co. reqst action. 8/20 copy to Washn Annapolis 8/20/20	
465914	12/22 12/27	Annapolis Sta. Washington	Subm report of melting of ice off of antennas.	W.
461320	FROM CARD 39.		New York- Recommends 4 or 6 wire leaded and armored cable on temperature indicating device at Sayville instead of a 3 wire. X 920-8.	
467812	12/30 1/7	Annapolis Washington	Burning out of current transformer- report covering. To Comdt Wash- 1-10	W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
466009	12/29	Annapolis	Request information as to purpose for which relay keys were recd at station. W. To - Reqts fwd relay keys and box of spare coils to Wash for inspection and test, which where received from Lowenstein Co. copy to Supt Annapolis and Wash Yare. 1-2	
466045	12/29	Wireless Press	Fwds proofs of article describing Annapolis Station which will appear in next issue of "Wireless Age". Returns photos furnished. W. Fwd D.N.I. 1-5 Dept- Authorizes 1/8 To-Reqts copy of magazine containing article. 1-20	
466073	12/30	Washington	Recommends two ton Ford truck now at Research Labr., Bur. Standards, be transferred to Annapolis Station. W Fwd Y&D. 1-3 copy to Annapolis station-and Wash yard. RB 1/7 Fwd Wash Yd. 1-8 RB 1/19	
466934	1/3	Annapolis	Copy of letter to Washington requesting manufacture mica washers. W.	
467172	12/29 12/31	Annapolis Washington	Request information as to disposition of 100 hpDC motor. W. To Annapolis Station-Reqts shipment of unit to M Is. copy to Supt Academy and M Is.	

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[OVER.]

FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.
457515	11/18	To S&A	Reqst shipmt from Washington to Annapolis 25 radio arc carbons and 6 radio arc anode tips. W R B 11-26
458384	11/19	To S&A	Reqst shipmt from Washington to Annapolis radio apparatus. W RB 12/16
458578	11/19	To Annapolis via Cdt Washington	In conn with letr 455368 920-1 of 11/4/19 to Cdt Wash, alterations in sw wiring and other work will be required Annapolis. W cc to Officer in Charge Annp.
461003	11/26	Fed. Tele. Co.	Fwds preliminary proposition for operation of single wave signalling system for Annapolis Station. W.
		Fwd Wash. 1-14 RB 2/13	
		Fwd Wash. 1-14 RB 5/22 W	Fed. Tele. Co.- Fwds proposed method of single wave signalling system W 12/8
461320	12/3	Washington	Investigation of methods for measuring temperature at top of Annapolis radio towers; report covering. W.
		Sayville- Asks size of conductors required. 12/16	
		To I.M. Ny- 12-22copy to D.N.C.- Radio station Sayville. 12-22	To I M N.Y. 12/9 copy Wash and Sayville fwd Annapolis 12/9
		TO CADD 40 To I.M. Ny. 12-31	To Cdt Washington 12/10
461832	12/8	To IM Norfolk	Authorizes $1200. installn of signalling system at Annapolis, designed and mfg by Yd Norf. W copy Annapolis
			To Annapolis via Wash- rel above 12/8

Number.	Date.	From or To—	Subject.	
462514	12/8	Annapolis	Calls attn to i ce forming on antenna.	W.
TO CARD 41	W.B.&A.- 12/20.	Report on power failure.	Fwd Condt Washington. copy to Officer In charge Annapolis. 12-13 RB 12/18	on
To- W.B.&.A. 12-23 Condt Wash and Supt Academy. 12-23 RB 1/6		Fwd Annapolsi Statim via Annapolis Sta Wash	To W B & A Co- Reqts give information re valtage failures and fluctuations. 12-19	
463131	12/9 12/12		Submits report of urgent need of boiler tubes and services of boiler maker - 12/9	
462468	12-11	To S&A	Reqt shipment duplex lead covered cable from Ny to Annapolis. W RB 1/17	
463950	12/12	Inspr Fed	Fwds copy of report of material shipt covering electrobes and other material to Annapolis. W.	
464728	12-24	To Annapolis	Status of mfg of material, Fed. Tel Co for Sayville. copy to Wash and Radio Sta. Annap. W	920
465916	12/20 12/27	Annapolis Sta. Washington	Subm report of breaking down of insulating bushings fue to melting of ice. W.	

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N.S.E. Form 134.

1919

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FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.	
451097	10;2 10;11	Annapolis Station Washington	Reqst eight spare silver contacts be furn. To Cdt Washington- req furnish contacts cost of 5.86 reqst small repair items be made directly by D R M O 10/15 cc to Amp	W
451309	10;8 10;13	New Brunswick Com	Quarterly inspection report, week ending 4th.	W
451599	10;14	Com Emp Radio	Reqst auth to employ civilian laborers as firemen at Annapolis and Bar Harbor Sta. To Sec Navy- Fwd - 10;22	R
451969	10;11	Naval Academy (B C Cullen)	Acklgs receipt of receiving set.	W
48112	10/20	To Annapolis	Reqst intalln of motor generators be made immediately upon receipt of, fwds printw showing wiring for high speed key system	WS 629

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[OVER.]

920-1

FRANCE ANNAPOLIS

Number.	Date.	From or To—	Subject.
455045	10/28	To Annpolis	Reqst mail to Bureau Bunnel polar type relay used for expr work. cc to Wash and Officer in Charge. W
455047	10/28	To Annpolis	Advises Reqn 108 to GE Co for 6 110,000 volt insulators for del to Station for use as spares. cc to Wash and Off in Charge
455368	11/4	To Washington	Reqst Yd undertake mfg of wooden platform and fwd to Annapolis. Also supply labor necessary W ~~To Annp (T) carpenter auth for ten days 11/19~~ ~~To Annapolis (T) 12/2~~
457188	11/13	To Y&D	Installn of addtl water line at Annapolis. Reqst expedite . W RB 12/15 cc to Cdt Wash and Officer Charge Annapolis Fwd Y&D- copy to Wash-Annapolis-Naval radio Station Annapolis. 12-17
457900	11/13	Annapolis 635-3	Copy of letter to Communications in conn with inability of Report Bd. Naval Academy to obtain civilian firemen: request Bur take necessary action. WK.

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FRANCE: ANNAPOLIS.

Number.	Date.	From or To—	Subject.
447227	9;23	Annapolis	States cost of repairs GMC 3 1/2 ton truck excessive, reqst Bu furn station with new truck. W To Y&D- req provide truck for Annapolis 10/1 cc to Cdt Washington Y&D-Can furnish allotment of $1,500 10;11 To Annapolis- approves repairs req subm recm for same 10/15 cc to Y&D and Cdt Wash
447398	9;23	Annapolis	Sug concerning work done on bungalow. W
447396	9;23	Annapolis	States original shipmt of carbons by Fed Co were received in broken condition, reqst another shipmt be made. W To Inspr Fed- req supply addtl set of carbons for test Annapolis 9/25 cc to Wash Cdt Inspr Fed. Have requested contractor to Supply addtl set of electrobes. RB 10;8 To Annapolis-Fwd. 10;31 To S&A-Reqst termination of cont be made as soon as material is inspctd. 11;1
447518	9;23	Annapolis	Recs adequate drainage in vicinity of garage. W Fwd Annapolis via Cdt Washington 10/1 RB 10;15 Fwd Y&D 10/17 cc to Annp Cdt Wash Received back 10;22
449655	10/9	To Annapolis	Calls attention to care to be taken of antenna system station Annapolis, during sleet storms. W

Number.	Date.	From or To—	Subject.	
447516	9;24	Naval Academy	States spare Cathode Sheath leaking, reqst arrangements be made with Fed Co to remedy defects. W fwd Washington 9/29 To Annapolis- req fwd to Test shop Wash 10/7 cc to Cdt Wash	
447699	9;25	Naval Academy	Report on the breaking down of the main concrete roadway on radio station reservation. W fwd Wash 10/2 RB 10;11 fwd Y&D 10/16	
447320 see card 44				
447108	9/25	To Polish Natl Comm.,	Fwds description of station Annapolis reqstd upon visit to Bureau. W	
448553	9;29 9;30	Annapolis Sta- Naval Academy	Asks if Bu will order feeds for arcs. W fwd Cdt Washington 10/3 RB 10;9	
450159	10;1 10;9 Fwd Supt Annapolis. 1-6 RB 1/13 To Wash- Fwd copy of End. 1-7	Annapolis Washington	In con with work done on bungalow. W To Annapolis via Cdt 11/22 cc to Officer in Charge Nav.Academy- Request two knock down binoculars be furnished. 12/17 Fwd Ordnance via Y&D- copy to Annapolis- Wash yd- Radio Sta, annapolis. 12-22 RB 1/5	

FRANCE: ANNAPOLIS.

Number.	Date.	From or To—	Subject.	
440691	8;19	Cost Inspr Pool Engr Co	Copy of letter to Annpolis, reqst fwd material orders to Bu for approval.	W
441633	8;20	Inspr Fed	Fwds report of material shipped cov lamps to Annpolis. W	
442362	8;26	Inspr Fed	Asks if material ordered rec and approved. fwd S&A 9/10 R B 9-16 To Inspr Fed- matrl orders were approved and fwd to Cost Insr 8/13- 9/18	W
422777	9/5	To Comdt Phila	Shipment order being issued covering shipt of arc set removed from Tuckerton Radio Sta Ph to Annapolis W To Annapolis- asks when equipment recd 9/5 To S&A req ship from Phila to Annapolis equipment 9/5 RB 10;23 To Phila (T) 10/3 Phila-Tel- 60 kw arc set removed from Tuckerton shipped to Annpolis. 10;6 Phila-Arc set shipped to Annpolis 9;27 Naval Academy- 10/27	

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N.S.E. Form 134.

FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.	
443993	9/4	Annapolis	Fwds anode tips cut in half as rqst by Expert Radio Aide Pratt. W	898
445242	9/15	To Annapolis	Advises Mr. C.L.Farrand of Liberty Elec Corpn authorized to witness equipment while in operations W cc to Washn Cdt To Annapolis- confirms verbal phone conv of 9/16 re above 9/18	
445970	9-12 9-16	Marine Corps Annapolis	Rqst auth to tap Govt Electric light line to high power radio sta to supply lights to barracks. fwd Annapolis 9/20 RB 10;11 To Annapolis-Gives lines to follow regarding high power radio station to sup lights to barracks' 10;14	W
446213	9-18	Federal Telegraph Co.	Payrolls covg labor at Annapolis Radio Sta between dates of 3/15 and 5/11- Fwds for approval. fwd Fed via S&A 9/23	W
446370	9-15 9-18	Wash. Yd Naval Academy.	Quarterly inspection Radio Sta Annapolis. To Wash Yd- action taken 9/26	W

Nav.Academy- Request authority to take power for proposed sub-sta from high tension transmission line.2/10
To Nav Acad 2/27

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[OVER.]

FRANCE: ANNAPOLIS.

Number.	Date.	From or To—	Subject.	
438087	8;2 8;5	Cost Inspr Pool Engr Co Annapolis	Fwds material orders. W	
438703	8;8	Fed Tel Co	Calls attention to cooling water which may cause damage to arc converters.	
438911	8;8	Sol	Fwds copy of contract 1076 B with W B & A for elec current for Annapolis Station. W Dept. Ask if changes requested are nec. /25 W. Fwd Solicitor. copy to Comdt Wash. 5-29	
439347	8;1 8;8	MI 12th Dist	Fort Barry Compass Station, fwds prints of proposed location. W.	

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N.S.E. Form 134.

FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.	
438689	8/13	To Y&D	Allots sum of $5500.00 for installing permanent steel settling tanks at Annap Y&D 10/29	W
439100	8;7	Inspr Fed	Fwds report of materiad shipped coy 350 kw arc radio transmitters to Annapolis. W	920
439572	8;12	Com	Water system for arc gen, fwds, diagram.	W
440271	8;15	Y&D	Contract coy painting of towers due for completion within thirty days from date of bid. W	

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[OVER.]

FRANCE: A NNAPOLIS

1919

Number.	Date.	From or To—	Subject.	
435142	7/28	To Annapolis	After conference with rep of Fed Co deems advisable to make alterations to water system. req info be furnished, cc to Comdt Wash W	
435144	7/28	To Annap	Desires make arrangements with Station for experiment with Helium gas upon arrival of shipmt. W cross to 736-12 cc to Wash Annapolis - Helium gas now at radio station grounds. 8;12	
435568	7/22	Eveready Engr Magazine	Req permission to publish article on Internatl Radio Co editorial and Western Elec Co tel sets on which one can transmit and rec with one antenna cross to Laf	919
436341	7;28 7;29	Annpolis Naval Academy	Mechanic employed by Fed Co was at Sta 7;21 and 22nd, performed no work because no orders were issued by Company. W	
436461	7;29 7;30	Annapolis Naval Academy	Reqst auth to have four extra laborers for grading grounds. W To Annapolis- auth granted cc to Wash 8/7	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
436724	7;27 8;1	Cost Inspr Pool Engr Co Annapolis	Fwds material order. AW fwd S&A 8/11	
437038	7;30 8;1	Y&D Dept	Contract cov painting of four towers at Annapolis due for completion before 17th.	W
437627	7;29 8;5	New Brunswick Com	Report on quality of sigs week ending 26th.	W
438088	8;7	Annapolis	Sub summary of material used on instal at Annapolis on cont 33244 W fwd 12th Dist via S&A 8/11	

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[OVER.]

FRANCE: ANNAPOLIS.

Number.	Date.	From or To—	Subject.	
432031	7;10 7;11	Annapolis Naval Academy	8 bbls of paint arrived for painting towers, no information as to when work will commence.	W
432508	7;12 7;14	Exp Naval Academy	Sub report cov sagging of ceiling in power house. fwd Y&D 7/18 RB-9;11 Fwd Y&D 9/16	
433141	7;14 7;15	Exp Statopm Naval Academy	Fwds nipple taken from drain loop of steam heating system showing deterioration.	W
433561	7;16 7;17	Annapolis Joint Naval Academy	Reqst insulator be furn at once. W To Fed Co- req info re insulators for use Annap 7/23 Fed-8;20	

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FRANCE; ANNAPOLIS:

Number.	Date.	From or To—	Subject.	
433672	7;14 7;17	Naval Academy Y&D	Work on painting of towers will begin 21st.	W
433796	7;18	Annapolis Station	Copy of letter to WB & Rwy Co- directing them trim trees interfering with power lines.	W
433720	7/19	To S&A	Reqst shipt from Washington to Annapolis one audion control box, W RB 7;22	
434591	7;23	Annapolis	Tel-Contractor and 30 painters started work 23rd. W	
435048	7;22 7;23	Inspr Pool Engr Co Annapolis	Fwds material order. W	

N.S.E. Form 134.

1919

FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.
427669	6/24	To Officer in Charge Annap Via Supt	Reqst four copies of instrucns pertaining to oper of arc radio trans as compiled by Lt Laird W Naval Academy - Fwds copy of instruc cov operation of arc radio transm. 6;28
428193	6;23	Bar Harbor	Annapolis high speed test of 22nd, fwds sample of tape.
428195	6;23 6;24	Annapolis Naval Academy	Reqst 6 audion bulbs be furnished. To Annapolis Bu has reqst Wash to ship panel w six tubes 7/3 cc to Comdt Washn To S&A req shipt from Wash to Annapolis bulb recdptaclê and vac tubes 7/14 RB 8;25 To S&A canc SO of 7/14 7/19 RB 8;25
429500	6;30	Naval Academy	Asks if Bureau will approve housing and feeding of cont men on station ground while towers are being painted. W To Annapolis- Rep of Y&D will info contractors wishes in conn w housing and feeding of emp 7/3
429893	6;28 7;1	Sayville Com 920-8	Weekly progress report.

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[OVER.]

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Number.	Date.	From or To—	Subject.	
431259	7;8	Naval Academy	Reqs WBA complete instal of transformer House. To WB& A RR Co- Req Co complete wiring on switch board in Transformer House, rel to painting radio towers at Annapolis. 7/12 WBA RR Co-Fwds order cov work. 7;14 fwd Y&D 7/22 To WB&A- referred to Y&D 7/22 Ship Ord of 5;9 RB 7;26 To Y&D- does not desire addtl wokr 7/29 RB 8;18	
431261	7;8	Naval Academy	Sub report of sand and water supply at station. fwd Y&D, 7/14	W
431522	7;7 7;8	Annapolis Naval Academy	Reqst expedite delivery of arc tips.	W
431586	7;10	Y&D	Contractor will start work 7;10 of painting four 600 ft towers. To Fed Co- painting commence few days 7/14 Annapolis-Copy-Work on painting towers will start 21st. 7/20 Annapolis 7;9	W
431594	7;10	Y&D	Fwds spec cov painting of four 600 ft towers.	W

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FRANCE: ANNAPOLIS:

Number.	Date.	From or To—	Subject.	
425146	6;11	Bar Harbor 920-2	Fwds sample of high speed key test with report cov.	W
425944	6;13 6;16	Naval Academy Com	Sub report of inspec of Annapolis Sta.	
425580	6;12	Pool Engr Co	Fwds copy of material orders.	W
425382	6;12 6;12	Annapolis Naval Academy	Sub report on high speed key test.	W
424941	6-16	To Y&D auto	Reqst 3 ton dump truck be assigned for use Annapolis stations for assistance in effecting grading work W RB 6;21 To Annapolis req should be sub covering cost of hiring truck 6/24	

920-1

FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.	
425482	6-17	To S&A	Req ship from New Brunswick to Annapolis 4 radio frequency ammeters. W RB 6;25	
426664	6;18	Norf	High speed relay key for Annapolis Station, fwds prints.	D
427777	6;20 6;20	Annapolis Station Naval Academy	Inadequate sererage for drainage, sub rep with prints cov. fwd Y&D 7/10 RN 10;4 To Annapolis- via Cdt Wash- recs steps be taken to carry out instruc re above 10/7 RB 10;15 To Y&D- allotment of $1500.00 made 10/9 cc to Wash fwd Annp 10/177	W
427764	6;20 6;13	Nav Naval Academy	Sub report on condition at high power sta with recs as to sending men listed to sea. fwd Communications 6/28	
427746	6;14	European Force	Copy 2332 Tel-Orders for inspectors listed have no endorsements as to date of report at Bu, reqst instruc.	W

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1918

FRANCE: ANNAPOLIS

Number.	Date.	From or To—	Subject.	
421557	5-29	To S&A	Reqs ship from Phila to Annapolis, testing set for measuring resistances. W RB 6;2	
422422	5;28 5;29	Annapolis Naval Academy	Reqst copy contract 3445 with Fed Co cov instal of duplicate arc set. ~~To Annapolis- fwds copy of contract 6-5~~	W
421567	5-29	To S&A	Req ship from Norf to Annapolis loud speaking telephone W RB-6;16	
423113	6;2 6;3 Fed Co 8/15 Fed Tel Co-Fwds drawings. 8;16 To Fed Co- acknow rec of draw 9/4 To Annap- fwd drawings 9/4 cc to Cdt Wash Annapolis-States Litz cable not yet rec. 9;23	Annapolis Naval Academy	Incomplete and defective parts of app under Fed Tel Con cont 33244 and 34445, sub report cov. To Fed Co- gives details need attention of Company 6-7 Fed Tel Co-Detail comments with sketch. 8;6 To Annapolis via Cdt Wash- comments on letr by	W
423112	6;2 6;3	Annapolis Naval Academy	Hand and high speed transm key, report cov. To Annapolis- held in abeyance 6-7	W
420702	5/23 5/28	Cost Inspr Fed Fwd Annapolis	Fwds for approval. W Fwds for signature approval matrl orders Fed Co, reqst return correspondence via Cost Inspr Balto. W R.B. 6/3	920

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	
422926	6;3	WB&A RY CO	Asks if will renew agreement cov furnishing Elec power to Annapolis Station. Fwded S&A 6-6	
422777 see card 36				
423446	6;4	Annapolis	Report of inspec of painting of towers by Sherwin Williams Co.	W
423498 ;	6-7	To Annapolis	Fwds instruc book for use station Fed Tel Co. W	
424489	6;6 6;10	Annapolis Station Naval Academy	Asks who will retube boilers at station. To Annapolis- info reqst 6-13 RB 8;30	W
424739	6;10 6;11	Annpolis NAVAL Academy	Reqst authority to hire five laborers to be employed to work around the grounds also employment of dump truck. To- approval of 6-16	W

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[OVER.]

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N.S.E. Form 134.

1919

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FRANCE:

Number.	Date.	From or To—	Subject.	
413480	4;22	Annapolis	Strength measurment test, submits report with chart.	W
414164	4;24	Annapolis	Recs four 600 ft tower at station be painted by contract. Fwd Dept 5/2 R B 5/15 To Y&D- reqst bids be opened for wok at Annapolis station 5-25 RB 6;26 fwd Y&D 6/28	W
414567	4;26	Annapolis	Reports receipt of wave length indicators	W
415943	5;2	Annapolis Station	Submits report of special key test held 5;1	W
415859	4;26 5;3	Sayville Com	Weekly progress report.	W

1010

Number.	Date.	From or To—	Subject.	
417503	5;9	Annapolis	Reqst disposition of condemned structural iron work on hand. Fwded Y&D 5-19 RB 5;22 fwd S&A 5-23 T o A nnapolis- S&A req ship condemned iron work to yd 5-23 S&A-Copy of shipmt order conv angle irons etc. from Annapolis to Norf.	W W
417832	5;12	Inspr Pool	Fwds material order for Fed Tel Co. Fwd Inspr Pool Engr Co. 5;16 RB 5;23	W
418891	5;15	Annapolis	Reqst wheatstone bridge for use of exp work.	W
419504	5;19	Cost Inspr Pool Engr Co	Fwds material order.	W
419667	5;22	Inspr Fed Tel	Have reqst MI to express tips. Fed-Reqst Co be instructed to replace material. 5;22	W
420702	5-23	Cost Inspr Pool	Fwds matrl orders of Federal Tel Co - A-W	
420819	5-23	Annapolis	Rqst fire fighting app listed be furn- To S&A- fwds requ recs bids be obtained from firms 6-9 To Annapolis- authot sub reqn covering purchase of chemical wagon equipment 5-28 Naval Academy-Fwds req for fire fitting app. 6;5	W

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FRANCE:

Number.	Date.	From or To—	Subject.	
408143	3;31 4;2	Copy Inspr Fed Fuel Engr Co Annapolis	Revision of installation and other cost contracts 33244 and 34445 with Fed Tel Co, req instruc cov.	W
408361	4;4	Annapolis	Req BU have Fed Tel Co complete uncompleted work on contract at station.	W
408338	4;3 4;4	Annapolis Com	Regarding volt meters and ammeters, fwds fwds charts taken from operation at Sta.	W
409472	4;7	Annapolis Station	Submits report of total calls run on each new anod type developed at Station.	W
409564	4;4	Cost Inspr	Req disposition of 24 additional hand speed keys for Annapolis, asks if approved 66 speed keys.	W

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[OVER.]

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FRANCE

Number.	Date.	From or To—	Subject.	
408626	4-8	To Annapolis	Fwds prints W	
409033	4-10	To Secty Navy	Reqst authority have key of Hallborg design constructed at Norfolk, expense $2700. W	
405584	4-11	To Inspr Fed Co.	Fwds coy of letter (408577-920-8) to Fed Co. for info re 24 keys. W	
410556	4;12	Fed Tel Co	Req permission to conduct test at Annapolis high powr radio station on 15th. W Annapolis 4/15 - Fwds report on test of single wave system proposed by Mr Miller of the Federal Co- (cross to Federal Co)	
412350	4;17	Annapolis	Report of power failure from WBA on 16th. W	

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FRANCE:

1919

Number.	Date.	From or To—	Subject.	
405542	3-26	To Annapolis, via Supt., Naval Academy 6/12 Fwds photos. W	Reqst prints of photos listed,- Annapolis-Fwds photoes. 4;7 To Annapolis- info req when phots will be recd 5-13 RB 5;19 fwd Annapolis 5-24 RB 6;6 To Annapolis- reqst prints 5-28	
405886	3/25	Bar Harbor	Fwds sample of tape on high speed test of Annapolis and non compensa ing eave test W	920-2
406622	3;29	Annapolis Tel	Reports on effect of gale upon radio tower. W	
406259	3-29 cable 4-21 Norf 5/22 RB from S&A 9;26	To Norf	Reqst info re estimated cost for two compl units embodying all latest improvements re arc relay key, tested at Annapolis- Norfolk-Gives cost of arc relay key. W 4;1 To Norf- sum of 2700 alloted 4-22. To S&A req shipment from Sayville to Norf	
405745	3-28	To Annapolis	Advises Bu is purchasing one gravity pole changer from J. H. Bunnell & Co to be used expr work at, asks acknow receipt W	
407024	3;27	Annapolis	Report on ice melting, also light arresters. W Annapolis - Report on ice melting on antenna on 3;26 3;21	

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[OVER.]

920-1

FRANCE

Number.	Date.	From or To—	Subject.	
406261	4-1	To Annapolis	Advises station will be furnished with anode tips to conform with drawing, for high power arcs, asks comments on performance of material-	
407720	None	Annapolis Station	Sub report of failure of 31st.	W
407764	4;2	Annapolis	Fwds quarter ending 31st with report.	W
407489	4;1	Annapolis Tel	Req Fed Co ship 6 spare alcohol drip glasses for arc.	W

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FRANCE:

Number.	Date.	From or To—	Subject.	
402645	3;13	Annapolis Sta	Sub report of searchlights with recs using arc carbons.	
		To Annap- method satis 5-12 to	Fed Teleg Co report of success in re 3-20	
			To Fed Teleg Co fwds letter 3-20	
			Fed Tel Co 5;2	
			To Annapolis- ~~reqst test ge made of electrode~~ sub rpt upon compl 5-6	
			Annapolis 5;7	
403143	3;15	Annapolis	Sub status report cov instal of high speed Key System.	
403142	3;15	Annapolis	Sub report of arc gen transm to gen oscillation.	
401856	3/5	CO TEXAS	Req auth to use matrl left iver at Annapolis on contract 39469	918
403986	e;16	Bar Harbor	High speed phot recorder from Annapolis test, fwd roll of tape cov.	W
404335	3;19	Exp Station Test 1195	Main report on test of platnoid metal for elec key contacts sub by Annapolis Station.	W

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[OVER.]

920-1

FRANCE:

Number.	Date.	From or To—	Subject.	
403969	3-21	To Fed Telg Co	Asks expedite repair to station Annapolis, now shut down acct adjustment of key system- Fed Tel Co 4;14	
403434	3-21	To Navgn via Buse	Orders for man to go to Yard Phila to receive stations truck, to F. L. Bartley Elec 1st class, fwd Nav 3-21	
403435	3-22	To Naval Observatory	Bu is issuing instrucns to have chronograph loaned by for use Annapolis returned-	
404447	3-22	To S&A	Req shipment from Annapolis to Washn one chronograph complete with parts,-	
405267	3;15	CO SCARPEON	Fwds report of Gunner M Kenny on exp on trip from Plymouth to Constantinoble on brd yacht NOMA.	W
403973	3/24	To Fed Tel Co	Call atten to, unsat resulsts of key system at Annapolis and calls atten to system at Lafayette And Cayey PR Sta have requ S&A make no payment	920

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FRANCE:

Number.	Date.	From or To—	Subject.
398599	2;26	Annapolis	Sub recs rel to maintaining of antenna towers etc, high power station. fwd Secty 3-5 R B 3;8 To Annapolis- re employment of rigger at stations 3-11
398796	3-3	To Annapolis	Directs when necessary to shut down station to take repairs, notice be given Communications off 24 hrs in adv nce
398799	3-3	To Annapolis	Re chemcial analyis of relay key contacts reqst for made encl letter-
398800	3-3	To S&A	Reqst shipment from Tuckerton to Annapolis 50 type X porcelain strain insulators W
399713	3-3	Annapolis	Contracts 33244 and 34445- Recommends be consolidated to 15% profit instead of 10 and 20%- W fwd S&A 3-28
400348	3;5	Annapolis Sta	Sub infor safety precaution taken for operation of.

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[OVER.]

Number.	Date.	From or To—	Subject.	
401330	3;8	Annapolis	Fwds sample of anode type,req Bu arrange for mfg of.	W
401331	3;8	Annapolis	Give amount of power bill for Jan and Feb.	
399591	3-10	To Annapolis	Fwds letter 9-1 re wages paid on Federal Tel Co contracts 33244 and 3445- asks info To S&A 3-14 Fwd Solicitor 3-18 RB 5;26 Fwd S&A 5-29	
401853	3;11	Annapolis	Copy of let to Cost Inspr Poole Engr Co in con with expense acct of Marx Deal & Miller	W
402270	3;12	Annap	Sub report of test held 9th. To Director Naval Com- 3;17 Antenna input Annapolis	W
402513	3;15	To Of In Chr Annapolis,	Tranf of material to Sayville, LI	
405215	3/24	Annapolis	Fwds Tungston key contact will not meet req on high frequency prints W	898

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1919

FRANCE:

Number.	Date.	From or To—	Subject.	
396535	2;20	Y&D	Fwds list of material orig intended to be turned over to cont bu turned over to Of in Chr, req allotment of $4,500 to cov.	W
395031	2/14	Annapolis Station	Adaptability meter fwd to Phila for ship to Laf Station should not be involved to Annapolis Fwd commdt Wash 2/17	920
397098	2;21	Annapolis Station	Sub data in con with inferoperation of station.	W
397594	2;19	Inspr Fed	Fwds report of material shipped cov misc material. To S&A- Reqst notify contract of change in contract - 3-5	
397751	2;25	Y&D	Req allotment $4,500 cov work under Bu at station. To Y&D- approp $4500 3-1	W
397798	2;24	Annapolis	Finds sample that will be used on arc relay keys at Sta., recs similar on fleet, station ready 3;15 for high speed sending. Cross to 898. To Bu Standards- fwds metal bearing trade name of PLATINOID- reqst analysis 2-26 Bur Stand 3/4 Submits analysis-	W

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[OVER.]

1919

Number.	Date.	From or To—	Subject.	
398464	2;27	Annapolis	Sub antenna data regarding test held between 1;29 and 2;19.	
398359	2;26	Annapolis	500 motor generator set for transm, no allowance for yet.	W
398358	2;26	Annapolis	Req battery rheostat for cont bldg be furnished. T o Annapolis- reqst approved 3-3	
398360	2;27	Annapolis	WBA E R Co, received no payment of power bills, req expedite. fwd S&A 3-3	W
398642	2;24 2;26	Fed Tel Co Annap	Fed Co states no reasons why Annapolis should not transm a 45 word per minute, tel been rebuilt.	W

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FRANCE.

1919

Number.	Date.	From or To—	Subject.	
391889	2-5	To G E Co	Rqst info as whether you can supply Tungsten Contacts for breaking direct current circuits. Rqst estimate if can supply - W To GE Co- Bur ack two tungsten contacts- Will try out and inform result- 2/17 To GE Company- fwds contracts asks comments 3-1 GE-ReqBu make test of new samples of contact. 3;6	
		ToGE Co- returns contacts for examinati and comments unsatis 3-26 To GE- will commun with Co in future re exper if under aken 4-8		
388901	2-5	To Federal Telegraph Co.	Rqst install 2-10" valves in gas discharge line at Annapolis Radio Sta. - W	
393925	2-12	To Off in Chg Annapolis	Fwdg 1 print Plan RE-37-F133A, Safety outlet for arc discharge gas line- W Annapolis-Fwds sketch of gasoline as instal. 3;11	
394080	2-12	To Off in Chg Annapolis	Re care of boiler plant Annapolis Sta- W	
394708	2;13	Annapolis T	Sub report of necessity of melting ice	W
392667	2-14	To Federal Tel. Co.	2 arc converters and 2 motor generator sets delvd to Annapolis not painted- Rqst expedite this work- W	
394606	2-14	To Off in Chg Annapolis	Directs all official correspondence with Bur be carried out on regular form - W	

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[OVER.]

1919

Number.	Date.	From or To—	Subject.	
395032	2;13	Annapolis	Sub report of ice forming on antenna, and operation of melting device. To Annapolis- Bur approves rec for installing 2 recording thermometers- Directs same be procured- 2/17	W
394831	3;5	City of Monroe, N C	Req property owners be compensated for loss.	
395229	2;18 ?	Annapolis Tel	Report on antenna flashing.	W
395227	2;15	Annapolis Tel	Sub report of trouble on antenna due to breaking of gasoline insulator.	W
395816	2;17	Annapolis Station	Submits req for Ford passenger car.	
395313	2-18 Y&D 6;18	To Annapolis	Fwdg 2 tungsten contacts for testing purposes Rqst equip one of relay keps with these contacts and report results to Bur- W. Annapolis Sta-Fwds Tungston cont showing action which took place when instal. 2;21 Annapolis Station 2;26 To Annapolis- instruc issued to furnish sample of m terial 3-3 To Annapolis 3-15 Request give contract tria l No touring car available 3;20	

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FRANCE

Number.	Date.	From or To—	Subject.	
389689	1-30	To S&A	Reqts shipmt from N Brunswick to Annapolis antenna insulators	W
390565	1;30	Tutuila	Report on hearing sig from Annapolis. Sims-Copy 4906. 2;1 Sims-Copy 4964. 2;3 Sims-Copy 4844. Report of test. 1;31 Sims-Copy 4986. Report of test. 2;3 Sims-Copy 5034. Sims-Copy 5163. Sims-Copy 5246. Sims-Copy 5307 2-8 Sims-Copy 5378 Sub report. 2;10 Sims-Copy 5547. 2;12 Sims-Copy 5669 2;15 Sims-Copy 6020. 2;21	W
391131	1;30 1;31	Annapolis Station Naval Academy	Sub report of unsat operation of Ford one ton truck, recs standard 2 ton truck be furnished. Fwd Y & D 2/15 Y&D-Advise when ready for delivery. Y&D - 3;15	W 2;10
392667	2;5	Annapolis	Req bureau have Fed Co expedite paintings of arc converter and motor generator.	W
373080	2;7	Naval Academy	Copy of letter to Fed Co make charges against specil disposition for Jan.	W

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1919

Number.	Date.	From or To—	Subject.	
393661	2-11	To Off in Charge Annapolis-	Rqst furnish Bur with info listed for Oct Nov Dec and Jan- 2/11	
393917	2-11	To Federal Tel. Co.	Bur considers key system at Annapolis unsatisfactory. If proposed system does not give satisfaction will expect you to bear expense for new system- 2 W To Palo Alto- asks hold up work until further instruc from Bu 3-1	
395413				
394513	2;11	Naval Academy	Req officer in charge to furnish things adaptable for official business Fwd Y&D 3-7 To Y&D- reqst touring car if available 5-27	

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FRANCE

Number.	Date.	From or To—	Subject.	
381931	1-3	To Y&D	Asks est for building housing for 2 additional Ch Petty Officers Y&D-Submits estimate.	W
382055	1-6	To Rdaio Sta Annapolis	- Auth to make reqtn on SO Annapolis not exceeding 200 monthly for urgently needed supplies without Bu approval Annapolis- Officer in charge to be given authority ~~et~~ to purchase supplies when same are urgently needed. W 12;27	W
383321	1;6	Annapolis	Req disposition of new reels remaining at station. W To Federal Co- Asks that they dispose of 18 empty wire reels and credit contract Fed Tel Co 1;13 To Fed Tel Co-Disposition of radio reels at Annapolis. 1;17	1-11
383445	1;6	Annapolis Station	Req authority to purchase from Bristol Inst Co instruments listed, submits pamphlets. W To---- Auth above 1-14	
384142	1;7	Annapolis	Fwds report on high power station. W Com-Report of failure of Annapolis Station. 1;10	
385204	1;13	Annapolis	Copy of let to Fed Tel Co listing charges against special deposit for Dec. W	

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FRANCE:

Number.	Date.	From or To—	Subject.	
385859	1;17	To Naval Radio Sta Annap.	Returns pamphlets on ammeters and volt meters.	
387801	1;21	Annapolis Station	Submits data to determine height of antenna.	
388154	1;22	Annapolis	List material received from Fed Co, recs bureau go on with design. W	
388923	1/14 1/25	Annapolis Station Com	Sug plans for high power radio station and other arc stations detailed recs W	914
388908	1-28	To S&A	Reqts shipmt from Wash to Ann 6 variable condensers R B 2;28 Washington - 2;24	W
388904	1-29	To Nav Ob Wash-	Reqts that Chronograph be expressed to Annapolis Naval Observatory - 2;7	W
393563	2;7	Annapolis	Long wave meter never rec/, req one in store be fwd.	W

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FRANCE.

Number.	Date.	From or To—	Subject.
376638	12/12	To S&A	Recs that decision to disallow double pay for overtime work Sat afternoon and Sunday be reconsidered. W Fwd S&A 12-30
379819	12;216 12;21	Annapolis Com	Req quarters for married men be built at station. Fwd Dept 1-14 RB 2;15
380359	12;6 12;23	Annapolis Y&D	Operating bldg, fwds allotment card cov certain alterations. W Fwd Y&D 12-29
380358	12;6 12;23	Annapolis Y&D	Fwds allotment card cov installation. Fwd Y&D 12-27
381889	4;4	GE Co	States will make up two sets of contact with tungston welding copper base for additional test if req, Cross to 898 and GE Co. W

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FRANCE

Number.	Date.	From or To—	Subject.	
379435	12-23	To S&A	Reqts shipmt from Wash to Annapolis 1 30 m.h. Loading coil Ship Order 2;21	W
380981	12;26	Fed Tel Co	Quotes prices for 1 400 kw motor generator set. W	
380561	12-27	To Annapolis	Auth Mr Robt May of Elecl World photo genl arrangement of buildings and towers at Ann Station	W
380562	12-27	To 3rd Dist	Asks action re repairing induction motor ~~xfrom~~ from Annapolis	W
380583	12-27	To Federal Telegraph Co	- Does not consider accepting the key system as it stands and reqts info what being done to correct rfaults	W
381037	12-30	To S&A	Reqts shipmt from NBrunswick NJ to Annapolis 1 long range wave meter Received back 1;13 S&A - 6;17	W
381359	1-2	To Federal Telegraph Co-	Asks that trouble in key circuit adjustment as reported from abroad be adjusted Fed Tel Co 1;4	W

[OVER.]

FRANCE:

Number.	Date.	From or To—	Subject.
372639	11;30	Fed Tel Co	Sub sug cov various improvement which might be made at Annapolis Station.
374143	12;2	Fed Tel Co	Rep of Genl Elec Co will visit Annapolis Station in ref to GE meters. Inspr Fed-Fwds drawings of relay for sig system. 12/27
373773	11;22	Inspr Fed	Req infor as to relay for use in con with sig system on contract for arc generators. W Rqsts Bupg be furnished with sketch and descrptn of time relay - Inform Supv Cost Inspr this work authorized. 12/17 W.
373907	12/3	To W.B.& A.Elec.R.R.Co	Asks if power contract for Annapolis Station rec'd. W B & A-Req expedite. 12;4
373909	12/4	To S&A	Reqts. shipt. of radio apparatus from Wash. to Annapolis. RB 3;14
374345	12/6	To Annapolis	States that shipt. of wavemeter will be made.

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FRANCE:

Number.	Date.	From or To—	Subject.	
375118	12;5	Inspr Fed	Copy of let to Fed Tel Co sub report of charges against special disposition for month of Nov. W	
375163	12-9	To S&A	Reqts shipmt from N Brunswick NJ to Annapolis-60 Procelain tube insulators Received back 1;3 S&A 6;17	W
375657	12;7	Annapolis Station	Sub report of damage to antenna during gale on 12;6	
375168	12-10	To S&A	Reqts. shipt . of radio material from Wash. to Annapolis received back 1;13	
376625	12/9	Annapolis Stations.	Sub report of test of connection on antenna. 875	
376234	12-13	FwD&Y&D	A proves expenditure of $88 for remote control switch Ann station	W
377009	12-13	To Annapolis	Fwds films of photos taken of Ann Station	W
378012	12/17	To S&A	Rq st that 4 tube antenna insula or be shipt from New Bruns to Annapolis. W. Received back 1;3	
378014	12/17	To S&A	Rqst that 20 type X porcelain insulators be shipped from Tuckerton N.J. to Annapolis. received back 1;3	W

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[OVER.]

FRANCE: ANNAPOLIS. MD

Number.	Date.	From or To—	Subject.
319213	6;21	Annapolis	Submits report on progress. W
298263	6/21	To Annapolis	Reqts. renewal of contract for power for Radio Sta. W
319606	6;19	Annapolis	Fwds estimate of cost for high power station and reqt additional allotment for $132,000 W Y & D - Reqst action 7;3 Y & D - Reqst action 7;15 Y&D - Reqst action 7;22 Fwd. Y&D 8/6
319861	6;11	Inspr Fed Co	Copy of letter to G E Harscom. Fwds copy of repairs of material shipped on contract 34560 covering antenae for Annapolis. W
315245	6;21	G E Co	Fwds copy of letter of 6;15 To---- Ack. rect. of quotation dated 6/13. 6/28
318925	6/25	To Federal Tel. Co.	Radio towers at Annapolis ready for installation of antenna. W

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FRANCE ANNAPOLIS. MD

Number.	Date.	From or To—	Subject.
321267	6;24	Fed Tel Co.	Fwds prints. W
322371	6;20	S&A	Copy of tel to G E Gest & Co. notifying of the award covering installation of ground shield system. at Annapolis station.
322530	6;29	Annapolis	Fwds report of progress of work. W
322566	7;1	Naval Academy	Fwds report. W
326751	7/16	To GE Co. (T)	Confirming verbal instruct. of Lt. Monoratti re power apparatus being purchased by Fed. Tel. Co. for Annapolis. W
327015	7;15	Naval Academy	$24.48 charges against special disposition number 7 Fed Tel Co covering legal charges. W

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FRANCE

Number.	Date.	From or To—	Subject.	
368686	11-16	To Annapolis,	Re Blower house for the Annapolis Sta W Y&D-Received back 1;10 To Y&D- Makes allotment for above 1-11	
369147	11-16	Fwd Dept	Recommends bill for board allow for linemen W Received back from Dept, 12;12 Fwd S&A 12/17.	
368625	11-16	To Annapolis T	Authority granted send man Wash with wave meter W	
370070	11-20	To Y&D	Reqts that Annapolis HP radio station be furnished with material (rigging) to be left their permanently Fwd. Y&D 12/4	W
370594	11;20	Fed Tel Co	Fwds prints and sheet showing result of conductors of Annapolis antenna. W Fed Tel Co-Fwds prints. R 12;6	
371192	11;19	Annapolis	Fwds Fed Tel Co purchasing orders which have been approved by officer in charge. W	
370729	11-23	To NY	repair of induction motor for the Annapolis High Power Radio Sta, Comments W	
370730	11-23	To Annapolis	Authorizing the shipt of induction motor to NY for repairs, W	

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920-1 FRANCE

Number.	Date.	From or To—	Subject.	
371291	11-23	To Annapolis	Fwds instruction booklet of Federal Teleg	W
371529	11;20	Pool Engr & Mch Co	Copy of letter to Annapolis Station stating D A Barlow no longer con with G M Gest.	
372105	11-27	To Federal Telegraph Co.	Rqst that they give defective generator attention, W	
373260	11;29	Fed Tel Co	Sub bill for erection of complete antenna system at Annapolis. W To S&A- Fwds certified bill from Federal Tel Co for payment -antenna system for the Annapolis High Power Station W	
372781	11-29	Phone Annapolis	Comments re work at high power radio station, Dd	

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[OVER.]

FRANCE:

Number.	Date.	From or To—	Subject.
365900	11;1	MI	Submits special report
365418	11-6	Fwd Solicitor	Re contract with W B & A Elec for current at Annapolis, W
365613	11-7	To S&A	Rqst shipt radio apparatus Tuckerton to Annapolis W To--- Reqts shipmt from N Brunswick NJ to Annapolis- 15 tube type Insulators with one set Shields 11-7 received back 11;20 Ship order 11;5 received back 11;20
365618	11-7	To S&A	Rqst shipt radio wire Sayville to Annapolis W
365612	11-6	To Annapolid	Antenna wings ror Annapolis sta, Radio ; necessary antenna shipped W
366527	11-8	To Annapolis	Arrangements made with Fed Teleg Co to use 7000 ft of 6 strant #12 silicon bronze antenna wire W
366528	11-8	To Federal Telegraph	Antenna wire at annapolis Sta Contract 34445; appropriating 7000ft of wire at annapolis W To Annapolis, approves ground system at Annapolis 11-8 Annapolis Station 12;7

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FRANCE:

Number.	Date.	From or To—	Subject.	
367715	11;2	CO A S Kibblee	Copy of let to Fed Co stating charges cov rotr mod type made against ct deposit.	
367928	11/12	To Annapolis	Reqtd. that Mr. Williamson be permitted to see arc set ~~in operation~~.	
368621	11;7 11;12	Jag Com	Explosion at high power radio station Annapolis, rep of Brd of Investigation. Fwd Comm 11-22	
368889	11-13	Anapolis	Reqts fwd silver contacts as per sample for master relays Fwd Boston 11-22	
365603	11-13	Fwd Annapolis	re garage for high power radio sta comments W	
369053	11;9 11;15	New Brunswick S&A	Fwds bill of lading covering shipment of insulators. Fwd S&A 11-22	
375007	12/6	To European Forces. (T)	States that Annapolis soot pits found unnecessary and gives further instruct.	920

FRANCE:

Number.	Date.	From or To—	Subject.	
362990	10;25	Annapolis Station	Submits report of fire in coupolo and cracking of plate glass insulator. W	
362991	10;25	Annapolis Sta- To---	Submits report of power consumption. Increase in capacity will be given consideration- contract being completed- charges authorized for payment 10-30	
363009	10;25	Annapolis Sta	Fwds copy of letter Cost Inspr in con with transportation and charges supposed to have been paid by Barlow on contract with G M Gest. W	
363695	10-30	To Annapolis	Reqts that A.C.Bunker of Crocker Wheeler Co be permitted to see arc set in operation re designing motor generators suitable for radio arc transmission W	
364231	10;30	Naval Academy	Sub report of soot pit on 29th W	
365522	11-16	To Federal Teleg Co	re spare gaskets for arc chamber doors, High P Radio Sta Annapolis, Comments W Fed Tel Co 11;22 Annapolis-Req Fed company be furnished with 24" rubber gasket for arc chamber doors. 11;1	

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FRANCE:

Number.	Date.	From or To—	Subject.	
363912	10;25 10;28	Annapolis Com	Sub report and special endurance test.	W
362993	10-28	Fwd Phila via S&A 920	Radio material underconstrn for Lafayette Radio station-reqts that shipmt be made immediately	W
365868	10;28	MI	Observation on Annapolis high power transm.	
365949	10;24	Inspr Pool Engr Co	Fwds approved material order of GM Gest for material of Annapolis station. Fwd S&A 11-16	
365947	11;1	Inspr Pool Engr Co	Fwds purchase order of GM Gest Co ~~for~~ cov meals served to men at Annapolis Station. Fwd S&A 11-14	
365564	11:5 Mi-Tel - 11;21 New York 11;19 MI-Tel 11;21 Annapolis - Sub data 11;20 Annapolis 11;21 MI 11;20 Com-Report of test 11;27	MI Tel Mare Island 12;2	Submits special report. MI- 11;7 Tel- Sub special report. 11;6 Annapolis- Sub special test data. Com-Fwds copy of communication. 11;13 Annapolis-11-13 Communications 11-14 Annapolis-Daily test report. 11;8 Com - 11;18 Com 11;19	

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[OVER.]

FRANCE:

Number.	Date.	From or To—	Subject.	
356775	10;5	Annapolis	No test run on Sunday W	
356776	10;6	Annapolis	Submits report of special test.	
356774	10;7	Annapolis	Report on special test.	
358716	10-19	To Y&D	Authorizing additional allotment of elec transmissionline at Greenbury Point, W Y&D Oct. 22 - makes allotment	
356510	10;8	Annapolis	Report of test. W	

N.S.E. Form 134. 920 - 1

FRANCE:

Number.	Date.	From or To—	Subject.	
361308	10/22	Cost Inspr. Poole	Fwds material orders G. M. Gest covering solder from Jewel Equipment Co. W Fwd S&A 10-28	
362014	10;21	Annapolis Station	Copy of let to Mare Island stating remaining instruments and material fwd. W	
362093	10;23	Annapolis Station	No invoice received covering shipment	
359152	10-26	FWD S&A	Contract 39461 - Excessive auto expense charges with G.M.Gest & Co	W
361161	10/26	To M Es- (T)	Spec test will be held 10/29 as follows/ Ann from Sisteen to Sixteen fifteen GMT New Brunswick from 1615 to 1630. Rept Radio Lab obtain careful audibilities and rprt results by desp stating qualityes of tone and signals. W	8181

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[OVER.]

N.S.E. Form 134.

FRANCE

Number.	Date.	From or To—	Subject.
359041	10/15	Solicitor	Fwds print of proposed renewal agreement with W.B.& A Co/ for electric current for use at Naval Academy Radio Station fiscal year 1919 W Fwd S&A 10-24 back 10;30
359374	10-18	To (T) Annaplois	Auth for representative station to proceed Norf Yard to trace shipments granted-W
359760	10/18	No source	Radio reports on results of test at Annapolis
360408	10/19	Annapolis	Maintains all pole line transfers etc. Fwds copy of agreement with W.B.&A in connection with W To---- Recs above 10-29
360882	10/21	Cost Inspr. Poole Ins. Co.	Contract with ~~G.M.~~ Gest Co. Annapolis Station - Fwds contractors bill for board allowance to lin men employed on station received back 11;13 Fwd S&A 10-29

FRANCE

Number.	Date.	From or To—	Subject.	
357707	10-16	To Washing-Balt-&Ann Elec Ry Co-	RE variation in voltage afternoon Oct 3rd at HP Sta Annapolis- Asks what steps t taken to prevent re-occurrence W. B. & A Oct. 17	W
358799	10/9	Annapolis Station	Telegram report of tests on Oct. 9 W Pacific Coast Supt - (T) results of test	- 10/12
358703	10/15	Communications	Annapolis Wave length test - Fwds report	W
358716	10/9	Naval Accd.	Y&D Oct. 14 Electric transmitter line to Annapolis station - itemized cost of work	W
358493	10/16	New Brunswick	Has reqtd orders issued CBM Hayman and BMlc Bender to proceed to Annapolis W.	920-7

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FRANCE:

Number.	Date.	From or To—	Subject.	
354927	9;19 10;2	Inspr Poole S&A	Req specifications. Fwd Inspr Poole 10-14	
355111	10;1	Annapolis	Reports defects in Ford Truck W	
355567	9;28 9;28	Annapolis S&A	Sub list of various classes of men and rate of pay which will be used on radio work. W Fwd. SecNav 10/8	
356122	10;4	Annapolis	Naval Academy payment to American Brass Co for material delivered, asks if shall charge to annual allowance. W Fwd Annapolis 10-15	
356098	10;5	Annapolis	Req bureau take ~~with~~ up with WBA matter of variation of voltage at station. W	

N.S.E. Form 134.

FRANCE

Number.	Date.	From or To—	Subject.	
355386	10/7	To Federal Tel.Co.	Desires to maintain a spare set of Relay Keys at Annapolis Station. Asks to be advised as to what action taken in re these spares. Fed Tel Co- Will mfg 9 spare key units.	10;8
256299	10/19	Communications	In connection with Annapolis Wave test	
356341	10;4	Annapolis	Sub report of special test. W	
356799	10/10	Annapolis	Telegram Pacific Coast Supt. Oct. 12 Reports on tests Annapolis Oct. 14 Radiation report Com- Fwds test report. 10;8 PCCS-Copy of report of test. 10;24 Com - Fwds copy of despatch relating to waive test.	W
357166	10/8	Annapolis Station	Naval Academy Oct. 8 Submits suggestions in connection with new ground system for	W
357013	10-11	To Phila (T)	Shipmts instruments Ann Radio Sta BL11737 Box 607SS leaving Phila by express 9-3rd not recd same urgently needed Phila. Oct. 17 - Telegram Phila. Oct. 17 - Telegram tracer started	W
357016	10-11	To S&A	Reqts shipmt from Wash to Ann HP Sta- 1 long wave receiver Shipment Order received back 11;23	W

FRANCE: 1918 12

Number.	Date.	From or To—	Subject.
350844	9;19	Annapolis	Submits report of failure of power supply WB&A on the 15th. W
350843	9;19	Annapolis	Can dig trench to place counterpoise under ground at present with plow, in Dec will have to use pick and shovel.
352106	9;24	Annapolis	Sub report of special arc test. W Annapolis Station - 9;25
311722		See CARD 3	To Weston I.Co. Asks if can manf. meter reading up to 0.10 mf. W 9/24 West Elec Co-Fwds cat. showing capcity meters 9;27. To Phila. Fwds. copies of letters of 6/1 & 8/17. 9/27
350084	9/25	To Y&D	Asks total cost of present power line to Annapolis. W
350085	9/25	To Y&D	Asks estimate of reqd. time for erection of power plant Annapolis. W Y&D-Sub estimated cost W 10;3 TO Y&D- in re above- 10-18 Y&D Oct. 22 - Submits estimate To Y&D-req new estimate be sub 8/18

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N.S.E. Form 134.

FRANCE

Number.	Date.	From or To—	Subject.	
353766	9/30	To Mare Is. (T)	Reqts. audibility reports on Annapolis tests. W	
353953	9:28	Annapolis	Req bureau purchase 10 relay keys for compensating coil on main helix RA	
335771	10-1	To Radio Sta Annapolis	- Fwds plans of ground system proposed to install	W
351906	10-1	To Radio Sta Annapolis	Two plate glass entrance insulators will be delivered this week and several more in about a month	W
354782	10;2	Annapolis Station	Relative to drawing.	
354474	10-3	To Y&Ds	Authorizing alterations to floor to Annapolis Radio Sta, Radio Telegraph W	

FRANCE: 1918 11

Number.	Date.	From or To—	Subject.	
347918	9;12		Annapolis & Sayville wave length test	
346160	9/12	To Y&D	Re garage for Annapolis H.P.Rad.Sta. W Reqts. estimate.	
347684	9;5	Inspr Pool Eng Co	Fwds material order for Annapolis station. W Fwd. S&A 9/17	
347533	9;10	Annapolis	Sub report arc test W	
348644	9;15	PCCS	Copy to MI Lab, report test of W	
348639	9;15	PCCS Copy	Report of test of, Honolulu. W	

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N.S.E. Form 134.

FRANCE:

Number.	Date.	From or To—	Subject.	
348627	9;13	PCCS	Copy of report of test with Medical Lab. W	
349797	9;16	Annapolis	Copy of letter to MI reporting shipping condensers wire to Phila for France etc. W	
347855	9/19	To Y&D	Re water system at Annapolis H.P.Rad.Sta. W Y&D - Makes allotment. 9;24	
357859	10-21	Y&D	Relative to water system	
348398	9/19	To Y&D	Re spray cooling systemx for Annapolis H.P. radio station. W Y&D-Fwds sketch and estimate Sperry Cooling System, Annapolis Station. W 2;28 fwd Y&D 3-3	
350079	9/19	To Federal Tel.Co.	If type of coil suggested suitable for Annapolis same should be manf. & installed. WS	
350323	9;17	Annapolis	Req material for rigging antenna To----Shipt. reqt. for above made. 9/25	
350324	9;17	Annapolis	Blocks on hand, req disposition of. To---- Author. to turn snatch blocks into store/ 9/25	

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[OVER.]

Number.	Date.	From or To—	Subject.	
346126	9;6	Annapolis Station	Fwds report of waive meter to Marion	
346160	10/9	Annapolis Station	Fwds plan showing type of garage desired Y&D Oct. 18 Fwds drawing	W
346255	9;6	Annapolis	Fwds daily report. W	
346568	9;9	Pacific Coast Super	Tel: Reports on audiability test. W	
346650	9;9	Director Naval Reserve	Fwds report W	
347055	9;11	Pacific Coast Super	Reports test with Annapolis.	

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N.S.E. Form 134.

FRANCE

Number.	Date.	From or To—	Subject.	
347152	9;11	Pacific Coast Super	Copy of report on test Honolulu and Annapolis.	
347390	9;11	Sims	Reports on communication with Annapolis. W	
347421	9;6	Naval Academy	Copy of letter Fed Co gives charges for work done W	
347431	9;9	Annapolis	Report of daily arc test . W	
345686	9/10	To S&A	Reqts. shipt. of rad. material from Annapolis to Marion for Rad.Sta. received back 9;16 To Annapolis. Reqts. the contr. typs & serial # of wave meters transferred to Marion, Mass. in accors. with ref. (a) 9/13	
347894	9;12	Pacific Coast Super	Copy of report of test at Annapolis. W	

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1919

FRANCE: ANNAPOLIS. MD.

Number.	Date.	From or To—	Subject.	
344008	8;23	M I	Lists instruments and material shipped to Annapolis station for expert radio Hansson To----Gives shipping schedule of instruments & material. 9/5 MI- Schedules satisfactory. 9;17	W
344377	8;30	Dept	Labor conditions at Annapolis station, completion held up due to strike of linemen for no just reasons, same completed by enlisted men on Sat. Cross to strikes.	
344541	9;1	Annapolis	Sub detailed report of arc test	
344807	9;4	M I TEL	Sub report of test of	W
344974	9;3	Annapolis	Fwds report on arc test.	W

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France

Number.	Date.	From or To—	Subject.	
345147	9;4	Y&D	$200 allotment covering alterations.	
345268	8;5	Com	Fwds report on test at Annapolis and Sayville.	
345701	9;6	Naval, Com	Fwds report of audiability test of Sayville and Annapolis. W	
345817	9;5	Annapolis	Daily report on arc test. W	
345808	9;4	Annapolis	Daily arc test report W	
346071	9;6	Annapolis	Tabulated reports of preliminary test. W	

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[OVER.]

FRANCE: ANNAPOLIS: MD. 1918

Number.	Date.	From or To—	Subject.
339982	8;21	Annapolis	Reqst replacement of shore shaft of power house by Fed Tel Co. W
341774	8/27	To Y&D	Allots amt. for Annapolis rad.sta. W Y&D - 8;29
341575	8/27	To Mare Is. (T)	Reqt. rad. laboratory report results daily. W
341909	8;26	Annapolis	Completion of building and general status of station, submits report. W
341546	4;1	Boston	Chatham station transf to Marconi Co. 3;31
341884	8;26	Annapolis	Reqst be sup with Ford Passenger car.
341989	8;25	Annapolis	Sub report of linemen employed by West.Co of threating to quit because were not paid 30 minutes time while eating supper, men discharged, enlisted personnel completed instal. of ground system 8;26 W

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N.S.E. Form 134. 920 -- 1

FRANCE: ANNAPOLIS MD.

Number.	Date.	From or To—	Subject.	
342095	8;26	Annapolis	Req one 2 1/2 ton truck be purchased for station.	
342545	8;23	Annapolis Station	Asks if bureau desires transmission line and power sub station maintained by WB&A or whether Gov will maintain. W	
343072	8;28	Annapolis Station	Req authority to emply three laborers permanent for maintenance of station grounds. WK To---Author. granted to obtain 3 laborers for maint. of sta.grounds. 9/4	
342663	8/30	To Y&D To---Returned.- Bu allots $775.81 to Engineering for installn of aux air comp at Annapolis Sta. 12/12	States paint "Lapidolith" would be good material for floors & walls. W To Y&D. Re Air compressors at Annapolis H.P. Rad. Sta. 8/31 To Annapolis. Rectd. that experts make survey for suitable water supply. 8/31 To Y&D Aug. 31 back Dec. 11 Fwd Yds & Docks, 12-12	
344197	8;31	PCCS	TEL- Sub report of test at Annapolis station.	
343892	8/30	Naval Com	Fwds copy of dispatch in conn with Sayville and Annapolis Waive length test being carried on ~~Marine Corps Oct. 16 xxxxxxxxxxxxxxxxxx~~ radio ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~ made W 920 Communications Oct. 16 Fwds messages relating to Annapolis Wave length test	

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FRANCE: ANNAPOLIS: MD.

Number.	Date.	From or To—	Subject.	
334988	7;30 8; 2	Fuel Engineering Co S&A	Wage schedule in connection with radio station. Fwd. Secnav. 8/30	
33458	7/26	Mare Is	Fwds reports on matl shipt for Annapolis Radio Sta	629
334224	8/8	To Y&D	Reqtd. installation of coaling gear at Rad. Sta. Wharf at Annapolis. W Y&D-Fwds allotment. 12;23 Fwd Y&D 12-27	
~~335796~~	8;11	Experiment Station WRONG ENTRY	Insrr FR reqst copy of test 1085 covering examination of forgings furnished by Camden Forge Co. S	
335758	8;9	Y&D	Completion of station at Annapolis, submits statement giving dates of completion of various items of work. W	
337996	8;15	Naval Com	Fwds copy of process verble for New Castle radio station for period ending 7;27 W	
337999	8;14	S&A	Payment for overtime work for Fed Tel Co	

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FRANCE: ANNAPOLIS MD

Number.	Date.	From or To—	Subject.	
337727	8;14	Annapolis	Fwds progress of work. W	
338479	8/16	Annapolis	Rqst authorize annual allowance for station at once - W To-----Amt. allotd. for maintenance. 9/6	
336878	8/13	12 Dist	Tel Rqst immediate shipt of antenna wire for Annapolis Station	920-8
338114	8/19	To Annapolis (T)	Gives instructions for testing arc. W	
338371	8;15		Fwds purchasing order from Fed Tel Co.	
338455	8;16	Fed Tel Co	Preliminary test for Annapolis Station held up, awaits completion of counterpoise system.	
337909	9/4	Fwd. Sec.Nav.	Payt. for overtime work is approved. W	

Number.	Date.	From or To—	Subject.
327231	7;11	Naval Communication	Submits name which will be applied to radio station at Annapolis. A Naval Communication 7;22
327289	7;16	Naval Academy	Copy of letter to dept, rec. reconsider decision in connection with purchase of property adjoining radio station Greenbury. Annapolis-Fwds copy of agreement. 11;11
327559	6;21 7;17	Fed Tel Co S&A	Submits schedule of mechanics, electricians, carpenters, laborers etc. W Fwd. Seonav. 9/4.
327292	7;15	Fed Tel Co.	Equip installed in Sayville station for acceptance test, sug circulating air arc converter be improved on. W
328610	7;20	G E Co	TEL: (2) Machines for Annapolis being shipped 7;20 W

N.S.E. Form 134. 920 -- 1

FRANCE: ANNAPOLIS. MD

Number.	Date.	From or To—	Subject.	
330230	7;23	Fed Tel Co	G E Co. - Ship ment of motor generator set and control equipment 7;20 W	
331052	8/1	To Elec. Ser.Co.(T)	Reqts. to ship immed. disc.insulators & pole brackets. W	
329624	9;7;18	Brd on Sit for Prop Station	Fwds Brds report with prints showing sit of prop station.	W
333657	7;30 8;2	Naval Academy Y&D	Sub estimate of cost of construction of storehouse using material at present power house. W Fwd. Y&D 8/30	
333971	8;2	Annapolis	Reqst expidite delivery of truck. W Fwd. S&A 8/7 received back 8;14	
333251	8;2	Locke Insulator Co	TEL: Insulator ordered by G H Gost for Annapolis will be shipped, 8;15	
335030	8;2	Naval Academy	relative to installation of coaling gear.	

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[OVER.]

FRANCE: ANNAPOLIS, MD

1918

Number.	Date.	From or To—	Subject.	
31441	6;6	Federal Tel Co	Reqts bureau special instruction covering ~~radio~~ antenae load inductor on contract 33244 W	
313982	6/3 6/5	Annapolis Naval Communications	Request floor of galley in Marine Barracks be heat insulated to do away with excessive reating of room immediately below - W	
314207	6-10	TO Y&D	Radio station Annapolis- Floor plans and foundations at- W To Y&D Approves changes in wave-changer panel foundation. W 6/13	
315485	6/5	Atlantic Comm Supt	Naval Communications 6/10-ask for allotment of $2000 a month for radio station Anapolis. W & K	
314210	6/12	To Annapolis	Fwds. catalogues & pamphlets. W 6/12	
314209	6/13	To Y&D	Gives instruct. re H.P.Radio Station transformer House. W	
317014	6/18	To S& A	Reqts shipmt from NY to radio station Annapolis radio app for W	674

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FRANCE: ANNAPOLIS, MD.

Number.	Date.	From or To—	Subject.	
315243	6/13	To Ingersoll Rand Co.	Reqts. prices & date of del. on air compressors. W To Y&D Reqts. screens installed Petty Officers' quarters. W 6/14 Ingersoll Rand Co - Fwds propeller. W	
315244	6/13	To Westinghouse	Reqt. price & date of del. on Induction Slip Ring Motors. W20 Westinhouse E & M Co - Sub. quotations	7;8
315245	6/13	To GE Co.	Reqts. price & date of del. Induction Motors. W GE Co - Submits quotation on motor. W 6-15	
316585	6/12	Anapolis	Naval Communications 6/13-rqst screening kitchen porth of chief petty officers quarters. W	
316970	6/15	Anapolis T	Rqst insulators for antenna wires for experiments of batteries be forwarded at once. W To ----- Re above. 6/19	
317101	6/17	To B. of Standards.	Reqts. permission for Federal T.Co. to calibrate 4 spring dynamometers. W	

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FRANCE: ANNAPOLIS MARYLAND 1918 3

Number.	Date.	From or To—	Subject.
309358	5;22	Federal Tel Co.	Fwds preliminary list of parts proposed to be furnished for high speed transmitting key at Annapolis station. W
309966	5;24	Y & D	Copy of letter to S & A reqts order additional motor truck for Annapolis Station.
309803	5/23	Federal Teleg Co	Carload of radio equipment forwarded on Govt bill of ladg 4/10 to Anapolis. W
310997	5-13	Anapolis	Request for cooling gear. W Fwded Y&D 6-1-18
311014	5-27	Fed Tel Co	Fwds copy of letter from GE Co stating 1st motor generating set will be shipt June 5th. and the 2nd set one week later. W

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N.S.E. Form 134.

FRANCE: ANNAPOLIS MARYLAND

Number.	Date.	From or To—	Subject.
309776	5-31	To Nav Academy	Makes allotment for purchase of supplies, equipment etc., for the High Power Radio Sta Ann W-K Anapolis Sta-rqst $2000 a month be allowed. 6/3 Fwd. Annapolis. WK 6/13
311722	6-1	To Annapolis	Gives instructions re shipment of testing instruments. W Lt Sweet-List appartus req. 9;20 Naval Communications 6/8. Naval Communications - 6/5
	To---- Reqts. list of apparatus in their possession. 8/17		
	To Phila. Re shipt. of testimg instruments. 8/23		
	Phila- Req copy of letter W 9.16		Phila 8;14 Annapolis-Fwds list of instr not received. 9;19 W
	To --- Re testing instruments 9/24. See CARD 12		
310398	6-4	TO Y&D	High Power Radio station Annapolis- equipment of bldgs and completion of grounds at- Det comment on-- W
	Naval Academy- 6;23		TO Y&D- in re above--6-5
	To Annapolis fwd copy of SE letr 6/4/18		Anapolis 6/3 Annapolis - 9;25
	To Annapolis 9/29 7/1		Fwd. Y&D W 6/13
			Y&D - Reqst make allotment covering work, if authorized
313231	6-5	TO Y&D	Completion of radio station-Annapolis- Det instructions in re to- W
314161	6/6	Federal Telegraph Co	Last car load shipment of high power radio equipment for ANNAPOLIS reached destination 6/1 - installation progressing satisfactorily - W
314438	6;7	Federal Tel Co	Reqts rep of bureau inspect arc equip for Annapolis and base on complete delivery. W

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FRANCE: ANAPOLIS MARYLAND

Number.	Date.	From or To—	Subject.
302731	4-27 4-30	Anapolis Communication	Submits annual maintenance estimates. W
303581	5-3	Bureau of Standards VOID WRONG CARD	Fwds plans - report on property of insulating materials of the phenol formaldehyde type. W
303580	5-2	5th Dist	Fwds request from Anapolis Station for 2 tugs with reasons why requested. W
303578	5-2	5th Dist	Fwds request from Anapolis Station requesting allotment $500 for maintenance in advance of yearly maintenance allowance. W
303824	4/25	Naval Academy	Recommends purchase of property adjoining radio station at Glenbury Point owned by C H Remson. W Fwd Dept--5-8

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N.S.E. Form 134.

FRANCE: ANAPOLIS MARYLAND

Number.	Date.	From or To—	Subject.
304539	5/6	Federal Co.	French stations Anapolis reports shipment of three carloads of apparatus.W
304538	5/6	Federal Co.	French stations Anapolis-proposed ground shield system.W
306518	5;13	Naval Academy	Are installing two underground tanks near power house with hand pump for same for purpose of storing gas. W
282710-	5-7	To Annapolis	Fwds list tools submitted by Fed Tel Co which are being supplied by then for use installation arc converter equipment at ra Radio station--W
306415	5-14	To (T) J G Biddle	Ship express one hand tachoscope to Mare Island for radio and one megger to room 302 - 618-17th st Wash CD.C. as quoted despatch to Lt Stevens May 13th-W To J K Biddle- 5-21
308288	5;18	Federal Tel Co.	Delivery of apparatus made to Annapolis W Fwd Y&D--5-24 To Y&D Asks date of completion of work at Annapolis. W 6/21 Yards & Docks - Status of completion of blds. 6;24 Yards and Docks - Fwds copy of correspondence. W 6;27

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[OVER.]

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FRANCE: ANNAPOLIS MD.

Number.	Date.	From or To—	Subject.	
295821	4/1	Annapolis	Reports on station routine.W	
295847	4-3	Annapolis Station	Progress report. W	
296263	4-8	5th Naval District	Officer in charge of Annapolis Radio Station - requests be assigned to Navy yard for maintenance. W To--Appcs.4/12 To Nav Acad--Gives action.4/12 Naval Acad - Submits estimates. W 5-1	
296264	4-5 4-8	Annapolis 5th Naval District	Request typewriter. W	
295745	4/8	T To Mare Island	Hold Ryall Halleck Watson for possible early detail Annapolis. W	635-2
7 298198	4/16	To M.Is. T	~~Ask when report of last inspection Contr 33244 will be fwded. W~~ M Is (T) contract 33244 not on record - W To--(T)Contr mailed today. 4/19 5/8-Mare Is-Copy of contract 33244 not received. ~~To (T) Mare Island fwding copy radio contract 33244, 5-13~~	

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N.S.E. Form 134.

FRANCE; ANNAPOLIS MD.

Number.	Date.	From or To—	Subject.
299835	4-20	Norf	Annapolis high powered station - recommends change in lighting system. W
			S&A - report of shipments - 3/17 fwd Annp 3/20/20RBW
299209	4-24	To S&A	Reqts shipmt From N.Y. to Annapolis for High Power 3/31
to Card 45		TO S&A-Rqst shipment from Norf To Radio Annapolis-material for station- as listed-5-14 Shipment order May 13 received back 21st Oct. Shipment order	radio station - material for To S&A Reqts shipmt from Norf ditto 4-24 TO S&A- Rqst shipment form Norf to Radio Sta - Annapolis--Material for--4-25 July 20 received back Oct. 21
300202	4-24	To Jeffrey Dewitt Co	Advises in RE reqts W Jeffery & Dewitt Co - W 4-26 Rq Jeffery & Dewitt Co 5/7.
300205	4-24	To Annapolis	Fwds list of tools and supplies for which shipping orders prepared - desires comments W Fifth Dist. list fans and other tools reqts for high power radio stations at Annapolis.5;10
300665	4-25	To Annapolis-	Insulators for High Power Antenna-In re to test W
301886	4-27	Fed Co	Fwds blue prints showing floor plan layout on the details of foundation for motor generator set.
302745	5-1	Fed Tel Co	Are remodeling transmitting key units for Anapolis Station to make them suitable for high speed transmission - submits estimate of charge. W

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[OVER.]

Number.	Date.	From or To—	Subject.	
651555	11/8 11/28	Bar Harbor Y&D	Protest against occupying remodeled guard house by Lt. F. W. Carli. W	920-4
654632	12/23	Bar Harbor	Gives voltage of various lines W	

Number.	Date.	From or To—	Subject.	

FRANCE BAR HARBOR 1922

Number.	Date.	From or To—	Subject.
632164	7/11	Y&D	Copy of letter to Boston stating approved credit card will be fwded cov saving under allotment 2601-20 W. Y&D- Repairs to sewer completed with saving under allotment. 7/11 W
622742	FROM CARD	35	Y&D- 8/10 Y Fwds Y&D 8/15 W
640139	8/30 9/1	Boston Y&D	Recommends payment of contractors charge cov remodeling guard house. W. Fwds Y&D 9/7 WK
640848	8/16 9/8	Bar Harbor Communications	Request 10 seamen be ordered to Bar Harbor to fill vacancies of Marine Detachment. W. Fwds Dir Commns 9/12

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N. Eng. 134

FRANCE BAR HARBOR 1922

Number.	Date.	From or To—	Subject.
643743	9/30	Shipping Board	Suggestions covering improving receiving equipt at Bar Harbor. W. Fwds Boston 10/5 RB 10/28 W To Shipping Board- Gives list of recg. appr. in use at Bar Harbor 11/11 Fwds Dir Commns 11/15 RB 11/20 W
646782	10/28	To Boston	Transmitting Sta- Sea Wall, Maine spares for W
9 648020	11/10	Department	Recommends loop and New York and Boston connected to Washington Bar Harbor Radio control station by disconnected W To Operns- d,appvd 11/17 Dept- 11/25 W To Washn via S&A- reqsts changes be made 12/5
649750	11/14	Shipping Board	Fwds report from Boston office regarding efficiency of Bar Harbor station W

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[OVER.]

FRANCE BAR HARBOR 1922

Number.	Date.	From or To—	Subject.
623899	5/17	Bar Harbor Copy	Report on test with Lyons W
624189	5/18	Bar Harbor (T)	N.Y. test very faint due to heavy static. W
624367	5/19	Bar Harbor- (T)	Signals from lines greatly improved. W
624752	5/22	Bar Harbor Copy	Report on test with Lyons. W
625931	5/30	Bar Harbor	Report on test. W.

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Number.	Date.	From or To—	Subject.	
628423	6/16	Y&D	Request allotment $1,060. to improve fire protecting sys to prevent freezing W Fwds as & Docks 6/22	
629159	6/20	Y&D	Copy of telegram to Boston authg installation of heating sys for elevated water tank	W
630171	6/27	Y&D	Copy of instructions to Boston to keep within allotment $1060. W.	
630603	6/29	Boston	Copy of report of inspection. W.	
630844	6/30	Boston	Copy of quarterly inspection report. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
620247	FROM CARD 35		Bar Harbor- 5/9- (T) Rome did not transmit. W.
			Bar Harbor- (T)Rome did not transmit.5/11 W
			To Bar Harbor (T) Rome Requested to repeat direct 5/8
			To Bar Harbor (T)Rome has postponed Korn test temporarily 5/11
			To Boston- Reqsts statement of important factors cc Dir Comm- Bu of Standards W 5/13 RB 6/6 W
			Bar Harbor- Report on test with Rome. 5/19 W
			Bar Harbor- (T) Report on test. 5/22 W
			Bar Harbor- (T) Report on Lyon test. 5/22 W
			Bar Harbor- Copy- Report on Lyon test. 5/22 W
			Rome- Copy- Repeat radiograms will be divided in lines. 5/24 W.
			Bar Harbor- Copy- Test with Rome not satisf.5/29 W
			Bar Harbor- Copy- report on test. 5/31 W.
			Bar Harbor- Report on test- Copy: W.
			Bar Harbor- T- report on test W.
			Bar Harbor Copy- 5/31 W
			Boston- Report of test. 6/3 W.
			Boston- Report of test with Rome. 6/6 W
			To WC Beazell Gives Inform rel Apparatus 6/7
			To Bar Harbor (T) test authd cc Dir Comms- 1st District 6/7
			Fwds Dir commns 7/13
			Fwds Dir commns 7/13
			Communications- report on comparative test of Rome's signals. 7/14 W

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
619105	4/18	To NY (T)	Authorized release equipment in custody E H Hanson to be taken as personal baggage Bar Harbor for tests W	
	other side		Bar Harbor 4/20 T. Request apparatus be shipped by express to expedite installation W. To O-I-C Bar Harbor (T) Express shipment authd 4/21 N.Y.- (T) Material shipt to Bar Harbor by express. 4/26 W.	
619110	4/20	To Boston	Radio Station Seawall Adjustment of "TD" set for radio telephone- Reqst report W	
619366	4/20	To S&A 110	Reqst shipment of Equipment from SO NY to Bar Harbor W RB 1/15/23 W	
620247	4/24	Bar Harbor (T)	~~Request arrangements be made for test. W.~~ Bar Harbor- (T)- 4/25 W. Bar Harbor- (T) Apprs has no electrical connection with receivers. W. To Bar Harbor (T) Dr Miller will arrive 6PM 4/27 To O-I-C Bar Harbor (T) Ask what hour is Rome best received 4/25 4/25 Bar Harbor- Request Rome be instructed to send message. 4/28 (T) W. To Bu Standards Gives inform rel reception from Rome cc Air Commn 4/29 To O-I-C Bar Harbor- test delayed until may 6 4/28 Bur Stand Labr. Canno measure signals from Rome. 5/2 W. Bar Harbor- (T) Rome did not send test. 5/6 W Bar Harbor- (T) message garbled. 5/8 W Bar Harbor- (T) Report on test. 5/9 W To Bar Harbor (T) Rome Delayed test will advise 5/6 Bar Harbor- (T) Request Rome be instructed to transmit- 5/9 W	

TO CARD #35- A

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FRANCE BAR HARBOR

Number.	Date.	From or To—	Subject.	
619105	from other side		To NY (T) Ask if photographic mat been shipped W 4/25.	
621672	5/4	To S&A 201	Reqst shipment of mat from Washn to Bar Harbor W RB 7/24/22. W	
621954	5/5	Y&D	Request recommendations be submitted cov precluding freezing of water in elevated tank. W.	
622742	5/5 5/10	Boston Y&D	Damage to bank and sewer by land slide - fwds report cov. with photos W. Fwds Yds & Docks 5/19 RB 5/23 W Fwds Yds & Docks 5/26 Y&D- Copy action to Boston. 5/27 W Y&D 6/16 Recommends change order be issued W Fwds ds & Docks 6/23 Y&D- Copy action to Boston 6/27 W	

TO CARD 37

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[OVER.]

O

FRANCE BAR HARBOR 1922

Number.	Date.	From or To—	Subject.	
613254	3/10	Boston	Instln of model TD tube transmitter report on adjustments made.	
614577	3/23	To O-I-C Bar Harbor	Commemoration of former O-I-C Lieut Alessandro Fabbri deceased- cc Ernesto Fabbri- Boston- 1st dist W Bar Harbor- 3/27- letter of commemoration for Lt. A. Fabbri 3/27 W. To Bar Harbor (T) Gives Instrns 3/25	
614846	3/24	To Ernesto Fabbri (Sec Sig)	Desires to take advantage of the ocassion of presentation to Bar Harbor Station of a framed photograph and citation of the late Lieut Allessandro fabbri- W	
616118	3/30	Y&D	Request auth covering expenditure for new hot water tank in guard house. W. To Yds & Docks Allotment made/4/1 Y&D- Copy action to Boston. 4/3 W.	

FRANCE BAR HARBOR 1922

Number.	Date.	From or To—	Subject.
616045	3/31	To S&A 9968	Reqst shipment of Tubes from Aircraft Fac To SO Boston W
617180	4/8	To Boston	Furniture for officers quarters- Expenditure authd cc ids- & Docks W K S&A- Copy of action to Boston. 4/12 W.
618337	4/12	Boston	Subm report on performance of TD transmitter installed at Bar Harbor. W Fwds Washington 4/18 RB 5/3 W
619491	4/19	Boston	Subm report on performance of TD transmitter. W

FRANCE BAR HARBOR 1922

Number.	Date.	From or To—		Subject.	
607770	1/31	Bar Harbor	Copy	In conn with making arrangement for test W Bar Harbor- (T) Wave changer handle missing- 3 days nec to prepare for test/ 2/4 W. To Bar Harbor (T) Ask when set will be ready for test and what neccy to complete instln 2/3/22 MI- (T) The turbo generator unit available- commissioning delayed. 2/16 W	
604899	FROM CARD	32		S&A- Copy of shipt orders cov filament transformers from Bar Harbor to N.Y. 2/2 W S&A Copy of shipt order cov fillament transformer from N.Y. to Bar Harbor. 2/2 W.	
607743	2/2	Boston		"Electra" arc carbon for- fwds samples. W Fwd Washington cc Boston 2 6 Washn. 3/15- Recommendations. W. To Boston- Gives Inform 3/18	

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FRANCE BAR HARBOR 1922

Number.	Date.	From or To—	Subject.
609107	2/10	Boston. (T)	TD transmitter will be ready for test 2/13; aks when GE Engineer will arrive. W.
600957	~~2/10~~	FROM CARD 32	Inspr GE- (T) Co's representative will be in N.Y. 2/13. 2/10 W. Inspr GE- Co's representative will proceed to Bar Harbor- 2/10 W To NY- Reqst inform rel change in plans cc Inspr Eng mat GE 2/13 To Boston- Bar Harbor (T) Proceed tests and reports as previous instructions 2/11
611997	2/28 3/1	Bar Harbor Boston	Request instrn pamphlets and wiring diagrams for model RD long wave receiver. W. To Washn- Reqsts Bar Harbor and Condt Boston be furnished with instrn pamphlets cc Bar. Harbor- Boston 3/4 Washn - Fwds instrn booklet for model RB receiving equipt. 2/14 W.

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[OVER.]

FRANCE BAR HARBOR 1921

Number.	Date.	From or To—	Subject.
595376	10/29 11/9	Bar Harbor Boston	Request short wave receiver be furn. W. To S&A Reqst shipmt of mat from Brook to Bar Harbor 9198 11/16 RB 12/7 W. To Boston Reqst inform rel nameplate data 11/19 To Boston Reqst inform 11/19 Navy Sup Depot- One compass receiver shipt to Bar Harbor. 12/7 W.
596245	11/17	Bar Harbor (T)	Boston Yard requisitions cov recording same, was purchased direct from Eastman Kodak Co. W.
596394	11/19	To Boston	Loop for use with Model "RB" long wave receiving equipment Fwds Plan W
596824	11/21	Bar Harbor Copy	Report on test Leafields schedule. W.
598021	11/29	Y&D	Copy of letter to Boston in conn with changing order cov resistance units. W.
599298	12/7	Y&D	Copy of letter to Boston stating approved credit card will be fwded cov saving under allotment. W.
47403	12/5	Boston	Ask date of shipmt of correct mtl to 629 seawall Sta SW

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FRANCE BAR HARBOR 1921

Number.	Date.	From or To—	Subject.
599689	12/14	To S&A 9361	Reqst shpmt of tubes from Phila to So Boston W RB 1/19 W S&A- Copy action to Phila. 1/9 W
601957	12/28	To Boston	Instln of model TD tube sets at Chatham and Bar Harbor - rqst inform rel to status of tubes. W. Boston- Rqst allotment of $1200. W.1/10 To Boston- Allotment made cc NY 1/14/22 To NY- Gives Action Taken cc Boston 1/14/22
CARD 33			N.Y.- Rqst instrn book. 1/24 W To NY Fwds Instruction Booklet 2/2
		1922	Bar Harbor- (T) Yard electrician will arrive 2/8 2/7 W. Bost- equipt for TD transmitter recd 2/6 W To Insp Nat GE (T) Gives inform 2/8
604225	1/12	Y&D	Request recommendations rel to remodeling of guard house. W. To Yds & Docks- Allotment made 1/23 Y&D Copy action to Boston. 1/27 W
603859	1/12	To S&A 9502	Reqst shipment of material from So NY to Bar Harbor W RB 2/9 W.
604899	1/20	To Boston (T)	Ask if tubes recd aslo reqsuests date of shipment W Boston- (T) Transformer not recd; ready for shipt 1/25. 1/23 W.
CARD 33			To S&A Gives Instrns rel shipment of transformer 1/26

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[OVER.]

Number.	Date.	From or To—	Subject.
583963	9/8	To Boston	Quotes from report of Bureau representative W Boston- Report of inspection 9/28 W
583962	9/8	To Dir communications	Report of Bu representative: with comment W
585173	9/16	To Dr E Belin	Grants permission for temporarily instln of Radio photographic apparatus- W To O-1-C Bar Harbor Gives instrns cc Dir comm- Boston 9/15
585593	9/15	Y&D	Electricl distribution system- request allotment to cover cost of 60 ampere automatic thro over switch. WK Fwds Yds & Docks cc Boston 9/21 Y&D 9/22 copy of action to Boston W
588950	10/6	Y&D V	Copy of letter to Boston stating award for pump made in excess of authorized expenditure. W.

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Number.	Date.	From or To—	Subject.
591675	10/17 10/21	Boston Y&D	Submits estimates with print covering repairs to sewer. W. Fwd Yds & Docks 10/26 RB 11/7 W Fwd Yds & Docks 11/10 Y&D- Copy action to Boston. 11/12 W
591678	10/21	Y&D	Copy of letter to Boston requesting expedite trans of fire hose to Bar Harbor W
593039	10;27	Y&D	Copy of ind to Boston directing postpone repairs to sewer so that same may be included in 1923 estimates.W
593589	10;31	Y&D	Copy of ind to S&A relative to deep well pump at Bar Harbor.W
594095	10/31	Boston	Machine shop equipt for Bar Harbor -rqst instrns as to, with appropriation chargeable KW. To Boston Gives inform 11/10
595060	11/8	Boston	Quarterly report of inspection, Seawall Station. W.
595058	11/8	Boston	Quarterly inspection report, Ottercliffs. W.

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[OVER.]

FRANCE; BAR HARBOR 1921

Number.	Date.	From or To—	Subject.
567329	6-8	To S&A	Reqst shipmt of arc key from Washington to Bar Harbor W 7720 RB 8/20 W.
565790	6-7	To S&A	Reqst shipmt of rec set from Washington to Bar Harbor W 7716
	To S&A Reqst shipment of equipment from Washn to Bar Harbor #21 4/10 RB 5/26/22.W		To S&A Reqst shipment of Equipment from Bar Harbor to SO Washn 23 4/10
			To S&A Reqst shipment of Recg Set from Washn to Boston 22 4/10
568704	6/9	Sayville Copy 9	Arc out of commission, new arc chamber installed. W.
			To N.Y.- reqst investigation 6-10
570693	6/20	Y&D	Copy of letter to Boston authorizing instln of fuel oil stg tank. W.
572876	7/1	Y&D	Copy of letter to Boston stating approved allotment cards will be fwded cov installation of oil engine W
			Y&D 7/1 Work completed with savings from allot W
574319	7;8	Boston	Ask when GE Co representative will instal TB transmitter.W
575254	7;13	Bar Harbor	Submits report on reception of SanDiego transmission on automatic recorder.W
575773	7;18	Y&D	Tranches omitted in connection with elec distribution system with saving from contract price.W
			Y&D-11/21- W.

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920-2: FRANCE: BAR HARBOR:

Number.	Date.	From or To—	Subject.
576205	7;20	Y&D	Copy of letter to Boston stating change order will be issued covering modification of contract for elec distribution system. W
577196	7/18 7/25	Bar Harbor Boston	Explosion in Edison battery - submits report covering- W. Explosion-battery.
578495	8/1	Boston	Request 200' to fire hose be furn. W. fwd Y&D 8/4 Y&D- Copy action to Boston. 8/5 W. Boston- Rqst expedite material 10/13 W Fwds Yds & Docks 10/20
579115	8/4	Boston	Recommends new pump be purchased and installed instead of repairs being made to fire alarm system. W. To Appvs recs. 8/9 W Y&D- Copy action to Boston. 10/20 W Boston- Recommends unexpended portion of allotment be reserved. 8/16 W. To Comdt Boston 8/24 To Boston Gives instrns 9/12
579192	8/5	Bar Harbor (T)	Request inspcr GE ship cable equipt to Bar Habor for GRIMES. W. To Inspr GE- (T)- Reprstve advises completd shipt TD equipt not recd. Rqst check and advise. 8/6 W Inspr GE- Report of material shipt (T) 8/9 W
581620	8/19	Bar Harbor Copy Tuckerton.	Reprts results of watch, Laf. Sta. and W.
583654	8/24 9/1	1st Dist Dept	Inspection of Ottercliffs and Ottercliffs compass station- recommends converting Ford into truck. W. Automobiles. To Boston Gives instrns 9/3 Fwd Dept 9/3

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[OVER.]

FRANCE BAR HARBOR D21

Number.	Date.	From or To—	Subject.
554075	3/26	Bar Harbor	Work on concrete footings of water tank for fire protection, system, started. W.
554749	3/31	Bar Harbor Copy	Lists radio material urgently needed. W.
		To S&A Reqst shipmt of wire from Phila to Coco Solo 6900 4/8 RB 7/8	To S&A Reqst shipmt of batteries from Washn to Coco Solo 6901 4/8 RB 7/8
555582	3/30 4/5	Boston Y&D	Fwds prints showing proposed location of fuel oil tanks at Sea Wall. Station. W Fwd Yds7Docks via Boston 4/14 RB 6/14 W Fwd Y&D- 6-16
Bos t8/22	4/14	To Comdt Boston	Rel to emergency repairs to automobiles. WR
559673	4/22	Boston	Requisition covering emergency repairs to automobiles can be cut to $300. W.
560786	4:28	Y&D	Radio construction at Bar Harbor completed with saving ~~to~~ from allotment. W
531143	5	SEE CARD 27	To O-I-C Bar Harbor via Comdt Boston- Fwds cc report for inform in accord with reqsto W 5/3

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FRANCE BAR HARBOR 1921

Number.	Date.	From or To—	Subject.	
561186	5/3	To O-I-C Bar Harbor	High speed tests between B H and San Diego- observation of by Fed Tel Co's Rep- W. To Fed Tel Co. Grants representative D G March permission to visit bar harbor station from 4 of may to 9 inclusive to observe speed tests W	
561779 Dept- 5/4	5/2 Copy of W.	Europ Forces Copy action to Europ Forces	Request conduct test on reception of Pitts arc transmitter one week, beginni ng 5/8 W.	
Boston 13/21	5/3	Fwd Boston	Repairs to automobiles. WR copy S&A	
564232	5/11	Europ Forces Copy	Rqst continue test with PITTSBURGH W.	
564237	5/11	Europ Forces Copy	Request continue test. W.	
565987	5-27	To S&A	Reqst shipmt of material from Washington to Bar Harbor W 7586	
537137	6-3	To S&A	Reqst shipmt of tools from NSD to Bar Harbor Y 7607	604-22
567898	5/31 6/4	Bar Harbor Boston	Request authority cov constrn of radio receiving field booth. W. fwd Boston 6/13 RB 6/29 W To Comdt Boston 6/30	

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[OVER.]

FRANCE BAR HARBOR 1920

Number.	Date.	From or To—	Subject.
533354	12/7	Y&D	Fwds specifications covering fire production system. W.
535826	12/20	Bar Harbor	Report on test of signals from Washington to Anacostia. W
536073	12/21	Y&D	Copy of lette to Boston stating specifications for buildings have been modified. W.
536219	12/21	Boston	Quarterly inspection report. W.
538061	12/28 12/31	Jag Navigation	Report covering damages to high speed recording receiving booth and high speed receiving apparatus by fire. YW. Fwd NAV 1-7-21
540259	1/13	Bar Harbor Copy	Report on high speed photographic recording machine W. To Boston 1-22 cop Otter Cliffs.
540285	1/13	Y&D East	Fwds specifications covering remodeling of Guard House, building and garrage and addition to cottage og officer in charge. W.
540517	10/13 1/14 CANCELLED.	Bar Harbor Dept	Subm recommendations covering permanent compliment of enlisted personnel. W.
544248	2/1	Boston	Quarterly inspection report. W.

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FRANCE BAR HARBOR 1921

Number.	Date.	From or To—	Subject.
547147	2/17	Ottercliffs,- Copy	Reports on tapes and observations. W.
			Bar Harbor- Copy- tapes Annapolis, show decided improvement. 2/18 W.
			Bar Harbor- (T) Report on Annapolis test. 2/19 W
547			Bar Harbor- Confirms telegrams and fwding copies of tapes. 2/19 W.
548542	2/26	Bar Harbor (T)	10 high speed recording bulbs recd. W.
548783	2/16 2/25	Bar Barbor Communications	Subm report of test on 12 KW arc transmitter W
550308	3/2	Y&D	Copy of letter to Boston rqsting recommendations rel to awarding contract for buildings and electric service connections. R.
551424	3/14	Y&D	Copy of letter to Boston requesting necessary data cov changes in electric distributing system, be furn. W.
551425	3/14	Y&D	Buildings and electrical distribution system - comments on allotment cov. W.
			To Boston Reqst recomdn cc Ids & Docks 3/26
			Boston- (T) Recommendations, 3/28 W
			To Boston Reqst recomdns 3/30
			Boston- (T) Recommends cables be placed under ground to reduce induction. 4/1 W
			Boston 4/4
551200	3-14	To Boston	Fwds circular of Aero Alarm Co, rel fire protection for Bar Harbor station W
			Boston- Recommendations cov fire alarm system / 4/16 W
			To Boston Gives Inform 4/25

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[OVER.]

FRANCE BAR HARBOR

Number.	Date.	From or To—	Subject.
523324	10/14	S&A	Copy of shipt order covering Ford Car c from Ham.Rds. to Bar Harbor. W.
524499	10/14 10/20 To Comdt	Bar Harbor Boston Boston 11/12	Request vessel be supplied with new drift to replace barrage antenna wire. W. Car. S. C. Hooper. 11/5 W. Bur. Stand. Labr- Not much difference between relative superiority of Alexander Son barrage and antenna loop barrage. 11/8 W 922
526579	10-26 Bangor R&E Co-11:23-W&S	Bangor Ry & Elec Co	Request auth to make connections on wire from Bar Harbor sta for private use; W fwd Boston 11/6 RB 11/13 W. To S&A reqst amendments be made 11-18 To Bangor RE Co 11-18 S&A- Copy of action to Ports. 11/22 W
527057	10/28	Bar Harbor	Improvement to receiving circuit; recommendations covering. W. To Bur Stds fwds copy of letter 11/5
528692	11/11 To Comdt	Bar Harbor Copy Boston 11-20	Report on fire, high speed receiving booth. W To Bar Harbor Tel 11/13 Bar Harbor- Creorder can be repaired. 11/14 W Bar Harbor- 11/15 (T)- W. SO from Washn to Bar Harbor 11-17 RB 1/10 W
528904	11/4 11/11	Bar Harbor 1st Dist.	Subm report of observation bearings obtained on static. W.
529581	11/6 11/13	Ham.Rds. Y&D	Ford automobile 1142 shipt to Bar Harbor radio station. W.

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N.S.E. Form 134.

FRANCE BAR HARBOR

Number.	Date.	From or To—	Subject.
529950	10/27 11/17	Nav. Academy Washington	Fwds report secd from C-P Tele. Co. rel to conditions existing between their lines and high tension transmission line to radio sta. W
	VOID- see 920 -1		fwd Annapolis 11/22
530646	11/22	N.Y. (T)	Report covering interference. W.
531143	11-26	To Comdt Boston	Advise rel instaln of arc set at Seawall W
	Communications 3/29 W		Boston - 12/2 W
	Bar Stand Barr- Report on audibilities 3/29 W		Boston- 2/21 W,
	Boston- Fwds report of test 4/11 W		Bar Harbor- Copy of action to 1st Dist. 2/24 W
			To Boston 3/16 cc Communs Syandards
531362	11/23	Bar Harbor	Copy of letter to commandant submitting special report on reception at Bar Harbor. W
531564	11/27	Boston	Semi Deisel engine for reserved power at Seawall radio sta- recommendation cov, with print. W,
	Y&D- Copy of action to Bost. 12/11 W,		To Boston 12/6- concurs in opinion- W cop Y&D
532155	11;16 12;1	Bar Harbor Comm	Report showing two instances of exceptionally long distance communications. W
532425	12/2	Bar Harbor Copy	Report on test with Gibralter Rock. W.
			Bar Harbor- 12/4 (T) W
532423	12/2	Bar Harbor Copy	Report on test with Wailupe. W.
532456	12/2	Y&D	Fwds copy of specifications cov electrical distribution system for. W.

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[OVER.]

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.
517219	9-11	Bar Harbor	Correspondence re securing coal; W
517967	9-20	To Boston (T)	Advise rel placing Seawall out of commission. more than one day. W
517967	9-18	D.C.S. 1st Dist (T)	Auth request to transfer electricians from Otter Cliffs to Portland for temporary duty; also reports in conn with transferring spark transmitter from Seawall to new transmitting house; W 1st Dist- Copy- Actual transfer of transmitter will req ire one day. 9/24 W. CO OHIO 9/25 W. CANCELLED-(519002-323 -6)
519393	9-25	Y&D	Fwds specifications covering coal bins at Bar Harbor; W
519133	9/25	1st Dist. Copy	Request inform rel to wave lengths desired on arc set at Ottercliffs. W. To Boston 9-28
519166	9/22	Solicitor	Bar Harbor- fwds copies of deeds and map of property. W.
519484	9-27	Bar Harbor (copy)	J.A.C. Palmer request auth for removing personal property from Bar Harbor; R

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N.S.E. Form 134.

, FRANCE BAR HARBOR

Number.	Date.	From or To—	Subject.	
519660	9/27	Y&D	Fwds copies of deeds and prints showing property, transmitting station at Bar Harbor W	
519760	9/29	Bar Harbor Copy	Received dispatch from P.O.Z. stating are working with new station. W.	
520930	9/16 9/30	Bar Harbor Dept	Request for horses, sled, wagon and equipt for use at Otteroliffs. W. Fwd Secty 10/14 RB 10/22 W. Fwd Boston 10-23	
521221	10/8	To S&A	Reqst shipmt of wave meter from Washn to Seawall W RB 1-22-21	
521305	10/5	Bar Harbor Copy	Request unfilled portion of requisition covering forms be fwded at once. W.	
521511	10/11	To Bar Harbor	Tape on Lyons- radiotelegraph- Reqs fwd samples to Bur for transmittal to officer in charte. copy Boston W Bar Harbor- Fwds samples of tape made on Lyons. 12/7 W To Intelligence 12/13	
523139	10/14 To Boston 11/4	Boston (T)	Sub. estimate covering addtl allotment nec for instln work. W. Boston 10/13 W To Boston (T) 10/19 To Boston- rel ice melting equi ment at Seawall 10/19 Boston- (T) Will fwd details by letter. 10/21 W Boston; report on expenditures. 10-28; W Boston; 10-29; W	

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[OVER.]

FRANCE: BAR HARBOR:

Number.	Date.	From or To—	Subject.
507961	7:27	Boston	Quarterly inspection report.W Boston-quarterly inspection report-7-27-W
508316	7/19	Alexander Forbes	Request a pass to visit Otterliffs. W To Bar Harbor. granted 7/29 To Alexander Forbes 7 29 Communications 8/9 W.
509658	8/3	Boston	Request Washington Yard be authorized to ship mptor and water circulating pump for arc instln. W. To Washn. rel pump and motor for SEA WALL 8/7
509966	7/26 8/5	Bar Harbor Communications	Future developements of Ottercliffs sta. acquisition of property for - fwds prints with recommendations W.
511047	8/10	Boston	Recommends 4 amplifiers be fum. W.
510442	8-12	To S&A	Reqst shipmt of pump from Washn to Bar Harbor W Boston (T) pump and motor not received; request be traced; 9-14; W. To Boston (T) 9/15

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N.S.E. Form 134.

FRANCE BAR HARBOR

Number.	Date.	From or To—		Subject.
511361	8/1	Bar Harbor	Copy	Report on test. W.
511397	8/13	Bar Harbor	Copy	Unable to copy Nauen on account of interference from Chatham. W.
512419	8/19	Bar Harbor	Copy	Request forms be furn, for reports. W.
513168	8-25	To S&A		Reqst shipmt of radio appr from Washington to Bar Harbor W
514415	8-31	To S&A		Reqst shipt from Washington to Bar Harbor radio amplifers W Canc of shipt order 1/6/21 5789
514778	8/28 8/30 To S&A 10/20	Bar Harbor Boston		Request spares for spark gap at Seawall sta. W To Boston. shipt being made 9/2 To S&A reqst shipmt from Phila to Bar Harbor radio spark gap 9/16 Shipt from Boston to Bar Harbor 9/16
514877	9-4	To S&A		Advise action taken rel adding machine for Bar Harbor. copy Boston and CO W S&A- Copy of action to Boton. 9/8 W.
515884	9/2	Y&D		Copy of letter to Boston Yard recommending all work on Seawall, Bar Harbor be transferred to Boston Yard. W.
515165	9-8	To S&A		Typewriter for Bar Harbor. Reqst action. copy to Com Boston Bar Harbor. RB 9/11 W., Fwd Boston 9/15 RB 9/22 W

FRANCE BAR HARBOR 1920

Number.	Date.	From or To—	Subject.	
501147	6/18	Fed. Co.	Fwds copy of letter from R.R. Cole requesting instrns for 12 KW arc set. W. To Comdt. Boston- fwds copies of corresp 6/28 To Fed- will be handled by Bur 6-29	
501602	6/12 6/17	Bar Harbor Boston	Request 2 KW Lowenstein gas engine driven radio transmitting set be furn. WS. Fwd Dir Nav Comm 6/24 RB 6/25 W To Boston 6/30 copy Com	
SE 56	6/25	Fwd Boston via S&A	Bar Harbor reimbursement to Mr. Fabbri covering improvements etc. WR copy Cdt Boston Solicitor.	
500159	from Card 23		A. Fabbri- (T)- Requisition 16 for principle amount not fwded. 6/30 W. To Boston (T) 7/1 To A F (T) 7/1 - To J.A.C. Palmer- gives correct status of case 7/6	
514291	7/8	Boston	Confirms telephone conversation in conn with payment of requisition 16 and 76 covering Ottercliffs sta. ".	
504346	7/9	G. H. Clark copy	Request permission to carry on experiments at Ottercliffs be extended thru Sept. W.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
504530	7/10	Bar Harbor Copy	Subm report on test with Rome; no interference with compensating wave.	W.
504786	7-14	To S&A	Reqst shipmt of barrage receiver from Washn to Bar Harbor. W	
505366	7/13	Boston	Request allotment of $700 be made at once, covering furniture for new quarters for operator. W. To Comdt Boston. 7/29	
505367	7/14	Y&D	Copy of letter to Boston authorizing public works listed, at Bar Harbor. W.	
ENG 36/21	715	To Comm	Special land line telegrah service between Dept and Bar Harbor with loops at Whitehall St NY and Boston. WR	
505920	7/16	Boston	Request information as to status of porcelain insulators for. W. To Boston. instructions rel shipt 7/22	
501742	7/13	Boston	Fwds map showing power station of Bar Harbor of Union River Power Co. with report cov characteristics and reliability of power giving instruments.	876
506973	7/26	To S&A	Reqst shipmt of 4 insulators from NY to Seawall Maine. serial number 3823.	

FRANCE: BAR HARBOR 1920

Number.	Date.	From or To—	Subject.
497382	6-3	To Director Naval Intel	Fwds telegram from Danish Comm in which reqst made to visit Bar Harbor - TENNESSEE suggested as ship available W
		Danish Commission-(T)- Request permission for Capt. Faber and Cmdr. Schlederman to visit Bar Harbor. 6/2 W	To Bar Harbor (T) reqst meet Capt Faber and Co or Schledermann of Danish Radio Comm June 4th rel visit to station 6/3
		Danish Mission-(T)-Subm thanks for authority to visit Bar Harbor. 6/4 W	To Danish Comm Schnectady (T) Arranged for visit 6/3
		Bar Harbor-(T)-Danish Mission arrived 6/4 W	
		Danish Commission (T) 6/14 W	
497024	6-3	To S&A	Reqst all material and supplies in store at Bar Harbor be transferred to Naval Supply account to be charged against appropriation Engineering when drawn from store. W Copy Comdt Boston.
			S&A- Fwds report from Bar Harbor 6/30 W
497682	6/3	Communications	Fwds request of Chief Gunner, A. F. Wallis to publish articles attached, on Otter Cliffs. W fwd Intel 6-10
497828	6/2 6/4	Ports. Y&D	Subm monthly report covering progress, transmitting station and quarters at Sea Wall Station. W. fwd Y&D 6-11
498945	5/27 6/9	J. A. C. Palmer Solicitor	Request material listed be returned when station is turned back to Govt. A. W. Shipt order of meter from Wash to Bar Harbor 6-11 RB 7/24 W.
499			To Mr. Fabbri- Fwds copy of letter- asks info in re to 6-17
			A. Fabbri- In conn with status of Ottercliffs station. 6/21 W. fwd Sol 6-24
504346	7-10	To Boston (T)	Notify Bar Harbor permit Clark to carry on expr work as reqst W

Number.	Date.	From or To—	Subject.	
500072	6/17	Boston Copy	Palmer property, Ottercliffs, paid for	5/7 W
500159 TO CARD 24	6/13	F. Fabbri (T) A. Fabbri- (T)-Ask if any further reason for delay in payments.6/24 W T. N. C. Palmer-Station belongs to A. Fabbri. 6/24 W. To A Fabbri (T) rel payment 6-28	Transfer of Palmer property completed and check received. Request for his reimbursement. W To A.Fabbri- (T) Solicitor has released reqns 6-18	
500211	6/9	Hon. J.A.Peters	Request cost during the war of Ottercliffs station. W Meme from Admiral Griffin to Comdr.Hooper, To Congressman- J.A. Peters- summary of	6/11 W 6-18 W
Reqn.16	7/29	To S&A	RB. from Solicitor, 6/21,stating title of Millbridge and Palmer is now vested in the U. S.-in conn with reimbursement of A.Fabbri.	WR
Reqn 56	10/6	To S&A	Recd Back, from Solicitor, 6/21, stating title of Millbridge and Palmer is now vested in the U. S. In conn with reimbursement of A. Fabbri.	WR
501050	6/12 ?	Bar Harbor Boston	In conn with transfer of funds recd from sale of coal to Personnel of Ottercliffs station. W.	

FRANCE BAR HARBOR

Number.	Date.	From or To—	Subject.	
488802	4/19 4/21	1st Dist Communications	Quarterly inspection report	W.
489378	4/22	Boston	Request station's maintenance allowance be increased $2500, to cover cost of civilian employment. To Cdt Boston- auth increase 4-29	W.
489844	4/24	Bostonv	Request spare quenched spark gap be furn for Sea Wall Radio Sta. To Boston- Do not consider adviable to provide duplicate quenched gap 4/28	W. W
490229	4/15 4/26	1st Dist Boston	Quarterly inspection report	W.
462678	FROM CARD 19		Boston- Rqst disposition of excess hot air furnaces. 5/3 To Boston- turn in store for survey 5/11	
494243	5/17	Boston	Quarterly inspection report To Comdt Boston actio will be taken by Boston yard 5/20	W

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N.S.E. Form 134.

FRANCE: BAR HARBOR 1920

Number.	Date.	From or To—	Subject.	
464310	5-10	To Secty	Recommends for appvl $49,000.00 be auth for outlined work. W	604
493042	5/10	Boston	Confirms telephone conversation rqsting authority to send Lt.Cmdr. Will to Bar Harbor to inspect station.	W.
493161	5/12	Boston (T)	Request authority for Bar Harbor to supply two storage batteries, temporary trial course, Rockland. To Boston (T) authgranted 5/13	W.
493533	5/12	Bur Stand.Labr.	Subm memo on reception of Cayey at Otter Cliffs. fwd Boston 5/17	W.
	W	Boston- Subm report with print.7/22 fwd Dr Austin via MI 7/30 R B 9/25 10/4 w. To Bosto	Bar Harbor-Copy- Report on results obtained.6/17 W To Bar Harbor (T). 6/16 asks results Station placed in commission;ready to furnish bearings.	W.
494037	5/17	Bar Harbor Copy	Ottercliffs- Copy- Laf.Sta. not heard. 5/18 W Ottercliffs- Copy- Laf. not heard. 5/19 W To Bar Harbor- rel test 5/19(no results Bu Stas)	W
494240	5/18	1st Dist Copy	Radio compass station, Ottercliffs placed in commission 5/17	W.
494237	5/15	Boston	Quarterly inspection report	W.
464310	5-21	To Comdt Boston	Recommendation made to Asst Secty for Ford passenger car, for B.Harbor disappvord	604

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[OVER.]

FRANCE BAR HARBOR

Number.	Date.	From or To—	Subject.	
475834	2/9 2/11	Communications Naval Intelligence	Fwds article by O. E. Dunlap, Jr., regarding Bar Harbor Station; Ask if satisf to publish. fwd DNI 2/17	W.
Otter Cliffs S&A 6-3-20	2-16	Fwd S&A	Radio Station Bar Harbor. Adding machine. copy to Boston and Off-In-Charge Bar Harbor. W	
477746	2/21	Boston	Request radio material listed be issued to Bar Harbor station. To Cdt Boston 3/3 ~~Shipmt order from Wash to Bar Harbor 3/5~~ Fwd Cdt Boston 2/28	W
479922	3/4 To Boston- Disapproves·5/6	Boston	Recommends 2 horses, harness, wagon and shed be provided for communications between Bar Harbor, Sea Wall and Otter Cliffs; also recommends motor sailing launch be assigned fwd Comm 3/9 RB 4/11 Fwd Boston- 3-12 RB 3/26 Fwd Secty- recs expnd of $1400 4/5 RB 5/3 Y&D- 4/19 Copy of action to Dept. W.4/16	W W
Boston SE 135	3-6	Fwd S&A	Payment to W.E.Woods as Expert Radio Aid in civilian capacity at Bar Harbor. W	
Boston SE 16.	3-10	To Solicitor	Radio Station Bar Harbor, contract covering purchase from Mr. Fabbri. W	

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N.S.E. Form 134.

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
483289	3/23	Y&D	Rigging and repairs to mast- request allotment be made to cover over-espenditure To Y&D 3/29	W.
483495	3/23	Bar Harbor	Fwds request of GE Co. to make certain comparative radio signal strength receiving test at Otter Cliffs. To Comdt Boston 3/27 copy Bar Harbor To H.H. Beverage. permission granted 3/27 copy Bar Harbor Ottercliffs-copy- GE Co. representatives request authority to install appars. 6/9 W.	W.
485393	3/31	Boston	Quarterly inspection report	W.
464310	1-28	Boston	Outline of work Seawalls Radio Sta; W	604
464310	3-31	Boston	Outline of radio work Otter Cliff radio sta; W	604
486956	4/9 4/10	1st Dist Communications	Quarterly inspection report. W. fwd Com. notes condition OTTER CLIFFS 4/13	
488303	4/17 To Cdt Boston- fwds prints 4-20	Bost	Request antenna characteristic data of Otter Cliffs and Sea Wall Station, obtained by G.E.Co representative be furn.	W.

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[OVER.]

FRANCE BAR HARBOR: : 1919

Number.	Date.	From or To—	Subject.	
465899	12-27	To I.M. Ports 919-2	Appledore Station. Re Establishment of.	
466017	12/18 12/29	1st Dist. Communications	Quarterly inspection report. Fwd Communications. 12-31	W.
			1920	
466569	1-3	To S&A	Reqt shipment receivers from Wash to Bar Harbor. W	
Boston SE 12	1-8	Fwd Comdt Boston	Regn covering services of Aide W.E. Woods-Bar Harbor Station.	W-R
469580	1/10	Boston	Subm request for experimental work. To Boston- Lists material to be shipped to Bar Harbor. 1-17	W.
469809	1/12 1/14	Bar Harbor Boston	Reports receipt of Ford motor truck in bad condition. Fwd Y&D. 1-17 RB-1;26	W.
471414	1:22	Boston To Boston. Auth expenditure of $1000. copy to Y&D. 1-24	Pump house to be used in connection with new artesan well-submits estimate covering extension to ?? same .W	

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N.S.E. Form 134.

920-2:FRANCE: BAR HARBOR:

Number.	Date.	From or To—	Subject.	
472048	1;26	Comm	Request issue necessary instrns to retune radio station at Bar Harbor to 2400 meters.W	
2 473283	1;27	Boston copy	Request Y&D expedite installation of pump for new artesian well.W Y&D-copy of action to Boston-1;29 To Boston (T) 1/29	
473463	9;20 1;30	Bar Harbor 1st D.s	Request detachment of chaser 407 and assignment of 40 foot motor sailing launch and 14 foot wherry.W&Y To C&R 2/5 C&R 2/28	
474655	1/7	1st Dist Copy	All wireless down between Bar Harbor and Otter Cliffs. 1st Dist- Copy - damage repairs. 2/7 1st Dist Copy -Seawall in commission. 2/8 Bar Harbor - Copy - Report on damage. 2/7 Boston- Copy 2/7 1st Dist 2/7 - Copy	W.
475074	2/9	A. Fabri (T)	Request payment. Boston- 2/11 - (T)- Check will be issued when papers are retd. 2/11 To Boston (T) 2/18 Boston-(T)-Payment of Fabbri completed. 2/19	W.
475423	2/11	Bost (T)	Request authority to draw vacuum tubes from store for. To Boston (T) 2/13	W.

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[OVER.]

Number.	Date.	From or To—	Subject.	
460097	11/28	To Cdt Boston	Asks fwd statement showing cost of operation GE Photographic recorder per work recd at Otter Cliffs if data can be made available. W	909
461885	12/6	Bar Harbor (T)	Request amplifiers shipt to Station for test use by Dr. Austin be permanently assigned to Station. W. To Otter Cliffs (T) auth retain ship ord amen 12/8	
462198	12/6	Boston	Quarterly inspection report.	W.
6241	12/5	To Boston (T)	Spare vacuum tube can be obtained from GE Co. Reqt these be expedited to prevent recorder Otter Cliffs gong out of commission. W. Copy to Officer - in - Charge Otter Cliffs.	629
462678	12;10	Boston	Quarterly inspection report.W To Comdt Boston- presnet heating system to be retained as recommended. copy to 1st Dist 12-12 Boston - 12/19 Fwd Y&D. 12-23 RB 1/8	
TO CARD 22 Fwd	Y&D- Copy of shipt order cov hot air furnaces from Army Sup Base to Bar Harbor. 1/8 Boston. 1-9 RB 1/19			
462689	12;9	Boston	Quarterly inspection report-Seawall Station.W	
463199	12/13	Bar Harbor(Copy)	Kenney has completed all measurements on receiving antenna at Bar Harbor and Seawall.W.	

N.S.E. Form 134.

920 - 2 FRANCE: BAR HARBOR: 1919

Number.	Date.	From or To—	Subject.	
462142	12-10	To Otter Cliffs (T)	Meet GE Co representative Mr. Kinney Thursday Morning 8:55. Lists information desired.	W
464177	12/17	Navigation	In conn with recreational facilities at Bar Harbor Station. Fwd Cdnt Boston via D.N.C. 12-22 RB 2/4 fwd Opr via Com 2/7 RB 2/10 fwd Opr via Com 2/13	W.
464595	12/17	Bar Harbor	Copy of letter to Boston requesting inspection clause, covering completion of artesion well drilled by Scribener Artesion Well Co. be fwded as soon as possible.	W.
464974	12/20 12/22	1st Dist. Com	Sea Wall Point transmitting station - quarterly inspection report. Fwd D.N.C. 12-26	W.
465131	12/9 12/22	Ports. Boston	Request designate definite allotment to which pay of Firemen at Bar Harbor may be charged.	W. W
465069	12-26 Fwd Boston. 1-14	To Ord via Y&D RB 1/19	Cattages at Bar Harbor. Advise if 8 of the portable cottages at Indian Head and not required can be used. W copy to Boston RB 1/13	

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
452106	10;11 10;17 Y&D-Copy of letter to S&A 11/7 S&A-Copy of shipt order cov Denby truck from Bar Harbor to Boston. 11/10	Bar Harbor Boston	Submits report of damage to Denby motor truck reqst exchange or for 1/2 tone Ford Truck. To Boston-Bu will reqst damaged motor truck No 4014 at Bar Harbor shipped to Navy Yrd Boston. 10;20 To Y&D-Gives damages to Denby truck. 10;20	W
452333	10/3 10/16	1st Dist. Navigation	Request Webster's Standard Dictionary be furnished. W. To Boston-Fwd 10;21 RB 10/27 fwd Nav 10/30 RB 11-15	
452442	10/17	Boston	Subm report with sketches in conn with work during fiscal year 1920, Bar Harbor. W. To Y&D- allotment of 20,000 10/24 To Cdt Boston rel to work in conn with sta 10/24 Y&D 10/27 To Y&D- reqst expedite 4/26 cc Boston and Boston Y&D - retns balance from allotment-4/30 - WK Y&D - copy of action to Bostd - 4/30 - W	
452767	10/23	Fwd Cdt Boston	Req from Otter Cliffs for amplifer. W	
421739	FROM CARD 11 Boston 2/25 To Boston 3/6 copy C.G. Boston- Cable has not been called for. 4/? W. To Boston- appvl of action- shipt order should be corrected read 19 reels instead of 20 4-10 copy S&A Cdt Bar Harbor and C.G.		Boston 10/24 Coast Guard-Repairs to submarine cable completed. 11;4 To Boston- cable be del CG Cable Ship for shipmt to Bar Harbor for installn at that point 11/8 To Coast Guard- 11/10 cc to Com Boston DCS 1st Dist Bar Harbor- Copy of letter to Boston 11/8 Coast Guard 11/12 To Commun- reqst action be taken to retain phone contr line 11/13 cc to Boston and BH To Boston via Com suggests retain sub cable until finally repaired 11/17 cc to 1st Dist Bar H and C.G/	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
454607	10/28	Cayey Light & Ice Co.	Subm offer to build hydro elec power plant- copy of ordnance enclosed covering,	
See 920-4			for Cayey Station. W	
	To San Juna- via NY-advise status 6/29		To-suggests decisions be delayed three or four months pending legislation covering 11/6 To	
455484	11/2	A. Fabbri T	Reqst statement on Bar Harbor matter. To A Fabbri(T) papers not recd from Dist Atty. 11/5	
455737	11;1	Boston	Conf tel in conn with proposed improvements at Bar Harbor. W	
457519	11/14	To Cdt Boston	Reqst fwd forms NSE 25-A W Boston- Fwds radio form. 1/14 To Boston- Forms listed need not be prepared.	1-17
458587	11/20	To S&A	Reqst shipmt from Boston to Otter Cliffs 24 vacuum tubes. W	
459961	11-25	Bar Harbor (T)	New artesian well drilled- Report on capacity of. W	
	To Boston	(T)-Referred Y&D for	Bostob- (T)-Asks status of requisisioion for	
Fwd Y&D. 12-24 RB 1/19		action. Tracing through Y&D. 12-23	pump for well. 12/20	
459675	11/25	Otter Cliffs (T)	Reqst 2 vacuum tubes be supplied as soon as possible W	909

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
5 446675	8;20 9;19	1st Naval Dist Boston	Ottercliffs fwds GE bill for tone traps. fwd S&A 9/30	WK
447296	9;23	Com	Report on inspec of radio stat at Ottercliffs. fwd Cdt Boston 10/6 RB 10;20 Fwd Communications 10/23 RB 10/25 To Boston-Improvements desired at Otter Cliff, matter to be taken up at end of present fiscal year. 10;31	
447347	9;24	Com	Reports on inspec of naval radio station Seawell, Me.	
447510	9;16 9;23	Bar Harbor Boston	Reqst repairs to sanitary system at Ottercliffs. To Boston- auth expd 9/29 cc to Bar Harbor Y&D- W	W
447706	9;20 9;25	Boston Com	Fwds quarterly inspec report radio transm Sta Sewell, Me.	

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
448024	9/29	To Comit Boston	Radio telegraph- amplifers in connection with high speed recorder at Naval Radio sta Otter Cliffs, Bar Harbor Me., W cc to Bar Harbor	
448622	9;29	Boston	Conf tel conv rel to repairs to cottage used as quarters at Bar Harbor. W	
449213	10;3	Boston	Fwds reqst cov improvement to cottage of officers in charge at Bar Harbor, also prints W To Sec Navy-Auth exp of $4,300 for improvements to Bungalow. 10;13 To Secty- in re to remodeling of bung 10/24 RB 10/31 fwd Boston 11/3	
449188	9;30	Bar Harbor	Fwds proposal and drawings cov improvements to bungalow for officers in charge. W	
451221	10;13	Pearl Harbor	Problem #17 of test not received, W Tel Bar Harbor 10/14 (T) Bar Harbor-Tel 10;17	

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
442573	8;16 8;27	Bar Harbor Boston	Sub reqst for plant. W To Bostbn- constructions authorized cost 100.00 chargeable to Engr 9/5	
420719	FROM CARD 11		Civil Service Commission 8-22; Dept 8-29; Auth temporary appointment of W E Woods, Bar Harbor. fwd Dept 9/5 Bar Harbor-Tel 10:4 W.E.Woods will accept appt at Bar Harbor as radio aide if certain of receiving salary when due and permanency of position is assured W 450669- 635-1 10/6	
1st Dist NSA 51 9/5		Fwd Comdt Boston via Comdt 1st Dist	Info reqstd what service vessel performs in conn w Bar Harbor and if motor trucks are not sufficient to provide necessary trasnp facilities. W	
444154	9-5	Boston	Otter Cliffs- Quarterly inspection.	W

Number.	Date.	From or To—	Subject.	
444226	9-5	Boston	Reports on radio Station Sea Wall(Otter Cliffs). Quarterly inspection.	W
444325	9-5	Otter Cliffs	Copy of letter to Boston re permanently installing Alexanderson Barrage Receiving System; cost of, etc.	W
444730	9-5 9-9	Boston Communications	Quarterly inspection Radio Sta Otter Cliffs.	W
Boston SE 16/20	9-13	To Solicitor	Radio telegraph-Radio station Bar Harbor reimbursement to Mr. Fabbri covering i improvements. W R	
445602	9-13	Y&D	Transmits specification covg direction of radio sta Otter Cliffs, Bar Harbor, Me.	W
445844	9-17	Bar Harbor (T)	Rec hold up installn of 12 KW arc transmitter at Sea Wall until permanent operating house completed- Arc not needed this winter.	W

FRANCE; BAR HARBOR.

Number.	Date.	From or To—	Subject.
440731	8;2 8;18	Bar Harbor Boston	Reqst station be furnished with cost. W fwd S&A 8/21 fwd Operations 9/23 R B 9-16 Phila -29
441203	8;20	Boston	Reqst auth to issue tube for amplifiers to Bar Harbor. W
441196	8;22	Boston	Tel-Reqst auth issue vacuum tube to Bar Harbor. w To Boston-Tel- Vacuum tubes auth. 8;22
441340	8;22	Bar Harbor Tel	Reqst auth to return 6 tone traps rec from GE Co. W
Boston 16 SE 8/18		To Otter Cliffs Tel	16016: Sol withholding reqns until actual transfer of title Palmer and Millbridge properties effected W-R

Number.	Date.	From or To—	Subject.	
441715	8;25	Bar Harbor (A Fabbri) T	Reqst instruc as to how to transf property Gov, abstract of titled prepared. W To Bar Harbor-Replies to tel. 8;26	
441813	8;22	Bar Harbor	Fwds plans and recs cov Seawall Transm Station. W	
441346	8;26	To Bar Harbor	Final instruc will be issued later. T To Bar Harbor via Boston- re shipmts 9/15 To Otter Cliffs via Boston 3/13 reqst report operation of tone traps.) To Balboa- fwds report of results obtained from Bar Harbor. reqst further tests 4-12 15th Dist- Fwds sketch of experimental connections installed in conn with tome trap with report on. 5/1 W.	
442574	8;20 8;27	Bar Harbor Boston	Report of experiments cov by L W Austin	W

FRANCE; BAR HARBOR

Number.	Date.	From or To—	Subject.
433775	7;18	L Fabbri Tel	Reqst reimbursement cov furnsh truck for transportation at Bar Harbor Station.
434071	7/23	To Comdt Boston	Fwds prints in conn w installn of arc transmitters for stations Seawall, Bar Harbor. W
435152	7;10 7;24	Bar Harbor Boston	Accepter and rejecter circuit sets be furn. W To Boston cc to Otter C letter of 7/10 will be given consideration 7/29 901
434988	7;23	Ottercliffs	Reqst expedite amplifiers. W To S&A req ship from Wash to Otter Cliffs amplifier 7/28 To Otter Cliffs Tel 7/31 To S&A amend of ship order 12/9
435139	7/26	To Boston	Reqst that representative of GE Co be permitted to make experiments at Otter Cliffs, in conn with receiving equipment loaned Dept, Alexanderson Barrage installed there. W cc to Otter Cliffs Bar Harbor.

Number.	Date.	From or To—	Subject.
435855	7;31	A Fabbri	In con with tel test with George Washington, operation of instruments at Ottercliff etc. W
435154	8/1	To Bureau Standards Airc Laboratory	Fwds copy of letter from G. W. Pickard and J.A. Proctor to Lt. Fabbri W
435155	8/1	To Bureau Standards Radio Research Lab.	Fwds copy of letters, from G W Pickard and J.A. Proctor, rel to receiving system at Otter Cliffs to Lt. Fabbri W
418643	FROM CARD 11		To Cdt Boston- Req proceed with installn work and temporary provision made in conn with insulation as will insure operations 8/11 cc to Bar Harbor
Boston 9 1/2 8/15		Fwd S&A	Auth contract be placed with Scribner Artesian Well Co. W

N.S.E. Form 134.

FRANCE: BAR HARBOR:

Number.	Date.	From or To—	Subject.	
427272	6;20	Boston	Reqst auth to make nec changes on instal of Bar Harbor Comp Sta. Boston-Reqst action Tel 6;25 Boston-Tel-Sub report Ensign Dean. W 6;26 To Boston Tel 6/24	W
427630	6;19	Boston	Reqst spec allotment of $200 be auth cov material listed. To Boston- reqst is supplies can be obtained from stock of material instead of purchasing new articles 6/24 To Bost - auth expd of $700.00 7/12	
428318	6;18 6;24	Bar Harbor Boston	Reqst barbers chair and mirrors be shipped for barber shop. To Boston- reqst furnish articles from available stock turned in from station Harvard Radio Sch 7/1	W
428316	6;18 6;24	Bar Harbor Boston	Reqst ship material listed to furnish new C P O quarters.	
428476	6;25	Ottercliffs Tel	Radio comp, reqst authority to leave electro static screan over coil. To Boston Tel 6/26	

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[OVER.]

Number.	Date.	From or To—	Subject.	
428950	6;27	MI	Final shipmt of arc app made by express 27th. W	
430858	7;7	Boston	Transformer at Seagwall burned out, same being shipped to Boston for repairs.	W
433391	6-28	To Lt. A.Fabbri Commendation	Bu expresses appreciation of services in development of Radio tation,Otter Cliffs, Me. A/Fabbri acknowledges receipt letter.7/3 ~~To-~~	
433829	7/18	Bar Harbor T	High speed recorder out of commission - Reqst GE Co be notified - W To GE Tel 7/19 GE Co 7;21 ~~To-GE Tel 7/19~~	
433822	7;17	Bar Harbor	Reqst station be sup with amplifiers and generators. W	

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Number.	Date.	From or To—	Subject.	
417986 see 60	5/28	To James W Good Chairman App Comm	Reqst appropriation under naval establishment be included in deficiency bill now under consideration, for purchase of land w impr for site station Bar Harbor, and reimbursement Mr. Alessandro Fabbri.	604 K.
423322	6-6	Fwded Naval Intell publicity	Concurs in Director Communications endorsement rel to publication of articles concerning station Bar Harbor. W	
423012	6/2	Fwded Communications	Equipment transferred to Otter Cliffs in 1918- quotes from despatch. W.	855
424169	6;7	Bar Harbor	Permanent completement for Bar Harbor Station including Seawall ~~and~~ Compass Station, recs cov.	W
424258	6;8 6;9	Fleet Sup Base NY Com Super	Fwds invoice from Seagate also rental for Marconie Station. fwd FSB 6-12	W

N.S.E. Form 134.

FRANCE: BAR HARBOR. 920 -- 2

Number.	Date.	From or To—	Subject.	
423646	6/5	Marconi Co	Have been requested to bid on Bar Harbor Radio Station, now occupied by navy. Reqt instructions. W To—Station not for sale.6/10 To Sol—Reqt leases of property in vicinity be obtained. 6/10	
424928	6-13 1st Dist. Bar Harbor Rqst auto be furnished. 11/28	To Y&D	Reqst furnish automobile for officer in charge Bar Harbor. W cc to Bos & Off in charge Bar Harbor- To Y&D - 6:25 Y&D 6:28 To Bar Harbor- Dept disapprove Bu reqst furn auto cannot furnish same 6/30 Bar Harbor-Asks when deliv of auto may be exp. 9:25	
425146	6/11	Bar Harbor	Fwds sample of high speed key test with report cov.	920-1
425900	6;14	Boston	Quarterly inspec report Seawall Tramm Sta.	
425102	6-16	To S&A	Reqst Fed Tel Co be directed to furnish material as addtl item under cost plus contract 39649 covering arc radio equipment W	
426561	6/18	To Hon C S Page	Reqst increase proviso in naval appropriation bill covering purchase of site for radio sta Otter Cliffs, to read 32,500.00 of 30,000.00	604-20

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[OVER.]

Number.	Date.	From or To—	Subject.	
416921	5-10	To S&A	Reqst shipment from Washn to Bar Harbor 6 radio storage batteries W RB 5;16	
418694	5;13	Sayville Tel	Fed tel Co will rep reqst authority to take pictures of station, ground and app.	W
418552	5/2 5/14	1st Dist. Boston	Rqst radio apparatus listed be furnished at once. To Bost n- reqst if assumption is correct radio appr be furnished to station 5-17	W
346053 see 4 and 7a	5-16	Fwded SE	SE authorized to spend $12,434.90 for purpose of reimbursing Lt. Fabbri for tangible personel property etc. W RB 6;25 Fwd Secty Navy 5-21 To Otter Cliffs & Boston Tel 6/21 To Boston via S&A- reqst sub rpgn covering reimb to Mr Fabbri in sum of $18947.74 7/8 Com-Sub correspondence in con with 3;11	
419643 SEE 14	5;16	Fwd to Dept	Boston-Fwds drawings of Seawall Transm Sta. 7;22 Received back 5;21 To K W- detailed info reqs re leadin insul to opr bldg and relation to appr. at Miami 5-27 To Boston- info reqs details Sea Wall Sta Bar Harbor Me. 5-27 Key West 6/10 Fwds prints showing arrangements of towers and antenna system at Miami- W To Bos- req info re sta SEAWALL 7/29 Bpstpn - 8;2	

Boston 6/14 (T) Expect to complete drawings 6/20 To Boston Tel 6-13 To K W- req info re water system at Miami Fla 6-18 Key West-Infor rel to water sup at Miami. W 7;10

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1919

FRANCE

Number.	Date.	From or To—	Subject.	
420719	5-21	1st Dist	Quarterly inspection report Bar Harbor Sta	W
TO CARD 16	5-23	Communications	To Boston- approval aut cost 1500 5-26	
		To Bar Harbor- rec take Civil Ser examination 6-10	Boston 6:3 Recs W E Woods be appointedExp radia aid. Cross to 635-3	
419295	5/20	Boston	Reqst expedite delivery of spare parts for photo recorder ordered from General Elec Co. To Boston Tel 5/19 To GE Co Tel 5/19 G E Co 5/22 Status of shipt of tyape and spare rollers for photographic recording device at Bar Harbor.	864
421739	5:23	1st Dist	Reqst sub cable for radio control, Seawall	
	5:26	Com	Transm Station from Ottercliff be furnished.	W
SEE CARD	RB from	Bar Harbor 9;27	fwd Bar Harbor 6-5 RB 6:21	
18	To CG Wash 9/30	fwd Com 10/28	To CG- auth Comdt Boston arrang to provide laying of cable betwen Sea Wall and Bar Harbor req instructions be issued by CG 6/28	
	Coast Grd 10:3		fwd Boston 7/5	
SE 94	To Boston 10/6	Fwded Ordnance	Corresp re station Bar Harbor machine guns, reqst reimbursement in sum of 1778.68 reqn attached.	W
	5-31			
422677	5:20	Wash	Reqst gov bill of lading 164 cov radio app from Bar Harbor be furnished.	
	6:2	S&A	fwd S&A 6-7	W
422732	5:12	Ports	Reqst instruc in con with instal auxiliary antenna, Seawall Radio Station.	
	5:21	Boston	To Ports- reqst ship of meter antenna to Bar Harbor- cc to Boston BH DCS 1st Dist 6-10	W

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[OVER.]

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N.S.E. Form 134.

1919 10

FRANCE:

Number.	Date.	From or To—	Subject.	
412762	4;16 4;21	1st Dist Boston	Sub req for officers mess gear. To Boston-Approves furnishings for officers mess gear. 4;29	W
413366	4;19	Bar Harbor	Req supplies for Seawall Transmitting Station. To Boston-Fwds 4;29	W
413367	4;19	Ottercliffs	Req wheel-barrel. To Boston-Authorizes. 4;29	W
412949	4-24	To S&A	Reqst shipment from South Brook to Bar Harbor Maine, radio quenched spark gap W R B 5/31	
414130	4;11 4;26 Boston-Sub estimate. 6;26	Bar Harbor Boston	Recs that wire be furnished for under gr antenna of Alexanderson barrage, rec. To Boston-Reqst details of instal. 4;30 Bar Harbor 4;30 Fwd Received back 5;17 fwd Ba Harbor 5-20 RB 7;21	W
417730	5;7 5;10	Bar Harbor 1st Dist	Expert radio aide Bar Harbor, recs for, recs W E Woods be appointed $10.00 per day fwded Boston 5-13	W

1919

Number.	Date.	From or To—	Subject.	
414616	4;23	Boston	Fwds invoice for set and reqst instruments for proper accounting of supplies as maintenance allowance is over drawn. To Ports-Fwd 4;29	W
414928	4;14	Pearl Harbor	Reqst for ladder. To Boston-Gives list of ladders to be furn Bar Harbor. 5;3	W W
415115	4;25	Bar Harbor T	Sub report for past 48 hours.	W
416647	5;7	Bar Harbor T	Reqst one doz bat and elec light be fwd without delay, no spares on hand. To Otter Cliffs Tel 5-9	W
416998	5;8	Ottercliffs T	Gives reasons why increase in allotment is req. To Tel 5-9 To Boet n Tel 5-10	W
417042	5;6	Bar Harbor	Progress report of April.	W

FRANCE:

Number.	Date.	From or To—	Subject.	
404414	3;19	Bar Harbor	Req addition carbon resistance. fwd Otter Cliffs 3-24	W
404969	3-21	Portsmouth	Fwds photographs showing general views of Sewall Main Radio Station W	
405686	3;25	Bar Harbor	Fwds sample of tape on high speed test of Annapolis and non compensating wave test.	W
405543	3-26	To Otter Cliffs,	Reqst set of photographs in duplicate, showing features of interest in conn with station- To Ottercliffs- info reqst receipt of phots 5-13 To Otter Cliffs- reqst info when photographs reqst letr of 3-26 recd 6-14 RB 6;21	
410002	3;13 4;10	Bar Harbor Y&D	Bar Harbor-Fwds photoes of Bar Harbor Station 6;20 Submits req for construction of sick bay contagious wards. To- authorizes 4-12	W
410265	4;8	Dept	Authorizes purchase of land occupied by Naval Radio Station at Ottercliffs, Me. Hon. F E Warner-6;2	W

Number.	Date.	From or To—	Subject.	
410244	4;9	Ports	Receiving station at Ottercliffs, fwds copy of correspondence and plats. To Naval Com-Fwd 4;28	W
410474	4;9	Ottercliffs	Req 10 kw spark transmitter. fwd Boston 4-21 RB 4;30	W
411951	4;14 4;16	Bar Harbor Boston	Req 1 doz Edison A batteries be furnished. To Boston-Will arrangement shipment of bat. 4;30	W
411952	4;14 4;16	Bar Harbor Boston	Req rubber stamps. To Boston-Fwd 4;29	W
411947	4;11 4;16	Bar Harbor Boston	Req complete washington device for dish washing as ussd on board ship for washing of mess gear. To Boston-Fwd 4;29	W
411877	4-19	To Boston	Reqst inspection of transmitter Sea Wall, and report fwd. W	

FRANCE:

Number.	Date.	From or To—	Subject.	
397752	2;6 2;25	Bar Harbor Y&D	Recs water pump driven by oil engine be provided for fire protection. To Otter Cliffs- reqst info re water sup 3-7 Bar Harbor 3;12-Report on fire production. Fwd Y & D 3-18 w recommendations	
397147	2-28 Boston-Sub report og Expedition 5;20 To-Boston-increase in allot for station Bar Harbor Seawall and radio compass sta 5-24	To Radio Off Bostn	Reqst reconsideration of annual maintenan allowance Otter Cliffs Sta Boston-In con with increase and allowance. 3;29 To Boston- asks further info re excessive amt of items upkeep of 4-5 To Boston-Maintenance allowance. 4;28	W
399467	3-4	Bar Harbor (T)	Facilities for housing and caring for chemical wagons available - W	
400896	3;8	Bar Harbor T	Impossible to use barrage set on acct grounding for antenna.	W
401448	3;11	Boston T	Radio tel Station seawall cont placed in commission 11th. To Commun- re completion of Otter Cliffs 3-12	
401531	2;27 3;11	Bar Harbor Y&D	Fwds bill of E K Whitaker coy base in Marine Grd kitchen and instal of galvanized iron in front of kitchen range. To Y&D 3-14	W

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Number.	Date.	From or To—	Subject.	
402315	3;12 2;25	Bar Harbor Tel Elec Co	Rep for photo recorder shipped Bar Harbor rec order cov. Cross to Reg Mch. To Otter Cliffs- Directs obtain sup needed from Sup Officer, Navy 1rd Boston. 3;17	W
402195	3;15	To S&A	Req shipment of four tone traps from Otter- Cliffs to Room 1636 Navy Bldg Wash. Bar Harbor-No new tone traps received. W To Otter Cliffs- re shipment to be made about middle of May tone traps 3-24 To Comdt Bstn- material shipt July 15th cc to Otter Cliffs- Boston 8;4 To GE Co- asks info when del made 8/6	3;20 7/2
403050	3;17 GE Co - 8;11	To GE Co	Req delivery date of 12 tone traps. GE Co-Tone trap ready middle of May.	3;19
402320	3;15	To Cayey Porto Rico Tel.	DCS states Army req ret of barracks and Officer in Charge's quarters Cayey period.	
404384	3;19	1st Dist	Ret ship order # 377685-920-2 of 12;16;18 on rep on no rec and audion con boxes req in addition.	W

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FRANCE:

Number.	Date.	From or To—	Subject.	
371628	12/17	See Card 6	Bu advised that the Priorities Committee has discontinued issuing certificates. RL	
372367	12-27	To Inspr Bost	Asks completion of shipmt of transformers on Ports Navy Yd orde r 14825	W
382160	12;24	Ports	Reports on status of power instal at Ottercliff station.	
		Ports-Fwds report on cond of allot. W 4;3 fwd Y&D 4-19	S&A-Copy of endorsement to Ports give action 1;11	
			Y&D-Submits financial statement. 1;20 fwd S&A 1-7 fwd Y&D 1-25	
			Y&D-Req additional allotment cov increased cost. W 4;4	
381930	1-3	To Otter Cliffs-	Asks description and line sketch of tone traps installed by GE	W
			Bat Harbor-Photo recorder, sub report of test. Cross to 909. W	
			~~Bar Harbor~~ - 1;29	
			Bar Harbor-Sub diagram and descrip of circuit 3;11	
382821	1;4	Ports	Fwds prints of antenna and ground system for Seward Station. W	

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FRANCE

Number.	Date.	From or To—	Subject.	
383129	1-8	To Ch Signal O ficer Army	- Fwds copy Bu let to GE diredting first photo receiving device compeeted be shipped to Otter Cliffs	W
346053	1/17 ARD 6	To 1st Naval District.	Req fwded By Commandant sum of $500 is sufficent to cover expenses.	W-K
see 11	To Sol-Fwd- 5;2	To Secty Navy via Naval Commun instrucns re proposed purchase etc. Bar Harvor. 5-8 J A C Palmer 5;10 Sol 5;15 Offers to lease property at $3,300 per yr. fwd S&A 5-17	To---Fwd. Solicitor 2/21 Bar Harbor 4;2 - SOL 4;15 - Relative to arrangements which should be made to reimburse Lt Fabbri. W SOL-Req recs. 4;15 Com-Fwds expense incurred by Lt. Fabbri. 4;26 To Naval Com-Fwd 4;29 W Bar Harbor 4;30	
388607	1;3 1;23	Bar Harbor 1st Dist	Req adding machine be furnished, gives reasons why. fwd 1st Dist disapproves purc of adding machine for Otter Cliffs Sta 1-28	W
396272	2/18	GE	Photos rec'd instal at Bar Harbor req issue instruc to fwd 2nd device with improved features	909
396984	2;21	Bar Harbor	Towers at Seawall comp 21st ready for test March 1st.	

[OVER.]

FRANCE:

Number.	Date.	From or To—	Subject.	
372367	11;21 11;26	Ports Y&D	Req early priority classification be obtained on transformer for use in con with Ottercliff. Inspr Mass 1;4 To Inspr Bostn asks compl of ship fo trans on Ports Na y yd or 14825 12-27	
373207	11;29	Ports	Req req 35 cov elec power line be approved at once, should be completed before cold weather. Tel To—— (T) 15529 Budocks advises reqtn already approved	
375150	12/6	To S&A	Reqts. shipt. of radio apparatus from Wash. to Bar Harbor. To Bar Harbor 3-15 Request receipt for radio apparatus. Bar Harbor 3;18	
375404	12-9	To Bar Harbor	Will ship about 12-25th 1 long wave wave meter	W
377688	12/16	To S&A	Rqsts radio apparatus a s listed be shiptted from Wash to Otter Cliffs ~~Maine~~, Bar Harbour ~~Maine~~. W.	
378663	12;8	Bar Harbor	Req three long waive receivers and cont boxes at once. W TEL	

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1918

FRANCE

Number.	Date.	From or To—	Subject.	
377685	12-21	To S&A	Reqts shipmt from Bar Harbor to Wash 8 long wave receivers and audion control boxes 12-21	W
~~382160~~	~~1-7~~	~~Fwd S&A~~	~~Reqts that they expedite taking award of contract for SEA Wall Station (Otter Cliffs)~~ fwd Y&D 1-25 fwd Secty 4-11	W
385030	1;9	Bar Harbor	Report on test for housing facilities for motor trucks.	W
388333	1;17 1;24	5th Dist Y&D	Req estimate cov additions nec be approved and authorized. fwd Y&D 2-5	W
~~3886~~07	1-28	Fwd 1st Dist-	~~Disapproves purchase of adding machine for otter cliffs station~~	W

4—3381

[OVER.]

FRANCE

Number.	Date.	From or To—	Subject.	
360373	10/19	Yds. & Docks	Contract 3445 for radio station Otter Cliffs awarded to E. H. Whitaker W ~~Fwd Otter Cliff-s-via 1st Dist via~~ Ports 10-25 To Ports (T) Telegraph when will furniture etc Otter Cliffs radio barracks go fwd urgent. 12-7	
360554	10/18	Bar Harbor	Fwds letter from A. S. Roderick relative to cost for searching title etc. Recommends same be added to cost of property Dept-Considering authority. 10;29	
364524	11-1	To Otter Cliffs	(T) 17031 Survery land authroized	W
364539	11-4	Fwd Bost	Lathe for Otter Cliffs disapproved	W
364584	10;31	Bar Harbor	Req authority to have survey~~s~~ made on Seewall property by local survey	
364213	11/2	To Director Nav Com	Radio Stations at Bar Harbor and Cape Henry are ready for operation and are awaiting personnel. 919	
373738	11;29	Bar Harbor	Fwds weekly report, on radio matters. To Y&D Quotes report of progress at Otter Cliffs 12/5	

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FRANCE:

Number.	Date.	From or To—	Subject.	
366820	11;4 ~~11;7~~	Boston Y&D	Rec house at Ottercliffs req instruc regarding amount of vocher. WK Fwd. Y&D 11/12	
368312	11;11	Bar Harbor	Fwds weekly report of progress. W	
371628	11;19 11;20	Ports Y&D See Card 7	Material for power cont Ottercliff station. To Priorities Committee, Rqst certificate be rerated to A-1 instead of A-5, 11-27 Fwd Y&D 11-30 To Ports. Fwds. copies of lettesr for info of Ind. Mgr. 12/3 Ports-Fwds copy of priority certif Bar Harbor and Union ~~Iron~~ River Power Co for transf. R 12;10	
371667	11;21 11;23	Ports Y&D	Priority req cov transf should also cov transm for new barracks. W	

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
361476	10;21	Bar Harbor	Submits weekly report of progress. W	
346053	10-23	Otter Cliffs-(T)	App coast purchase dismantle and erect	
CARD 7A		Ports-Fwds report on value of improv. 12;30	Belmar mast 25000. Can M Is type 300' wood lat	
		Fwd Dept via Director Nav	~~Iced~~ mast be provided locally within fifteen tho	
		Comm 1-11	sand dollars telegraph reply Ports	W
		~~To 1st Dist 1;7 back 1;13~~	MI-Tel- Must increase current if soft spruce	
		Bar Harbor-Req $1,000 1;9	is to be used. 11;1	
			To Ports via 1st Dist, re future status of	
			Otter Cliffs, 11-26 Portsmouth 12:30	
360554	10-23	Otter Cliffs-(T)	Buseng has reguted solicitor purchase	
			Dodge property and telegraph instnsc	
			direct	W
			Fwd Dept 10-23	
			Fwd Ports 11-1	
362957	10;28	Y&D	Have req S&A to cancel contract cov purchase of coast at Ottercliff and have rejected bid covering, have authorized Ports to cons wooden masts. W	
360373	12;9	Ports	Shipment will be expedited. Tel	
364939	10;11	Bar Harbor		
	10;30	Boston	Req lathes for use in con with experimental work being instal. W	

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N.S.E. Form 134.

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.	
346053	SEE CARD 5		To Otter Cliffs - Authorizes expenditure of $500.00 for expenditures directly under officer in charge of erecting radio transmitting station at Sea Wall controlled (distant) by Otter Cliffs Fwd Dept 1-14 To Sol- req take action to have land purchased Bar Harbor auth $32,500 00 8/2	W-K

4—3381

[OVER.]

FRANCE: Bar Harbor 1918 5

Number.	Date.	From or To—	Subject.	
351895	9;21	Y&D	Have allotted $68.00 to cover cost of walls, receiving station.	
353379	9;28 Fwd Ports 10-14	Bar Harbor	Tel; Rec purchase of additional 38 acres adjoining grounds. W To Otter Cliffs- (T) 13328 Bu SE does not desire additional purchase Expedite plans in conjunction Navsta Ports 10-1 Fwd. Sec.Nav. 10/7 To Dept. Oct/ 10 To Otter Cliffs- (T) 16210 comm with Navsat Ports. BUSE35379-920-WOct 11th fwded instrns to Ports relative to purchase 10-14	W
353413	9:24	Y&D	Radio building,Coaster and Melville, original allotment increased.	
353905	9:29	Bar Harbor	Submits weekly report of progress.	
353946	Lo-14	To Ports (T) 2-W	Ref Buseng first endorsement 353379-920-Oct 11th fwding instrns re to purchase additional thrity-eight acres land Sea Wall. Otter Cliffs wire no instrns yet recd and option expires 15th October 10-14	W

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N.S.E. Form 134.

FRANCE: BAR HARBOR

Number.	Date.	From or To—	Subject.
353946	9:28	Ports	Sub report of visit to radio station also proposed sight of new transmitter station at Ottercliffs W
	To Ports (T) Re purchase of add. acreage at Otter Cliffs-10/5		Ports-Quotes prices for motors for sale of Portland 10:2
	To Otter Cliffs (T) Same as above 10/5. To Y&D. Same as above 10/8		To---(T) Purchase disapproved Cliffs pres. transmitter will be installed 10/4
Bar Harbor 10/10	Telegram request inst. in connection with apparatus		
346053	SEE CARD 4		To Ports (T) Fwds rough pencil sketch- Procedd prolim work pending Bu furmal approl 9-27 W
SEE CARD 6	To M Is- Ports- Ottercliffs- (T) In re above 10-28		Ottercliffs-Sub report of operation. 9:15
	To Ottercliffs-(T) 11125 Reqts auth const 2 20' masts-Budocks 10-28		Ports-Tel- Sub report of estimate of cost. 10; 25
			Ports-Work can be done ar Bar Harbor, gravel available. Tel 10:23
357981	10-15	To Otter Cliffs (T)	Navsta Ports let 43550 Oct 1. Navsta Ports has been authorized allot 2,000 dollars pupose employing local labor etc as reqted ~~Expar~~ paragraph 3. Local labor used must be hired through Labor Board Ports W
			To Ports ditto (T) 10-15
			To Bost- RE furnishing distand control apparatus for Otter Cliffs 10-19
			Ports-Copy of let to Dept req authority to send men listed to Otterclif to comp instal. 2;17
358981	10/11	Portsmouth	Employment of local labor at Otter Cliffs radio station - recommends allotment be authorized and asks if shall be carried on pay roll of Portsmouth Yd I
358865	10/9	Portsmouth	Y&D Oct. 16 - Transmitting station at Bar Harbor - comments on building-power Company estimate mast etc. W
			FWD Y&D-- 10-18

FRANCE: BAR HARBOR. ME. 1918

Number.	Date.	From or To—	Subject.	
344080	8;31	Bar Harbor	Sub report of inadaquacy of marine guard at radio statio, req at least 66 marines be furnished. W	
345383	9;3	Bar Harbor	Report of progress.	
346153	8;27 9;6	Bar Harbor Com	Rec recommendations for installing transmitters radio station for Otter Cliffs. W Ottercliffs- Tel- Official letter mailed 27th 9;12	
346053 SEE CARD 5 see 11	9/11	Fwd. Secnav. To Ports.(T) Retain cognizance Otter Cliffs Rad. until otherwise instructed. 9/21 To Ports. Fwds. plans, specifications & photo. 9/23 **To Otter Cliffs(T) Instruct. issued for purchase of land 9/23** **To Secnav. Reqts. repeated trav. ors. 9/25**	Re establishment of transmitting sta. for operation by distant control at Otter Cliffs. W To Ports. Reqts. that all preliminary work in connection with preparation of plans be made? 9/15. received back 9;18 Ports - Tel; Reports on status of distant control 9;18 **Portsmouth- 9;23** Fwd. Secnav. 9/21. **Fwd. Oper. 9/25** Ports-Copy of letter to Bar Harbor req outline of proposed work. 9;20	
348809	9;5 9;9 9;13	Bar Harbor First Dist Y&D	Cont covering receiving house for station change in cost and type of completion due to modifications in work, submitted estimate. W Fwd Y&D 9-26	
349447	9;6 9;11	1st Dist S&A	Req allotment for experimental purposes. Fwd. S&A 9/19	

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FRANCE BAR HARBOR. ME.

Number.	Date.	From or To—	Subject.	
349777	9;16	Bar Harbor	Fwds report on static eliminated circuit devised by personnel, cross to Interference. W	
350057 Fwd Ports, 10-2	9;18 Bar Harbor 11;5	Ottercliffs Tel	States can secure 300 acres including site for distant control, rec. authority to close deal. W To Secnav. Re purchase of land for transmitting station. 9/20 To Secnav. Re purchase of land for transmitting stations. 9/24 Fwd. Solicitor 9/25 Dept-Authorizes purchase of W 9;27	
351660	9;23	Bar Harbor	Tel; Sub information purchase of land for transm station from J S Mooney.	
351613	8;31	Bar Harbor	Sub weekly report of progress.	
351841	9;23 9;24	Ottercliffs Solicitor	Relative to price of land on Mt Desert Isl for distant control radio station.	

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FRANCE: BAR HARBOR ME

Number.	Date.	From or To—	Subject.	
335682	8;1	Bar Harbor	Sub report of progress also descrip. of crow bar circuit. W	
335787	8;9	Bar Harbor	TEL Reqst immediate shipment of batteries and amplifiers be made W To Otter Cliffs (T) Asks if shipt. sent 8/13 complete amplifiers nec. 8/16	
337458	8;14	Bar Harbor	Submits contractor's estimate covering changes in baffles to conform with blue prints of standard soundproof booth. W To Rad.Sta. Otter Cliffs.(T) Approved. 8/15	
339000	8/17	Bar Harbor	Rqst A&B battery charging panel at Chatham be shipped to Bar Harbor - urgently needed -- W To Boston (T) Ship battery charging panel from Chatham to Bar Harbor . 8/21 To ----(T) Have reqtd. Navsta Boston cpmply if not otherwise disposed of. 8/21.	

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FRANCE: BAR HARBOR. ME.

Number.	Date.	From or To—	Subject.
340396	7;1 8;22	Bar Harbor Y&D	Sub estimate first half fiscal year 1919 Fwd. 1st Dist. 8/29 received back 9;9 Fwd. Y&D 9/14
341899	8;24	Naval Com	Rec. Alexanderson radio barrage be installed at Otter Cliffs, Me W To GE Co. Redtd. to estimate cost of installing suitable apparatus at Otter Cliffs. 8/29 GE Co-Sub plan for installing radio set. (W) 9;6 To Bar Harbor. Re install. of apparatus by GE Co. 9/12
343177	8;27	Bar Harbor	Copy of let to first dist sub detailed rec. in connection with estab of radio station distant control from Otter Cliffs.
343160	8;28	Bar Harbor	Req new allotment be made covering experimental work. To Ports. Reqt. for increase in yearly maintenance allowance. 8/31
343401	8;27	1st Dist	Reqst $5,000 experimental fund for Otter Cliffs, req information in connection with W. Fwd. Com. 9/4

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[OVER.]

FRANCE. BAR HARBOR ME.

Number.	Date.	From or To—	Subject.
320139	6;22 6;23	Bar Harbor Belmar	Submits wekly report of progress. W
324371	6;29 7;6	Bar Harbor Belmar	Submits report of progress. W
325893	7;11	Y&D	Makes allotment covering cost of construction of cellar under receiving building at Bar Harbor W
327277	7;13 7;15	Bar Harbor Belmar	No experiments carried on during past week due to storms. W
327723	7;17	Y&D	Relative to radio receiver built at Bar Harbor W
328599	7;21	Bar Harbor	TEL: Reqst shipment of three 2 inch amplifiers be expidited. W To Otter Cliffs (T) 3 rad. amplifiers will be expedited. 7/23 To S&A Reqts. shipt. of radio apparatus from Wash. to Bar Harbor for Rad. Station. 7/23 received back 8;22

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N.S.E. Form 134.

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FRANCE: BAR HARBOR ME

Number.	Date.	From or To—	Subject.
328651	7;20	Belmar	Reqst bureau expidite additional batteries B Fwd. Belmar 7/25 received back 7;30 Fwd. S&A 8/3 Belmar 7;25 received back 8;14
329679	7;21	Bar Harbor	TEL: Reqst shipment of two stage amplifier be expidited. W
329955	7;20 7;24	Bar Harbor Belmar	Sub report of progress. W
330563	7;19	Pearl Harbor	Relative to transportation of men and supplies. W Fwd. Y&D 7/30 Y&D - 8;7 Fwd. Bar Harbor. 8/9 Yards & Docks 8/17 - Relative to additional motor truck at Bar Harbor
331604	7;20	Navy Com	Directs tel connection between Bar Harbor and office of Cruiser Force, comments on. W
335486	7;16	A Fabbrie	Fwds chart of resuction. W

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[OVER.]

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920 - 2 FRANCE: BAR HARBOR ME.

Number.	Date.	From or To—	Subject.
302234	4-20	Bar Harbor	Report on progress. W
302238	4-28	Belmar	Otter Cliffs radio Station - fwds report of inspection. W
303045	5-7 Bar Harbor 8;28	TO S&A	Rqst shipmnet from Phila to Bar Harbor-radio apparatus-W received back 8;6 To S&A - Reqts shipmt from Wash to Bar Harbor Me for Radio Sta- radio app for 5-9 Shipping order May 9th RB 6-1. To Radsta Otter Cliffs. Asks if rad.apparatus rec'd. 8/26
303046	5-7	TO S&A	Rqst shipment from Wash to Bar Harbor radio appartus-W Shipment order May 7th received back 6-19
306115	5;4	Bar H arbor	Submits report of progress on radio installation. W
306611	5;11 5;13	Bar Harbor Belmar	Submits report of progress during past week W

4—3381

[OVER.]

920--2

FRANCE: BAR HARBOR ME. FOR PREVIOUS CORRES SEE "PATROL SEC HDQRS" 864

1918

Number.	Date.	From or To—	Subject.	
298153	4-6	Otter Cliffs	Report on progress. W	
299239	4/13	Bar Harbor	Weekly report.W	
298988			S&A--4/20	
300007	4/22	To Bar Harbor T	No objection admitting P roctor and Picard.W	
300739	4-17 4-23	Boston Supt Naval Comfmns	Forwards quarterly log for Bar Harbor.W	
300308	4-24	To Yds & D	Asks estimates on installation of rec house as plan fwded.W RB 4-29. Y&D - W 5/2 Fwd Dept--5-4 To Dept 5/4-R B 5/11 To Y & D- In re above- 5-14	
266112	12-5	Bost Dist Supt.	Otter Cliffs, Bar Harbor, relative to allowance, recommended. (Report of Alex Fabbri)	864

4—3381

1918

FRANCE: BAR HARBOR ME.

Number.	Date.	From or To—	Subject.	
309915	5:18 5;23	Bar Harbor Belmar	Fwds weekly report of progress. W	
310626	5/25	Otter-Cliffs T	Quotes telegram recd from Wash with Lt. E. A. Eaton relative to delivering drawing - States Lt Eaton departed before recd by - W	
308323	5-29		Fwd Director Nav Commtns- Change in status of Nav Radio Sta Bar Harbor Me 5e29 F Received back 6;8 from Dept, no copy endorsement to Dept. Fwd. 1st Nav.Dis. via Ports. W30 6/11 received back 7;15	W-15
311925	5-25 5-28	Bar Harbor Belmar	Submits report of progress. W	
316250	6/1	Bar Harbor	Belmar 6/11-submits weekly report of progress. W	
330379	7/29	To Bar Harbor T	Lt Com LaClair will arrive Bar Harbor Thurs Morning 7/29	864

N.S.E. Form 134.

920 - 2 FRANCE: BAR HARBOR: ME. 1918

Number.	Date.	From or To—	Subject.	
316702	6-14	Y&D	Request increase in allotment covering radio station at BAR HARBOR.	
316658	6/14	Bar Harbor T	Request immediate shipment of 6A and 6B ~~xxxxx~~ batteries. W To S&A Reqts. shipt. of radio apparatus for Radio Station from Wash. to Bar Harbor. 6/19	
300302	6/14	To Y&D	Allot $181. for receivng house. W	
317013	6/18	To S&A	Reqts. shipt. radio apparatus from Wash. to Bar Harbor W. received back 6;25	
318019	6-8 6-17	First District T A C O	Report on progress.	
320140	6;15 6;24	Bar Harbor Belmar	Submits report of progress. W	

4—3381

[OVER.]

NEW ORLEAns 1922

Number.	Date.	From or To—	Subject.	
643363	9/29	Y&D	Copy of letter to New Orln. stating approved credit cards will be fwded cov savings under allotments. W.	
644331	10/3	New Orln.	Request $3.00 be allotted to cover over expenditures on cost of 3 Batteries. W. To N O- Allotment made 10/11	
647068	10/23	N.O.	Submits estimate covering cost of repairs. to W Fwds Dept via Yds & Docks 11/2 Fwds Asst. Dept. via Yds & Docks 11/4 RB 11/21 W Fwds N O 11/25	
647368	10/27	Y&D	Copy letter N.O. stating approval of credit cards rel to towers W Y&D 10/27 Returns savings W	

4—3381

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N. Eng. 134

NEW ORLEANS RADIO STATION 1922

Number.	Date.	From or To—	Subject.
648014	10/26	New Orleans	Request definite authority for providing furniture for radio personnel. W. To N O- A standard allowance of furnishings for quarters listed are issued 11/7 New Orleans 11/10 W To NO- Fwds cc Radio plants 11/17
648698	11/10	To N O via S&A	18 water tumblers and 12 tea spoons for use in NEW ORLEANS- B
649586	11/8	New Orleans	Arrangements for sending messages by arc during painting of radio towers W Fwds Operns 11/17

4—3381

[OVER.]

NEW ORLEANS RADIO STATION 1922

Number.	Date.	From or To—	Subject.
624300	5/22	To NO	Spare arc chamber W K
625126	5/24	Y&D	Operating building at Port Arthur completed with saving under allotment W.
629959	6/26	New Orln. (T)	request 5 KW quenched spark gap W To S&A Reqst shipment of spark gap from Brook to S O N O 601 6/29 RB 7/26 W To New Orleans- Blower cooler gap rqst d. 7/3 W
631780	7/8	Y&D	Request comments on proposed transfer of lands and buildings to Veterans Bureau at New Orln W. To Ids & Docks- has no objection to enlargement of hospital 7/13

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N. Eng. 134

NEW ORLEANS RADIO STATION 1922

Number.	Date.	From or To—	Subject.
636335	8/2	8th Dist	Request wiring diagram of radio frequency amplifier be furn. W Fwds Washn 8/10
637430	8/10	New Orln. #997	Request parts listed for uni wave arc key be shipt by express. W. To S&A Rsts shipmt of key from Washn to New Orleans 8/31 W
638076	8/17	New Orln. Copy	Report on test. W
639924	9/1	To S&A 1005	Rqsts shipmt of batteries from Phila to New Orleans. W
641161	9/12	Y&D	Copy of letter to 8th Dist. stating work cov painting towers under allotment 3610-1 will be cancelled. W.

4—3381

[OVER.]

NEW ORLEANS RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
611447	2/24	New Orln.	Request small army ammunition listed be furnished compass stations in 8th Dist. Fwd Orln 3/3 Ordnance 3/6 W. Fwd NO 3/9	W.
612796	2/23	New Orln.	Quarterly inspection report. W.	
613257	3/7	8th Dist,	Fwds recommendations cov increased economy and efficiency, district control station W. Fwds Dir Commns cc NO 3/21 RB 3/25 W. Fwds NO 3/31 RB 5/1 W. To NO- comments rel cc Dir Commns 5/13	
613850	3/13 3/14	Dept of Commerce Communications 908	Fwds copy of letter from Radio Inspr New Orln. rel to interference caused by Navy radio stations at New Orln Mobile & Port Arthur W. Fwds NO- cc Commns- NY 3/25 RB 5/31/22.W To sec of commerce (Asst Sec sig) Gives Action taken rel complainst New Orleans station W 6/15	

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N.S.E. Form 134.

NEW ORLEANS RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
614308	3/13	8th Dist.	Will make only such quarterly inspections as commandant deems nec - request travel orders be issued. W. Fwd Dir Communications 3/28 Communications 4/12 W.	
614782	3/9 3/21	New Orln. S&A	Request Titan storage battery be retained for emergency use. W. Fwds S&A 3/27 RB 4/17 W S&A- Request action. 5/15 W Fwds S&A cc NO 5/26 S&A 6/2 Request action W To S&A- disposition of storage battery 6/24	
614801	3/21	Y&D	Copy of telegram to New Orln. stating allotment 2601-10 will be mailed. W.	
617631	3/31	New Orln.	Ask if it is Bureau policy to furn furniture, bed linen, etc to radio stations for officer personnel. W. To NO- Gives info rel furniture 4/13	
621961	5/5	Y&D	Copy of letter to New Orln requesting reports on status of allotments chargeable to Engineering 1922. W.	

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[OVER.]

NEW ORLEANS RADIO STATION

Number.	Date.	From or To—	Subject.
603699	1 9	Y&D	Copy of letter to New Orln. stating approved credit card will be fwded. cov saving under allotment, chargeable to Engineering 1922. KW
604041	1/11	Y&D	Copy of telegram to New Orln. authorizng replace galvanized iron with copper. W.
605386	1/19	7th Dist.	30 KW arc set in commission. W.
606458	1/20	New Orln.	Burning out of magnet coils on 30 KW arc set- report cov. W. To MI Pug Snd- Reqst necessy instrns be issued ccTutuila- Cavite- Guam P H- Peking W 2/4 MI- Subm report 5/8 W
607093	1/24	New Orln.	Quarterly inspection report. W.

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N. Eng. 134

NEW ORLN RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
608183	1/23 2/3	8th Dist. Communications	Report cov station pump out of commission. W Fwd Dir Comms 2/9 To S&A Reqst shipmt of material from SO Washn to SO NO 9692 2/13 To S&A Reqst shipment of mat From Washn to NO 4/13 W	
608351	2/11	To NO	Magnet coils- Reqst forms of burned coils be fwded cc Washn W New Orln. 2/21 W To Washn-work will be done at naval station New Orleans-3;1-W	
610362	2/15	New Orln.	Quarterly inspection report. W. Fwd Navgn-concurs-2;24-W	
611087	2/23	New Orln. (T)	Request ship at once radio frequency amplifiering transformers. W. To N Orleans-does not desire repairs-2;27-W	

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[OVER.]

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NEW ORLEANS

1922

28-A

Number.	Date.	From or To—	Subject.	
599632	FROM CARD 28		New Orln. 12/29 W New Orln. 12/30 W New Orln. 1/2 W New Orln. 1/1 W New Orln. 12/31 W New Orln. 1/4 W. North Isl. 12/31 W North Isl. 1/2 W North Isl. 1/1 W North Isl. 1/6 (2 letters) W	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

NEW ORLEANS:

Number.	Date.	From or To—	Subject.
599632	12/6	N Orleans	Report on test ~~of~~ to determine relative advantages of Pt Isabel and New Orleans stations to relay between SanDiego and Balboa.W
		New Orln. 12/20 W.	
		New Orln- 12/21 W	
		San Diego 12/30 W.	
		San Diego 12/22 W.	
		North Isl. 12/23 W	
		North Isl. 12/21 W.	
		New Orln. 12/23 W.	
		New Orln. 12/24 W	
CARD		New Orln. 12/26 W	
28- A		New Orln 12/24 W	
		New Orln- 12/27 W.	
		New Orln. 12/28 W	
		San Diego- 12/29 W	
		North Isl. 12/25	
		No th Isl. 12/27 W	
		North Isl. 12/26 W	
		North Isl. 12/24 W	
		11th Dist- 12/30 W	
		North Isl. 12/28 W	
			8th Dist- Subm report on. 12/6 W
			New Orln. Subm further report 12/7 W
			New Orln. report on test. 12/8, W
			Point Isabel- 12/6- report on test. W.
			New Orln- Report on radio test. 12/11 W
			New Orln. 12/9 W.
			New Orln 12/10 W.
			New Orln. 12/12 W
			New Orln. 12/13 W
			New Orln. 12/16 W.
			New Orln. 12/15 W.
			New Orln. 12/14 W.
			11th Dist- 12/16 W (2)
			New Orln. 12/16- report of test. W
			New Orln 12/17 W
			New Orln 12/19 W
600511	12/12	New Orln.	Quarterly inspection report. W. To NO Recomdns appvd 12/20
600518	12/12	New Orln.	Quarterly inspection report. W.
601049	12/12	New Orln.	Quarterly inspection report. W.

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N. Eng. 134

NEW ORLEANS 1921

Number.	Date.	From or To—	Subject.	
601693	12/23	Fwd Dept	Storage of material for maintenance of Radio Station-- W Dept- Copy action to S&A 12/30 W	
601693	12/14	New Orln.	Direct keep radio station ~~in~~ material in stock fr stations of 8th Dsit. W	
			1922	
602634	12/31 VOID	Dept VOID (882--1)	Fwds beneficial suggestions by W. G. Ellis Radio Laboratorian cov super range variable condenser. W.	
501742	12/30	New Orln.	Fwds newspaper map of City with power lines in red pencil. W	876
603177	12/30	New Orln.	Ask when spare arc chambers will be furn New Orln. and Pint Isabel. W. To NO- plans not completed 1/7/22	

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[OVER.]

NEW ORLEANS 1921

Number.	Date.	From or To—	Subject.
,553433	3/1	New Orln.	Monthly radio report. W.
558514	4/14 4/15	New Orln. 8th Dist. 4	Quarterly inspection report. W. Fwd 8 Dist 4/25 RB-4;30-W
559939	4/25	To IM NO	Maintenance of storage battery;reqst instrns be issued as listed
562786	5/6	New Orln.	Fwds prints showing location of ducts on transformers with estimates. W. fwd New Orlns 5-19 RB 6/6 W. To N.O. 6-9 New Orln. (T) Rqst action. 6/9 W
565310	5/17	8th Dist.	Quarterly inspection report. W fwd Nav 6/10
570059	6/16	Y&D	Copy of letter to New Orln stating approval of credit cards will be fwded. W.
570328	6/17	Y&D	Copy of telegram to New Orln. authorizing increase in allotment. W.
577861	8-1	To S&A	Reqst shipmt of radio receiver from Wash to New Orlns W 8355

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N. Eng. 134

NEW ORLEANS 1921

Number.	Date.	From or To—	Subject.	
578973	8/1	New Orln.	Quarterly inspection report. W.	
582716	8/31	To NO	Radio material recommended for transfer W New Orln- reports action taken.9/12 W	
590501 o	10/11 10/15	New Orln. Y&D	Subm estimates cov repairs to New Orln radio sta. W Fwd Ids & Docks cc Key West 10/20	
591682	10/21	Y&D	Copy of endorsement to N.O. directing repairs to quarters & dormitories be charged to Engineering 1922 W	
592360 o	10/27	To NO	Maximum Wave length- adjustment of-Gives inform rel test cc Dir Communication W RB 11/18 W	
598387	11/29	New Orln.	Quarterly inspection of rdio and radio compass stations in 8th Dist; request temporary travel orders be issued to Lt. J.M. Kirkpatrick covering. W. Fwd Navign 12/9	

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[OVER.]

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821 NEW ORLEANS

1921

26a

Number.	Date.	From or To—	Subject.	
510429		SEE CARD 26	To IM N O Auths addnl expenditure of $690.00 W 4/1 New Orln. 5/20 W Shipt order from Wash to N.Orlns 6/8 7732	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
507414	7/22	8th Dist.	Request action in conn with request for preparation of building #24 as a residence. W.
507129	7-26	To N.Orlns	Allotment of $2300 made covering repairs in connection with ratproofing. WK copy Y&D Y&D- Copy of action to New Orln. 7/28 W
510401	8;4	N Orl	Request authority to repair pool table donated to station. W To NO 8-11
510429	8-10 Fwd S&A 11/23	To N. Orlns	Outline of work for year 1921, for stations 8th Dist. W Y&D- Copy of action to New Orln. W 8/14 To NO 9/15
510955	8/10	New Orln- Fwds reqsn. 1/8 W Fwd Y&D 1/31 New Orln- Rqst additional allotment be authorized 3/19 WK S&A	New Orln- Contract entered into with K&C Co. 11/15 W. Copy of endorsement to New Orln requesting comments on condition of 5 radio transmitting sets on hand, reported deteriorating. W.
52D691	9/27	New Orln.	Request spare parts listed be furn for over hauling 2 KW radio set. W.
521711	10/4	New Orln	Quarterly inspection report. W.
521710	10/4	New Orln	Request instrns covering care and operation of 2 KW set. To NO Fwds 10/12 W.

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N.S.E. Form 134.

NEW ORLEANS

Number.	Date.	From or To—	Subject.
523098	10/8	New Orln.	Request 4 audio frequency transformers be s shipt to New Orln. W. Shipt order from Washn to N.O. 10/19
523328	10/11	New Orln.	New underground over head antenna instln- fwds description of, with photos. W. To NO 10/18
524772	10/19	8th Dist.	Building 22 assigned to Gunner West, officer in charge. W.
535748	12/17	New Orln.	Quarterly inspection report. W.
539492	1/10	Y&D	Copy of letter to New Orln requesting inform rel to status of work on allotments listed at New Orln. and Point Isabel.sthtion. W.
547032	2-18	To N.Orlsn Tel	Rel change in meter arc wave. W New Orln- Copy- new arc wave 4650 meters. 2/19 W 8th Dis6. 2/21 W.
549403	3-5	To Comdt New Orlns	Comdr Hooper will visit station on March 15th W
549563	3/1	New Orln.	Request temporary travel orders be issued to Lt. KW Kilpatrick for inspecting radio stations in 8th Dist. W. fwd Nav 3-11

Number.	Date.	From or To—	Subject.	
485255	4/1	A. O'Brien	Subm report on inspection trip on New Orln Point Isabel, Galveston Port Arthur and Mobile Sta. W	876
487169	4-14	To N.Orlns (T)	Poms now indicate unable to receive any Balboa traffic, account static, make temporary installn, expenditure $50. auth. W	850
487827	4/13	New Orln	Request radio comp be assignment for use in training radio compass men.	W.
464313	4/6-15	New Orln	Subm revision of annual maintenance allowance, for main and outlying stations.	914
New Orl NSA 280	4-23	Fwd Y&D	New Orleans (Tropical) Radio Station Lawn mower. Re payment of.	
493989	5/12	NO	Recommends new underground antenna be installed for purpose of eliminating instln of temporary antenna. W. To N.Orlns- expenditure of 2475.00 auth 5/19 New Orln- Request special allotment $1400. 7/19 W To N Or. rel instaln auth 7/29	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
494784	5/18	8th Dist	Subm recommendations in conn with assignment of furnishings for team engineering radio buildings.	W.
497371	6-4 New Orln 7/8 New Orln 8/13 New Orln 9/4 To NO 9/23/20	To Comdt N.Orlns	Correction of arc wave length. W New Orln. Report on tuning of arc transmitte set. 6/16 W. To N.Orlns (T) rel test 6-28 To N.O. advise rel test schedule was trans 7/2	
499145	6/9	New Orln	Quarterly inspection report	W
485255	6/28	N.Orlns	Estimate covering construction of quarters 876	
504288	7/6	New Orln.	Request authority to paint radio stations; subm estimate. W. To N.O. repairs- auth expenditure 7/14 cc Y&D Y&D- Copy of action to New Orln. 7/22 W	
506606	7/17	New Orln.	Quarterly inspection report. W	
507128	7/19	New Orln.	Request authority covering expenditures in conn with manuf of spark antenna for. W. To NO auth granted make expd 7-28	
507126	7/16	A. Montle rel 848	Request wiring diagram or print of Navy standard transmitting set with charging panel W	

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[OVER.]

N.S.E. Form 134.

NEW ORLEANS: RADIO STATION.

Number.	Date.	From or To—	Subject.	
444782	9-6	New Orleans	Fwds photos of Naval Shore Station.	W
422769	9/15	To S&A	Reqst shipmt from Washington to New Orleans radio arc chamber for use arc set. W RB 4/12	
422770	9/15	To S&A	Req ship from Wash to New Orleans two radio storg batteries W RB 12/6 RB 4/12 W.	
446384	9-20	N O	P.O.M. report refers to Pt Isabel Sta. To New Orleans (T) 9/20 853	W
446392	9/20	To S&A	Reqst shipmt from Washington to New Orleans one arc loading coil W New Orleans-Reqst additional allotment of $1642.76 10;24 To New Orl.-Auth expenditure of $1642.76 10;31	
456679	11/10	To S&A	Reqst shipmt from Boston to New Orln radio receiving cable. W RB 12/20	

Number.	Date.	From or To—	Subject.	
461984	12/4	New Orln	Subm report of results obtained with new loading coil at New Orleans. W. To N.O. asks further report when alterations finally completed 12/9 copy Com	
462134	12/10	To N.Orleans (T)	Refer Major Barker one five naught naught six to marcorps from Pt Isabel radio period telegraph estimate of cost to construct barbed wire fence defence including sand bags mentioned. W N Orleans - copy - submits estimate -12/11	
463399	12/15	New Orln. (T)	Spark set out of commission due to faulty bearing; repairs completed. W. New Orln. 12/17 (T)- Spark set in commission.	
468556	1/2	New Orln.	Quarterly inspection report.	W.
468193	1/9	Y&D	Senatorial report regarding rat proofing of New Orleans Sta; submits estimates covering; EW	615-9
471917	1;19 To 4-21	N Orleans IM N.O.rel instaln meters	Quarterly inspection report.W To N.O. 1/30	
473211	1;28	N Orl	New Orln -Quarterly inspection report 4/15 Submits report of spark set being out of commission.W	W.

Number.	Date.	From or To—	Subject.	
432114	7/10	NO	Copy-Reqst instruc ref to keeping repair radio equip, asks if arrangements been made concerning the performance of work.	771
434401	7/23	To S&A	Reqst shipmt from Anacostia to New Orleans one airc radio amplifier W	
443682	9/5	To S&A	Reqst shipmt be made from Boston to New Orleans 1000 feet special underground radio receiving cable W New Orln. Material recd 9/20. 12/2	
437355	8;4	N O Copy	Asks if can furn relay key. W To NO Tel 8/6 To S&A Req ship from Boston to NO one radio relay key 8/11 RB 12/15	
439002	8;8	N O	Reqst auth to purchase bicycle for use at N O radio station. W To New Orleans- auth purchase of one bicyle 8/13	

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N.S.E. Form 134.

NEW ORLEANS RADIO STATION

Number.	Date.	From or To—	Subject.	
439725	8/15	To S&A	Req shipmt from Norf to New Orleans one Stahl Communtator rectifier W RB	12/15
439914	8;15	N O	Spark gap set out of commission, coils burned out. W	
439448	7/15	To Comdt New Orl	Rqst that the Indireact Charges also be included in the weekly reports of work. Y.	774
441160	8;16	NO Tel	Spark set not in operation. W	
441652	8;23	NO	Quarterly inspec report. W To New Orleans-Recs in con with material	8;28
443062	8;29	N O	Sub quarterly inspec report. W To NO- recommends in conn w report	9/4

[OVER.]

N.S.E. Form 134.

NEW ORLEANS : RADIO STATION

1919

Number.	Date.	From or To—	Subject.	
353411	5-16	To Indus Mgr NO	Yearly maintenance allowance of station should not be increased to cover invoice price of various equipment furnished in conn w experiments at, and establishment of, underground receiving and distant control station as cost of equipment in question should be covered by special allotment. allotm sum of $3,752.85 covering. W	
419380	5;15	New Orleans	Sub estimate of recs for repairs to New Orleans Station.	W
419382	5;14	New Orleans	Sub quarterly report of repairs with estimate New Orleans station.	W/9
		N O-Tel-Authority to instal two storage tanks. 6;11 To N O Tel 6-12	To NO- further info reqstd 5-21 to Trop Co	
		To Tropical Radio Tel Co- will not take any further action rel repairs reqst when work undertaken notify	To Tropical Rad Tel Co- reqst if desire repairs undertakne and what part or expense will assume 6-5 IM NO	Tropical Radio Co - 7;3
419298	5-19	To N Orleans Tel	5/9 To NO- quotes from letr Authorized dispense use Faraday Cage radio station as req period fwd report results obtained underground coil soon practicable period letter follows W To NO Tel 5-27	
			New Orleans-Tel-Test cannot be made unless spec allotment granted. 5;26	
			New Orleans-Tel-5;29 Reqst additional allotment. To NO Tel 5-29	
420620	5-23	N O Sta (T)	Rqst spec allotment $470. also auth to install electric and water meters - K-W To NO Tel 5-27	

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NEW ORLEANS RADIO

1919

Number.	Date.	From or To—	Subject.	
420502	5;17 5;21	8th Dist Com	Submits report and distant control stations placed in operation.	
422769 see	24			
421860	5;26	New Orleans	Recs two radio storage bat be sup to be used at New Orleans Cont Station. To NO- susm of 110 author 6-4	W
424333	6-11	To S&A	Req ship from Washn to N Orleans two radio bat	W
427653	6/23	To S& A	Req ship from Fleet Base to New Orleans one radio trans set. W RB 8;11 To NO- reqst upon receipt of material that be turned instore 7/1	
430674	7;2	N O	In con with test conducted by Lt Co Taylor on under gr rec system at Station.	W
431792	7;9 To NO (T) 10/6 New Orl 10/14 To NO 10/25	By Stand	Distant control station at New Orleans, fwds sketch and prints with detailed report of investigation of. To NO-req descrip be expedited 8/4 fwd NO 8/7 RB 10;14 NO-Fwds photos and desrip. (No date)	W

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NEW ORLEANS: RADIO

Number.	Date.	From or To—	Subject.	
402013	2;20 3;11	Lt J C Cooper Jr Com	Report of inspec of radio station 6, 7, 8th Dists between New Orleans and Wilmington N C To Comm 3-20	W
403204	3;14	New Orleans	Distant Cont Station, report with sketch and sug for. New Orleans-Tel-Req authority to proceed with construc of double faraday cage. 3;20 Sec Navy 3-20 re completion of cnt station- To Dept 3;20 RB 3;28 T o NO Tel 3-27	W
403935	3/15	New Orlaens	Radio receiver rec without detectors W	898
405475	3-20	N O	Fwds one antenna ammerter as instlled with short wave tel set unsat rec change W	902
409835	4;10	New Orleans Tel	Req 12 antenna current ammeters. To S&A req ship from N.London to N.O. twelve radio ahtenna current ammeters W 4-15 S&A-4:23 To S&A req canc SO 4-15 5-10	W

Number.	Date.	From or To—	Subject.	
411248	4;18	New Orleans	Test will be conducted on Monday. To No Tel 4-18	W
412306	4;7 4;16	8th Dist New Orleans	Quarterly inspection report New Orleans radio station. To Director Naval Com-Fwd 2;28 RB 4;30	W
411863	4-18 New Orleans 6;2 New Orleans-Weekly report 6;4	To N.O.	No reports have been recd from District Commun Supts. rep concernign improvements affected. asks fwd. W New Orleans-Fwds various reports with recs on 5;7 New Orleans- 5;14 Weekly report. N O 5/20- Circuit used for short wave spark reception- Fwds prints w report -	
414176	4;23 4;24	8th Dist NEWORELANS	Quarterly inspec report on NEW ORELANS radio station. To New Orleans -Recs in con with quarterly inspec report. 4;30	W
413871	4;28	TO S&A	Resqt ship from Wash to New Orleans of one medium wave receiver. RB 4/12 W	W
416922	5-10	To S&A	Req shipment from New Dondon to New Orleans twelve radio antenna current ammeters. New London Station 5;22 To N London- reqst 12 radio antenna ammeters be ship 5-24	W RB 6;10

NEW ORLEANS RADIO 1918

Number.	Date.	From or To—	Subject.	
310108	5-27	To Norf	Radio station N Orl- 2 selector switches shipped to- Mfcr and ship above--W	
315526	6/11	New Orleans T	Rqst auth to purchase in advance of Bu approval 65 horse power motor from Weil Elec Co for radio plant. W To N.O. (T) Authorized chargeable engineering 19171918. W 6/12 T. request authority to install 65 H.P. Motor submits estimate covering A To--- Asks if nec. to spend sum of $3300. recutd. 7/25 New Orleans submits estimate of 8;4	
328300	7;17	Y&D	New Orleans reqst allotment of $558.80 W To--- Amt. of $558.80 author. for repairs at Pt. Isable, Tex. 7/23	
187484		See Card 13	To Great Lakes. Reqts. that nec. arrangements be made for installation of motor generator. 8/6	
353441	10-1	To S&A	Rqst shipmt radio apparatus Wash to N Orls W To NO- reqs acknow receipt 3-1	
357219	10/11	To N Orls	Rqst info re radio condensers, W	882-1

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N.S.E. Form 134.

NEW ORLEANS RADIO STA

Number.	Date.	From or To—	Subject.	
360446	10/11	Naval Co.	Coast Guard Oct. 19 - proposed land line connection New Orleans to Berwood - fwds correspondence with recommendations in connection with W To Dept 10;23 back 11;22	
360448	10-23		Fwd Dept-bApproves installn of land line curcuit between N Orl and Pilottown	W
360445	11-27	Fwd Dir.Naval Communi.	Re construction of land line between N.O. and Pillotton, W To com 12;27 received back 1;16 To- Director Naval Com-Returns recs. 1;17	
390861	1;29	8th Dist	Req allotment for dist radio material organ to cov furniture, supplies, etc. To NO- re allotment for, 3-14	
400414	3-8 N O 6;30	To S&A	Reqst shipment from Washington to New O radio receivers, New Orleans 3;18 To N.O.- re shipment will be made4-10	3-28
400663	3-10	To New Orleans	Reqst report all stations covering last quar of 1918 W estimates of expdn for Work recom which require Bu action and repts mailed regularly in future-	

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[OVER.]

NEW ORLEANS: RADIO. 1917

Number.	Date.	From or To—	Subject.
262950	11/22	Comm Office Belmar	Distant patrol station New Orleans states experiments at Belmar indicate no danger in having two wires for underground receiving-submits recommendation. W
263055	11/17	Dist Com Supt, New Orleans	Fwds quarterly inspection report. W To New Orl--Reqt ests covering work. 11/26 New Orleans 12-12 To New Orl--Appvs ests as listed. 12/18 New Orleans 12-28
265002	11-14 12-4	New Orleans Marine Barracks C&R	Gives list of Marine Corps property loaned to Navy for use in different radio stations in vicinity of New Orleans. W Fwd S&A--12/10
239964	SEE CARD 18 N O - Rel to allotment for 2 propeller fillings W. To Y&D Allots amt. for sta. 8/28 To Y&D 8/30		To New Orl--Instrns re running conduit. 12/18 New Orl 12-28 New Orleans 1-3 To Y&D--Makes allotts. 1/15 Y&D 1-18
269071	12/26	To 8th Dist	Recommendations requested re establishing radio repair station at Galveston, Texas. W 8th Nav Dist 1-22 Fwd N Orl --6-1 received back 6;24
292917	3-27	Y&D	New Orleans - have allotted $41 for hot water line. W To--Makes allott. 3/30
293160	3/26	N Orleans	Reqt special allotment 1500 to cover supplies and furnishings for distant control radio station Domotory. To--Makes special allott. 4/3

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N.S.E. Form 134.

NEW ORLEANS: RADIO.

Number.	Date.	From or To—	Subject.	
299488	3-27	New Orleans	Forwards station routine report. W	
299266	4/4	N Orl	Distant control radio station gives estimate-submits reqn be expedited. Fwd N Orl--4-23	
305343	5/4 5/7	New Orleans Eighth Dist	Recmnds Delco engine and Generator set be installed in building known as wood shed. W To Ind Mgr N Orl Via Commandant- Makes allotment--5-14-	
306118	5:71 5:7	Belmar CANCELLED	Fwds report of test on under ground antenae system at distant controller stations with with detail comments on. W Fwd 5th Dist, 5-17 Received back 5:24 Fwd 8th Dist Via Trans -Atlantic -Belmar- To 8th Dist, re distant control radio sta 10-1 To NO. Battery charging unit will be furn. to replace gaso. engine dri. generator 10/2	
310105	5-25	To N Orleans	Rqst outline of radio organizations built up to meet requirements of installation of radio apparatus- W To N Orl- Rqst action letter above-6-7 New Orleans - Fwds outline of radio organization at station. W 6-13 New Orleans 6-12	

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[OVER.]

1917

NEW ORL: RADIO.

Number.	Date.	From or To—	Subject.
242933	8/8	To New Orl	Reqt information re trouble reported. W RB 8/25
244699	8/17	New Orleans	Purchase of landfor distant control station; states owners of property have always been willing to assist government and have held land for year and a half; recommend Bureau authorize payment for.W To—(T) No delays from owners will be tolerated.9/27 New Orleans 10/19 To Valley Realty Co—Acknowledges offer of right of way.10/24 To—Directs prepare recm.8/25 New Orleans (T) request action 8/29 To—(T)8/29 (T) Gives price demanded by property owners.9/27
245588	8/24	To New Orl	Reqt report and recommendation re radio station being out of commission. W RB 9/1
248342	9/10	To New Orl T	Reqt necessary data for supplying secondary coils Lowenstein Transformer. W. New Orleans (T) requested government bill of lading for shipment of transformer 9/11 New Orleans (T) states government bill of lading being mailed to Point Isabel today 9/13 To New Orl—Ask if Lowenstein has transmitted transformer at Pt Isabel transferred to NY for repairs. (T) 9/13
w249950	9/17	New Orleans	Fwds copy of proposed contract between owners of land in vicinity of Naval Reservation in connection with distant control radio receiving station.W Fwd Sol—9/21

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N.S.E. Form 134.

NEW ORLEANS RADIO STATION. 821

Number.	Date.	From or To—	Subject.
250134	9/18	New Orleans	Distant control station; fwds plans.W ~~To Y&D--Directs issue specns and advertise for bids .9/27~~
251721	9/18 9/27	New Orleans Comm	~~Comm System~~ Reqt automobile for use of officers on neutrality duty. ~~Fwd Nav Com--10/1~~ RB 10/30 ~~Fwd Y&D--10/31~~ Y&D copy of action taken 11/7
252239	9/29	To Norf T	Send 3000' standard shore station antenna wire to New Orl by express. Expedite. ~~To New Orl--(T)Gives action. 9/29~~
251741			RB from New Orleans 10/9
255720	10/19	Y&D	Fwds drawings showing receiving building and quarters for distant control station.W ~~To--Appvs plans.10/24~~
256976	11/7	To New Orl	Distant control and underground Antenna. Reqt report of payment for right-of-way, and copies of contr. W
239964	SEE CARD 17		N Orl--fwds copy of contract.11/12 ~~To Asst Atl Com Supt--Reqt rec as to right kind of wire to use and insulation for underground work.11/19~~ ~~To New Orl via Comdt--12/11~~ RB 12-26

To New Orl via Comdt--11/27
New Orleans 12-5
New Orleans underground antenns system for; fwds prints 12-6

CARD 19

4—3381

1917

✓17

NEW ORLEANS: RADIO

Number.	Date.	From or To—	Subject.	
232578	5-31	New Orleans	Reqt additional allot. for radio sta. for 1917.W To—Makes allott.6/11	
233471	6/13	Dist Supt T	Recommendations for distant control station completed, Lyon available for duty.W New Orleans fwds prints and rec.7/13	
233993	6/14	New Orleans	Distant controlled stations; fwds recommendations covering installations involving underground receiving antenna.W To—Appvs rec.7/16 (T) New Orleans (T) submits estimates 7/19	
233993	6-14	New Orleans	Underground radio system; result satisfactory; recommends be used for distant controlled station, New Orleans.	875
234372	6/19	New Orleans T	Distant control radio station; owners of land request definite reply as to whether government intends to purchase.W Fwd Sol--6/19	
237900	7/11	To New Orl T	Ask when plans,ests, distant control station may be expected. W New Orleans (T) states plans and recommendations forwarded June 12th 7/12	

N.S.E. Form 134.

NEW ORLEANS: RADIO. 821

Number.	Date.	From or To—	Subject.	
238961	7/18	To S&A	Reqt shipt of receivers from Wash to New Orl. W To---Reqst. shipt. of 7/18/17 be cancelled 2/5	
239492	7/19	To New Orl	Reqt information re breakdown reported July 16th. W New Orleans 8/9	
239964	7/20	To New Orl--Directs complete arrangements for right of way. Instrns.11/12 To New Orl--Directs make arrgts with underground antenna.10/12 New Orleans 9/13 To Dept--Reqt New Orl be auth to conclude arrgts with land owner for right of way of antenna.9/29 RB 10/9 N Orl-11/9.W New Orleans	~~J.J.Mayson for right of way for~~ Site for distant control station; states have received no reply relative to owners for right of way.W To Dept--Rec appvl of.7/26 RB 8/8 To New Orl--Detailed instruction.8/17	SEE CARD 18
240153	7/12	New Orleans (Personal) 632	Relative to ~~leave~~ for Lt Loftin and relative to distant control.W	
197222	SEE CARD 14		To New Orl--Reqt rec as to settlement of claims of owners. 7/24 To Sol--Fwds copy of above letter. 7/25	
240427	7/25	To New Orl	Grand Isle. Reqt rec for radio station at. W 859	
241703	8/2	To S&A	Reqt shipt of decremeter from Wash to. W	

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[OVER.]

N.S.E. Form 134.

NEW ORLEANS: RADIO 821

Number.	Date.	From or To—	Subject.
221890	5/14	To S&A	Reqt shipt of six buzzer sets from Wash to.W
228403	5/15	New Orleans T	Owners of ground for distance control station are willing for government to proceed developing site; district attorney proceeding examining title.W
229943	5-17	New Orleans	Maintenance allowance; rec for.W
223158	5/24	New Orleans	Gives information relative to current available.W To via Commandant Bu reqt information.5/17
230705	5/26	To New Orl T	Directs advise H.L.Lyon, replying his telegram check covering claim mailed yestereday, care of Dist Com Supt. New Orl.
231563	5/25	M Is	States 30 KW arc set for Point Isabel was shipped to New Orleans on April 9th.W
231826	6/2	Inspr Phila VOID	Recommends that batteries rated capacities be based on initial capacity actually delivered by battery on first official government test; based on Elec Stor Bat Co's order from the Western Elec Co for small batteries for telephone service.L
231880	?	New Orleans & Point Isabell	Maintenance allowance and outline of work for 1918 and 1919.W To—Gives action on work.9/11

NB—0120

[OVER]

NEW ORLEANS: RADIO

Number.	Date.	From or To—	Subject.	
216709	3-3 Fwd New Orl--5/3 RB 5-8	New Orleans	Site for distant control station; District Attorney unable to handle at present time; Yard not competent to handle legal points; request instructions.W. Fwd Sol--Reqt steps be taken to complete purchase of land. 3/6 To Sol--Reqt reply. 4/14 RB 4-19 Fwd Sol--4/21 Solicitor will inform Bureau as soon as question of title has been passed upon 4/30 W	
218545	3/15	New Orleans	Distance control station; fwds plan of V-Henecoert property, with unexecuted deed covering same.W Fwd Sol--3/21	
220303	3/30	Y&D	Request location be selected for radio buildings	913
197079	SEE CARD 13		To NY--Reqt reply to letter 3/7. 4/13 NY fwds copy 4/22 To NY--(T)Ask when set shipt New Orl. 6/26 NY - (T) Shipped June 15th - 6/27 Y	
222857	4/14	New Orleans T	Request action Dept has taken relative to purchase of site.W Fwd Sol--4/17	
213067	3/31 4/16	New Orleans S&A	Request quenched gap for 2 kw set.W. To S&A--Reqt shipt of spark gap.5/7 To NY--Ask which spark gap is shipt.5/7 RB5-21 To--Gives action.5/7 New Orleans states spark gap eas intended for the WACHLAS 5/4	
225051	4/26	Y&D	Fwds prints showing guyed masts for distant control radio station W Fwd New Orl via Comdt.4/30 RB 5-7 To--Appvs drawings.5/12 To--Directs discontinue activities along above lines.	

NB—0120

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NEW ORLEANS; RADIO

Number.	Date.	From or To—	Subject.
209991	12/29	To New Orl	Reqt comment on breakdown reported Dec 26. W New Orleans 1/6
210130	12-27	New Orleans	Leading in wire insulator recently installed in accordance with instructions has cracked.W To via Comdt--Reqn will be made for new insulator and necessary material. 1/9
210131	12-28	New Orleans	Site for receiving station; fwds plans ,etc.W.
210256	12-28	Lawton, PS	Gives description and price of land desired for distant control station.W
210605	12-5 1-6 Fwd Y&D--5/24	New Orleans Y&D	Break down service for radio service; estimates for leads and motor.W Fwd Y&D--1/8 RB 1-15 To--(T)No difference in results from use of insulated or uninsulated wire. 1/12 Fwd Y&D--3/7 RB 3-13 Fwd Y&D--4/9 RB 5-21
211322	1-9	New Orleans p	States yearly allowance inadequate. K To--Increases from $3000 to $5000. 1/16
211303	1/12	To S&A	Reqt shipt of audibility meter from Wash to New Orl. W

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N.S.E. Form 134.

NEW ORLEANS. 821

Number.	Date.	From or To—	Subject.	
211589	1-10	New Orleans	Inventory of property. W	
211800	1-17	At Coast Supt	Quarterly inspection. W Fwd Dept--1/18 Fwd Bd I&S--1/18	
211897	1-16	NY	5 kw transmitting set; understands part of material shipped from Seattle, Washn; still short transformers and quenched gaps W	
212038	1-17	New Orleans	Request Dept Justice instruct Dist Attorney New Orleans to take necessary steps to purchase land at Harvey.W Fwd Sol--1/22	
212612	1-23	New Orleans	Quarterly report of inspection; fwds estimate for carrying out recommendations.W To via Comdt--Appvs est. 3/7	
214880	2/15 Fwd Y&D--3/9 RB 4-11	To Y&D	Reqt plans for receiving room and operators' dormitory. W Y&D fwds plans of dormitory 2/20 Fwd New Orl--For comment and rec. 2/26 New Orleans fwds recommendations 3/3	
215076	2/17 Fwd S&A--5/14 RB 5-25 Fwd New Orl--5/28	To S&A	Reqt shipt of one main operating key for 30 K.W.arc set from NY to New Orl, W RB 3-9 To Wash--Auth manuf of keys.5/2	
216217	2-28	New Orleans R	Request special authority for two men to enter radio station for repairs.Y To--(T) Appvs. 3/1	

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[OVER.]

NEW ORLEANS: RADIO:

Number.	Date.	From or To—	Subject.
199182	9-13	To New Orleans.	Reqt recommendations with estimates for construction of emergency antenna to insure communication when telegraph lines are cut off due to storms. W To--Appvs est for manuf of secondary aerial. 9/23
199412	9-15 Fed Co trouble with 4000 meter wave 10/3 Fwd New Orleans--10/11 RB 10-20	To New Orleans.	Reqt information as to trouble developed when the arc set was used for transmitting on 4,000 meters. W RB 9/21 To Fed Tel Co--Quotes above; reqt steps be taken to obtain transmission on 4,000 meters wave length. 9/23
200063	8-22	Dr.LW Austin	Calculations on stength signals that may be expected from. W
20511	9/7	Dept.Commerce	Commercial companies New Orleans district complain interference new Orleans station.
200740	9-22	Washn	Request Bu approval of shipment of field set single type detectors to station.W Fwd New Or--Appvd. 10/3
203072	10/20 New Orleans fwds copy of letter to Y&D requesting enlargement of yd power plant to accomodate breakdown service radio station 12/5	To New Orleans	Reqt data on breakdown of radio apparatus.W New Orleans 10-26 To--Reqt infor as to advisability of install motor generator in radio sta. 10/30 New Orleans reports on 11-9 To--Comments on. 11/28
205841	11/18	To New Orleans	Directs plans of Distant Control Radio Station be drawn up, and copies fwded to Bu. W New O fwds tracing and prints showing proposed arrgt of buildings in plat at Harvey.11-27

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N.S.E. Form 134.

NEW ORLEANS: RADIO 821

Number.	Date.	From or To—	Subject.	
206335	11/23	To New Orleans	Reqt serial number of Kolster Decremeter shipt by auth of Bu letter May 26th, 1916. W RB 12-18	
197222	To New Orl--7/23 To Sol--7/20 Fwd Sol--1/2 RB 1-22 To New Orl--Comments on 1/4 To Sol--Reqt action be taken to see that land for radio station at Harvey is not purchased by any individuals. 5/18 To New Orl--(T)Ask if have commenced work 7/20	New Orleans (T) CARD 13	owners are willing for govt develop site immediately New Orleans (R) gives assessed value; register's office refuses to give selling value 11/23 To New Orl--(T) Directs offer $1500. If will not accept endeavor obtain another site. 12/6 New Orleans (T) Valley Realty Co accept Dept original offer 12-30 To New Orl--(T) Auth original offer. Disappvs carriage hire. 12/30	7/20) CARD 17
207203	12/4	To Y&D	Distant control receiving building for. Reqt capacity of all motors, be made as the smallest as possible. W	
208122	12/7	New Orleans	Reports on calibration of Marconi wave meters at station. W To--Reqt sheets be fwded to Bu. 12/14	
209087	12-13	New Orleans	Fwds copies of corres relative to purchase of tract of land near Harvy, La. for distant control sta. W	
209153	12-13 12-18	New Orleans R Dept	Owners decline to sell site for $1500; offer no counter proposals. W	
209131	12/21	To S&A	Reqt shipt of one 5 K.W. Wave changer from New Orl to NY. W	

NB—0120

[OVER.]

NEW ORLEANS: RADIO

1916

Number.	Date.	From or To—	Subject.	
186007	4-21	New Orleans	Plans for distant control radio station buildings Fwds.W	
174957	2/16	New Orleans	Outline of radiowork, 1917-1918; items which will require expenditures of over $5 00	6 04
186225	4/27	New Orleans	Request printsof all radio stores carried by Navy Yards	876
186941	5/6	To Dept	Recommends establishment of position of Expert Radio Aid at New Orleans; gives reasons for	635-3
To Norf--Instrns.6/8 Norf request instrns relative to disposition of motor generator from New Orleans 5/31				
187484	5-8	New Orleans	Reports receipt of materail for 5 kw sets NY to Norf and lists missing parts.W	
SEE CARD 20		Norf reports receipt; reqt instruns 9-26	To--Gives status of material. 5/17	
		To Norf--Radio motor generl0/2 will be held Norf. for disposition.	To NY-- fwds instrns for wave changer.5/17 To S&A-- reqt for shipment. 5/18	
188003	5-16	To New Orelans. (T)	18 audion bulbs shipped from Wash May 8th.W	
188143	5/18	To New Orleans	Radio stock; asks whether steps are being taken to carry stock as reqtd by 169880-876; asks if stock of audion bulbs is adequate	876
198229	9-7	To S&A.	Reqt shipment condifential locker from NY to New Orleans. W	

N.S.E. Form 134.

NEW ORLEANS: RADIO. 821

Number.	Date.	From or To—	Subject.	
191880	6-24	New Orleans R	Unable to communicate with NEBRASKA.W New Orleans ditto 6-28 (T) To & NEBRASKA--(R)Directs test on arc set. 6/27 New Orleans (T) unable to communicate 6-29 ditto (T) 6-30 New Orleans (R) gives audibility 7-12 New Orleans (T) reports 7/23 To--(R) Inform NEBRASKA test may be discontinued, 7/25	
192326	7-1	New Orleans T	Arc set will be out of commission several days. W	
192459	7-1	New Orleans	Western Union loop for, W	
196332	8/3	Wash	Request information re type of meter to be furnished for.W Fwd Wash--6 record of reqn refd to. 8/16 copy appended 8/22 Fwd Wash-- 9/7	RB
		To NY--Ask if trans set was equipped with wave changer. 3/7 To--Appvs est. 12/18		
197079	8-18	To New Orlenas.	Bu has reqtd shipment of 5 K.W. radio transmitting set to; reqt estimates for installation. W To S&A reqt shipment 8-19 (1) New Orleans recommends 9-20 New Orleans submits estimate 12/13	CARD 16
		To New Orl--(T) Ask whether site worth 804 or 84 per acre. 11/22 To New Orl--(T) Reqt compl infor.11/22 To New Orleans--(T) Instrns.11/18 Fwd Sol--Reqt action. 11/17		
197222	8-18	New Orleans	Recommendations and plans for simultaneous sending and receiving. W New O reqt convey	anwel223
		New Orlans reqt action 11-11 New Or. fwds plan 9-30 To New Orleans--Comments on.10/11 New Orleans fwds prints 10-9	Fwd Dept--Rec purchase of tract of land as recommended.9/21 To--Appvs recommendations. 9/22	CARD 14
197875	8-25	New Orleans	Recommends purchase of site 3-5 miles distant for transmitting station.W	
198129	8-28	New Orleans	Fwds prints of proposed addition to radio station to provide accommodations for district supt. W To New Orleans pppvd. 9-1	

NB—0120

[OVER.]

1916

NEW ORLEANS: RADIO.

Number.	Date.	From or To—	Subject.	
178846	2/10	Clark, G. H.	Reports on audion bulbs turned in by New Orleans	898
179211	2-10	New Orleans	Reqt that Arlington conduct tests to measure new wave length. W	
		To--(R) Gives wave length tuesday test. 3/1	To--(R) Gives schedule of test. 2/19	
New Orleans (R)		3-2 To New Orelans-3/3	New Orneals; reqt action (R) 2-28	
			To--Gives schedule. 2/28	
			To--(R) Repeat Tuesday and Wedneday. 2/28	
179849	2-21	New Orleans	Water leak developed in arc chamber jacket; necessary station to go out of com. W	
180779	3-2	New Orleans	Request remodeling of realy for transmitting arc signals. W	
			To--Wash Yd auth to manuf. 3/15	
180835	3-1	New Orleans	Auxiliary antennae for new 5 kw set; fwds plans. and estimates. W	
			To--Appvs. 3/7	
			New Orleans location ofpresent and recommend 3-13	
		To--(R)	What is maximum transmitting wave length. W	
181350	3-12	New Orleans	Replies. W	
			To NY--Reqt est for manuf of 10 helices for use as add locaing coils. 3/14	
181525	3-13	TO New Orleans	Asks if loading coils arrived from NY. W	
			New Orleans; yes and installed (R) 3-14	
181603	3-13	To New Orelans. (R)	Wave length today&s test 6000; use longest wave possible. W	

N.S.E. Form 134.

821 NEW ORLEANS: RADIO:

Number.	Date.	From or To—	Subject.	
181699	3-15	To New Orelans. (R)	Should motor for motor generator of 5KW radio set be single phase 60 cycle110 volts. W New Orleans (R) recommendations 3-16	
182516	3-24	To New Orelans.	Equipment of station for simultaneous sending and receiving; reqt recommendations covering site for: directs test be made to determine practicable of site. W	
182745			New Orl in full com; unable to communicate due heavy storm. 3-25 (T)	
182913	3/28	To Y&D	Distantcontrol for Charleston, Key West and New Orleans; Bu taking steps for obtaining necessary land transfers for purposeequipping stations for operation by distant control	807
185898	4/10	To Yds	Reqt copies of shipboard standard radio plans be furnished Olongapo and New Orleans	876
184702	4-15	To New Orlenas.	Plans for distant control radio station buildings; fwds for comment. W	
185001	4-19	To S&A.	Reqt shipment arc transmitting key from Wash to. W	

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[OVER.]

NEW ORLENAS: RADIO:

1915

Number.	Date.	From or To—	Subject.
169523	10-27	To S&A.	Reqt shipment loading coils from NY to New Orleans. W
171162	11-13	To S&A.	Reqt shipment ~~xhi~~ one 6-volt 80-ampere hour Edison storage battery to New Orelans' W
172439	11-24	To NY.	Transmitter transformers for New Orelans & Boston; reqt be furnsihed transformers wtih radio motor generators now being furnished. W NY no suitable transformer available 12-2
174015	12-16	TO S&A	Reqt shipment Telefunken motor generator to NY 12-16
174758	12/21	New Orleans	Reqt a new low power set.W To--Bu will furnish set for; prepare plan of installation with estimates. 12/28
175113	12-31	To New Oreleans.	Unable to work arc schedule; reqt report with recommendation to prevent reoccurence.W RB 1/13 To--Oil engine generating set will be installed when funds permit. 1/18 RB 2/23
175849	1-10	To New Orleans.	Canal Zone reports difficulty in rereiving New Orelans arc signalsp aks steps taken to correct trouble. W
175957	1-11	Fwd NY.	New Orelans asks probable date completion and shipment of extra inductance coils.W RB 1/15 Fwd New Orelans--1/15

N.S.E. Form 134.

821 NEW ORELANS: RADIO:

Number.	Date.	From or To—	Subject.	
176317	1-15	To New Orelans.	5-K.W. spark set; daily report "not rec'd" may be discontinued. W	
176890	1-22	To New Orelans.	Lists radio receing equipment to be furnished station; asks what receivers now at station in excess available for transfer. W New Orleans; gives data on equipt 2-1 To S&A-- Reqt shipment receiver from Wash to New Orleans. 3/9	
177091	1-21	New Orleans	Reports steps taken to overcome difficulty in communicating with Canal Zone. W	
177327	1-28	To S&A.	Reqt shipment 6 Hudson filament bulbs from Wash to New Orl. W	
177518	1/26	New Orleans	Givesreasons why their yearly allowance of funds should be increased	914
177542	1-29	To S&A.	Reqt shipment bulbs from New Orelans to Washington. W	
178472	1-30 2-8	New Orleans Communication office	Reports difficulties in getting messages thru in explanation of duplicating commercial message Fwd Rad Ser-- 2/11	
178635	2-9	To S&A.	Reqt shipment copper wire from NY to New Orelanes. W To New Orl--Have reqtd shipment of copper wire for use in constructing a ground system at station. W 2/10 New Orleans expenditures for elec current have exceeded yearly allotment 2-14	
		To New Orelans--Gives allowance $3,600. 2/21		
178785	2-11	To S&A.	Reqt shipment 15 audion bulbs from Wash To New Orl. W	

1916

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[OVER.]

NEW ORELANS: RADIO: 1915

Number.	Date.	From or To—	Subject.
165039	9-4	To S&A.	Reqt shipment of radio condenser from Wash to New Orelans. W
165044	9-4	To New Orelans. (R)	Gives results of Saturday test. W
165239	9-7	New Orleans T	Chief Elecn Scanlin duty completed; services no longer required. W To--Have reqtd Scanlin be detached.9/8 To Nav--Reqt orders for temporary duty at Key West. 9/8
165254	9-3	Scanlin, J.W.	Repor s on tests,etc.
165255	9-7	Crenshaw	Reports on tests.W
165386	9-9	New Orleans T	Reqt express shipment of 4 additional inductances, coils, one audibility meter, and head telephone.W To--Have reqtd shipment of material.9/10 To S&A--Reqt for shipment.9/10
165399	9-7	New Orleans	Submits list of apparatus required for permanent installation of new 30 kw set.W
165602	9-6	Scanlin	Reports on progress?W
165825	9-11	Scanlin,	ditto
166011	9-16	NY	Fwds print of Locke insulators supplied.W. To--Should be supplied New Orelans.9/17
166218	9-2	Scanlin T	Reports results of test with Darien and Arlington; changes necessary Federal Receiver.W

N.S.E. Form 134.

NEW ORLEANS: RADIO: 821

Number.	Date.	From or To—	Subject.	
166588	9/9 9/10	Scanlin "	Reports on breakdowns at station. W	
167842	10-6	New Orleans	Chief operators quarters; furniture for; submits list; reqt be placed on annual cont or furniture.W Fwd Y&D Via WC-- 10/11 RB 10/20 To New Orleans 10/21	
167054 167680	9/30 10/4	New Orleans T "	Damage by storm	615-9
168196	10-13	New Orleans	Low power set in commission	
168305	10-12	New Orleans	Low powered station; out of com.W	
168645	9-27 10-14 10-18	New Orleans Y&D Dept	Old radio building; reqt authority to expend $500 to make into quarters for Commandant's clerk.W Fwd NO--For comment and rec. 10/22 RB 10/28 Fwd Dept--11/1 RB 11/4 Fwd Y&D-- 11/5	
169481	10-23	New Orleans	List of furniture required for chief operators quarters. W Fwd Y&D--10/28	
169588	10-26 To-- 11/6	Crocker Wheeler Co	& GREAT LAKES; 5 kw motor generator sets for; output request if other than 500 cycle output generator end will be acceptable.W To--Will not be satisfactory.10/28	
169647	10-26	New Orleans	Understands quarterly allotment is not to cover original installation.W To--Understanding correct.10/30	

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[OVER.]

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NEW ORLEANS: RADIO.

Number.	Date.	From or To—	Subject.
163699	8/18	New Orleans T	Reqt early shipment of an aerial ammeter to replace one burned out; reqt full instructions for arranging aluminum cells.W To(R) 8/19
163589	8-17	New Orleans	Reports trouble with solinoid; hot wire ammeter burned out.W condensers TO (T) substitute paper 8-18 To NY and New Orleans and S&A--reqt shipment of ammeter to New Orleans and return of one now installed to NY for repairs 8/19
163784	8/19	To New Orleans	Gives results of Thursday's test.W
163960	8/20	To New Orleans	Gives results of Friday's test.W
164231	8-21	New Orleans	Reports on test during week starting Aug 16. deficiencies,etc.W
164178	8-24	To New Orleans (R)	Reports results W Hot wire ammeter shipped 8-23 W
164433	8-24	New Orleans	Estimate and recommendations for location of station for simultaneous sending and receiving. W To -- instructions 8-28 New Orleans fwds map 9-1
164621	8-28	New Orleans	Reports on test of new radio app.W
164620	8-27	New Orleans	Reqt station be provided with modern 5 kw radio ser.W New Orleans 9-3.
	To S&A--Reqt shipment.8/31		To--Have reqtd shipment of material for.8/31
164614	8-25	Scanlin, J.W. Personal	Re tests.W To NO Via Rad Ser--9/7

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NEW ORLEANS. RADIO 821

Number.	Date.	From or To—	Subject.	
164477	8-28	TO New Orleans	New radio station; if is operating sufficiently to carry on regular schedule	
164694	8-31	To New Orelans-Darien.(T) New Orleans T	Gives results of tests. W Neither Darien nor Arlington yet heard. W Darien Replies. 9/1	
164577	8-30	To New Orelans.	Auxiliary radio set; recommendation re installation of 5-KW 500 cycle radio spark transmitter. W	
164981	9-19	Scanlin,, J.W	Reports on progress of work,etc.W	
165055	9-3	Arlington R	Darien failed to make test Sept 3	
165093	9-3	New Orleans	Reports on maximum wave length of station.W	
165094	9-4	New Orleans	Submits report on tests week Sept 3	
164975	9-3	To New Orelans. (T)	Heard no test today. W New Orelans (T) No test held. 9-4	
165116	9-5-6	Crenshaw	Test reports W	
165158	9-7	New Orleans R	Darien signals; no trouble reading; no way measuring audibility.W	

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[OVER.]

NEW ORLEANS. RADIO

1915

Number.	Date.	From or To—	Subject.
159161	6-29	New Orleans T	Power line and water line not yet extended to radio station; electrodes missing; W
	Fwd Y&D-- 7/28 RB 7/30		To--(R) Have reqtd shipment positive arc electrodes to. 6/30
			To S&A-- Reqt for shipment. 6/30 RB 7/22
159189	6-29	To New Orleans.	Asks data on opening of new radio station; G.H.Clark will be detailed to makes tests of installation. W
159289	6-30	To S&A.	Reqt shipment 5 copper positive electrodes from Wash to New Orelans. 6/30
159332	6-28	New Orleans	Reports shortages in radio apparatus received; reqt authority to remove motor from chopper.W
			To S&A--Reqt shipment of apparatus from NY to. 7/1
			To--Missing arc apparatus taken up with M. Is. 7/1
			To M.Is-- Re missing apparatus. 7/1
			To Brook-(R) When will insulators and lightning switch be ready shipment.7/26
			NY (R) Shipped July 12. 7/26
			New Orleans 8-10
159651	7-3	New Orleans R	Summarizes status of deliveries, contracts, etc. in connection with opening.W
			To--(R)Gives instructions. 7/9
159738	7-6	New Orleans T	Electrodes for new radio set; found.W
160475	7-1	New Orleans	Reqt station be adjusted for 600 meters. W
	7-12	Supt Radio	Fwd NO--Instructions re adjusting.7/19 RB 8/16
			ReTo Supt. 8-17
160583	7-15	To New Orelans.	Test of new radio set; instructions re test after set is commissioned. W

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821 NEW ORELANS: RADIO:

Number.	Date.	From or To—	Subject.	
161067	7-20	To S&A.	Reqt shipment of wavemeter from NY to New Orelans for use at new radio station.W	
161166	7-19	New Orleans	Reports breaking of straps holding new aerial; will delay putting station in operation until a few days after Aug 15. W	
161776	7-28	To New Orelans.	Leading in insulators and lighting switch were shipped from NY. W	
162848	8/5	New Orleans	Elec current for radio station; relative to services called for under reqn #1; recommends competition be waived and contract awarded to the Algiers R.& L.Co.W&R	
162737	8-6	To New Orelans. (R)	When will station be in operation; desire servies of Scanlin elsewhere. W New Orelans (R) Will be in commission Aug. 15th. W 8/7	
	8-6	To New Orelans.	Reqn #3; auth use of radio receiving sets now at station. W-R	
162967	8/9	Y&D	Fwds corres relative to power for station.W	
163020	8/2	Chf Elec J.W.Scanlin (Personal to Mr. Hooper)	Conditions at New Orleans Station, also touches on Brownsville tests, etc.W	
163434	8-6	Scanlin, J.W.	Reports on status of.	

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NEW ORLEANS: RADIO

1914

Number.	Date.	From or To—	Subject.
143086	12-26	Chasn	Reports inspection.W.
		1915	
144393	1-12	Y&D	Fwds report stating that 300' towers and buildings practically completed Jan 1.W
145592	1-25	Y&D 2131	Operators quarters and dormitory.Tracing. W To-- Returns appvd· 1/29
147247	2-11	New Orleans	Asks re machinery to be furnished for.W/17 To--Navemrefd to Dept for decision. 2/17 To NPO-- Reqt copy contract 55 be fwd to New Orlenas· 2/17
147890	2-19	--~~Rela~~- New Orleans	Relative to elec power required for radio station.W To--Comments on· 3/4
148674	3-3	To New Orleans.	Have reqtd shipment from M.Is of one 30-k.w. arc set. New Orleans all material on way except aerial 3-22 To--Have reqtd shipment of spreaders from Bost· 3/27 To Bost--3/27
149446	3-11	Y&D 2076	Additional compensation for changes to radio towers.W
150040	3-15 3-18	New Orleans Y&D	Asks probable date of delivery of insulators and adjusting blocks for towers.W Fwd Y&D-- 3/27
151004	3-25 3-29	New Orleans Y&D	Radio towers; lightning protection; est.W Fwd Y&D--Auth alootment for· 4/1

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NEW ORLEANS: RADIO. 821

Number.	Date.	From or To—	Subject.	
151299	3-30	New Orleans	Reqt Bu prepare reqn for all necessary material for radio. W To--Fwds copy 152776-821. 4/23	
152776	4-20	To S&A.	Reqt shipment of certain radio apparatus to New Orleans. W	
155339	5/18	Y&D	Fwds proposals for quarters and dormitories. W Fwd Dept--Concurs in rec. 5/22 Solicitor cont awarded to L.F. Alexander 5-27 Fwd Y&D-- 6/2	
155217	5-18	To New Orelans.	Chief Elec J. Scanlin: has been ordered to station in connection with installation of radio equipment. W	
155423	5/14 5/19	New Orleans Y&D	Estimate for installing turret operating platform for radio towers. W Fwd Y&D--Appvs. 5/21	
156971	6-3	New Orleans	List of material necessary before station can be operated. W	
157013	6-3 6-7	New Orleans Y&D	Radio operating platform and lightning protection for towers; fwds reqn to cover. W To--Appvs reqn for; comments on. 6/15 To NY--Connectors not rec'd. 6/15 To S&A-- Trace connectors. 6/15 RB 6/23 To Y&D-- Fwds copy above. 6/15 Fwd S&A--6/24	
55	6-5	To N.Y. & M.I.	Arc. apparatus - send plans of	629
158487	6-19	NY	Relative to delay in delivery of insulators. W	
159005	6-26	Y&D	Copy of cont with L.F. Alexander for quarters and dormitories. W	

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NEW ORLEANS: RADIO

Number.	Date.	From or To—	Subject.	
124307	5-5	New Orleans	Modernizing of: Algiers R&L Co. can supply either DC or AC current; 2 cottages available for quarters. L Fwd Y&D for comment and rec.5/7. rb 6 27 Fwd Dept rec new building for housing force.7/10. RB 7 23 appd Fwd Y&D.7/23. rb 7 28 To Y&D-- Regs submission of plans for. 10/1 rb 10 21 To Y&D--Returns appvd plans. 10/24	
125094	5/15	Chas.	Report of inspection.W	
No #	5-21	Fwd Dept	SE reqn 91 two 30 KW sets for. W	
127145	6/12	To Algiers Ry & Lighting Co N.O. gives rate for light 6-25	Re supplying power.W To New Orleans 6/12 New Orleans Ry Co.price quoted for current subject to large discounts if large quantity used.W To New Orleans Ry--6/22	OVER
127492	6/15	Y&D 10182	Fwds proposals for two 300 ft.steel towers.W Fwd Dept--rec award 6/16	
128663	6/12	Fed Tel Co	Caimito; Neither South City nor Honolulu able to test June 14th; New Orleans and Great Lakes ask point of delivery power machinery for 30 kw sets.W	851
128023	6/22	Y&D 2081	Building for; submits bids; recommends award to Henry Monk.W Fwd Dept--concurs 6/23	
128827	6-29	New Orleans	Out of comission; struck by lighning. W	
128945	7-1	Y&D	& GREAT LAKES radio stations; fwds copy of contracts 2076 and 2077 for tower; have requested inspection by Inspr Pitts.W	
129792	7/13	At Com Co	Reqt opportunity to bid on high powered station	853

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NEW ORLEAns; RADIO. 821

Number.	Date.	From or To—	Subject.	
130261	7-18	Y&D 2076	Fwds copy of contract with H.Monk for tower.W	
127145		SEE OTHER SIDE	To New Orleans S&G Isle Ry Co.comments as to cost for electric power.7/24.	
131336	7-28	Algiers R&L Co.	Current supply, prices,etc.W To---terms satisfactory.8/13.	
131546	8-3	Chasn	Report of inspection. W.	
134559	9-15	Y&D	& GREAT LAKES: radio towers; insulators for stays; fwds copy of reqn. W	
134828	8-24 9-19	New Orleans Y&D	Chief radio officer reqt quarters at station.W Fwd Dept-- 9/21	
139275	11-10	Y&D 2076	Radio building; fwds print of plate glass window panel; asks size of hole required for insulator.W To-- 4-5/8" hole required. 11/14	
140410	11-24	Y&D	Relative to power for.W To--Instructions. 12/4	
141715	12-8	Y&D 8959	Returns corres; do not intend to increase power plant at station; estimate for transformers switches,etc. in connection outside current is used. W. Fwd Dept--Comments. 12/11 RB 5/3 Fwd Dept--Recommendations. 5/19	

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NEW ORLEANS: WIRELESS.

1913

Number.	Date.	From or To—	Subject.	
98026	6/9	To Dept.	& Pensacola; requests radio stations be placed under direct control of Comdt, Chas.	827
99168	6-9	Chasn	Report of inspection.W To---material mentioned in par.4(a) should be retained at New Or. 6/11.	
99388	6-10	New Orleans	Asks best time to shut down station to change transformer.W Fwd Chas.rotary spar gap has been ordered but shipment delayed indefinitely.6/14. To Chas.& S&A.request shipment order be canceled.6/20.	RB 6-20
103054	7-24 8-4	New Orleans Chasn	35 kw transformer received from Key West b short circuited.W To New Or. To S&A.reque t shipment of to Chas.8/7.	
103931	8-18	Chasn	Report of inspection. W	
104034	9-20	Chasn	Transformer burned out; station out of com.W (T)to-New Orleans,(R)to---15 kw transformer shipped today.Directs procure oil.--To S&A.request shipment.8/21.	
104101	8-21	Bd.Insp. Shore Sta	Recommends more efficient set be installed for transmitting messages to Gulf Mexico.W Fwd Dept via Supt.Radio.comment.8/22	
104333	8-25	New Orleans; T	Transformer arrived; Exp.Co. refuse to del.W Fwd S&A.8/25	

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NEW ORLEANS: RADIO 821

Number.	Date.	From or To—	Subject.	
109042	10-27	New London	Estimate for repairs.W Fwd Chas.for rec.10/29. RB 11 10 To New Or. via Chas.appd.11/10.	
109360	11/3	Dept	& PENSAcola: reports of Bd Inspn for Shore Stations, fwds for comment	827
109686	11-1 11-5	New Orleans Chasn	Reqt. b supplied with 3 fields for motors.W Ret Chas.appd. ~~11/8~~ directs prepare reqn. 11/8	
110672	11-15	Chasn	Report of inspection.W	
		1914		
~~113672~~ 115659	1-17 1-20	New Orleans Y&D	Gives reasons for requiring head telephone set for radio; appears on Y&D reqn 11.W Fwd Y&D.comments.1/26.	
120097	3-14	Chasn	Inspection.W	
120392	3-12 3-18	Chasn Bd Inspr Shore Sta	Report of inspection.W Fwd Dept.3/21	
120491	3-16	New Orleans; Fwd.Y&D 4/21	Report of inspection.W Fwd Supt.Radio. for opinion as to necessity of improving range,etc.3/23. RB 3 31 Fwd Dept with rec.4/16. RB 4 20 To Charleston4/21	
121556	4-4	New Orleans T	Reqt authority to purchase material for packing storage cells for shipment to M.Is.W Fwd S&A.rec purchase.4/7.	

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Number.	Date.	From or To—	Subject.
84708	12/10	To S&A	Request shipment. Washn to N.O., of a Federal Telegraph Co. radio receiving set, for use in connection with tests with Arlington.W To Washn via S&A. Request shipment. 12/12.
			1913
87816	12-31	New Orleans	Description.W.
"	1/7	do	Quarterly report.
87818	1-7	New Orleans	Fwds sketches showing changes made in connection ith handling commercial messages, authorized by Bureau Fbe.8th.W
88551	1/25	To Dept via Y&D	Request authority to operate the D.C. power plant at navy yard for purpose of charging storage batteries at radio station.W R.B. 2-8 To New Or. directs storage batteries be placed out of commission. 2/3.
90862	2-21	New Orleans	Report of inspection. W.
91233	2/25	New Orleans	Submits estimate for placing storage batteries out of commission.W
91993	2-21 3-8	New Orleans Dept 12479-422	Report of inspection; recommends flooring of operating room be braced; new building not deemed necessary.W Fwd New Orleans. Request rec and est for work. Asks as to availability of yard coal. 3/10. R.B. 3-25 To New Or. Instructions. 3/31.

N.S.E. Form 134.

NEW ORLEANS: RADIO 821

Number.	Date.	From or To—	Subject.
94132	4-2	New Orleans	Reports on plasing storage battery out of commission.W.
94464	4-7	New Orleans	Reports transformer becomes very hot.W To---& S&A.reqst shipment of transformer from Key West for trial.4/10.
94882	4/12	To Washn and S&A	Request shipment of two rotary spark gaps, one to New Orleans and one to Pensacola.W To Washn.& S&A.Reqst shipment of two spark gap motors to New Or.and Pensacola. 4/16. BLKB 7/18 Washn RB 7-19 Washn
94897	4/14	To Chas via Nav.	& PENSACOLA:directs quarterly inspection of material, and maintenance of stations, be assumed by Chas.yard.W
95251	4/17	New Orleans R	Request Key West be ordered to ship reactance radiator with transformer.W To S&A--Reqt.shipment 4/18
96061	4-22 4-29	Chasn Supt.Radio	Reqt. radio officer be added to complement of yard in order to carry out order to make inspection Pensacola and New Orleans.W Fwd Nav. appd 5/1
98885	6-6	New Orleans	Aerial mast; struck by lightning. W
98959	6-7	New Orleans R	Station in commission.W

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NEW ORLEANS: WIRELESS: 1912

Number.	Date.	From or To—	Subject.
58416	1/10	New Orleans	Reports non receipt of relay sending key and volt and ammeter; reqt. Nov. 29. W To NY. Refers to 54900-821. Dec 2d., and asks if shipment has been made. 1/23. To---Quotes NY yard's endorsement. 2/3.
60239	1/27	NY	Status of wireless material for. W
60336	2/2	New Orleans	Reqt. thermometer. W To NY. Directs furnish. 2/5. To---NY to furnish. 2/5.
62517	2-29	NY	Reports shipment of voltmeter and relay sending key. W
63380	3-9	WHEELING	Reports inspection of. W To---Future spcfns of radio shore stations to be in accordance with Spe. Order. #98. 3/12.
63478	3-11	New Orleans	A.C. ammeter received registers up to 150 amperes; stations using 240. W To---S&A. fwd NY. Request shipment to NY. Directs NY supply ammeter registering up to 250 amperes. 3/15. RB 3-20
64869	3/29	New Orleans T	Wireless aerial blown down; station out of commission. W
64920	3/29	New Orleans T	Wireless station in commission. W

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NEW ORLEANS: WIRELESS. 821

Number.	Date.	From or To—	Subject.	
66090	4/11	To New Orleans.	Concerning allotment of $695.50. 1st endorsement received without letter; request further information.W BLRB 4-15 To---directs fur.GSK.Chas.with stub regns. 4/16.	
69569	5-22	New Orleans	Reqt.A-C fans for.W Fwd Chas.directs furnish.5/25. RB 6-4	
72119	7-8	New Orleans	Quarterly report inspection/ W	
73344	7/12	New Orleans	Request repairs to volt meters.W TO --- instructions. 7-16 TO S&A reqt. shipment 7-16 Fwd Chasn. 7-16 RB 7-24	
83141	11-21	New Orleans T	Tranformer broken down; stations out of com.W (T)to---Asks if transformer can be repaired by station force.11/21. To NY.Asks if can supply new from stock.11/22.	
83177	11-21	New Orleans	In commission. W	
83616	11-23	NY	Transformer for; reqt. additional data re size; believes has one instock. W To---requests that shipment of J-4 coil be not shipped.11/27. NY transformer not yet shipped.11-29	
84356	12-4	New Orleans	Reqt. supply of Leyden jars.W To---& S&A.shipment requested from NY. 12/7.	

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NEW ORLEANS: WIRELESS:

2

Number.	Date.	From or To—	Subject.	
48691	9/13	New Orleans	Articles required for station.W Fwd S&A From NY. 9/16 TO -- T. be fur. from NY except jar rack. 9/16 RB 10-11	
48999	9/20	To NY	& PENSACOLA in structions for mfr of secondary coils.	827
49814	9/24	New Orleans,P.O.	Reqt. instructions re uncompleted reqn. for elec. power for wireless station.W. Ref. Y&D continue r eqn. plant not shut down 10/2	
50343	10/4	New Orleans	Quarterly report inspection.W	
51387	10/18	G.H.Clark T	Battery jars not suitable; reqt. additional.W To S&A,New Or. (T)to New Or. Shipment requested.10/19.	
51893	10/23	Todd, Lt.Comdr	Report of inspection.W.	
52034	10/28	To Brook. T	Spark gap. Directs shipment Oct.30th.	827
52456	11/1	To New Orleans.	Fwdg copy NBA Bu reqn 168, for 2 wireless spark gap blowers.	
52682	11/2	New Orleans	States received 50 jars without contacts; reqt. 100 contacts be shipped by express.W (T)to---Contact will be shipped; reqst. by wire date of completion of jar racks.11/4.	

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NEW ORLEANS: 821

Number.	Date.	From or To—	Subject.	
52709	11/4	New Orleans	50 battery jars and 100 contacts reqted. W	
53614	11/15	To Washn & S&A	Telefunken series gap and rodler inductance, four leyden jars and one D.C.motor. Reqst shipment to Washn W.T.Sta. for experimental use.W To S&A-States two boxes and motor recd and held by Adams Exp.for charges $32.92. addressed to G.H.Clark.11/24.	
54187	11/18	Clark, Geo.H.	Reports on installation.N.	BELOW
54887	11/15 11/27	B.F.Sturtevant Co. S&A 117219	& PENSACOLA STA: recovering of order for wireless spark gap blowers.W Fwd Pensacola-Note and sent to N.Orleans.12/12. RB 12-21	
54900	11/29	New Orleans	Request new relay and sending key.W To--Appd: manfd at NY, and has recd shipment of voltmeter and ammeter.12/2. To S&A-Recd shipment of voltmeter and ammeter from NY.12/2. To NY-Directs manf of relay sending key, and shipment of meters.12/2.	
55428	12/7	To New Orleans	Working of relay key in station; if satisfactory on alternating current, will not be necessary to use storage batteries. W	
53614	ABOVE	BL	RB 12/9 Delivery made at Washington Yard Fwd S&A-Noted.12/11.	
56214	12/ ?	New Orleans	States relay key will work with alternating current.W 1912	

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821
NEW ORLEANS W.T. STATION.

1

FILE No.		From or To— (Dated)	Subject.	
28412	1/3	New Orleans	Quarterly report on	
33457	3/7	From	ANTENNAE: gives radiation	875
35078	3/28	N.O. W.T.	REC. & Sending: tunner & receiver: reqt specf covering in connection with preparing specfs for new.	898
35975	4/8	New Orleans	Report of quarterly report inspection. W	
Survey	4/29	To New Orleans	Approves use of Telefunken tuner and receiver for experimental work. W	
43606	7/10	New Orleans	Quarterly report inspection.W.	
45387	8/2	New Orlenas	Reqt oscillation transformer for use in connection with standard calling wave length. W Fwd NY. Reqst recommendation.8/5. RB 8-16 To---Asks if arrgts can be made to charge battery outside of Naval Sta. Reqst report on condition of battery.8/16.	
46985	8/12	New Orleans 121	Can secure current from outside source: Commandant recommends abolishment of station. W Fwd Dept.Reqst continuance or discontinuance be considered.8/29. R B 9/9 retain. See below	
47377	8/25	NY 2761-5	Reqt. authority to make secondary coil for. W Ret---appd.9/1. RB 9-7	
48015	9/5	NY 761-6 Tel N.O. 9/7	Will make secondary coil for transmitter: will permit use of wave length up to 1300 meters.W Ref. N.O. 9/8 RB 9-15	
46985		see above	Arrange to supply outside current	

NB—0120

NEW ORLEANS RADIO STATION

N.S.E. Form 134.

(See War Preparations - Confiscated Radio Stations)

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	

4—3381

Number.	Date.	From or To—	Subject.	
622084	FROM CARD 16		Improvements to ground system- subm estimate with prints. 8/23 W $F_W$ds Bu Standards 8/30 W	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

NEWPORT RADIO STATION 1921

Number.	Date.	From or To—	Subject.	
581936	8/19	D /N.C.	Newport Station rqst change of radio operator for sending station at Melville. W.	
586949	9/22	Boston	Quarterly inspection report. W.	
586948	9/22	Boston	Quarterly inspection report. W.	
588199	9/28	Boston	Ask what appropriation shipping of decrometer to MELville station is chargeable. W To Boston- Gives inform rel apparatus 10/8 Fwds Boston via S&A - Allotment granted 3/24/23	
592980	10/31	To Newport	Radio material on hand and Available for issue- Reqst complete list of apparatus on hand W Newport Training Sta.-Subm list of radio apprs on hand, W. 11/23	
601879	1/7	To Dir Naval Communications.	Status of Radio Telegraph- U.S.Naval Radio Station, Newport. WF	623-6
612822	3/8	Ordnance	Newport Torpedo Sta request three diesel engines removed from D-boats be assigned to Station for use in air compressor outfits. D	639-1

4—3381

N. Eng. 134

NEWPORT RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
621869	5/4	Boston	Quarterly inspection report, Melville Sta. W.	
621868	5/4	Boston	Quarterly inspection report, Coasters Harbor station. W.	
601379	5/11	To Comdt Boston	Rqsts report on outside power for U.S. Nav Radio Station Newport. W	623-6
622084	5/11	To Boston	Ground resistance unsatisfy condition of ground system cc CO Anacostia W RB 6/9/22 W	
CARD 17	Bos 6/22	Fwds photostat of map of sta W	Boston- Fwds antenna resistence curve. 6/5 W To Boston-- Reqsts estimate be submitted 6/13	
626546	6/9	To Navign	To Boston- Reqsts Estimates 7/17 Enlisted personnel for Radio Station MELVILLE-- radio tests of vacuum tube apparatus W RB 6/21 W Fwds Navign via Dir Comms 6/28 848	
631252	7/1	Navgan	Newport Training Sta will reopen 7/1 A	707-10

NEWPORT RADIO STATION

Number.	Date.	From or To—	Subject.	
488843	4/21	Y&D	Returns unexpended portion of allotment covering painting interior of communication door. W.	
481501	5/3	Boston	Fwds requsn cov telephone and telegraph service at Newport Trg Sta.	914
495180	5/20	Boston	Quarterly inspection report	W
498302	6/4 6/7	1st Dist. Communications	Quarterly inspection report fwd Com 6-12	W.
504538	7/10	Y&D	Copy of letter to Boston authorizing alterations at Coasters Harbor Sta. W.	
510579	8/9	Boston (T)	Rqst authority to issue vacuum tubes. To Comdt Boston. auth granted 8-11	W.
511052	8/4	1st Dist.	Request station be supplied with modern spark gap for 5 KW transmitter. W.	
513741	8/25	Boston	Quatterly inspection report. W. fwd Bost'n 8-30 RB 9/7 W.	

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N.S.E. Form 134.

NEWPORT RADIO STATION

Number.	Date.	From or To—	Subject.
516290	9/9	Boston	Subm estimate for painting towers. W.
534763	12/13	Boston	Quarterly inspection report. W.
538774	1-8	To Comdt Boston	Reqst date discontinuance of leased wire serv between Newport and Watch Hill W Boston 1/12 W.
552543	3/19	Boston	Quarterly inspection report Newport radio station. W.
552542	3/19	Boston	Quarterly inspecrion report Melville Sta.W
563788	4/20 5/13	1st Dist. Y&D	Addtl communication facilities between Newport Torpedo Station and Commu ication building recommendation covering. W. fwd Y&D via S&A 5/27 RB 6/22 W. fwd S&A 6/30
571664	6/24	Boston	Quarterly inspection report. W
571662	6/24	Boston	Quarterly inspection report. W.
573837	7-9	To Hammond Radio Resch	Lab. In conn with instaln of trans set at Melville station W copy Ordn CO NEWPORT W To Hammond Lab 8/3 Hammond Labr-Transmitting system being installed at Melville. ? W.

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
461653	12/3	Boston	Quarterly inspection report.	W.
461830	12/9	To Comdt Boston	Auth $900.00 W copy Y&D Boston - 12/15 Fwd Boston. 12-20	
466022	12/15 12/29	1st Dist Com	Melville Station- Quarterly inspection report. W. Fwd Communications. 12-3b	
467934	1/6 1/8	1stDist Communications	Quarterly inspection report.	W.
478228	2/27	To Comdt Boston	Info reqstd if Stahl rectifier furnished for use Coasters Harbor Island is required, or can be used elsewhere W Boston 3/4 To Cdt Boston 3/8	
481221	3/8	Y&D	Subm estimate covering cost of instln of elec meters at Melville station. To Y&D- Allotment $275. made copy to Boston. 3-11	Y

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N.S.E. Form 134.

822 - Newport Radio Station. -1920-

Number.	Date.	From or To—	Subject.	
481619	3/15	Bost T	C W 933 vacuum tubes needed for issue to Newport Radio Sta. - none available at Bost - W To Boston (T) 3/17 copy Wash	
482463	3/17	Bost	Coasters Harbor radio station quarterly inspection report - W	
481567	3/18	To S&A	Reqst shipment of transformer from Fleet Base to Newport, Coasters Harbor Island.	W
485399	4/1	Boston	Quarterly inspection report	W.
486515	4-10		Fwd Comm- communication from station Newport furnished by Western Elec Co. 2XB is call of Western Elec Co expr station Montauk W 4/12	RE 4/24 W
486976	4/9 4/12	1st Dist Communications	Quarterly inspection report Fwd Comm: contents noted- quarterly inspection report. W 4/13	W
486978	4/9			

NEWPORT RADIO STATION.

Number.	Date.	From or To—	Subject.	
437191	8;1 8;4	Y&D Dept	Contract cov masts at Melville Station due for completion before 20th.	W
440274	8/15	Y&D	Contract covering 150 ft steel pipe mast at radio sta Melville due for completeion in 30 days; A F	623-6
441843	8;25	1st Dist	Sub cable Coaster Isl to Naval Torpedo Station, fwds sketch and reqst that repairs be made at once. W To Com - 8:28 Fwd Newport 9-3 (copy) Telephone Co's repair figures unsatisfactory- Rec install new at $1400. Boston- Request action. 11/14 fwd Com 11/21	
443524	9-2	Boston	Submits quarterly inspection of radio transmitting Sta, Melville.	W
443576	9-3	Boston	Coaster's Harbor Island Receiving Sta. Fwds quarterly inspection.	W

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N.S.E. Form 134.

822-NEWPORT RADIO STATION:

Number.	Date.	From or To—	Subject.	
445036	9;8 9;10	Nav 1st Dis Boston	Request instrucrions re disposing receiving apparatus not required. To Comdt Boston- Lists receiving equipment auth to be turned into store. 9-13 Boston 9;27 To Boston 10/4	
449572	10;4 10;6	1st Dist Com	Quarterly inspec report of Newport, Melville Station. W To Boston-Fwd 10;8 To Naval Com-Reqst quarterly inspec report. 10;8 Fwd Director Nav.Communications 10/18	
450146	10/6	Newport Radio Station	Req info as to disposition of sound detector horn Y 730	
451803	10;11 10;14	1st Dist Boston	Reqst fittings and springs be furnished. Fwd Director Naval Communications 10/18 To Boston-Auth furnishing stand bunks. 10;22	
453243	10;18 10;18	1st Dist Boston	Reqst disposition of surplus radio lab of Coasters Harbor Isl. To Cat Boston- Stahl rec to be turned in store Bos for issue 10/24	W
454161	10;25	1st Dist Copy	Five kw sets now in commission at Newport.	W
458048	11/12 11/14	1st Dist Boston	????	

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[OVER.]

NEWPORT RADIO STATION:

Number.	Date.	From or To—	Subject.	
420745	5-19 5-23	1st Dist Boston	Reqst auth to ship radio phone outfit recd at Melville to Boston for storage - W	
421903	5;26 5;27	1st Dist Boston	Reqst two stand Underwood typewriters be sup Coasters Harbor Isl Station fwded Communications 6-3 RB 6;5 ~~fwd Boston 6-10~~	
426278	6;12 6;17	1st Dist Com	Sig towers Newport Station, recs searchlights be installed. fwd Boston 7/5 To Sec Navy-Fwd 8;22 RB 8;28 fwd Boston 9/2 RB 4/29 W Boston- Quarterly inspection report 12/3 Boston-Tel-Reqst orders for Lt H C Geller to proceed from Boston to Newport to obtain data. 7;9 fwd Navgn rel orders for Lt. Gawler 7/11 To Boston- 7;25 RB 7;30 fwd Atl Fleet 8/5 RB 8;21	
426499	6;18	Boston Tel	Recs permanent estab of present organ at Newport station. fwd Secty 6-20	W
429554	6;30	Boston Tel	Reqst action in con with Lowenstein gaps for 5 kw transm set Melville Station. To Boston Tel 7/1 Boston 7;18	W

Number.	Date.	From or To—	Subject.	
430853	7;1 7;5	Newport Y&D	Reqst allotment $350. to cov cost for masts at Melville. fwd Y&D 7/12	W
434911	7;23	Y&D	Fwds spec cov 150 ft steel pipe mast at Melville Radio Station. W	
435150	7;19 7;22	1st Dist Boston	Reqst disposition of excess radio app at Melville Sta. W To S&A req ship from Melville to Boston one radio telephone 7/31 R B 9-20	
Boston NSA	214 8/4	Fwd Boston	Returns reqn without action, for distant control and receiving station Coasters Island. W	
NSA 207	8/2	Fwd Boston	Req calling for one spare gap of Wireless Spec Ap Co returned without action. W	

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N.S.E. Form 134.

NEWPORT RADIO STATION

Number.	Date.	From or To—	Subject.
405734	3-27	To Y&D	To Boston- reqst report show dispos 5-14 Reqst efforts be made to expedite all Public Works activities in conn with the re-establishment of radio station at-
		Boston-Generator will be installed at Seasconsett. W 5;2 Boston-Reqst authority to ship two power units, to Boston. 5;8 Boston 5/22	To Boston- confirms phone conversations W author removal 4-2 Boston 4;12 To Bost n- author installn 4-17
405735	3-27	To Boston	Sum of $500.00 chargeable to "Engr. 1919" alloted installn of radio equip at Melville
405971	3-31	To Comdt Boston	Disapproves reqst letter 3-23, for equipment Surfsidebe assigned to Coasters Harbor Is as action previously taken supply equip for reception on short waves from Washn-
406693	4-1	To S&A	Reqst shipment from Washn to N ewport, one radio receiver, R B 5/24
8 407927	4;1	1st Dist south mast and opr bldg 4-4	Req additional masts be erected at Melville Station, submits estimate cov. W To Boston- masts will not be author at this time, antenna can be suit supported between
407700	4-3	To S&A	Reqst shipment from Washn to Newport, four radio storage batteries W RB 5/24

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[OVER.]

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NEWPORT RADIO STA

Number.	Date.	From or To—	Subject.	
410505	4;11	Boston	MELVILLE Radio Station-Recs that another mast be installed to accommodate proper arrangement of antenna. To Boston- disapproval of letter 4-9- 4-17	W
410382	4-14	To Naval Communications	Advises transmitting station, Melville distant controlled from receiving stat at Coasters Harbor, placed in operation 4-10	W
410397	4-14	To S&A	Reqst shipment from Washn to Newport material for installn Coasters Harbor and Melville W R B 5/24	
417186	5;7	Boston	Reqst Melville Radio Transm Station be supplied with one high kw coil assembly. To Boston- disapprova of recs 5-12	W
416919	5;11	Boston T	Will complete remote control instal 15th. To Bost n Tel 5-9	W
419008	5;9 5;16	1st Dist Boston	Masts and patrol facilities for Melville Station, recs. To Y&D- reqst provide mast at Melville 5-26 Boston - Recs bids reqst. 6;14 To Boston- re-arrangement should be made only after to strain consulting Public Works of 1 6-20 Y&D 6;27	W

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N.S.E. Form 134.

1919

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NEWPORT RADIO STATION:

Number.	Date.	From or To—	Subject.	
398135	2;20	2nd Dist	Req radio equip for Melville and Consters Harbor Isl radio stas. To Newport- re shipment 3-8	
398849	3;3	Y&D	Sub estimate cov cost of cable between Melville and Coasters Harbor for distant cont of radio sta, asks if allotment will be made. To Newport- confirms phone conversation 3-8 To Y&D- author expend of $5,300.00 3-8	
359827	3/4	To Newport Rdio	Requack recpt of radio apparratus shipt to Newport reqst of Oct 12th to SO NT	898
401199	2;27	Inspr Brook	Req switch be furn in con with remote cont sig and and tel cond between com bldg and transm station Melville. To Boston- reqst shipment 3-11 Com Super Newport-Tel-Req Boston be instruc to ship 2 switches for rec and transm station at Melville. 3;20 To Boston Tel 3-21	
402310	3;11	2nd Dist	Req instru listed be fwd for Costers Harbor Isl Sta, Melville. Request shipt of material from Rhode Island to Phila. 3-17 Phila - 6;24 Ph-Req descrip of ammeters. 3;26 To Phila req supply two ammeters to complet item B of Ship or M Archh 27th 4-5 To Comdt Phila- reqs info re status of SO of 3-17 5-10	W

Phila - 5;16
To Phila asks status 12/5 R B 12/12
Fwd Boston. 12-26 RB 1/5

4—3331

[OVER.]

1919

Number.	Date.	From or To—	Subject.	
403244	3;14	2nd Dist	Estimate on cost of instal DC feeders from Tr Station power house Coasters Harbor Isl to Com Bldg. fwd Y&D 3-21 R B 4;10 To Y&D- allotment of $945 4-11	W
403158	3;13 3;15	2nd Dist Com	Req allotment be secured coy service of janitor for Coasters Harbor Com Bldg. To Secy 3-18 Request for janitor.	
403681	3;21	Boston Tel	Date of completion Newport Station 4. Date of completion Boston - Boston 3;21 To Boston 3-19 Tel: Newpt radio station be placed in commission as soon as possible	W
405971	3;25	1st Dist	Req rec app be sup, Com Bldg Coasters Harbor Isl.	W
404781	3-25	To S&A	Req shipment from Phila to Newport, for Melville Station complete radio transmitting set- R B 5/24	

NEWPORT RADIO STATION

Number.	Date.	From or To—	Subject.	
380969	12-30	To S&A	Reqts shipmt from Phila to Coasters Harbor Newport RI 1 battery charging unit	W
381043	12-30	To S&A	Reqts shipmt from Wash to Coaster Harbor Newport RI 1 audion battery charging panel	W
381365	1-2	To 2nd Dist	Has arranged to ship to Coasters Harbor battery charging unit for Distant Control Station	W
387677	1;14 1;22	Newport Station Y&D	Req allotment cov erection of radio masts Newport Station. fwd Y&D 2-5	
387926	1;14 1;20	New York 2nd Dist	In con with strength of steel masts Newport Radio station.	
391288	1;29 2;3	2nd Dist Y&D	Replacement of deteriorated wireless tower at Melville, submits estimate cov. Fwd Secretary of the Navy 2-8 Fwd Y&D 2/17	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
394385	2-14	To S&A	Rqst shpmt from NY to 2nd District, 3, 32 volt radio telephone storage batteries- W	
397321	2;18 2;21	2nd Dist Com	Req all stand radio trnasm and motor gen be sup Melville Transm Sta. To S&A ~~req shipment frm Newport to~~ Newport radio tarhmitter contr 30864 with Marconi Co 3-1	
397205	2;20	2nd Dist	Asks if clocks for radio room are to be replaced or repaired under flat rate charges of $25.00. To 2nd Dist- advises flat rate radio maintenancd does not cover repairs or replace of clocks in a radio rooms on merchant vessels 3-3	
397599	2;20	2nd Dist	Req two kw motor gen sets. W To Norf- Reqst copy of prings be fwd Newport 3-1 To 2nd Dist- advises is obtaining no of Stahl Com rectifiers for operations 3-1	
397490	2;21 2;24	2nd Dist Com	Req buzzer set be fwd. W To S&A req ship from Washn to Newport radio buzzer set 3-10 RB 4;29	

NEWPORT RADIO STATION

Number.	Date.	From or To—	Subject.	
319298	6/13	Newport Radio Sta	Sub report of investigation in comm w discharge of electri ity in vicinity of radio plant at torpedo station	908
335198	8/5	2nd Dist	Reqst radio apparatus for radio sta at Newport Radio Sta	882
337050	1-6	To Cdt Trainstation Newport	- Lists radio app reqted shipped in SE shipmt reqt of Aug 15th for Dist control Station Coasters Island W Shipment order of 15th back 1;13	
345217	8;23	2nd Dist	Fwds report of inspec of and inactive radio stations owned by National Radio Co W To----Re report on radio station. 9/9	
338943	9/10	Fwd. Cavite & Olongapo	Re improvements of Rad.Sta. Olongapo.	
6434	8/16	Inspr Brook	Gasoline engines for radio for NEWPORT station R	629
353650	9;25	2nd Dist	Relative to antennae and ground rec steam casters, Newport. To----- 3 wire aerial 200' long between spreaders should be satisfactory- aks if this can be manfd at Newport 10-15 "2 Dist 10-21 W	

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N.S.E. Form 134. 822

NEWPORT RADIO STATION:

Number.	Date.	From or To—	Subject.	
364849	10;30 10;31	DCS NEWPORT Com	Req appropiration covering furniture and equip for Newport Station. W To Narragansett, re furniture for, 11-6	
3 01474	SEE CARD 6		To Dept- Rec that Bu be authorized to spend $19,000.00 chargeable to SE 1919 for dismat ntling Newport Radio and est at Melville and Coasters Harbor Island To Y&D- In re above 11-4 Coast Guard - 2;11 To USCG-Rqst advise Bur when work can be completed- 2/13	W
365419	11-4	To S&A	Rqst shipt radio apparatus Wash to Newport W	
365524	11-7	To S&A	Rqst shipt radio apparatus Wash to Newport W	
367859	11;9	2nd Dist	Furniture and household equip for operators res. and quartermasters res at Melville radio station, sub estimate for. W Fwd 2nd Dist 11-15	
373906	12/3	To S&A	Reqts. shipt. of steel masts from Wash. Newport.	
376388	12-11	To S&A	Rqst shipmt 5 transmitting sets NY to Newport W RB 4;29	

NEWPORT RADIO STATION

Number.	Date.	From or To—	Subject.
306101	5;6 5;9	Second District	Fwds quarter report of inspection of radio station. W To 2d Dist, approving recommendation, 5-15
322451	6;20	Second Dist.	Submits report of test to district static charges on piping system of vicinity of Newport station. W
324088	6;22 7;6	Pg Sd Naval Communication	Fwds quarterly report of Newport radio station. W
335867	8/14	To S&A	Reqts. shipt. of switches from NY to Newport for Rad. Station. W Shpt order of 8-14 RB 10-5
335198	8/16	To 2nd Dist.	Rad. recg. equipt. now installed at Newport is author. transferred to Transmitting Sta. Melville. W
337177	9/10	To Chandler-Dalley Co.	Transl. copy of report rec'd. from Rds. covering a test of [illegible] motor. W

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

1917

NEWPORT: RADIO STATION.

Number.	Date.	From or To—	Subject.	
225039	4/13	Best Supt	Torpedo station , report of inspection W	
228118	5/11	Narragansett Bay	Not necessary to revise maintenance allowance.W	
229115	5-17	Newport	Fwds expenditures rec. for 1918 and 1919.W	
231315	5-22	Newport	Reqt certain radio apparatus for instruction purposes at training regiment.	876
234049	6/15	Narragansett Bay	Newport Radio Station; request special allotment to cover radio compass.W To--Appvs allott.6/22	
234737	6/19	Newport Torp Sta	Reports installation of a set on Lose Island, set loaned by amateur; will establish school of instruction.W	
235749	6/25	Newport Radio Sta	Buzzer signalling outfit not yet received.W To--Have not procured one.7/3	
236332	6/20	Newport	Reports on inspection of north and south radio towers; requirepainting.W To--Appvs est.7/2	
237311	7/5	Dist Supt, Newport	Fwds quarterly inspection.W	
253819	10/5	Newport	Quarterly inspection.W To--Gives action.10/11	Newport 11/7

N.S.E. Form 134.

NEWPORT: RADIO STATION. 822

Number.	Date.	From or To—	Subject.
254094	10/11	To S&A	Reqt shipt of spark gap from NY to. W To--Reqt amend shipping reqt.10/12
260485	11/3 11/12	Dept Agri Comm	Request permission to make certain changes in signal system at Newport Torpedo Station.W
272351	12/31 1/8	Newport Radio Sta Navgn	Fwds report on tubes on hand. Fwd Navgn--1/15
280537	2/7	Inspr Pitts VOID	Request authority to make changed in Curtiss OXX prints for use in connection Pittsburgh Model EnginenCompany's machine.DA
280502	2/6	Newport	Newport Radio Station inspection report.W To 2nd Dist--Appvs recommendations as listed. 2/12
283919	2/21	Ordnance	Recommends ratio station at Newport be removed from Goat Island to Coasters Island.W Ordnance-recommends radio station at Goatisland be removed to Coasters Island.W To--2/28 - RB-3-11 To Newport--Instrns.2/28 RB 4-27 Fwd Ord--3/12 Newport-Will make recommendations in a few days. W 3-11
301474 SEE CARD 8	2-21 4-25	2nd Dist Comm'ns	Recommendations re change in location of towers and radio apparatus in Newport radio station. W FWD Y & D --5-2 Fwd. Dept. 7/1 received back 7;17 Fwd. Y&D 7/19
		To Y&D Re removal of US Coaling Sta. 9/27 Second Dist. Oct. 22 - Telegram request copy of letter 9/27 To----Fwda above let 10-24	

NB—0120

[OVER.]

NEWPORT: RADIO STATION. 1916

Number.	Date.	From or To—	Subject.	
185048	4-14	At Coast Supt	Report of inspection; fwds.W Fwd Newport-- For comment and rec. 4/20	
186418	4/17	N ewport Radio	Fwds unsatis audion bulbs	898
184190	4/8	NY	Radio equipment on vessels at Torp Sta; care and preservation of, etc	139-6
191678	6/26	To Bost and N arr Bay	Transfer of 10 kw radio transmitter from New port to Bost	843
193276	6-28	Newport	Impossible to complete concrete foundation for radio towers by June 30; request $275 next fiscal year. W To-- Makes allotment to cover. 7/14	
193271	7-7	Newport	Recommendations for distant control.W Fwd Dept-- Rec appvl. 7/13 RB 7/20 To Via Y&D--Appvs rec and authorizes work; gives installation required. 7/21 Fwd Y&D--7/22 RB 8/5	
194685	7/20	Supt Bost Dist	Recommends buzzer signal outfit be furnished.W To--Will purchase apparatus for. 7/31 Newport buzzer sig. set not yet received.5/15 To Newport via Bost--5/24	

N.S.E. Form 134.

NEWPORT RADIO STATION. 822

Number.	Date.	From or To—	Subject.	
196328	8/4	Narraganset Bay	Distance control; makes recommendations for; reports on experimental antennae between flag ~~stations~~ staffs on administration building.W	
196776	8-19	TO S&A	Reqt shipment detector, bulbs, etc. to from Washn To--Reqt shipt order be traced.4/30 RB	5-14
198721	9/5	Newport	North mast struck by lightning; time ball platform ladder rusted; request special allotment to make repairs.W&K To--Appvs allotment.9/12	
199127	8-15	Bost Supt	Report of inspection.W	
208289	12/11	Y&D VOID	Copy of contract for sea wall.W	
209173	12-6 12-15 Narragansett Bay submits recommendations in connection with installing distant control station and direction finder 2/28 To Newport--Appvs install. 3/9 (T)	Bost Radio Supt Newport	Narragansett Bay radio compass at Newport; reports installation completed 4/2 Quarterly inspection.W To via Bost--Gives action. 12/21 To via Bost--Reqt report on efficiency of antennae at Newport and on War College Administration Building for receiving. 2/17 Newport estimate for installing radio compass in administrative building 2/27	RB 2-17
208486	12/6	Bost Supt	Inspection report; fwds.W	
216904	3/20	To Newport	NSE 25-B and Bu records differ. Reqt further information. W Newport no record of receipt. 4/23	

1917

NB—0120

[OVER.]

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NEWPORT: W.T. STATION

1915

Number.	Date.	From or To—	Subject.
150236	3-18 3-20	Newport Supt	Reports on unsatisfactory condition fo 10 kw Fessenden set. W To Newport--Will furnish apparatus to place in satis condition. 4/2 To Supt-- Ditto 4/2
	Newport in operating 5-4 To Newport--Reqt sets be in satis condition by May 1st. 4/22		
151073	3-31	To NY.	Lists radio apparatus to be shipped Newport.W To S&A-- Reqt for shipment. 3/31
154544	5-5 5-8	Newport Torp Supt Radio	Fessenden set placed in satis operation except new starting panel required.W Fwd Radio--Noted 5/11
157215	6-10	To Newport.	Replacement of Newport 5-K.W. radio set by 2-K.W. set; reqt information as to the advisability of. W RB 6/22
158065	6-16	To Newport. (R)	If 5-K.W. radio wave changer installed and ready for use with fleet communication?W Newport ready 26th; 6-18
163410	8-14	To Newport,S&A	Reqs. shipment of wave changing switch from New York.W
164435	8-25	Narr Bay	Reqt allotmentto cover 5 kw wave changer.W TO -- appvd 8-28
165448	8-30	Newport Sta	Submits estimate for installing Mark V wave changer.W To Bost--Appvs estimates.9/10
167028	9/8 9/30	Newport Torp Sta Supt Radio	Reqt that radio station be moved to some other location.W Fwd Dept-- Recommendations.10/4 RB 10/25 Fwd Rad Ser Via Ord--Noted 10/29

N.S.E. Form 134.

NEWPORT: W.T. STATION. 822

Number.	Date.	From or To—	Subject.	
169707	10-25	Supt Bost	Lists material at Sta not used; recommends transfer. W To S&A-- Reqt shipment of material from NY and ash. (2) 11/9	
173840	12-9	Bost Supt	Report of inspection. W	
173964	12-11	Bost Supt	Inventory of property. W	
174253	12/15	Supt BOST	Reqt transfer of Fessenden 10 kw transmitting set from Newport to Distributing Station, Bost	843
175504	1-6	To S&A.	Reqt shipment radio receiver from Wash to Newport for installation on CONSTELLATION to be used for instructional purposes for school for signalmen. W	
		1916		
175401	1/5	To Newport via NY	Radio traffic between New York and Newport; direct communication between stations; reqt re difficulty experienced in	823
178372	2-7	To Newport.	1-P-76 radio receiver; asks disposition of. W Replies 2-16	
180171	2-25	Newport	Concrete foundation for radio towers; estimate; reqt additional allotment ro cover. W To--Appvs est; 3/2	
183299	3-13	Newport Train Sta	Fwds correspondence on radio apparatus; on reqn 342, schedule -113. W Fwd S&A--4/1 RB 4/7 Fwd S&A--Noted. 4/8	
184038	4/6	DistSupt, Bost	Asks if should not be furnishedwith audion amplifier	898

NB—0120

[OVER.]

NEWPORT: W.T. STATION

1913

Number.	Date.	From or To—	Subject.	
101427	6-21 7-1	At.Flt Newport Radio	Reports delay in transmitting messages; Elecn in Charge court martial on account of absence. W Fwd Supt Radio.7/14.	
~~101998~~ 102996	8-2	Newport Torp	Rewind armature 5 kw motor generator; reqt. additional allotment $210.W To---appd.8/8 Newport: estimates. 8-19	
106879	8/20	At.Fleet	Recommends increase in power to carry on Fleet work, also BOSTON & NY.	843
112637	12-10	Newport Torp	Reqt. telefunken receiver.W To---NY (2)S&A.request shipment NY to Newpt; also shipment of one from Newpt to NY for repairs.12/13.	
		1914		
115109	1-10 1-15	At Flt Supt Radio	Recommends service at Newport be improved.W Fwd Dept.comments.1/17	
122055	4/10	To Newpt. & NY	10-kw set at NY yard removed from SALEM; request estimates for installing at Newport. Asks if space available. 2-kw set now at Phila.will replace present 5-kw set.W Newport room 4-15 NY report status 4-15 To Newpt.NY and S&A.Request shipment;reqst estimates be expedited.4/16. NY 4/17 10-kw set will be fwd 20th inst.W	

N.S.E. Form 134.

NEWPORT: RADIO STATION. 822

Number.	Date.	From or To—	Subject.	
123361	4/23	Newpt	Fwds prints and estimates for installing new radio apparatus.W Fwd Dept·reqst appr·4/25· RB54 appd To---appd.5/4.	
124028	5-1	Newport	Gives new wave lengths.W	
126647	6/5	Newport	Submits estimate for improving ground by using chicken wire net extending over sea wall and into water.W To--6/20	
130323	7-16	Newport Torp Sta	Reqt authority to retain I-P-76 receiver. W. TO---request forms N.S.E.25-A. 7/22. Newport gives list of receivers on hand 7-30 To---and S&A request shipment to New York for repairs.8/4	
131945	8-7	Newport Radio Sta	Reqt inspection by Lt. Lowell be postponed until installation of 10 kw set.W To---desired be inspected to Lt.Lowell and Ens.Le Clair.8/10.	
132740	8-17	Lowell	Measurements	843
135013	9-19	Narr Bay	Reqt elec driven air compressor for 10 kw set.W Fwd NY-- Req reqn be submitted. 9/23 rb1121 Newport ereqt action 2-8 Fwd NY-- 2/15 rb38	
139570	11-12	Narr Bay	Reqt allotment $1400 be granted for use during fiscal 1915 for work on station.W To-- Allotment made. 11/17	

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[OVER.]

NEWPORT: W.T. STATION:

Number.	Date.	From or To—	Subject.	
52205	10/26	New Port	In commission; messages have been exchanged with Colon.W To Narr.Bay. Noted.10/31.	
56124	12/13	Newport Torp.Sta.	Requests authority to turn in wireless apparatus for shipment to New York for use of Electrical Class.W To--Has reqt shipment.12/18. To NY--Advises and gives instrns.12/18. To S&A-Reqt shipment from Newport to NY.12/18. To Narr Bay. asks if set was shipped to NY yd.4/9. To NY asks if recd.4/9.RB 4-16 1912	
No #	2/17	To Newport Torp. via S&A	Material charge "Eq of Vessels,1912" for Jan. Stub recn 21, and contract 12899; Requests credit to offset charge be made.A	
74379	7/27	To Narr.Bay,Newpt	G.H.Clark to report for testing and retuning radio installation,etc.W	
75078	8/5	Eck Dynamo & Motor Co.	Fwds copy of letter to Newport relative to armature for wireless generator. W	
79112	8-26	Clark, Geo.H.	Reports adjustment in.W.	
80819	11/8	To Newpt,NY,S&A.	Shipmetnt of Donitz wave meter from NY.	914
82494	11/9	Newpt	Estimate for rpears# to.W To---Appd.11/13.	

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NEWPORT: RADIO. 822

Number.	Date.	From or To—	Subject.	
83687	11-26	Hill, Guy	Reports alterations being made to comply with Dept. order to send on 600 meters.W	
83933	11-26 11-27	Hill, G.W. Newport	Suggestions for alterations to send at 600 meters. W. To Newpt.changes appd.12/2.	
			1913	
87815	1-13	Newport Torp Sta	Reqt. prints of a Telefunken 2-1/2 kw set W To---Fwds prints.1/17.	
88115	1-16	Newport Torp.Sta	Reqt. new aerial. W Fwd NY.Request be referred to Sub-Inspr Hill for comment and rec.1/21. RB 1-28 To-1/29 RB 2-8	
88293	1-20	Newport Torp BELOW	Wave meter;reqt.be sent to NY for re-calibrating.W To NY.&---Asks original cost of Donitz wave meter;instructions for charging.1/23 RB 1-30 To NY & S&A.Request shipment of Pierce.1/23.	
88494	12-20	Newport Torp	Description. W.	
88293		SEE ABOVE	NY 1/28.Reports.W To Newpt Torp.& S&A. Reqst shipment Donitz wave meter to NY yard.1/30.	
89107	1/25	Newpt Torp.Sta.24-154	Reports repairs to radio plant.W To---estimates appd.2/5.	
90486	2/3	Newpt Torp.Sta.	Reports completion of new antenna Jan.24th.W	
95284	4/22	Fwd Dept	Telephone connection,	615--23

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[OVER.]

FILE No.	From or To— (Dated)	Subject.	
29212 1-20	To Narr.Bay	Cont.104. motor for driving A.C.generator; Reqst to be advised when received.	629
29927 1/23	Newport W.T.	Reports receipt of 10 HP motor under contract 104.	
30372 1/26	Newport	Reports receipt of induction motors with exception of fuses and panel.L	
30593 2/1	Nat.E.Sig.Co	Relative to non delivery of spare parts for 10 hp motors. Contract 204.W	
34451 3/22	Newport 24-42	Reqt. that additional $1000 be allowed for construction of foundation for wireless mast.W Ret -- Will be made as necessary 3/25.	
37951 5/3	Newport 24-58m	New 5 kw Telefunken set not received; will submit estimates on receipt.W	
39048 5/17	Newport Tor.Sta	ANTENNAE: gives radiation	875
41522 6/17	do	Reports completion and erection of the north wireless tower. W Fwd NY. Directs yard furnish material.6/19. RB 7-21 To---Bu desires only type 1-P-76 receiving set be transferred to MONTGOMERY. 7/22.	
43105 7/1	Newport	Quarterly report. W	
45695 8/3	Newport	Reports receipt of Telefunken set; reports shortages; calls attention to wood insulation between terminals of coils.W Ret---Shipment of receivers has been reqstd. 8/9. RB 8-19 Fwd NY.Reqst information concerning shipment.8/22. RB 9-11 To - make recn. 9/12	

Number.	Date.	From or To—	Subject.
631903	7/14	To Comdt New York	Reduction in number of radio shore stations of 3d Nav Dist. W Communications- Fwds letter from N.Y. rel to possible closing of Amagansett and Yards stations. 8/5 W
635724	8/1	N.Y.	Reduction of and standardization of operating cost at Shore radio stations, - comments on possibilities in. W. Fwds Dir Commns cc NY 8/11 RB 8/17/22.W ~~Phil. 8/15 Y~~ N.Y.- Request traffic reports on Sayville Station be furn. 9/15 W.920 -8/ Fwds Dir Commns cc NY 9/19
641106	10/4	N.Y.	Desk trabsmitters and receivers and bell boxes - request be furn for telephones. W Fwds Schenectady 10/14 W cc NY RB 10/19 W To NY— booklet was issued gives inform rel 11/29 NY 11/2 Ask if bureau will supply desk transmitter and receivers W
645145	9/29 10/11	3d Dist. Y&D	Reports on coal shortage in 3d Dist. W Fwds New York via Nav Communications 10/14 W RB 10/26 W Fwds Dept via Yds & Docks 11/6

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NEW YORK STATION 1922

Number.	Date.	From or To—	Subject.	
579333	9/27	NY	Rqst auth covering labor at Buffalo Sta and Manasquan. W	1046
646248	10/19	New York.	Request auth to permit visitors to Yard radio stations on Navy Day, 10/27. W.	
647055	10/25	Y&D	Copy letter NY returning saving of over allotment W	
652722	12/7	NY	Type H. F. stuffing tube and connection panel for illumination set. Rqsts prints W	

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[OVER.]

NEW YORK STATION 1922

Number.	Date.	From or To—	Subject.	
404383	FROM CARD	8	N.Y. - lists radio apparatus installed on GRANITE STATE which was destroyed. W. 527 - 6	2/8
618983	4/17	Y&D	Copy of letter to N.Y. requesting action in conn with allotment cov radio projects be expedited. W.	
619621	4/20	N.Y. (T)	4 motor generators for 2 KW arc transmitters recd on contract 54124;loading coils missing. W. Inspr Pitts (T) Ask contract number and name of contractor. 4/24 W. Inspr Mass (T) 3 inductances shipt by express 4/15-; 2 on 4/19 and 2-4/21 4/25 To Inspr mat Pitts (T) trace and advise 4/21	
	OTHER SIDE			
619614	4/18	N.Y.	Report on TD type transmitter in use at N.Y. radio Station. W. N.Y. - Comments on TD transmitter. 4/28/22. W. Fwds Washn 5/5 RB 5/11 W To Inspr mat GE Model TD Transmitter 5/17 47403-629	

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NEW YORK RADIO STATION 1922

Number.	Date.	From or To—	Subject.
619621	from other side		To Inspr mat Boston (T) Four motor generators recd NY Trace and advice cc Inspr mat Pitts- NY 4/24 W Inspr Pitts- Ask contract number and name of contractor. 4/26. W. To Inspr mat Pitts- Given inform 5/5
621959	5/5	Y&D	Copy of letter to New York directing expedite reports on status of work under allotments chargeable to Engineering 1922. W.
628445	6/16	New York	Request auth to move telephone set from C.D. Supt office to Yards W To NY- no action taken 7/13

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[OVER.]

NEW YORK RADIO STATION 1920

Number.	Date.	From or To—	Subject.
520163	9/22 9/30	N.Y. Y&D	Estimate covering repairs to radio mast at N.Y. station. W. fwd T&D 10/5 Y&D 12/11 Copy of action to N.Y. W
540312	1/8	Communication Supt	Copy of letter to NY fwding diagram of connections of remote control for radio telephones installed at N.Y. W.
80		1921	
547799	2/21	Y&D	Copy of letter to Pole & Tube Wks in Co. with payment cov mast loaned to N.Y. and damaged. W.
554461	3/29	Y&D	Copy of letter to N.Y. stating allotment cards being fwded cov work. W. Y&D- Copy of action to N.Y. 4/21 W
563840	5/13	N.Y.	Subm outline of radio work, fiscal yea r 1922. W
563838	5/13	N.Y.	Subm outline of radio work, fiscal year 1922. W.
563824	5/13	N.Y.	Lists receiving equipt required for control station. W. To NY 5-18
581334	8/16	New York	Request prints of 200KW Fed. arc apparatus installed at Sayville. W. To Comdt NY- 8/24 N.Y.- Rqst prints of Cathode Sheathe-9/1 W To NY Fwds Plan 9/10

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NEW YORK 1921

Number.	Date.	From or To—	Subject.	
588363	8/28 9/3	3d Dist. Communications	Request new transmitter be furn for N.Y. Yard. station. W. To Dir Communications- Will install tube set- 10/7 Communications 10/19 W. To Dir Communications- Gives Action 10/22	
596305	11/19	Fwd NY	Miscellaneous Data for data book "Public Works for the navy" concerning Radio Station- W	
601956	12/28	To NY	Reqst Status of tube set W. N.Y.- Rqst $400 be auth. 1/10 W To NY utilization of temporary starter authorized 1/14/22 N.Y. 1/13 W To NY (T) Reqst date shipment of transformers 1/20 N.Y.- (T- Transformers and starter not recd; Bar Harbor transformer shipt by express 1/23.1/25 W	

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[OVER.]

NEW YORK RADIO STATION.

Number.	Date.	From or To—	Subject.	
462139	12/10	To S&A	Reqst shipmt from Washington to N.Y. radio appr. W RB 2/26	
463211	12/11 12/12	3d Dist Com	Quarterly inspection report. Fwd D.N.C. 12-18	W.
466148	12/30	N.Y.	Quarterly inspection report. p	W.
483170	3/22	N.Y.	N.Y. radio station- quarterly inspection report	W
484498	3/29	N.Y.	Transmitter installed at N.Y. Radio St. to avoid intergerence on Commercial waves. To IM NY 4/2 N.Y.- Gives name plate data of transmitter.	W. 4/8 W
485381	4/3	N.Y. Copy	Request authority to expend $20. covering telegraph relays. Dept- 4/8 KW. To Secy- $20.00 auth 4-12 fwd NY 4-12 copy Com and DCCS 3rd RB 5/4	KW. W

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-1920-

Number.	Date.	From or To—	Subject.	
492112	5/6	NY	Submits quarterly report of expenditures at San Juan radio station - W	
493384	5/11	N.Y.	Rqst for increase in maintenance allotments of radio stations in 3d Dist. To N.Y. addtl allotment made 5/15 To N.Y. - increase authorized 5/19 N.Y.- 5/28 W.	K
493553	5/13	NY	Rpm report on radio apprs on hand and required to complete building program in Dist.	W
498314	5/29	N.Y.	Fwds quarterly report on expenditures for shore stations in 3d Dist.	K
499953	6/5	N.Y.	Quarterly report of expenditures at stations listed.	W
508835	7/31	N.Y.	Quarterly inspection report. W.	
507611	8-4	To NY	Reqst drawings listed re Radio Tel W. N.Y. -Fwds prints. W. 8/17	
511035	8/11	Y&D	Request allotment of necessary funds covering repairs to radio masts. W. fwd Y&D 8/18 Y&D- Copy of instrns to N.Y. 8/23 W. NY- Quarterly inspection report 10/21 W	

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NEW YORK RADIO STATION

Number.	Date.	From or To—	Subject.	
415520	5;3	TO S&A	Reqst shipment from Washington to Brook of radio transm and control boxes.	W
416930	5-10	To S&A	Reqst shipment from Brooklyn to Norfolk radio material W RB 6;14 RB 7;10 To S&A reqst cancellation of 5-15 RB 7;10	
418553	5/10 5/14	3rd Dist N. Y.	Quarterly inspection report, Brook. radio Sta.	W.
424931	6-12	To NY Tel	Expedite estimates maintenance allowances shor radio stations ensuing fiscal year N Y-Tel 6;16	W
427768	6;20 To N Y-New parts for radio tel at Guantanamo Bay 10;10 NY- 10;22	NY	Estimate and reqsn for instruc of remote cont station sub. To NY- reqst name of proposed remote contr station and if possible copies of corresp NY-Sub estimate 7;15 To NY 8;1 RB 8;4 To Guantanamo-1 Bu decided not to undertake work in con with Guantanamo Radio Sta. 8;23 NY-Fwds estimate of spark gap equip. 9;26	7/1
435355	7;23 7;24	3rd Dist Com	Quarterly inspec report Bush Radio Sta. fwd NY 7/30	

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[OVER.]

Number.	Date.	From or To—	Subject.	
444580	9-6	N Y	Rqst auth to renew receiver and audion control box. To NY- re shipmt 9/11	W
446502	9-20	D.N.C.	Fwds rqst from NY for installation of 10 KW alternator taken from LEVIATHAN- Recommends against. 6	W
452025	10;15	N Y	Quarterly inspec report N Y Radio Station. To NY-Regarding efficiency of radio station and auth instal of antenna switch. 10;21	W
48112	10/20	To NY	Fwds wiring prints, rest installn of motor generators be made immediately upon receipt of W S 629	
459887	11-17 11-24	NY Comm.	Rqst temporary loan of 6 stage amplifier in conn with small receiving coil in the center radio control room.	W

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NEW YORK RADIO STATIONS

Number.	Date.	From or To—	Subject.	
387439	1-22	To S&A	Reqts shipmt from Phila to NY Radio compass coil-house-switch-control New York - 1;27 Fwd S&A 2-1 S&A-Fwds copy of tel to NY giving routing of radio apparatus shipped for Lavlathon. 2;3 W	WW
387443	1-22	To S&A	Reqtx shipmt from Wash to NY 1 radio compass receiving equipmt Received back 4;16	W
392693	2-4	3d dist 882-1	Comm 2-6 recommends condenser units of transmitter be changed from Leyden to those of Dubilier type D Fwd Director Naval Communication 2-10	
394381	2-13	To 3d District To International Radio Tel Co- 1-20 Inspr Brook. 6/3 W. To Internatl RT Co. reqst return of appr to Washn 6-11 copy Washn Insfr Brook- 6/28 W. To Inspr Brook. action taken in letter of June 11th 7/6 copy S&A	Rqst inform Bur when matrl loaned Internatl RT Co is retd to stock at NY Yd- W To S&A- Rqst shpmt from Wash to NY 1 audion control box type SE-1071- 2/13 To International Radio Tel Co-Advise if finished with apparatus. 1-9 Internatl.R.T.Co. 1/12	
394473	2-13	To S&A	Rqst shpmt from Wash to N Y 1 Audion Battery charging panel- W To N.Y. 3-15 Request acknowledge receipt of shipt. RB 4;29	
397324	2-25	To NY	Reqst purchases be discontinued parts of insulators type SE 948 drawing RE61F-122B using porcelain rods with ball and socket as this type of appr has been superseded by type SE 1454 plan RE61F-149A	
400628	3;29	Boston	(Old Number)	

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N.S.E. Form 134.

NY RADIO STA

Number.	Date.	From or To—	Subject.
398590	3-3	To S&A	Reqst shipment from N Brunswick to NY 30 KW arc set complete with power apparatus switchboards meters etc- New Brunswick-Req comp sets. 3;12 To N Brunswick- advises list previously fwded 3-24
399909 ?	3-7	To S&A	Reqst shipment from Pitts to NY 30 KW arc set loaned to Ohio Brass Co
399911	3-7	To NY	Fwds 3 prints latest type high tension insulator
399912	3;10	Inspr Pitts	RB To S&A- reqst shipment order of 3-7 be cancelled. 3-21 New York- States that all arc radio material formerly carried at Yrd has been transf to Fleet Base. W 4;1
401622	2;28 3;11	3rd Dist Com	Quarterly inspec report. To N.Y. 3-15 Recommendations in connection with quarterly inspection report.
404383	3;20	NY COM SUPER	Req infor re short wave transm and rec tel, needed for fleet arrival at NY W
c ard 12		NY-4;5-Tel Phila, refuses to ship on acct or set being incomplete. W To NY Reqst disposition made of transmitting set 12/31	ToS&A- req ship from Phila to NY radio trnas set 3-25 To Com Supt 3rd Dist- has reqst SO Phila to ship ra dio set, tel as req disapproved 3-27

NEW YORK RADIO STATION:

Number.	Date.	From or To—	Subject.	
327815	7;6	5th Dist.	Reqst new spark gear for radio station. Fwd. NY 7/22	
329918	7/25	To S&A	Reqts. shipt. of quenched spark gap from NY to Ny for Rad. Sta. W	
328487	7/22	To NY	Author to purchase 30 sets of remote control eqpt	900
336723	8;9 8;13	3rd Dist Naval Com	Fwds report of breakdown of elec service from yard radio station to bldg 220 W Fwd. NY 8/17	
365298	11;1	NY	3rd Dist quarterly inspec report at Brooklyn W	
337427	11-20	To NY	Shipping reqts made out to cover delry destinations as listed-Gas engine generating units to radio compass stations W	

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N.S.E. Form 134. 823 1918

NEW YORK RADIO STATION:

Number.	Date.	From or To—	Subject.	
378408	12;17	Atl Fleet	Copy-Authorizing NY to use 126 meter set from 12;24 to 1;8 Atl. Fleet-Req make arrangements with NY to use sets. Copy 12;17	
379159	12-20	To NY	(T) For D.C.S. fifty dollars cha geable eng ~~XXX~~ 1919 auth radio control forty four Whitehall St GRANITE STATE	W
382194	1-6	To S&A	Reqts shipmt from Phila to ~~XXXXXXX~~ NY 3 radio compass coils and radio compass houses for troop transports	W
385877	1;18	To S&A	Req shipment one complete set equip from Navy Yrd Washington to NY. RB 6;3	
385878	1;18	TO S&A	Req shipment radio coil from Phila to NY RB 3;11 To NY- reqst acknow receip of appr 3-4	

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1917

NEW YORK RADIO STA.

Number.	Date.	From or To—	Subject.	
231753	6-2	NY	Quarters for Chief Petit Officers; reqt auth to direct two story for office rdom and provide quarters for personnel elsewhere.W Fwd Nav Com--6/6 RB 6/9 Fwd Y&D--6/13 RB 6/20	
231977	6-2	NY	Require radio receiving set for listening in station to be established NY City; fwds quotation from Adams, Morgan Co.	919
235441	6/18	NY	Radio station at the Battery; request detector.W To--Instructions re procedure to follow.6/29	
260288	11/12	NY	Fwds report of inspection.W Fwd Nav Com--11/14 RB 11/19	
262073	11/17	NY	Quarterly report inspection.W	
304165	5/3 5/4	Communication Office NY NY	Request station be supplied with audion detector and bulbs. W Fwd NY--5-14	

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N.S.E. Form 134.

NEW YORK RADIO STA.

Number.	Date.	From or To—	Subject.
314032	5/27 6/5	Dist Comn Supt N Y Naval Communicatns	Rqst receivg eqpt listed be supplied for receiving station 44 Whitehall St N Y. W
314648	6;6	New York	Reqts increase in allotment for radio station. W
317505	6/18	To S&A	Reqts. shipt. of radio apparatus for Rad. Station from Wash. to NY
319198	6;21	Naval Communication	Fwds reqst of controll station N Y for radio apparatus. W To NY Equipt. was reqtd. shipped from Wash.6/25
322949	4;16 7;2	Third Dist New York	Reqst radio antena be raised to allow blocks more space. W To NY. The sum of $105. author. for raising of guy anchorage for antenna mast. 7/10 Y&D - Makes allotment 7;17

NB—0120

[OVER.]

1916

NEW YORK RADIO STA.

Number.	Date.	From or To—	Subject.	
201223	9-27	At Coast Supt	Inspection report. W Fwd Bd I&S--10/7 Fwd Aid for Mat--10/7	
204945	11-8	NY	Estimate for installation single wire antennae.W To--Appvs est. 11/13	
205546	10-27	NY	Submits list of supplies required.W To NY--Appvd. 11/16	
D8 280180	11/27	NY	Request certain stores.W To--Reqt auth. 12/14	
209156	12-18	NY	Request Navy standard double stand detector.W To--Issue of auth. 12/22	
210632	12-20	Dist Supt	Quarterly inspection.W Fwd Dept--1/8	
210673	12-27	Dist Supt	States certain items of new equipment assigned by Bureau should not be charged against expenditure allowance; also recommends expenditure allowance be raised $1000.K To NY--Not charged to allowance; raises to $1,000. 1/12	

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NEW YORK RADIO 823

1917

Number.	Date.	From or To—	Subject.
210946	12-26	NY	List os upplies required.W. To--Appvs. 1/10
210961	1-8	NY	Fwds recommndations that Elec School Power Plant be arranged to provide stand by power for operation in case of need.W Fwd Dept--1/16 RB 1-22 NY request action 2/9 To--Appvs plan and est. 2/13
216958	3-5	NY	Report of inspection.W
216909	3/20	To NY	NSE 25-B and Bu records differ. Reqt further information. W NY 3/28 To--4/7
219973	3-17	NY	Establishment of radio operating room building 42; Communication Office.W.
226474	5/3	NY	Gives outline of radio ~~room~~ work for 1918-19.W To NY--Gives action on.9/7
227233	5/7	NY	Recommendations for Fire Island & New York.W
227385	5-9	NY	Fwds sketch showing change in remoat control for Yds and stations.W

NB—0120

[OVER.]

1915

Number.	Date.	From or To—	Subject.
165433	9-9	NY	Reqt shipment from Washn of Edison batteries for use audion W To--Have reqtd shipment of.9/10 To S&A--_Reqt for shipment. 9/10
167962	10-11	NY R	Station out of commission 1/2 hour for repairs
168563	10-14	NY	States allowance made by Bu is insufficient.W
175401	1-5	To Newport Via NY.	Radio traffic between New York and Newport; direct communication bewteen stations; rec re difficulty experienced in. W RB 1/26 Rwd Rad Ser-- 1/28 RB 2/2

1916

Number.	Date.	From or To—	Subject.
178369	2-7	To NY.	Kolster decremeter; asks disposition of.W NY is on charge; being used radio Lab 2-12
178634	2-7	NY	Submits request for supplies for.W Retd--Appvs. 2/11
181664	3-9 3-13	Nickola - Tesla Co NY To--6/7 Fwd NY--9/19/17	Rqt description. Cross to Publicity Fwd NY--Information confidential; cannot be furnished. 3/17 RB 3/25 Tesla protests against 4-20 To Nickola Co--Bu will be glad to coo operate in connection with. 4/24 Tesal; gives reasons for 4-28 To Tesla-- Further. 5/13 Tesla 5-16 To Tesla--Further data. 5/22 Tesla further 5-24

N.S.E. Form 134.

823 NEW YORK RADIO SAT:

Number.	Date.	From or To—	Subject.	
183119	3-31	To S&A.	Reqt shipment audion detecot and bulbs to NY for use of Elec Class. W	
183804	3/22 4/4	Dist Supt Supt Radio	Reports inspection.W	
174957	2/23	NY	Outline of radio work, 1917-18; items that will require over $500 expenditure	604
186422	5/5	To NY	Drawings of coordination plan; reqt certain prints to bring fule up to date	876
188277	5/18	To NY	Standard stock catalogue: class 16: radio apparatus and accessories, not classified elsewhere; S&A reqt proofs returned; reqt drawing numbers of	876
190660	6-7	NY Radio Sta	Request 2 variable condensers.W Fwd S&A--Rec be furnished from Wash.6/13 NY Reqt action. 7/7 Fwd S&A-- 7/10 RB 7/19 Fwd NY-- 7/21	
191853	6-24	NY	Replacement of present spark gaps.W To-- Authorized. 6/30	
195555	7/29	Atl Coast Supt	Quarterly report inspection.W	
	9-22	To NY.	NY Survey 34-86; asks which garwood receiver was survey. W-Y	

NB—0120

[OVER.]

NEW YORK: RADIO

1913

Number.	Date.	From or To—		Subject.	
110854	11-19	NY	69-61	Reqt. that Telefunken set with weeding out attachment now in store be issued to.W To---authorized.11/21.	
111130	11/24	To NY		Proposed installing one of 10-kw sets to be removed from SALEM and BIRMINGHAM. Asks as to supplying 120 volts D.C.current.W	
111643	11-28	NY	3054-855-10	Can supply D-C 120 volt current thru cables now run to station.W	
115569	1-17	NY		Have supplied additional inductance to get wave length 1600 meters.W Fwd Supt Radio.1/26. RB 129	
116029	1-24	NY		Fwds description.W	
119804	3-12	NY	3054-855-4	Aerial for radio station; estimate for buildingnew to replace one damage recent storm.W To---appd.3/14.	
120199	3-14	NY	3054-855	for San Juan Receiving set; states was issued to NY radio Sta; reqt instructions re shipping after survey or purchase of new receiver.W To---retain Telefunken receiver for use at NY.3/18.	
120552	3/23	To Phila,NY and S&A.		10-kw set removed from SALEM; request shipment from Phila to NY for installation at NY radiostation.	384-6

1914

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N.S.E. Form 134.

NEW YORK: RADIO 823

Number.	Date.	From or To—	Subject.
121068	3-25	NY 960-51	Recommends cancellation of JO for mfg wave changing switch.W
126117	5/13 5/27	NY NY	Submits estimate for installing 5-kw Lowenstein set.W Fwds Dept -- req appvl.6/2 RB 6 appd To NY 5/8
129029	7-2	Supt Radio 5234-204	Recommends installation of 5 cycle set; present set cannot be distinguished from static. W To Arlington.Bu has taken steps to install high frequency 5-kw set at NY yard.7/7
132837	8-29	Lowell & LeClair	& PHILADELPHIA: fwds measurements.W
133919	9-4	NY	Lowenstein sets; reports receipt of 3 from testing room; one assigned to Phila; Commandant recommends installat on of one set at NY Yd Contract 20615. W To N.Y.appvd. if will operate on 120 volts.8-5- NY have installed 5 kw Lowenstein cont 20615 9-18
134109	9-2	NY	Radio; estimate for repairing antennae and ladders, masts,etc.W To--Appvd. 9/11
154792	5-12	To NY.	Pierce wavemeter and Koaster decremeter; asks disposition if .W NY reqt return of wave meter shipped washn by mistake 5-25 Fwd S&A--Reqt shipment of. 6/4
164666	8-30	NY	Reqt authority to turn in obsolete articles. W To-- Appvs. 8/31

1915

NB—0120

[OVER.]

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NEW YORK, W.T .Sta

1912

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Number.	Date.	From or To—	Subject.	
62407	2/29	NY	BLDG. Station, recommends Yd station & testing station be entirely separate	913
63421	3/11	NY	APPARATUS: inspn of at Yard: takes exception to Clark's report and reqt that he be censured for derogatory statements which are not based on fact or investigation.	876
63851	3/18	NY T	APPARATUS; test of Telefunken appa. at 3.00 and 3.15	876
64516	3/25	To NY	TESTS: directs repeat sending test MARCONI set the 26th at 3.P.M.	903
70864	6/3	NY.Radio Sta	TESTS: reports on, Radio Laboratory,Bu.Stds.	903
78182	9-9	NY Radio Sta	Reqt. new antennae. Wswitch. W TO NY appv.9-17	
78256	9-12	NY 3054-116	Repair armature and solenoids. W TO ny appvd.9-18	
78861	9-20	NY 3054-120	& FIRE ISLAND: suggestions for modernizing.W To NY. Funds not available for any thing but urgent repairs, instructions re test-in connection with dropping Fire Island.	9/27

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N. S. E. Form 134.

NEW YORK STATION 823

Number.	Date.	From or To—	Subject.	
83998	12/2	NY	Will send long distance signals Dec.4th, with Lowenstein transmitter delivered under contract 17471, reqt Bu. Standards Listin	in. 898
			1913	
87021	12/21	NY	Annual report on library.W	
87793	12-31	NY	Fwds description.W.	
88096	1/18	NY	Reqt detector tester and compressed air condenser for use testing laboratory in connection with new specfs. for radio.	671--8
88675	1/27	To Lt. Comdr.A.J.Hepburn	Instructions to confer with Comdt Yd. re advisability of establishing a radio laboratory at that station.	632
93902	3-20	NY 299-2	Estimate for additional inductance coils and switches for and Fire Island stations.W To---Noted.4/3.	
94774	4/11	To Dept	Reqt permission to transfer radio 10 Kw set from Salem to New York.	384--6
99686	6/17	NY	Fwds prints, and photographs of radio sta.	876
106879	8/20	At.Fleet	Recommends increase in power to carry on Fleet work, also New port, Boston.	843

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[OVER.]

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NEW YORK W.T. STATION

FILE No.		From or To— (Dated)	Subject.	
28155	12/31	NY	Quarterly inspection, report	
28839	1/10	NY	Reports books now on hand at sta. Fwd Nav. 1/12.	
33382	3/4	N.Y	ANTENNAE: gives radiation	875
34379	3/18	NY	ANTENNAE: gives radiation:	875
36179	4/14	To Dept	BLDGS: W.T. reqt Y&D incorporate in estimates amount sufficient to erect at Guantanamo & NY	913
36392	4/17	TO NY	Directs installation of 10 kwset from BIRMINGHAM OR SALEM. W	
40879	6/12	To NY	Directs Wireless Spec.receiver be issued to Station, and older type be shipped to SUPPLY.	898
48725	9/8	NY 3054-51	Reqt. authority to renew conductors, insulators, etc. on aerial.W TO -- appd.9/16	
			1912	
58472	1/4	NY 3054-76	Reqt. repairs to break key and window panes.W	
60960	2/13	To NY	Intended to eventually install the 10-K.W. set of either the SALEM or BIRMINGHAM in W.T.station at yard.	384-6
61401	2/16	To NY	TEST: directs sent test letter D for ten minutes 3 p.m. using Wireless Improvement Co's panel set . Report radiation: inform commerical stations	903

NB—0120

N. Y. HERALD RADIO STATION

N.S.E. Form 134.

(See War Preparations - Confiscated Radio Stations)

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	

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Number.	Date.	From or To—	Subject.
654627	12/23	Norf 876	Fwds special report on new method on simultaneously increasing output of arc transmitters and eliminating short wave harmonics and mush by use of a current transmitting filter circuit W To Norf- Rel cost of transmitting set 1/10 To Norf - transfer authd 1/12/23 To Norf- reqsts status of transmitter 3/21/23
655262	12/29	Norf	Quarterly inspection report W

Number.	Date.	From or To—	Subject.	

NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
642137	9/18	JAG	Report of board of Inquest in case of L. G. Caldwell late radio man 3d class, due to electrocution. W. JAG- Further report covering death of Caldwell. 9/22. W. Fwds Navign 10/25 Fwds Navign 10/25	
642569	9/23	Y&D	Fwds specifications cov painting towers at Norf. and Phila. W.	
644377	10/6	Y&D	Additional allotments made to Norf. and Phila. covering painting radio towers. W. Y&D- Copy action to Phila. 10/6 W Y&D- Copy action to Norf. 10/6 W.	
647983	10/31	Dept	Copy of endorsement to 5th Dist rel to quarters for radio personnel. W.	

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NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
648747	11/8	Y&D	Repairs to roofs of buildings completed with savings under allotment W	
651292	11/27	Norf	Wave installed on tube transmitter and discontinued on arc. W	
652917	12/8	Norf	Quarterly inspection report W To Norf-- - Addnl funds have been allotted To S&A Reqst shipment of rheostats from Washn to SO Norf 1695 12/11	12/12
645578	12/22	Norf	Rqsts allot of $225 neccy to transformers at Norf Sta. W	876

4—3381

[OVER.]

NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.
635495	7/31	Norf. (T)	Radio sets grounded- Poyners Hill line out of commission due to electrical storm. W
		CANCELLED. see 919-24	
636505	8/7	Norf. (T)	AC Tube transmitter placed in commission W To Nav Communications- Details of report will be fwd upon receipt 8/15 W
636484	8/9	To S&A 86	Reqst shipment of arc key from Washn to Norf W SO
638500	8/22	To Norf	Naval Radio Sta Norfolk Wave Length measurement for 5 Dist Shore Radio Station- W
641185	9/12	Norf.	Request Drill press be shipt to Virginia Beach, Cape Hatteras and Morehead City. W Fwds Dept 9/16 To S&A Reqst shipment of tools from Hamp Rds to Virginia Beach 1111 9/22 To S&A Reqst shipment of tools from Hamp Rds to Cape Hatteras 1112 9/22 To S&A Reqst shipment of tools from Hamp Rds to Camp Glenn 1113 9/22 RB 10/2 Y To Cape Hatteras- Ask if shipment recd 1/17/23 RB 1/20 Y

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N. Eng. 134

NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
641290	9/13	Norf. (T)	Specifications and plans for projects at Cape Hatteras and Norfolk have been fwded to Y&D - ask when proposal will be issued. W. Fwds Ids & Docks cc Norf 9/15	
641527	9/14	Norfolk	Quarterly inspection report W To Norf- addnl funds are not now available to allot on project SB 44-E-23 10/18	
641281	9/16	To S&A 1079	Reqst shipment of material from Phila to Sc Norf W	
642008	9/19	Norf. (T)	Arc chamber for transmitter recd - door hinge broken. W.	
642014	9/19	Y&D	Copy of letter to Phila. rel to specifications cov painting of towers at Norf. and Phila. KW.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
628315	6/15	Norfolk	Quarterly inspection report W To Norf- comments 6/28	
628484	6/15	Norfolk	Norfolk distance control sta. Quarterly inspection, fwds report W	
629515	6/23	Norfolk T	Motor generator parts shipped to Wash Yard Wire service, Poyners Hill, Cape Hatteras interrupted W	
630080	6/27	Norf.	Request two new receivers and 2 amplifiers for control station. W To Norf- Receivers for 6/29	

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N. Eng. 134

NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.
632294	6/29	N.Y.	Confirms telephone conversation rel to transfer in appropriation charge of 1/2 K.W. transmitting sets to be drawn from store. W.
632312	7/11	Norf.	Gives reasons why truck was required for use between transmitting station and control station. W Norf- 7/17 W Norf- (T) Report on repairs being effected To Norf- 7/18 7/21 W.
632779	7/14	Norf. (T	Electric storms interrupted station operating- request action on requisition #66 cov repairs to typewriters. W.
632870	7/10 7/14	Ham Rs. Communications	Quarterly inspection report, radio stations and radio compass stations in 5th dist. W.
633211	7/17 Cancelled- see 919-28	Norf. (T)	Land lines between Cape Hatteras and Poyners Hill out- recommends instln of 1/2 KW spark transmitter at Poyners Hill; land line from Virginia Beach to Hog Isl. out. W.

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[OVER.]

NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
612990	3/9	Norf. (T)	Control lines out of commission due to plumber severing cable wires. W.	
614286	3/17	Norf. "	Request auth to loop in Navy yard transmitting station on DN circuit. W. Fwd Dir Comms cc Norf 3/24 RB 3/29. W. Fwds Norf 3/31 RB 5/16 W	
615325	3/24	Norf.	Quarterly inspection report. W. To Norf- Req'st inform rel need of and uses of truck between Norf Recg and Control Stations 3/31	
616073	3/29	Norf.	Quarterly inspection report. W. To Norf- Appvd as far as practicable to absorb charges 4/4 W	
616388	3/31	Norf.	Modifications to 30 KW arc anode holder fwds prints with comments on. W.	

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NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.
618526	4/14	To Y&D	Copy of letter to Norf. stating contractor cannot be required to make repairs to gutters under roofing warranty. W.
620297	4/24	Norf. (T)	Control lines and telephone lines from Base to Yard out of commission- due to submarine cable trouble . W.
620670	4/26	Naval Communications	Copy of letter to 5th Dist submitting comments on quarterly inspection reports radio stations in 5th Dist. W.
620765	4/26	Norf. (T)	Only 3 control lines at transmitting station and distant control stations working satisfly. W Norf. (T) 4/28 All control lines in commission. W.
624302	5/22	To Norf	Spare arc chamber W K
625178	5/24	Norf (T)	Control station relocated on 2nd floor of demonstration building- trenches for Ground station started at Virginia Beach; bid on motor boat at Poyners Hill opened. W.

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[OVER.]

NORFOLK RADIO STATION 1922

Number.	Date.	From or To—	Subject.
603133	1/4	Y&D	Copy of telegram to Norf. asking reason for poor condition of boiler and necessity to replacement.
603700	1/9	Y&D	Cpy of letter to Norf. stating approved credit card will be fwded cov saving under allotment, chargeable to Engineering 1922. KW.
604166	1/11	5th Dist.	Rqst auth for gasoline and oil for special transporation of communications personnel. W fwd 5 Dist 1/20
604905	1/18	To Norf	Failure of control and communication lines in 5 Dist W Norf 1/31 W
607888	2/3	Norf. (T)	TD set arrived at Va. Beach- transmitter too large for door. Hatteras fuel oil engine arrived at Yard. W. To Washn- Rqst sheets of forms inventory of loft material be furn cc Norf W 2/11

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NORFOLK RAdio STATION 1922

Number.	Date.	From or To—	Subject.	
608297	2/4	Y&D	Copy of letter to Norf. approving repairs to piping of cooling tanks for arc. W.	
609632	2/15	To S&A 9715	Reqst shipment of material from Norf to SO Norf W	
611651	2/27	Norfolk	Request list of block numbers furnished radio station, 5th Dist, to perform shipment on Govt bill of lading W Fwd S&A 3/3	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
571462	6/23	Norf.	Calls attn to cooperation and assistance recd from coast guard 5th Dist. especially from CO SEMINOLE. W. To Coast Guard 7/1 Cast Guard- 7/28 W
571460	6/23	Norf.	Calls attn to excellent cooperation and assistance from light house service in 5th Dist. W. To Dept Commerce 7/1 Bureau Lighthouses-7;8-W
572246	6/28	Norf.	Quarterly inspection report. W.
572467	6/29	Norf/	Quarterly inspection report. W.
572471	6/29	Norf.	Quarterly inspection report. W.
573282	7;5	Norf	Fwds report covering development of amplifing hand break key with vacuum tube transmission and reception.W
581717	8/19	Norf.	Requdst arc chamber be expedited. W. To Norfolk 8/22 Norf- Rqst action 12/16 W. To Norf- Gives Action 12/23
586585	9/21	Norfolk	Cannot submit monthly radio report for Sept due to shortage of personnel W

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NORFOLK 1921

Number.	Date.	From or To—	Subject.	
587542	9/27	Norf.	Quarterly inspection report. W.	
569589	FROM CARD 15		Norfolk 10/21 W Fwd Director Commdt 10/28 Fwd Norfolk 11/22 Norf- Further test wil be made. 2/6 W.	
602294	12/28	Norf.	Quarterly inspection report. W.	
9230	12/30	Norf	Fwds estimates cov cost of manufg of castings for N.Y. Yard- rqst opportunity to furnish all castings needed by Navy up to 15,000 pounds R	706

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[OVER.]

Number.	Date.	From or To—		Subject.
547621	2/20	Norf.	Copy	Report on small fire in Norf transmitting station. W.
		Communications- extracts from report of board cov file.3/8 W		Norf- Copy- Arc set out of commission due to fire in cupolo. W. 2/21 615- 12
		Navigation- Fwds Jag' report cov fire at station. 3/11 W		Norf- Subm report of fire with estimate cov repairs. 3/4 W.
		Fwd Navign 3/19		To Norf 3-8
		Fwd Dir Comms 3/19		
547805	2/21	Norf.	Copy	Lookout compass out of commission due to contractor installing radiator in coil room W
548234	2/24	Norf.	Copy	Arc transmitter in commission. W.
548234	2/24	Norf.	Copy	Transmitter in commission. W.
549277	3/2	Chasn.	Copy	Arc transmitter in commission. W.
552477	3/15	Guantanamo		Copy of letter to Atl.Coast Communication Supt submitting report on audibilities of arc signals from Norf. W.
552937	3/15	Guantanamo		Report covering audibilities of arc signals from Norf. station. W.
	3/22	Communications		Fwd Standard bu 3/25 RB 3/28 W
		Fwd Guantanamo via IM NY cc Comm Norf 4/5 W		To IM Norf 3/26
		Fwd Guantanamo cc IM Norf-NY 4/15		To Guantanamo 4/2 RB 6/21 W
553649	3/25	Norf.		Quarterly inspection report. W.
				To IM Norf- Reqst nform 4/16
554654	3/29	Norf		Quarterly inspection report W.
				To IM Norf Gives nform re cooling tank 4/20
				Norf- Subm estimates. 5/7 W.

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N. Eng. 134

NORFOLK

1921

Number.	Date.	From or To—	Subject.	
554849	4/2	To IM Norf	Instln of horns on receiving circuits; Reqst Inform W To IM Norf 4/14	
556835	4/12	To IM Norf	Reqst corr report be prepared and fwded to BU W Norf-4;26-W	
NOB3703	4/6	To Ind Mgr, Norfolk	Request for and Invoice of shipmt ashore. WR	
559612	4/25	To IM Norf	Desires meter wave assgnd to Norf Arc Transmitters be changed to 2400 meters cc Comm W Norf- 5/18 W.	
563028	5/9	Norf.	Subm estimates cov pipe railing around arc loading coil of marine barracks station. W. To Norf 5-19	
566464	5/25 5/27	Norf Y&D.	Subm estimates cov cost of construction of cinder road way. W. fwd Y&D 7/1	
569589	6-16	To Norfolk	Control linesbetween trans and distant control station W Norf 6/25 W	
10/16		Norf- Recommends proposed circuits be installed. 10/7 W To Dir Comm Reqst Inform 10/12 RB 11/12 W	Norf- Gives instrns cc 5 Dist 10/12	
570514	6/18	Dept of Public Safety Norf	Ask if can obtain radio set from Norf for instln at police headquarters. W	898

NORFOLK

Number.	Date.	From or To—	Subject.
499757	6/15	5th Dist.	Recommends lease for room occupied by Dist. Communication Supt. be discontinued and space be provided in Hydraulic Office W. Fwd Comm 6-17
505994	7/16	Norf.	Improvement of antenna system at Marine Barracks stations- fwds prnts with estimates. W
506307	7/19	Norf.	Recommends radio accounting clerk be authorized in conn with accounting of expenditures, light vessels, compass and radio shore stations. W. Fwd S&A 7/30 copy Norf RB 9/8 W
506306	7/19	Norf.	Request radio stations be authorized to purchase fuel from nearest local agency, securing contract. W. fwd S&A copy Norf 7-28 S&A Copy of action to Norf. 8/10 W.
511120	8/3 8/11	Ham.Rds. Norf.	Calls attn to port ventilation of sound proof booths. W. To Norf. appvl recs 8/17
512273	8/17	Y&D	Copy of letter to 15th Dist stating allotment of $1,000 covering boat House at Balboa station should be for Cape Malo.Sta. W.

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N.S.E. Form 134.

NORFOLK

Number.	Date.	From or To—	Subject.
524294	10/19	Norf.	Recommends 3 pairs of cables be leased from C & P telephone Co. - fwds copies of contractors letter in conn with. W. fwd S&A 10/22
526394	10-29	Norf	Report on adjustment of wave lengths for arc and spark signals; W To Communications schedule for tests fwds 11/8 To Bur Standards- reqst compass bearings be taken 11-9 Bur Stand. Labr. Fwds schedule and report of test. 12/3 W To Bur Standards 1-8-21
532201	11/27 12/1	5th Dist. Communications	Fwds data sheets on test. W. fwd Bur Standards 12/4 RB 12/8 W
534740	12/13	Norf	Calls attention to improper addressing of 685 request for information concerning material under cognizance of supply officer- specific instance-Bu's letter 531581-898 Nov 30 reached S.O. Dec 7th. K
537050	12/27	Norf.	Quarterly inspection report, W. To Y&D 12/31 To Norf 1/4/21 Y&D- Copy of action to Norf ". Y&D- Fwds sketch. 2/4 W. fwd Y&D 2/10/21
544624	2-8	To Norf Tel	Advise when adjustment wavemeters made W Norf- 2/12 W.
546488	2/11	Y&D	Copy of letter to Norf authorizing instln of winches on foundations for radio towers. W.

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N.S.E. Form 134.

NORFOLK

13

Number.	Date.	From or To—	Subject.	
458011	11/17	To S&A	Reqst shipmt from Washington to Norfolk radio apparatus. W RB 12/18 Norf. 1/12 To I.M. Norf- 1-19	
460586	12/3	To S&A	Reqst shipmt from Washington to Norfolk 100 radio batteries. W RB-1;10	
462138	12/10	To S&A	Reqst shipmt from Washington to Norfolk radio appr. W RB 2/9	
462480	12-12	To S&A	Reqt shipment radio helmets from Chi to Hampton Rds. W RB 4/20 W. Inspr Chic- Copy of action to Ham.Rds.12/17	
~~46x~~				
472047	1;26	Comm	Have informed 5th Dis that the suspension of 2400 meter watch has been disapproved.W fwd Norf 1/28 cc to Commun RB 2/7	
474203	2/4	Norf.	~~Quarterly inspection report.~~ W. To Norf- reqst further report rel installn 2/6	

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NORFOLK

Number.	Date.	From or To—	Subject.	
484522	3/29	Norf	Quarterly inspection report To IM Norf- reqst further details- 4-7 Norf- Test under way to improve efficiency of transmitter. 4/12 W.	W.
485919	4/6	Norf (T)	Subm report on audibility using underground antenna.	W.
486359	4/8	Y&D v	Request allotment covering up-keep of grounds at Marine Barracks Station, Norf. To Y&D $3200 mad3 4/10 copy IM Norf Y&D- Copy of action to Norf. 4/13 W.	W.
464310	4-6	Norf	Outline of radio work Marine Barracks radio sta; W	604
488578	4/14 4/20	5th Dist Communications	Quarterly inspection report, transmitting station, Marine barracks, Norf. Fw Comm 4-21	W.
490238	4/27	Norf	Subm recommendations covering rearrangement of antennas.	W.
495914	5/1	To Im Norfolk	Supervision of radio material activities within various naval districts in accordance with general order 519- Instructions covering copy Comdt Charleston W	914
497271	6/1	Norf.	Southern Gas Assn. request authority to visit Marine Barracks, radio station, during inspection of Yard. To Norf- grants permission to visit Marine barracks ith inspection 6-4	W.

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N.S.E. Form 134.

1919

12

NORFOLK:

Number.	Date.	From or To—	Subject.	
442755	8;6	Norf	Mfg of shock coil 30 kw arc transm req, reqst action. W To Norfolk- Contract awarded to Fed Tel Co 9/4	
443048	8;29	Norf	Sub plans of wiring Norf Radio Station.	W
443477	9-3	Norf.	New arc and spark plug report.	
446064	9-17	Norf. 761	Fwds summary of progress of establishment of new arc and spark sta at Marine Barracks and Naval Operating Base.	W
449120	10;2	Norf	Sub progress report on new arc and spark station. W	

Number.	Date.	From or To—	Subject.	
452711	10;18	Dept ?	Sub progress report on establishment of new arc and spark station at Marine barracks and distant control stations.	W
456029	11;4	Norf	Sub progress report on establishment of new arc and spark station. W	
456029	11/7	To Norfolk	Infor reqstd date of operation may be expected station Norfolk. cc to Com DCS 5th Dis Norf- New Radio Station will be in complete operation by 12/15. W. 11/17	
456818	11/7	Norf.	Request shipt order be issued covering emergency receiving equipt for radio sta Marin Barracks. W.	
458495	11/18	Y&D	Contract 3546 covering radio building at Norf. complete August 1919. W.	
458505	11/17	Norf.	Subm progress report covering establishment of new arc and spark station at Marin Barracks and District control Sta, Naval Operating Base. W. To Norf fwd no further progress reports 11/20	

NORFOLK:

Number.	Date.	From or To—	Subject.	
434429	7;21	5th Dist	Quarterly inspec report Norf Radio Station. W	
434899	7;23	Norf	Arrangements for power, fwds prints, W	
434871	7;21 7;23	8th Dist Com	Quarterly inspec report Norf Station. W	
435861	7;28	Norf	Proposed arrangements for antenna leads for ne Norf radio station, fwd prints. W	
436109	7;29	Norf	Fwds prints showing proposed arrangements of app. W	

Number.	Date.	From or To—	Subject.	
437323	8;4	Norf	Sub summary of progress of estab of new arc and spark station. W	
438575	8;7	Norf	Transm station at Marine Barracks, fwds prints showing arrangement of. W To Norf- approval of instaln 8/18	
439732	8/16	To S&A	Req ship from Wash to Norfolk one radio aud meter W	
440234	7/31 8/15	CO Dept	Reports damage to propellers, while proceeding to Norf- reqst spares be shipped P Snd- calls attention to shallow channel to Norf - Y.	562-14
440743	8;19	Norf	Estab of new arc and sparc station, report cov. W	
440218	8/19	To S&A	Req ship from Wash to Norfolk one radio ampl for installn Hampton Roads W R.B 10;22	

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Number.	Date.	From or To—	Subject.	
416294	5-6	To Norfolk	Info reqstd apparatus recd Norfolk, shipment by freight 4-14 and 4-15, W Norf 5;16	
416423	5-9	To Norfolk	Reqst installn and testing of antenna arrangement at Norfolk. W Norf 5/23- Rqst vandykes listed - To Norf- fwds prints 5-28 Norf 6;7-Sub revised plans of antenna arrangement. To Norf Tel 6-12	
416918	5;10	Norf T	App received, not yet installed. To Ports- Tel 5-9	W
419304	5-20	To S&A	Req ship from Washn to Norfolk two radio selector switches W	
421891	5-31	To S&A	Req ship from Washn to Norfolk five audion charging panels. W RB 6;15	
424185	5/15 6/8	Norf Operations	Report of bd of investigation on lack of co-operation between industrial and Supply Departments at Norf Yd. States conditions can not be made satisfactory until a large storehouse and suitable administration building is supplied. Recommends removal and transfer of certain shops et cetera A	615912

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Number.	Date.	From or To—	Subject.	
426320	6;16	Norf	Fwds summary of progress on estab of new arc and spark station.	W
425971	6-18	To S&A	Req ship from South Brook to No f radio appr for instaln Norf. W RB 6;18	
425971	6-21	To Norf	Auth expend of $500.00 W	
433144	8;22	Charleston	Asks when Treasury will furn portable house.	W
433957	7;18	Norf	Reqst auth to draw from stock one radio tel set and instal same at Norf Yrd. fwd Commun. 7/22 RB 7;24 To Norf cc to DNC- req not approved 7/25	W
433898	7;17	Norf	Sub progress report on estab of new arc and spark station, at Marine Barracks.	W

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NORFOLK.

Number.	Date.	From or To—	Subject.
399771	3-3	Norfolk	Establishment of new arc and spark station- fwds progress report on- W
	Norf- Rel to wave lengths to be provided. 12/2		To Norfolk- notification of gen fwd 3-13
			Norf-Fwds report on status of work. W 3;20
			To Norf- Fwds Fed Tel Co drawing 3-31
			To Norf. concurs in recs 12/8 copy DNC and DCS 5th Dist
400502	3;7	Fed Co	Fwds report of material shipped cov antenna. fwd Norfolk 3-12 R B 3;19
401086	3-10	To Dist. Com Supt Naval Base Norf.,	Advises re shipment of radio material contract 1345 2-5th-18-
			To Norf- returns BLs 4-17 RB 4;30
			fwded H Rds 5-14
			Hampton Roads-Asks what instruments were shipped. 5;28
401051	3-13	To S&A	Req shipment from Washn to Cape Hatterson N/C. radio receivers-
404449	3-22	To S& A	Reqst shipment from Fleet Base S Brook to Norfolk five 5-KW spark gaps -- R B 5/31
406658	3;27	Y&D	Cupola of radio station, req Bu expedite delivery of glass. W
			To Y&D- author alterations 4-2
			Norf - 4;26
401091	2;13	TO S&A	Received back 4;7

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Number.	Date.	From or To—	Subject.	
406860	3;29	Norf	Req provide pedestal type porcelain insulator for new radio station marine barracks.	W
37008	4/2	Federal Tele Co.	Power and control circuits for Norf. 30 KW apparatus- fwds print. W	629
407713	4-3	To Norfolk	Advises re shipment of radio transmitters asks installn of, W To Norf- will ship ap r in 60 days for transmitter, 4-9 Norf. 4;13 Norf-Ask when motor generator set will be available. 12/2	
	To Norf. shipmt made from Pitts to Nor about 11-11-19 12/5			
409234	4;5 4;7	Norf Y&D	Req authority to change dimensions of shaft to cupola, submits estimate. To Y&D- allot of 142.00 4-11	W
415443	5;1	Norf	Sub progress report of estab of new arc and spark station at Marine Barracks. To Norf- info reqst insul now avail 5-5 Norf 5;19	W
415291	5;3	To Norf	Under gr antenna rec sta. Hampton Rds. will send rep. Norf-Recs for improvements with prints and estimate 6;18 To Norf- reqst work be undertaken 6/24 expend of 4500 auth	W
	Norf 6;27 To Norf- rel to ship of receiver 7/3 To Ports Tel 7/17 Norf-All work stopped due to exhaustion of appropriation. 7;18			
415521	5-5	To S&A	Req ship from Washn to Norf three sets transmitting, W RB 5;28	

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NORFOLK

Number.	Date.	From or To—	Subject.	
390069	1-31	To S&A	~~Reqts shipmt from NY to Norf-1 5-KW~~ radio transmitters	W
391744	2-3	To Lowenstein Radio Co	- Asks that fwdd to Indus Manager Norf drawing showing wiring and overall dimensions of A.C. starting equipmt and transfer switch gear To Norf- RE installn of above 2-3 Lowenstein Radio Co 2-6	W
392110	2;4	Fed Tel Co	Gives over all dimensions.	
391897	2-6	To S&A	Req shipment from Phila to Norfolk radio tel material fo C G Sta 161 Cape Henry-	
393884	2;10	Y&D	Sub estimate for station. additional allotment of $7,500 necessary. Fwd Secy Navy- 2/12 To---States that ref. were recd. 2/21	
392118	2-11	To Ind Mgr Norfolk	Fwdg for your info drawings K-1807584 and K-1826082 showing overall dimensions of 30 KW arc type motor generator- W	

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Number.	Date.	From or To—	Subject.	
394472	2-13	To S&A	Rqst shpmt from Wash to Norfolk 1 short wave wave meter type SE-392 - W To Norf 3 -15 Request acknowledge receipt of material. RB 3;21	
394822	2-14	To Ind Mgr Norf	Fwdg copy of report from Inspr Federal Telegraph re 30 kw arc transmitters- W To Norfolk- acknow receipt of info from Phila re radio antenna matrl 4-Norf 3;18 New York 5;8 To Norf- fwds copy Norfolk 6/12 of letr 3/25/19 6/30 To Norfolk fwds copy of letter 3-18 3-25 To NY- reqst survey of material 3-25 NY-Material not in stock. 3;21 New York 4;3 To NY- asks info if material can be pu chased in NY and shipt to Norf 4-8 RB 4;15	
395833	2;17	Norf	Fwds summary of progress of estab of new arc and spark sta at Marine Barracks. W	
395886	2;15	Y&D	Copy of letter to Y&D stating comp of work on cont 3546 due on or befor 5;14.	
397326	2-25	To Norfolk Mgr	Reqst purchases be discontinued for parts of insulators type SE 948 drawing RE 61F 122B superseded by appr type 1454 plan RE61F 149A To Norfolk- fwds print 3-13	
399657	3-4	Federal Teleg. Co.	Fwds 3 vandykes and 3 blprt copies of the Norf 30 KW land station - W	

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NORFOLK:

Number.	Date.	From or To—	Subject.
291914	SEE CARD 6 & 5		Norfolk-Fwds req for supply of furniture.
	auth for that part necessary 12-30		2;9
	Norf-Sub prog report. 3;17		Fwd Dept 12-13
	Norf-Progress report 4;2		Norfolk-Status of report. 12;17
	Norf-Progress report 5;17		To Norf-Reqts that reqtn for furnisture be made out as usual- purchase in advance of apprl
	Norf-Prog report 7;2		Norfolk- Progress report 1;4
377364	12-14	To S&A	Reqts shipmt from Phila to Norf- Radio compass coils-switches 2 controls W
377365	12-14	To S&A	Reqts shipmt from Wasn to Norf Radio a pp as listed Installn on ANTIGONE and MERCURY W
378669	12-24	To Norf	Fed Tel Co informs that entering insulators completed cannot change diameter of holes 30 KW Arc transmitting Station W To Federal Tel Co-In re above-No further action will be taken 12-24
382000	1;2	Fed Tel Co	30 kw radio equip for Norf to be tested 1;5 To Norf-Tests to be completed Jan 10th 1-8
382587	1-6	To S&A	Reqts shipmt from Phila to Norf 2 radio compass coils and houses for troop transports W RB - 2;12
382968	1/6	Norfolk	Finished plan of present yard radio station, wiring of transm apparatus, fwds prints. W.

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NORFOLK:

Number.	Date.	From or To—	Subject.	
385035	1;13	Fed Co	Fwds prints giving overall dimensions part equip be mfg by G E Co.	
384747	1-14	To S&A	Reqts shipmt from NY to Norf- 1 Genco Gas engine battery charging unit	W
384119	1-13	To S&A	Reqts shipmt from NY to Norf 1 Genco gas engine battery charging unit RB 5;6;19	W
385713	1;15	Fed Tel Co	Asks if company shall endeavor to have Genl Elec Co make earliest deliv of two motor generator sets for Norf Station. To Norf- Gives info re installn of arc equipmt 1-28	W
386137	1;16	Norf	Submits summary of progress of estab of new arc and spark station at Marine Barracks.	W
389980	1;29	Fed Tel Co	Fwds copy of Genl Elec Co drawings, gives wiring diagram of motor generator sets at Norf. To Norf- fwds print and report 2-28	W

NORFOLK

Number.	Date.	From or To—	Subject.	
354949	10/4	To S&A	Reqts. shipt. of radio apparatus from Wash. to Norf. for Rad. Laboratory.	
355388	10/7	To S&A	Reqts. shipt. of radio apparatus from NY to Norf. for stock. RB 8;8;19	
291914	SEE CARD 5 To Norf re establishment of new arc and spark set 11-7 To Norf. Re reqn for new arc and spark stations, 11-14 12;2 W	Norf-Summary of prog. Received back 12;26 CARD 7 from Dept	To Norf- RE type of antennas rec in their let Norf Oct 7th reqts that new transmitting station be epedited to completion W To Norf- In re above 10-25 Norf-Prg Rep 11;16 Norf-Fwds prints 12;12 Norfolk-Rec authority for instal of cond for transm. 10;29 Norf-Sub report 1;16	
356621	10-15		Fwd Y&D- RE outriggers for towers-Nav Radio Sta -Norf W	
356712	10/10	To Pearl Harbor(T)	Advise whether guys on Kahuku towers will be removed in case towers are dismantled and re-erected elsewhere, W	
359649	10-21	To Norf	To Norf- Authorized to draw from store and install on CRAVEN 1 short wave receiver W	
359826v	10-19	To S&A	Reqts shipmt from Wash to Radio Lab Norf radio app for installn on CRAVEN -cancelled W ~~Western Elec Co - 12;10~~ Norfolk 12;10	

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NORFOLK:

Number.	Date.	From or To—	Subject.	
356621	10;7	Norfolk	Req reconsideration against powers. W	
364207	11-1	To S&A	Reqts shipmt from Wash to Norf- 100- batteries for stock Shipment order Nov. 21 R.B. 12/16	W
373171	11;29	5th Dist	Transm out of commission, control and circuit transferred to So Dekota. W	
372812	12/7	To Norf.	There are fwd. blueprint copies of drawings listed. Fed Tel Co-Installation drawings for Norfolk 30 kw station fwd. W 1;3 To Norf- Fwds bprints as lists applying to Federal arc installn 1-14	
375782	12;7	Fed Tel Co	Fwds print showing glass for antenna endurance window at Norfolk. W	

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NORFOLK.

Number.	Date.	From or To—	Subject.	
292073	3/26	To S&A	Reqt shipt of audion batteries from Wash to Norf. W Shipment order RB 4-8	
292063	3-26	To Norf.	Arrgt to have amat from Radio Lab accompany flying boat trips when there is a radio set under test. W.	918.
278372		CARD 5	Norf-Gives situation relative to power supply system for new Norfolk radio sta.W To Norf—Gives action taken.3/30 To Y&D—4/1 RB 4-8	3-26
295387	3-31	Norf	Station routine. W	
296365	4/6	Norf	Reports reason for delaying station broad casts.	
300908	4-23	Norf	Reports 5 kw radio motor generator in store received from N Orl - request disposition.W To S&A-Rqst shipment from NY to Norf radio apparatus--5-3 To Norf—Motor generator to be held at Norf-5-6	
300910	4-23	Norf	Request new spark gap for station. W To Norf. Asks if rad. apparatus rec'd. 8/17 Rec 8/26 ~~Ship Order 5;3 received back 8;21~~	

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1918

NORFOLK

Number.	Date.	From or To—	Subject.	
261623		See Card 5	To Y&D. Allots amts for relocation of Rad. Sta. 7/19 **To Y&D re increase of allotment for bldgs 11-8**	
331050	8/2	To Western Elec. Co.	Asks if any trace found of 2 m-generator charging sets. for Norf. W Western Elec Co 8/17	
372812	11;27	Fed Tel Co	Outline of drawings for Norf.	W
359826	12/5	To Norf.	Reqt. forrect. for radio apparatus shipped.	
375464	12;5	Fed Tel Co	Req information regarding switchboard equip for Norfolk land station. W	
375166	12-7	To S&A	Reqts shipmt from Phila to Norf-1 radio compass coil	W
375167	12-7	To S&A	Reqts shipmt from Wash to Norf radio app for C.G.Sta 155 12-7 **Shipment order back 1;4**	W

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NORFOLK

Number.	Date.	From or To—	Subject.
254183	10/10	Norf	Fwds prints showing operating station wiring diagram.W
261693	11/17	Y&D	Norf contract awarded Aetna Steel Products CO.W Y & D Fwds blue prints in connection with increase cost foundations. W 6;24
261673	11/20	To Y&D	Will withhold allotting money for radio tower foundation until discussion on location of an arc radio set at Norf i s settled. W
To Y&D—Gives action on ests.2/4 261623 11/21 To Norf and ests and submit to Bu.1/19 To Y&D—1/21-RB 1-30 SEE CARD 6. To Norf—Reqt complete ests.2/2 Norf-proposed modifica towers.2/19 266914 12/14 To Norf			To Y&D—2/16 Fwd Y&D—2/26—RB—3/2 OVER Arc set for. Reqt submit plans of new radio building, etc., Spark set will be at Jamestown.W Norf—12/20-fwds prints.W Fwd Y&D—Reqt ests and recommendations.1/10 To Y&D—Directs prepare modifications to plans Ask where location is to be of new 30 KW arc transmitter set at Yard. W Norf 1-16
To Norf—Appvs ests.3/12 278372 2/2 To Norf Director Nav Comm-Appvs.W 3-4 Norf - W. 3-5 Norf - Revised estimate.W 3-8 To Norf—Fwds Description of Instrns for transmitter.3/11 282964 2/21 To S&A			Distant control apparatus. Fwds Vandykes as listed with detailed comments re install. W Norf—2/14 To Nav Com—Detailed recommendations.2/26 CARD 6 To N av Com—2/27 2/27 To—Directs expedite manuf and install of panels. Reqt shipt of trans set from NY to Norf. W To NY—Instrns re shipt.2/21 received back 7;22

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Number.	Date.	From or To—	Subject.	
284039	2/25	To Nav Com	Long range airplane radio test. Instrns in connection with. W	
261623	OVER		To Norf—Fwds Antenna blueprints.3/2 Fwd Norf via Y&D 3/5 Norf—fwds prints.3/11 Fwd S&A—3/18 Fwd Y&D—Reqt furnish Bu ests.3/18 Fwd Y&D 3/27 RB 4-12 Y&D—Have written Norf for detailed info as to proposed location.W 4-1	
288674	3-11	Norf Radio Station	Routine - forwards report on. W	
290073	3/15	Y&D	Increased estimate for alterations and new installations.W To Y&D—Makes allott with comments.3/25 Y&D-makes addtl money allotment.3/27	
290294	3-14	Norf	Submits report of status of distance control station at Norfolk. W	
289437	3/18	To S&A	Reqt shipt of trans set from Wash t Norf. W To Norf—Instrns re material to ship.4/2 To Norf—Gives action.4/2 Fwd? S&A 7/29 S&A - 7;11	
291914 CARD 6 dup	3/11 3/23 Norf—fwds copy correspondence Y&D rel to final location.4/18	Norf CARD 6 & 7 Y&D	Proposed relocation of radio towers and modified antenna arrangements-fwds drawing and map of Norfolk yard.W To Norf— Bu arranging to furnish generator sets for new location—5-2 Norfolk 5/9-Submits revised allotments requested. Norfolk- Asks number of generators to be instal in radio station at Marine barracks. work on foundations will be completed in about three weeks (Norf. 10119)	8:26

To Crocker-Wheeler Co. Reqts. drawing showing mounting dimensions. 9/6

To Norf. Advises re motor generators.9/6

To—Fwds. blueprint copy of drawing.9/24

To— Fwds. blueprint copy of drawing.9/25

[OVER.]

1916

NORFOLK YARD RAD O

Number.	Date.	From or To—	Subject.	
200721	9-12	Dist Supt	Report on inspection.W Fwd Norf--With recomm and est. 10/3 To Norf--Gives action on. 10/30	RB 10/28
202090	10-3	Dept	Inspection report. W Fwd Dept--10/17	
209054	12-12	At Coast Supt	Report of inspection.W Fwd Dept--12/22	
209018	12/22	To S&A	Reqt shipt of ultraduion from Wash to Norf. W	
			1917	
213132	1-3L	Norf	Fwds inspection report.W Fwd Atl Cost Supt via Nav Com--Noted. 2/15	RB 2-20
215490	1-27 2-19	Norf Director NC	Recommends location be changed to administration office.building.W Fwd Dept--Concurs in. 2/23 To--Change auth. Reqt map and rec.3/12	RB 3-10
224215	4/19 4/21 Norf rec. for location of tower 5/31 To Y&D--6/5 To Y&D--7/10 Y&D quotes telegram from Norf stating work discontinued 7/14 To Capt Todd--8/25	Norf Commandant	Change in location of station at yard; submits estimate, plans, etc.W To--Reqt further ests.4/26 Norf fwds print and estimate for changing location 5/10 To Y&D--Gives action taken.5/21 To--Appvs ests as listed.5/21 To Norf--Reqt recommendation of old gen now in use after install of new. 5/25	

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NORFOLK YARD RADIO. 824

Number.	Date.	From or To—	Subject.	
224463	4/24	To S&A	Reqt shipt of radio practice buzzer and blinker set from Wash to Norf for. W	
237472	7-9	To Atl Fleet.	JAMESTOWN Reqt recom endations relative to establishment of a radio station at and continuance of radio station at Norfolk, etc.	615-19
238837	7/14	Norf	Recommends distant control be installed and the work of remodelling building 33 for radio quarters be proceeded with. W To—Appvs rec. 7/18	
239973	7/20	Norf	Submits estimate for installation of distant control radio circuits from building 33 to radio station. W To Norf—Appvs est. 7/26	
247668	9/7	To Norf	Outline of radio work 1918-1919. Lists expenditures auth. W	
224215	OVER		To Y&D—Reqt proceed with work on Norf towers. 9/28	
251747	9/28	Y&D	Radio - remodeling of.	
252825	10/4	To Nav Com	Report of messages received and sent at Norf. Fwds. W	

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[OVER.]

NORFOLK: RADIO

1914

Number.	Date.	From or To—	Subject.	
115868	1-24	Norf R from NY rush.	Clark reqt that 20 condenser jars be shipped W (R)to---telegraphic request made for shipment.1/24. To S&A.request shipment.	1/24
117091	2-6	Norf	Reports installation of tune shifters and oscillating transformers; asks re disposition of old material.W. To---& S&A.request shipment to NY. Primary variometer coils to be shipped to FLUSSER.2/9 RB 2 21 Norf.	
134019	9-5	Lowell, Lt	Measurements. W	
141863	12-5	Comdt.	List of vessels reqs. be sent to Yard	774

1915

156962	5-19 6-4	Norf Supt Radio	Re failure to communicate with merchant vessel: realtive to wave length used.W Fwd Rad Ser--Will install new apparatus. 6/23 To Norf--Have reqtd shipment wave changing switch from Wash: reqt est installation. 6/23 RB 7/2 To S&A-- Reqt for shipment. 6/23	
		To Norf--Appvs estimates for installation: 7/2 To Norf--Install before Aug.28th. 7/14		
158565	6-17 6-21	Norf Supt Radio	Reports i nability to shift from long to short wave rapidly: reqt new tune shifter. W Fwd Rad Ser-- See 156962-824. 6/23	
158957	6-24	Norf	Reqt station be given new model tune shifter.W To--Will provide. 6/28	
164137	8-21	Norf	Change in spark gap: recommended.W To - approved 8-24 Norf est 9-22 To--Appvs est.9/3	

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Number.	Date.	From or To—	Subject.	
178370	2-7	To Norf.	Telefunken wavemeter; asks disposition of. W Norf shipped NY June 6 2-12	
179561	2-19	Norf R	Out of commission; present crystal not sensitive. W	
181683	3-14	Norf	Quarterly inspection. W	
182233	3-9	Dist Supt	Report of inspection. W Fwd Norf--For comment and estimates regarding installation of 1-1/4 K.W. charging motor generator. 3/27 RB 4/11 To Norf--Comments on. 5/15	
174957	2/11	Norf	Outline of radio work, 1917-18; items that will require expenditures of over $500	604
190769	6-13	Supt Radio	Inspection; fwds report. W Fwd Norf--For comment and rec. 6/16 RB 8/21 Fwd Y&D Via Communications--8/31 RB 9/16	
190809	6-13	Norf	Recommends duplicate frequency changer sets be submitted and that the 125 volt circuit be extended to yard radio station as emergency source of supply. W To--Have rectd Y&D to arrange for. 6/20 To Y&D-- 6/20 Norf transformer generator set; recommends rewinding 7-10 To Norf--Appvs; submit estimate. 7/18 Y&D Copy of letter to Norf directing installation of 125 volt circuit into radio station 8/1	

Norf submits estimate 8-15
To Norf-estimates appd 8/22
To Norf--Funds not available for pneumatic tube. 9/18

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NORFOLK WIRELESS STATION

Number.	Date.	From or To—	Subject.	
40780	6/7	Norf.	Reqns 290: relay & key have passed inspection: reqt instruns. re payment.	629
33226		See Card #1	Relocation of station. Fwd Norf. Directs proceed with installation. 8/9.	
46745	8/17	Norf	Fwds reports and photos of apparatus installed in connection with calling wave lengths. W To--Comments. 10/3.	
50541	10/5	Norf	Actual work of installation started to Oct. 16. To---Directs proceed with installation: Clark will be ordered in about 4 weeks. 10/28.	
			1912	
74335	7/26	To Norf.	Log: ack receipt with favorable comments; instructions re making entries in. W	
75811	8/12	Norf.	M.& W. Kerosene engine #6006; asks if Bu has prepared requisition to replace generator which was removed for shipment to Colon. W To-Norf. reserved for light shit #71. u8/15	
76624	8/12	Norf.	Requests spare motor. W To---Directs submit reqn. 8/26.	
80619	11-4	TO	Appvs installation separate aerial.	914
85854	12-9	Norf	Reqt. thermometer. W	
			1913	

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NORFOLK WIRELESS STATION. 824

1913

Number.	Date.	From or To—	Subject.
87003	1/7	Norf.	Requests Western Union code book.W Fwd Nav. 1/10
88532	1-24	Norf	Description.W.
105081	9-2	WYOMING	Report of inspection by Lt. Hooper. W Ref. Supt. 9-8
		1914	
114334	1/7	To Norf.	Signals suggest some detrimental change; asks if any metal structures or buildings with metal roofs have been erected close to station.W
115056	1/15	To NY (R) To Norf,S&A	Reqst shipment material from NY to Norf.for LOUISIANA and NEW HAMPSHIRE.W NY asks what transformer is to include.1-16 (R)to-NYdirects refer question of apparatus to be shipped to Sub inspr.Clark.1/16
115309	1-16	Norf	Reports on conditions surrounding station; no metal structures adjacent.W
115378	1-17	NY R	Will ship transformer,etc. by Jan 17th boat.W
115573	1-20	NY	Gives list of material shipped to.W

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[OVER.]

FILE No.		From or To— (Dated)	Subject.	
32402	2/23	Norf.	TARGET PRACTICE: reqt interpretation on relative to damage to wireless during experiments with SAN MARCOS	749
33226	3/8	Clark, Geo.H.	Submits report on reelocation of station. W. Fwd Norf. for comment and rec 3/8. RB 6-12 To Norf. Asks if Bldg 53 is available; directs estimates be prepared. 4/27 To Norf. Reqst est. for preparing room in bldg 51. 6/17. BL RB8-2 Fwd Dept via N&D	See Card #2/ rec appr. 8/3
33244	3/8	To Norf	TESTS: directs certain be carried out wiht station and ships at Yd and Hampton Roads	903
33335	3/9	To	METERS: wave: reqt 245: fwds copy of: to be used for purposed at Stations in vicinity	893--4
33903	3/14	Norf.	ANTENNAE: gives ~~xxxx~~ radiation	875
33882	3/15	Dept	WASHINGTON: communication to be suspended with until dispersal of At.Flt	840
35910	4/11	TO Norf & NY	Shipment of lightning switch to Norf. W. To NY Switch to be of type C - 18308-A. 4/12	
35912	4/11	TO Norf	Fwds copy of reqn. 290 oscillation transformer. W To S&A. Reqst shipmt of lighting switch NY to Norf. 4/11. To S&A Reqst point of del. be changed to Norfolk. 4/14. To Norf. Reqst that item 1 be changed from Wash. to Norf. Yd. 4/15.	
36081	4/12	TO Norf, NY & S&A	Directs shipment ~~xx~~ of insulators. W	
39241	5/12	Norf.	MESSAGES: corrects position given by SS City of Montgomery in connection with message from.	892

NB—0120

NORFOLK

(See Direction Finder Stations, 919-1.)

Number.	Date.	From or To—	Subject.	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

[OVER.]

NORTH ELBOW CAY: RADIO STA.: (SEE WAR PREP.: CONFISCATED STATIONS.)

Number.	Date.	From or To—	Subject.	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

POINT ARGUELLO 1922

Number.	Date.	From or To—	Subject.	
617089	4/3	Y&D	Copy of letter to MI approving development of water supply. W.	
623494	4/24 5/13	Mare Isl. JAG	Water right for Point Arguella station- fwds proposed contract with Sudden Estate Co. cov. W. Fwds Judge Advocate General 5/17 RB 6/3. W Fwds MI 6/7	
653250	12/7	M.I.	Fwds photographs of water projects at Point ARGUELLO W	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
584203	9/1	MI	Request 2 KW generator in lieu of Delco lighting set. W.
		To MI- Gives com ments 10/6	To MI Authd 9/12
584311	9/2	Pacf. Coast Supt	Propose closing Point Arguella and Faralone. W. MI- Copy action to Communications 9/22 W San Diego- 9/22- Recommendations. W. Fwd Dept via Dir communications 10/8
584093	9/8	To MI	Boundaries of radio station reservation; Reqst prints W MI- Fwds prints showing boundaries of radio station reservation. 9/15 W. Dept 10/21 Fwds letter from Dept of Commerce W To Secy of commerce- expresses appreciation for Action taken 10/29
588			To MI- Fwds correspondence cc Pacific Coast Com - 11/2 11th Dist. Fwds charts. 11/1 W To MI- Reqst data be forwarded 11/19 MI 11/30 W
583341	10/6	To MI VOID- card 5	does not authd withdrawal from store the second 2 K W back shunt type of key- W
600987	12/9	MI	Quarterly inspection report. W. To MI- Reqst. inform 12/22 Mare Isl. 1/2 W

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POINT ARGUELLA RADIO STATION

Number.	Date.	From or To—	Subject.
605520	1/20	Y&D	Copy of endorsement to MI rel to status of new work at Point Arguella. W.
609875	2/19	MI	Fwds copy of letter from Sudden Estate Co. Requesting station develop sufficient water supply for their needs. W. Fwds Y&S 2/18 W cc MI Y&D- Copy action toMI 2/23 W
613391	3/7	MI	Request descriptive books for Point Arguella and Faralone Island be retd for correction. W. To MI- returns books 3/16
615775	3/22	Mare Isl.	Fwds copy of letter from Dept of Commerce also print showing location of springs and proposed pipe lines and tanks at station- request auth to proceed with work. W. Fwds Yds & Docks 4/1

829
POINT ARGUELLO

1920

Number.	Date.	From or To—	Subject.	
464310	3-10	~~Point Arguello~~ 12th Dist;	Outline of radio work Point Arguello Sta; W	604
488828	4/21	Mare Island	Request authority to issue amplifier to Point Arguello and Eureka Stations. To M.I. (T) auth report contract serial references 4-22. Mare Island- Lists receiving equipt assigned to Point Arguello and Eureka. 4/26 W/	W.
491237	4/26	Mare Island	Copy of letter to Point Arguello Sta. submitting diagram of connections in conn with addtl receiving facilities.	W.
484440	5/6	Mare Island	Instln at Eureka completed 5/1; Point Arguello, 5/3	771
501965 1	6-28	To M.I.(T)	mail photographs PT ARGUELLO. W. Mare Island Fwds photos. 6/30 W.	
502179	6/22	Mare Island	Quarterly inspection report W.	
505712	7;16	Y&D	Copy of letter to M IS authorizing expenditures listed for various work. W	

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N.S.E. Form 134.

829 POINT ARGUELLO

Number.	Date.	From or To—	Subject.	
517447	9-9	Mare Is	Quarterly inspection; W	
520607	10-4	To S&A	Reqst shipmt of wave meter from Washn to Pt Arguello W RB 1-11	
532877	11/29	Mare Island	Quarterly inspection report. W. To Comdt Mare Island 12/6	
539030	12/31	Mare Island	Fwds correction sheets to be inserted in descriptive book for Point Arguella sta. W	
551825	3/12	MI	Fwds addtl sheets for Stion descriptive book. W	
555239	3/28	MI	Quarterly inspection report. W.	
562625	5/3	MI	Instln description and operating instrns for Point Arguella-Fwds. W.	
579983	8/9	Y&D	Copy of letter to Mare Isl. directing work in con'n with water tank and flushing and fire system be done under contract. W. MI- Fwds plans and estimates. 8/18 W Fwd Yds & Docks cc MI 9/22	
580610	8/9	MI	Quarterly inspection report. W.	
583341	8/26	MI	Eureka & Point Arguella- rqst shipt from Washn Yd of uni wave keys. W. To MI Reqst inform 9/8 MI-Rqst authority to stub to keys from store.9/14 W To MI Not authorized 10/6	

4—3381

[OVER.]

POINT ARGUELLO:

Number.	Date.	From or To—	Subject.	
329884	7;1	Point Arguello	Log quarter ending 6;30	
326054	7/24	Fwd. Mare Is. via Pac.	Com.Supt. Reqtd. that all quarterly inspect. reports for r.stat. be fwd. via Com. Received back 9;5 To Mare Is. Author. improvements. 9/6	
333736	8/6	To S&A	Reqts. shipt. of radio apparatus from Wash. to Arguello, Cal. for Rad. Sta. W Received back 2;3	
395294	2;10	12th Dist	Arguello Station, sub req for any 15 hp gas engine. To 12th Dist- Rqst disapproved- 2/19	W
415337	4;22 5;1	MI Com	Quarterly inspec report.	W
437375	7;24 8;1	MI Com	Quarterly inspec report Point Arguello Station. W fwd Secty 8/11 RB 8;18 To MI- desires hold in abeyance until rec sub covering major projects during ensuing fiscal year 8/20 To Y&D- req undertake work, allots 1850 8/21 Y&D 8;25 MI-Quarterly inspec , radio station Arguello 10;27	

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N.S.E. Form 134.

POINT ARGUELLO

Number.	Date.	From or To—	Subject.	
436741	8;2	MI	Naval Radio Station Point Arguelo. quarterly inspection report.	
455406	10/29	Mare Island.	Quarterly inspection report. W.	
459060	11/20	Y&D	Work covering painting of buildings and masts completed.	W
468864	12/30	Mare Island	Fwds photos of point Arguelo Sta.	W.
475664	2/4 2/12	12th Dist- Communications	Quarterly inspection report. fwd Com 2/17	W.
477161	2/11	Mare Island	Quarterly inspection report. W.	
479218	2/14	Mare Island	Fwds photostat photograph of longer binding screws for use in assemblying descriptive booklet.	W.

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[OVER.]

1917

POINT ARGUELLO:

Number.	Date.	From or To—	Subject.	
216569	3-7	To M. Is	Disappvs M. Is. Shipt reqt 1914. 2/12/17. Short range trans sets previously shipt to M. Is. for St. Paul and Pt Arguello, are requed at Aero Sta. Shipt of has been requted.	847
216916	4/3	To M.Is.	NSE 25-A and Bu records differ. Reqt further information. W M Is 4/16	
224176	4/15	Pacif. Coast Supt.	Fwds print and requests authority to erect new mast and operating house W To Sec Commerce--(Sec Sig) Rec permission be granted to Navy Dept for extension of present radio site to include new location. 4/27 To--Fwds copy of letter to Dept Commerce.4/27 Dept Commerce is being investigated 5/5	
230041	5/22	Dept Commerce	Grants permission to install mast and house on Lighthouse Reservation, Pt Arguella.W To--(Sec Sig) Acknowledges.5/28 To M.Is. via PCS--Reqt ests for proposed improvements.6/1	
247538	9/5	Marine Corps	Request allotment for semi-permanent barracks at Point Arguello .W To--9/8	
325054	6;29 7;12	San Diego Naval Communication	Report of Arguello station. Report of Arguello station 11;1	

N.S.E. Form 134.

POINT ARGUELLO RADIO STATION. 82

Number.	Date.	From or To—	Subject.
256102	10/22	M Is T	Request authority to issue pass to Gutleben Bros, contractors for barracks, to enter station.W To—(T)Grants auth. 10/23
258662	10/26	M Is	Quarterly inspection; fwds report·W
264066	11/20	M Is	Request authority to erect two masts in lieu of one.W To—(T)Two masts auth. 11/30
270983	none	none	Contracts for radio buildings, Point Arguello and Farralone Islands·W
275929	1-11	M Is	Inspection report; fwds·W
281761	2/14	M Is T	Request authority to have working part put under Port Arguella Station - W To—(T)Grants auth·2/16
282314	2/16	M Is T	Request authority ~~is~~ for working party to enter station.W To—(T)Grants auth.2/19
292354	3-23	Y&D	Point Arguello and Farralones - have allotted $190 for installing ranges. W To—Makes allott. 3/28
299773	4/11	M Is	Quarterly inspection fwds report.W To Mare Island—Requis. will be app-4-25

NB—0120

[OVER.]

POINT ARGUELLO:

1914

Number.	Date.	From or To—	Subject.
122081	4-9	Dept Commerce, Navgn	Marconi Co. station at San Luisobisko claims interference; not properly adjusted. W. To---Ack.--Fwd M.Is.instructions.4/11 RB 57 TO M.Is 5-20 rb 76
143570	12-22	M.Is	Report of inspection.W.
		1915	
Sur 22-23	1-12	To M.Is.	Comments on survey. W-Y
164154	8-19	Pac Coast Radio Supt	Recommendations for installation new 2 kw set.W
		1916	
175795	1-9	M.Is R	Reqt authority to issue orders to working party to make repairs. W.
182715	3-16	M.Is	Report on radio installation.W
184999	4-21	To M.Is.	Have reqtd shipment of wave changer from NY to M.Is for Point Arguello: reqt estimates for installation. W To S&A--Rdqt for shipment. 4/21 ~~To--Have reqts shipment of wave changer for, reqt est for installation~~
187147	4-29	M Is	Wave changer; estimate.W To--Authoirzed. 5/11

N.S.E. Form 134.

POINT ARGUELLO: 829

Number.	Date.	From or To—	Subject.	
200675	9-20	Pac Coast Supt	Quarterly inspection.W To M.Is.--Gives action to be taken.10/5 To S&A--Reqt shipment of ultraudion detector to M.Is.10/5 M.Is relative to changing assignment of receivers C RDOVA. 11-2 To M.Is. via Supt Pac Coast--Change auth. 11/15	
204996	10/30	M Is	Date of delivery of set; reqt	847
205514	11/15	To S&A	Reqt shipt of one Kolster meter from Phila to M.Is. for. W	
			1917	
210676	1/6	To S&A	Reqt shipt of 2 arc radio sets from Wash To M.Is. for. W To Wash--Gives action. 1/6	
213224	1-26	Pac Coast Supt	Quarterly inspection.W. To M.Is.--Gives action on. 2/15	
214939	2/7	M.Is.	& Pt. Aguella; Sperry transmitter sets received are not provided with any source of direct current power; reqt appvl reqn for Edison vatteries. W	847
215356	2-10	M.Is	Submits estimate in connection with installation direction finder.W To--Appvs ests. 2/26	

NB—0120

[OVER.]

829
POINT ARGUELLO

FILE No.		From or To— (Dated)		Subject.	
32588	2/23	M.Is	125	Reqt. authority to contract for telephone line.W Fwd Dept, Rec.auth.be granted 3/6. R.B.appd 3/11 Ret --- 3/11.	
36629	4/14	M.Is	374	Quarterly report inspection. W	
47330	8/23 8/25	Commerce & Labor Dept	7014-155	Aks if Navy Dept. will bear half expense of railroad siding. W Ret Dept. Bu's opinion that small cost would warrant building.8/31.RB 9-5 a'ppd , ref. Dept. with letter for signature 9/6	
47776	8/28	M.Is	623	Reports quarterly inspection.W.	
48247	8/28	M.Is	623	Quarterly report inspection.W.	
49013	9/8	M.Is.		Submits estimates for improving:etc	895
				1912	
				1913	
92538	3/1	Pac. Flt.		Radio communication in Pacific. reports communicating by Pt.Arguella.	903
102601	7-23	M.Is.		Report of inspection. W	
			1914		
116554	1-23	M.Is	848	Report of inspection.W Fwd Dept rec approval of estimates for repairs and alterations.2/3 RB 26 To---estimates appd.2/7	

NB—0120

POINT ISABEL RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
637401	8/12	Y&D	Copy of letter to S&A requesting New Orleans be directed to ship mechanical engines and hose reels to station. W.	
637606	8/14	S&A	Copy of shipt order cov fire apparatus from New Orln. to Point Isabel. W.	
636959	from card 33	#898	To NO Assignment of personnel Fwds cc BU Nav letter 8/22 W 8/26 To Comdt New Orlns- Quarterly inspection report for quarter ending 30 June 1922. W 8/29 To S&A Rqsts shipmt of Milling machines from Charleston to Point Isabel 9/1 R Y RB 11/15 Y To NO- Reqsts inform rel cutters cc Asst Dept 9/11	

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N. Eng. 134

POINT ISABEL RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
643350	9/27	New Orln.	Recommends approval of transfer of $300 from allotment for concrete walks for painting buildings. W. Fwds Yds & Docks 10/5 Y&D- Copy action to New Orln.10/7 W	
647216	10/25	Yards and Docks	S&A rqstd to transfer Ford truck from Great Lakes to ISABEL to replace old trucks W Fwds New Orleans 10/31 8th Dist 11/2 W Fwds Yds & Docks 11/11	
630910	FROM CARD	32	Y&D- Recommends towers be repainted in regular way. 11/4 W To Y&D- Preservation of towers 11/13 W ccCommunications MI PH Guam Cavite 11/13 W Y&D 11/25 W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
631633	6/30	New Orln.	Request special allotment to cov purchase of fire hose. WK To N Orleans- Spec allot cannot be made. 7/12 W	
631820	7/7	New Orln.	Recommends total amount of electrolites on requisition 41 be purchased to make renewals in all Edison cells. W.	
631491	7/7	To S&A 660	Reqst shipment of Shaper from NO to Point Isabel T RB 3/19/23 YN To Point Isabel Ask if shipment recd 3/9/23	
631634	7/12	To S&A 688	Rqsts shipmt of receivers from Washn to Point Isable W RB 8/25 W.	
633627	7/12	New Orln.	Request expedite return of diagram fwded to Washn for repairs: W. To N O- Rel shipment of decremeter 7/29	

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POINT ISABEL RADIO STATION 1922

Number.	Date.	From or To—	Subject.	
633820	7/19	Y&D	Copy of estimates Public Works 1924 recreation building. A. Fwds Yds & Docks 7/29	
633821	7/19	Y&D	Copy of estimates, Public Works 1924, officers quarters. A Fwds Yds & Docks 7/28	
635773	7/28 8/1	New Orln. Y&D	Request authority to ship fire fighting apparatus to Point Isabel. W. New Orln- (T) Request action rel to shipt of fire apparatus. 8/7 W To S&A- Reqsts fqn be cancelled cc NO 8/9 Fwds Yds & Docks cc NO 8/10	
636959	8/1	8th Dist. card 34	Quarterly inspection report. W. To Navign- assignment of personnel Gives quotations from report 8/17 To Yds & Docks- Quotes from Comdt N. let 8/18 To Asst Sec of Dept- Quotes from report Navgn. 8/22. W	8/1 8/18
637322	8/11	Y&D	Copy of telegram to New Orln. authorizing manufg adaptors. 8/11 W	

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[OVER.]

POINT ISABEL 1922

Number.	Date.	From or To—	Subject.	
619557	4/6 4/11	Point Isabel 8th Dist.	Request Kolster decrometer be repaired; W. Fwds Washn 4/22 W To NO- Gives Inform 5/13	
624538	5/20	Y&D	Work cov walks completed at saving under allotment. W.	
573451	from card 29		Fwds S&A- Drinking water for marine Detachment W 5/25 RB 5/26/22 W. Fwds QM Marine Corps 5/29 To NO-- Reqsts cc invoice cc QM Marine Corps 6/10 To S&A 10/19 RB 6/17 W. Fwds S&A via QM Marine Corps 6/28	

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N. Eng. 134

POINT ISABEL 1922

Number.	Date.	From or To—	Subject.
624301	5/22	To NO	Spare arc chamber W K
628227	6/13	8th Dist	Request Bureau secure delivery of standard rain guage W To NO Weather instruments for 7/13
630910	6/26	New Orln.	Quarterly inspection report. W. To Yds & Docks- Quotes from report 7/13 To NO- Quarterly inspn report for third quarter ending 1921-22 7/13
TO CARD	34		Y&D- Recommends crude oil be actually tried out. 7/29 W To John Simmons Co- heavy oil- reqsts comments 8/5
630909	6/29	New Orln.	Recommends Point Isabel be given radio telephone set. W. To New Orleans- Approves assignmt 7/7 W
631634	6/30	New Orln.	Shipping of type 1420 F receivers to replace old type. W

4—3381

[OVER.]

POINT ISABEL 1922

Number.	Date.	From or To—	Subject.
603868	1/12	To S&A 9516	Reqst shipment of material from SO NY To Point Isabel W RB 2/27 W.
607530	2/1	New ᵛrln. (T)	Request immediate shipt of one KW quenched spark gap. W. To S&A Reqst shipmt of spark gap from Brook to Point Isabel 9659 2/7 RB 3/18 W
544484	FROM CARD 27		New ᵛrln- Subm data requested. 1/26 W

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POINT ISABEL 1922

Number.	Date.	From or To—	Subject.
580515	FROM CARD 29		Point Isabel- Copy action to Navy Sup Depot. 3/9 W. Nav. Sup Depot- 3/22- Ask if Bureau will prepare shipt order cov issue of loading coils. W. To S&A Reqst shipment of Coils from SO Brook to O-I-C Point Isabel 3/28 Fwds S&A 3/29
615157	3/15	8th Dist.	Quarterly inspection report. W. To 8 Dist- Gives inform rel shipment of batteries 3/28 New Orln- Ref to water system and estimates cov pipe line. 4/21 W. Fwds Yds & Docks 4/25 RB 4/27 W. To N Orlsn- Concurs in decision not to install salt water pipe line 5/3 W. Y&D- Copy action to New Orln. 9/20 W.
615447	3/27	To S&A 9942	Reqst shipment of Batteries from Phila to Point Isabel W

4—3381

[OVER.]

POINT ISABEL 1921

Number.	Date.	From or To—	Subject.	
585921	9/17	Y&D	Man hole and trench- reports increase in contract price. W. Fwd Yds & Docks 9/23 Y&D- Copy action to New Orln/ 9/30 W.	
566074	FROM CARD 28		Y&D 9/22 Recommendations covering allotment Fwd NO cc Yds & Docks 10/1 8th Dist- Report on cost of work. 11/29 W To NO- use of money listed auth 12/7	W
587694	9/30	To NO	Maintenance of Edison Storage battery at W New Orln.10/18 W.	
588585	9/26 10/4	New Orln. S&A	Request auth to ship furniture listed for dormitories to Point Isabel. W. Fwd S&A 10/8 ~~To NO- Reqst inform rel use of radiator cc Yds & Docks 10/8~~	
589085	10/8	To NO	Rel manufacture of water cooling radiator for- Reqst inform cc Yds & Docks W New Orln. 10/18- Recommendations. W	

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POINT ISABEL 1921

Number.	Date.	From or To—	Subject.	
9 590125	10/11	8th Dist.	Acceptance test of tenerator set W To NO- Gives instrns 10/15 To Dir comm- Gives inform Rel Gen equipment 10/20 To Inspr Cincin- Gives extract from Comdt 8 Dist letter 10/11 10/28 cc Inspr Baltimore- O-I-C Pt Isabel- Comdt 8 Dist 10/28 New rln. 10/27- Request copy of letter 4/26 W To NO Fwd cc 1st April 26 11/3 Inspr Cinn- Report on checking of temperature rise. 11/21 W. New Orln- Fwds diagram of wiring for charging batteries with comments on. 11/19 W. To NO- power battery appvd 11/29	
59				
596305	11/17	Y&D	Fwds sheets to be filled out cov miscl data for data book, Public Works of the Navy. W.	
601629	12/22	Y&D	Copy of letter to New Orln. auth expenditures cov preparing railroad material for shipt to Point Isabel. W.	
5 602326	12/23	8th Dist.	Subm. report on weather observations at Point Isabel with recommendations. W. To Navign- rel assignment of meteorological instruments cc 8 Dist 1/7/22 Navigation - 1/13 W To Navign Gives Instrns cc Aeronautics cc Comdt NO 1/24	

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[OVER.]

POINT ISABEL 1921

Number.	Date.	From or To—	Subject.
569666	6/2 6/13	New Orln. Navigation-	Report of inspection. Y
570083	6/13	New Orln.	Recommendations in conn with awarding contracts for fuel oil for use at Point Isabel. RW. To NO no action taken 9/3 New Orln. Recommends tank cards go direct to tation. 9/12 W N.O. 10/18 report on test W To NO Gives inform 10/26 To NO- Reqst comments 12/7 New Orln- Rel to requisition cov purchase of kerosene. KW.
571966	6/27	Y&D	Copy of letter to New Orln stating approval credit cards will be fwded cov purchase of ties for railroad connection to Point Isabel KW Y&D-Returns balance from allotment. 6/27 KW
571967	6/27	Y&D	Copy of letter to New Orln stating approved credit card will be fwded cov savings from allotment. KW Y&D- Returns savings. KW. 6/27
572470	4/19 5/2	Pearl Harbor Mare Isl.	Radio quarterly expenditure report, 3d quarter- fwds. K
573451	6;17 7/6	Pt Isabel Marine Corp	Regy detachment be furnished with drinking water W fwd Marine Corp 7/9 To N.O. 7/9 Fwd S&A via QM Washn cc NO 10/19 To NO- Reqst Invoice cc QM Marine Corps 4/8 RB 5/15/22 W
576656	7;22	Y&D see card 32	New Orln- Rqst maintenance allotment be credited with $78. 10/12 W Estimate for Public Works 1923-project No.3 two sets of officers quarters. A fwd Y&D 7/27

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N. Eng. 134

POINT ISABEL 1921

Number.	Date.	From or To—	Subject.
578761	7/28	New Orln.	Quarterly inspection report. W.
580515	8/9	New Orln.	Subm report on condition of 5 KW wave changer. W.
CARD # 31	To S&A Reqst shipmt of mat from Brook to Pt Isabel- 8/31 8696		Shipt order from Phila to Pt Isabel 8/18 8532
	To S&A Reqst shipmt of mat from Phila to Pt Isabel 8695 8/31 RB 10/24 W		Phila- Wave changers ordered shipt to Point Isabel was shipt to Chasn. 6/27-rqst instrns 8/26 W
582371	8/24	Y&D	Copy instrns to New Orln rel to location of man hole in fuel oil stg tank. W.
583248	8/30	New Orln. (T)	Ask date on which generator wil be shipt. W Fwd nspr Cincin cc S&A- NO 9/2 RB 9/9 WS
583726	8/26 9/2	New Orln. Y&D	Request motor truck. W. Fwd Yds & Docks 9/13. S&A-Copy shipt order coy Ford truck from New rln to Point Isabel. 9/23 W. Y&D-Copy action to New rln.9/24 W.
583409	9/3 Y&D 10/17	To Yds & Docks W.	Water Circulating system for oil engines W Y&D-Rqst chemical analysis of water9/7 W Fwd Yds & Docks 9/12 RB 9/21 W Fwd Yds & Docks 9/29
584110	9/3 9/6	St.Thomas. (T) Y&D	Reports balance of $367 from painting last. WK Fwd Yds & Docks cc NY 9/14

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[OVER.]

POINT ISABEL 1921

Number.	Date.	From or To—	Subject.
555942	4/6	Y&D	Fwds drawings and specifications for water supply system and carpenter shop. W.
556308	4;4	N Orleans	Request special allotment covering painting of tower.W Fwd Yds & Docks cc IM N0 4/14 Y&D- Copy of action to New Orln. 4/18 W
556746	4/7	New Orln.	Copy of letter to Disbursing Office:recommends charges covering transportation of Fairbanks Morse engine to Point Isabel be paid. W.
557893	4/7 4/12	New Orln 8th Dist,	Quarterly inspection report. W
558595 Y&D- Copy action to New Orln.6/21 WK	4/18	Y&D	Water supply distribution system and machine and carpenter sho- believe funds allotted sufficient. W. Y&D- 6/10 W fwd Y&D 6-16
538735	FROM CARD 26		S&A- Copy of action to Y&D 4/21 W.

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POINT ISABEL 1921

Number.	Date.	From or To—	Subject.
559590	4/20	8th Dist.	Quarterly inspection report. W. To 8 Dist Rqst inform cc Yds7Docks S&A 4/27 RB 5/11 wd Yds Docks cc 8 Dist 4/27 Y&D- Copy of action to New Orln. 4/30 W.
560298	4:26	S&A	Copy of shipment order covering tanks from GULFPORT training camp to Pt Isabel station.W
562622	5/7 To Hermance Machine Co.-5/17	Y&D	Fwds letter from Fay and Egan Co. and Hermance Mach Co. rqsting specifications covering wood working machry for carpenter shop at Point Isabel. W. To J A Fay & Egan Co 5-17
563962	5/13	New Orln. (T)	Engine at Point Isabel permanently disabled-due to cylinder cracks; rqst express shipt of replacing generator W.
566074	?? 5/23 New Orln- Right of way for side track into station not yet obtained 8/9 W To New Orlns 8/18	New Orln. 8th Dist.	Transportation of materials to Point Isabel Station- Recommends allotment be made as an inducement to install spur track by Rio Grande Railroad. W. fwd Y&D 6-1 Y&D-Copy action to New Orln. 7/23 W
567169	6/1	Y&D	Copy of letter to New Orln. rqsting report as to under what authority requisition 373 for painting towers was prepared. W. Y&D-Copy action to S&A ? W
553509 from card 27			fwd N.Orlns 6-9 RB 6/20 W To Dearborn Chem Co rqst advice in re treating water at station Pt Isabel 6/21 To Dearborn Chem Co- 8/17 Dearborn Chemical Co.- Fwds copy correspondence 8/23 W

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POINT ISABEL

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Number.	Date.	From or To—	Subject.
492361	FROM CARD 24		New Orln- Progress report. 1/29 W. To S&A- advise rel shipt of gen set 2-3
544484 CARD 31	1/31 To IM NO Gives inform re action 4/26	New Orln	Request authority to have 25 KW generator re-wound at New Orln. W. To NO 2-7-21 New Orln- Recommends approve renewing of generator. 2/16 W.
545506	2/5	New Orln.	Quarterly inspection report. W To NY 2-23
548499	2/16	New Orln.	Fwds progress report cov instln of Fairbanks Morese oil engine. W.
549399	3-5	To Pt Isabel	Comdr Hooper will visit station on March 17th W
549894	3/3	New Orln.	Subm report on test instln of underground antenna. W. To IM NO Gives comment 4/1

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POINT ISABEL

Number.	Date.	From or To—	Subject.
549948	3/4	New Orln.	Subm plans and estimate for instln of suitable stg arrangement for fuel oil. W.
		Y&D- Coy of action to New Orln. 4/18 W	Fwd Yds & Do ks cc IM NO 4/4 RB 4/8 W
		Y&D-Copy action to S &A 4/19 W.	Fwd Yds & Docks 4/15 To Y&D- 6-20
		Y&D-Rqst addtl allotment. 6/15 W	
550281	3-10	To Key West Tel	Advise arrival of Comdr Hooper Brownsville etc., W
551795	3/15	Y&D	Fwds specifications coy water supply system and carpenter shop. W.
553184	3/15 3/19	Pug·Sd. MI	Quarterly inspection report. W.
553509	3/21	New Orln. card 28	Recommendations rel to purification of water used for cooling gas and oil engines. WM
TO CARD 28		Bur Standards 4/25 W.	To Dir Bu Standards Reqst report of analysis be submitted 4/15
		Bur Stand Fwds report of test of water 5/20 W.	
554728	3/26	New Orln.	Proposed oil tank lay out- fwds print. W.
		New Orln. 4/16 W.	Fwd Yds & Docks 4/6 RB-4;9-W
		Fwd Yds & Docks 4/19	Fwd Yds & Docks cc IM NO 4/15
554846	4/2	To IM NO	Addnl set of married quarters; Reqst matter listed be investigated and further recomdns submitted with est and sketch of changes to be made cc Yds & Docks W
		New Orln-Proposed addition to old constrn office and converting same into quarters-fwds prints with estimate. 5/19 W	
554854	4/5	To	Reqst shipmt of switches from Washn to SO Point Isabel 6876 W RB 5/3 W.
			To S&A Rqst shipmt of Antenna wire from Boston to SO Point Isabel 6875 W
			S&A-Boston aska if shall maintain stock. 4/22xW
			fwd S&A 5-4
			fwd S&A 5-4
			S&A 5/7 W
			fwd S&A 5-17

Number.	Date.	From or To—	Subject.	
528140	11/8	Y&D	No work yet done on water supply system for Point Isabel. W.	
529357	11-17	To S&A	Reqst shipmt of condensers from Boston to Pt. Isabel. W RB 12/27 W.	
529894	11-22	To S&A	Reqst shipmt of arc key from Washn to Pt Isabel W RB 1-24	
534605	12/13	New Orln. (T)	Request station be authorized to employ necessary labor to install foundations and new machry. W. To Secth 12/15 reqst auth	
534841	12/13	Ship Bd	Report of Pt Isabel sta rel to efficiency of 2 Kw arc sets operating on 2350 meter wave W	771-2
536478	12;23	Y&D	Copy of letter to S&A requesting Maris Bros submit complete detailed drawings covering crane they propose to furnish.W	
NO 132	12/27	To S&A-	Fwds S&A . WR	
537138	12/31	To NO	Advise rel motor gen rator purchased on re n 16/1917 for Pt Isabel W To N.Orlns 1/21 New Orln- gives name plate data for motor generator. 1/24 W. To S&A req ship of gen from Pt Isabel to N.Y. W 2-1-21 RB 3/24 W	655

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PT ISABEL 1921

Number.	Date.	From or To—	Subject.
538735	1/4	New Orln.	Ask proposed used of tanks recd at Mobile station from Frankfort Arsenal. W.
TO CARD 28	To Y&D 1-17	New Orln- (T) Suggest tank at Galveston be delivered to Point Isabel. 1/15	fwd Y&D 1-8 Y&D- Copy of action to S&A 1/11 W. S&A-Copy of shipt order cov two fuel oil tanks from New Orln to Point Isabel. 1/14 W
	Y&D- Copy of action to S&A 1/19 W S&A-Copy of shipt order cov steel tank from Galveston to Point Isabel. 1/21 W		
539146	1-11	Fwd Y&D	Truck for Point Isabel W RB 1-19 Point Isabel- 12/27- New Orln- 1/6- Request new motor truck be furn with pneumatic tires instead of solid tires. W fwd N.Orlns 1-25
540877	1/15	Point Isabel New Orln.	Request substitution of Ford touring card or roadster be made for motor cycle. W. To Y&D 1-22 copy NO RB 2-16 fwd Y&D 2-19-21
541130	1/18	Y&D	Copy of letter to S&A requesting Ford truck be shipt from Recruiting Sta. Jackson, Miss. to Point Isabel. W.
541345	1/19	Y&D	Copy of letter to New Orln making allotment covering instln of 100 HP engine. W.
541719	1/20	S&A	Copy of shipt order covering Ford truck from Jackson Miss. Recruiting Sta. to Point Isabel. W.
543303	1/25 New Orln 2/17 W.	New Orln.	Recommends remaining towers at Point Isabel be cleaned and painted by contract. W. To N.O. 2-1-21
543972	2-1	To New Orlns.	Advise why station placed out of commission for instaln of uni-wave key for arc W RB 2/12/21

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POINT ISABEL

Number.	Date.	From or To—	Subject.	
504287	7/6	New Orln.	Request authority to furnish stores; subm estimate. W. To NO auth granted furnish 7/14	
5O440O	7/9 n	Y&D	Copy of letter to New Orln aurhorizing addtl expenditure for testing of fresh and salt water capacity of drill well. W.	
504541	7/6 7/10	5th Dist Y&D	Fwds list of furniture and fittings for quarters. Ask if allotment will be made. W.	
504464	7-12	To S&A	Reqst shipmt of schlt from Chasn to Pt. Isabel L RB 9/1 L	
504775	7-13	To S&A	Reqst shipmt of amplifer from Washington to Pt Isabel W RB 8/9 W.	
507449	6/7 7/24	New Orln. Y&D	Subm list of furnityre for outfitting quarters for officer in charge at Point Isabel. W Fwd Y&D 7/29	
509445	8/3	Y&D	Fwds copy of Public Works estimate cov project I water supply system W Fwd Y&D 8-11	
6449	8/6	To Ordnance	Radio telegraph- radio station Pt Isabel oil engine for. WR	706

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N.S.E. Form 134.

POINT ISABEL

Number.	Date.	From or To—	Subject.
515960	9/7	S&A	Point Isabel- motor generator set - fwds copy of letter from Eck dynamo Motor Co. rel to cancellation of. W. Fwd NO 9/9 RB 9/23 W
516747	9/8	New Orln	Fuel oil for MW engine- request be supplied, W fwd S&A 9/15 RB 10/14 WF. Fwd S&A. 10-16
517472	9-13	New Orleans	Statement of yard for chipping and painting steel tower; To NO appvl of method auth expd 9/18
517474	9-10	New Orleans	Heavy duty oil engine; request be shipped broken down; W
517477	9-10	New Orleans	Request instructions andprint for installing heavy duty engine and underground antenna; W To NO 9/24
518649	9/22	Jno. F. Grant Lumber Co.	New Orln-Rqat engine be furn according to spellifications furn at New Orln. 10/2 W. Copy- Request final settlement for material furnished contractors for building erected at Point Isabel. W.
520863	9/22	New Orln.	Quarterly inspection report. W. To Y&D rel truck 10/6 To NO 10/30 RB 1-11 fwd New Orlns 1-13-21
523751	10-18	To IM N.Y.	120 HP Diesel engine for station Pt/ Isabel W

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POINT ISABEL

Number.	Date.	From or To—	Subject.	
488833	4/19 4/21	Navigation Communications	Subm list of material for recreation facilities which will be shipt to Station. Navigation- Fwds copy of telegram from 8th Dist. in conn with. 4/26 W.	W.
490260	4/29	New Orln.	Quarterly inspection report	W.
487615	5/5	To S&A	Rqst shipt of engine lathe from New Orln to Point Isabel. 2659	913.
492361	5/3	N Orleans	Submits yearly recommendations and estimates covering improvements, with prints - W New Orln- Fwds prints showing re-arrangements. 7/20 W	
TO CARD 27	To L. NO Reqst report of progress be sent to Ld each month until end of Apl 1-24-21		New Orln. Report covering shipt of 100 HP Fairb Morse generating unit. 12/7 W	
492064	To NO 1-24-21 5/8	New Orln (T)	Cylinder partically bored. W To N.Orlns T(5/8 rel status To N.O.- modify instructions 5/13	
493225	5-14	To S&A	Reqst shiptmt be expedited gas engine generator set Norf to - Pt Isabel. WS	
495219	5/19	New Orln.	Ask if Bur intends to furhish schlights W To N.Orlns. will supply searchlight 6-9	
495218	5/19	New Orln	Recommends stations be furn with one amplifier and underground antenna. W To N.Orlns- asks if amplifiers at N.O. cannot be trans or loaned for Pt Isabel 6-8 New Orln- 6/15 W.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
496609	5/22 New Orln. 6/22 W To N.Orlns.	New Orln. Report on expenditures. allltment 6/30	Request special allotment of $1975. cov increased consumption of gasoline and spare parts for Buffalo Gas engines. To IM N.Orlns- cannot authorizes at present asks if funds available sufficient to cover until fiscal year 6-4	WK
496610	5/24 Point- Isabel- mach ine tools recd; 8/14 WR	New Orln.	Recommends machine tools listed be shipt to Point Isabel. To N.Orlns- appvl of assignment 6/2 Shipt order from N.O. to Pt Isabel 6-1 To Pt Isabel 10/9 RB 10/19 Y	WR.
496795	5/22	New Orln	Copy of letter to industrial manager subm addtl yearly recommendations for Seepage wheels, field tanks and screening.	W.
497000	5/28	New Orln.	Addtl yearly recommendations, seepage wheel filter tank and screening- subm print. Fwd Y&D 7/3 copy N.O. Y&D-Copy of action to New, Orln.7/9 W	W
498742	5/28 6/5	Buffalo Gasoline Motor Co. New Orln.	Parts for engines shipt by parcels post to Point Isabel. fwd S&A 6-11	W.
499146	6/9	New Orln.	Quarterly inspection report New Orln- Addtl report 8/21 W	W
502309	6/29	Y&D	Request make allotment covering determination of fresh and salt water capacity of present drill well. To Y&D- additional allotmentof $18.00 made 7/6	

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POINT ISABEL

Number.	Date.	From or To—	Subject.	
467155	12/31	New Orl	Quarterly inspection report. Fwd D.N.C. 1-7 1-8- No action to be taken by bu on recommendations. Referred to D.N.C. 1-7 RB 1/9.	W.
468658	1/8	New Orln.	Subm inforation rel to damage of 100 hp oil engine.	W.
470047	12/23 1/17	New Orln Com.	Subm report of inspection mainly in conn with stable, dormitory and garrage. Fwd I.M. New Orlenas. 1-22 RB 3/8 New Orln 3/5	W.
470446	1-20	To New Orleans	Report on antenna current of the 30 K.W. arc set. Point Isabel. W To IM N.O. 3/1 New Orln- Subm report on test of 30 KW arc set. 4/13 W.	
471280	1-24	To Y&D	Reqt for small truck. W Y&D-1;29 To IM N.O. 1/31 S&A- Copy of shipt order covering Ford truck from Great Lakes to Point Isabel. 1/31	
477308	2/16 New Orln: Request action. 7/26 W New Orln 8/3 W	New Orln	Subm report of recommendation for 100hp engine at Point Isabel Station. To IM N.O. 2/25 To Nav via Com 2/25 New Orln- Request special allotment $352. cov combletion of repairs to oil engine. 7/16 W To N.Orlns. repirs to engine. auth expd 7/26	W.

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N.S.E. Form 134.

POINT ISABEL

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Number.	Date.	From or To—	Subject.	
485255	4/1	A. O'Brien	Subm report on inspection trip to New Orln Point Isabel, Galveston Port Arthur and Mobile Sta.	876
487164	4-14	To Asst Secty	Transportation facilities. Pt Isabel- Considers motorcycle could be used for same W Y&D- Have requested Coast Guard to turn over motor cycle. 4/29 W	
487828	4/13	New Orln	Request special allotment $315. cov 10 Dubilier Condensers to replace present Leyden jars/	W.
487824	4/12	New Orln	Request allotment of $800 in excess of maintenance allowance cov furnishing house-hold equipt for Marine Officers quarters W	
488185	4/14	New Orln	25 KW generator is partly broken and requires spare parts; manufacturers will furn same withing 30 days.	W.
487611	4-19	To S&A	Reqst shipmt from Boston to Pt Isabel Dub condenser s W New Orleans;10-21; W Fwd Boston 10-28 RB 11/5 W Shipt order from Pt Isabel to Boston condensers 11-17 RB 2-23	

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POINT ISABEL

Number.	Date.	From or To—	Subject.	
457232	11/11	New Orl (T)	Larger antenna installed, working satisfly.	W
420835	FROM CAR D -20-		Y&D- Subm information rel to estimated cost of suitable plant. 11/19 To Y&D- Reqst comments and estimates 11/25 Y&D 11-28 Submits estimates. To Y&D 12/1 cc NO	W
459371	11-20	New Orl	Asks if Marine Corps should be furn with drinking water, gasoline, electric light power, feed for mules, etc. Fwd Marine Corps 11/25 RB 12/12 Fwd I.M. New Orleans. 12-13 RB 1/2	W
460352	11-25	New Orl	Quarterly inspection report. To Nav via Com 12/1 cc to N.O. To N.O. 12/2 New Orl- Rqst stove be expedited. 12/10 To I.M. New Orleans- 12-15 copy to Y&D & 8th Dist.	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
461705	12/6	New Orln. copy 632 -1	Request machinist mate with oil engine experience be ordered to Point Isabel. WF fwd Nav via Com 12/11 copy N.O. RB 12/19 Fwd I.M. New Orleans. 12-22 RB 1/2
462684	12-13	To Marine Corps	Defenses. Gives detail comment. W copy to I.M. New Orl-D.N.C.8th Dist- Officer in charge Point Isabel. W To New Orleans (T)-$760 auth etc. 12-13
462684	12;9	Marine Corps	Submits list of material necessary for defects of Point Isabel station.W
464376	12-20	To S&A	Reqt shipment 2 25K.W. generator sets from Wash to Point Isabel. L Shipt order from Norf to P. Isabel 5/10 RB 7/19 L
465201	12/24	New Orln. Copy	Connecting rod and crank case on oil engine broken. W.
466501	12/27	New Orln.	Subm report of operation on station during storm. 9/14. W. To- copy to 8th Dist and Communications.1-5

N.S.E. Form 134.

POINT ISABEL:

Number.	Date.	From or To—	Subject.	
445500	9-10	New Orl.	Pt. Isabel- Calls attention to necessity for additional additions to bldgs and grounds. To New Orleans- auth expd of 350.00 9/19 cc to Y&D To NO- increase of maintenance allowance of Pt Isabel station from 6000 to 7000 9/30	
445611	9-15 New Orl-Report of storm damage. W 9;30 To NO 10/6 fwd Nav via DNC 10/7 cc to IM NO RB 10;9 To N O-Machinist mate assigned to Point Isable. 10;10	New Orl (T)	Pt. Isabel. Both antennas carried away- Bridles and antenna shipt from N. O. N O 9-15 (Copy) Antenna and 600 meter antenna carried away by storm. Out of communication. N O 9-20 (T) Pt Isabel out of commission. NO-Point Isabel out of commission. Tel 9;20 NO 9-25 (T) Report of inspec will be fwd 9/29 To NO (T) 9/23	W
445648	9/16	To Point Isabel (T) To New Orleans (T)	Take immediate steps place six hundre meter antenna Point Isabel in temporary commission and large antenna as soon thereafter as possible period Delay of fifteen days not understood period Radio Point Isabel comma Navsta New Orleans W N O 9-17 (T) 600 meter antenna in commission. W N O 9-18 (T) Pt Isabel states large antenna will be in condition 36 hours after receipt of matrl shipt from N O on the 16th.	
446384	9/20	NO	POM report refers to Pt Isabel Sta W	821
451084	10;9	New Orl	Fwds photos of Point Isabel Station.	W

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Number.	Date.	From or To—	Subject.	
451203	10;10	N O	Sub report of delay in completion of repairs. W	
452061	10;11 10;14	8th Dist New Orl	Quarterly inspection report. W To Com-Fwd. 10;21	
452383	10/14 10/17	8th Dist Com	Quarterly inspectiom report. W. To Com-Fwd 10;21	
453965	10;20	N O	Sub reqst for allotment cov storm damages and spares. Fwd Secty 10/28 To N.O.- auth expd of 2871.00 11/7 To Y&D 12/2 cc N.O. RB 12/5 fwd Y&D 12/6	W
453208 To New Orleans SE 19	10/24 Phila- (T)-Batt charg unit shipt to New Orl. 11/14 12/30. rleans (T)-12-31	To S&A Fwd Y&d 10-31. copy to	Reqst ship from Ph to Pt Isabel batt charg unit with gasolien tank and spares. W o Phila (T)- Reqts trace and expedite delivery shiptment order 10-24th. 12-29 copy to I.M. New rleans. I.M. New Orleans. Co vering services at.	
456110	11;5 Fwd 12-12 copy to I.M. New Orl and Director Nav. Communications. RB 12/17	Marine Corps	Reqst elec light be installed in Marine barrack at Point Isabel. W fwd NO 11/10 RB 12/8	

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POINT ISABEL:

Number.	Date.	From or To—	Subject.	
420434	5;19	Y&D	Married quarters for C O Marines, reqst approval of SE for construction. fwd Secty 5-23 RB 5;2 To Y&D- allot 4000.00 6-4	W
419973	5-22	To S&A	Req ship from Washn to P Isabel, radio material for station W	
419950	5-23	To NO	Reqst Deptto auth funds to cover cost of painting bldg and chipping scaling painting towers as reqst tel reqst report be sub W fwd S cty 5-23 RB 5;29 To N Orleans 5-31	
420835 TO CARD #22	5;1 5;22 To Y&D- has approved req re tra orders for Mr Hoyt 7/21 To New Orleans- req reply to prev corresp 7/22 New Orleans- 7;28 To Sec- req new set of travel orders 8/21 To NO Tel 8/20	8th Dist New Orleans	Sub quarterly inspec report for Point Isabel. To New Orleans- asks sub estimates 6-10 To New Orleans- cc to Commun- reqst fwd report covering stations being out of commission 7/7 fwd Sec 7/15 7:16 -Y&D-Asks if funds available	
421621	5;24	N O	Recs present air pump be replaced by combination unit. To NO- reqst sub reqn 6-4	W
425845	6;12 6;16	8th Dist Com	Quarterly inspec report.	

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Number.	Date.	From or To—	Subject.	
425963	6-17	To Secy via Nav Intel 85	Bur rqsts be auth to rent an available bldg on Wailupe site for purpose of establishing temporary sta at rental of $75. per month W	
246	6/24	New Orl.	Fwds copy of contr ct with J MCCoy covering painting work at radio sta, point Isabel. W&S.	629
433948	7;16	N O	Reqst spec allotment be made to cov antenna transf switch. W To NO- auth expenditure of $155.53 7/23	
858 434585	7;21	N O	Reqst additional allotment be auth cov,gas,oil and distilling water. W To 1M New Orleans- sum of $471.50 authorized en excess of Pt allow 8/1 To NO should be charged against approp engr for years 1919 and against allow for station 7/31 N O- 7;21	

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POINT ISABEL. 1918

Number.	Date.	From or To—	Subject.
298061	4-1 N Orl		Point Isabel - quarterly inspection. W To--Directs submit ests and reqns.4/18 To Y&D--Recommendations.4/19 Y&D-4/22 New Orleans--RB-4/24--4/18 To N Orl Via N Orl--4-27 New Orleans 5;15 To 8th Dist- spproves switch for-5-25 N O 6/3- To N Orl- Via Commandant- Allots- in re repairs Point Isabel- 6-7
~~333454~~	8/5	To S&A	Reqts. shipt. of radio apparatus from Wash. to Pt. Isabel for Rad. Sta. W
357091	10/8m	To Marine Corps	Barracks for Marine Detachment at Point Isabell Request allotment covering requisition W Fwd Y&D 10-14 To Y/ & D. Oct. 14 Back 18 Fwd Dept, Via Operations,Chief of, 10-22 Received back 10;31 Fwd Y&D 11-4
~~357091~~			
404815	3-22	Y&D	Request additional allotment to cover erection of apparatus at Point Isable Radio Station. W Fwd Secty 3-26 R B 4;1 To Y&D- allotment of $3,344.00 4-4

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Number.	Date.	From or To—	Subject.	
409047	4;4	Y&D	Copy of letter to Dept stating contract cov marine barricks, stable and garrage, at Point Isalbelle let to James McCoy.	W
413118	4;23	Y&D Cont 3725	For Marine barracks and garage, Point Isabel, req allotment. TO Y&D-Authorized approval of quarters for 1st Sgt Marine Barracks Point Isabel. 4;25	W
416853	5;5	New Orleans	Point Isabel Station be furnished with new 5 kw quench spark gap. W	
416978	5-10	To N. Orleans	Bureau has reqstd shipped from NY to Point Isabel one spare gap for use trans at sta.	W
417390	5-12	To S&A	R eqsy shipment from Brook to Point Isabel Texas. radio material W R B 5/31	
417950	5;21	New Orleans	Point Isabel-Reqst special allotment to cover painting ~~an~~ of bldg, towers, etc.	W

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POINT ISABEL.

Number.	Date.	From or To—	Subject.
240082	7/23	To M.Is. T	When was Pt. Isabel's arc radio set shipt.W
Fwd	S&A—10/11	RB 10/13	M Is (R) arc set shipped April 9th 7/24 To New Orl—Reqt status of set.7/25 To New Orl—Reqt reply.8/24 New Orleans 8/30 To New Orl via Comdt—Ask stations status of arc radio set for. 9/20 New Orleans 10/8
243265	8/2	M Is	Request plan of switchboard wiring.W
248783	9/12	To Y&D	Directs take steps to provide auto truck for.W Y&D 9/18
249089	9/13	Pt Isabel (Bean) personal com.	Writes relative to trouble with equipm.W To Lt. Comdr Fawell—9/17
249628	9/15	Naval Communications	Communication with Guatamela City; fwds correspondence about difficulty of getting into communication with Point Isabel, etc.W Fwd Nav Com—9/19
254723	10/8	New Orleans	Quarterly inspection .W Fwd Atl Com Supt—10/25
256370	10/19	New Orleans	Quarterly inspection report.W Fwd Atl Coast Supt.10/25 Fwd New Orl.10/26 New Orleans fwds prints and estimates 12-8 To—Have rec appvl of plans.12/14 Fwd Dept—12/14 RB 12-26

To Y&D—Lists repairs and alterations auth.1/7
To New Orl—Directs submit reqn for whistle.1/9
NB Y&D 1-11

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N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.	
257518	10/30	To S&A	Reqt shipt of antenna transfer switch from NY to. W	
267949	12/14	8th nav dis	Seaplane-request 5 kw quenched spark gap. W To S&A--Reqt shipt of spark gap from NY to Pt. Isabel. 12/31 Fwd Nav Com--12/31	
269810	12-27	New Orleans Supt R	Arc set in commission; test completed and satisfactory. W	
256370		Over	N Orleans - submits estimates. W 1-22 To New Orl--Appvs ests. 1/29 N Orleans-1/30	
285980	3/1	To S&A	Reqt shipt of audion control box from Wash to Pt. Isabel. W To Rad Sta Pt Isable-Asks if rad apparatus recd 8/3	833
291598	none	Y&D	Copy of contract for distilling plant for Point Isabel. W	
292914	3-26	Y&D	Point Isabel - lowest bid received for water system is $42,600 - original estimate was $25,000. W To--Disappvs est with comment. 3/30	

NB—0120

[OVER.]

1917

POINT ISABEL

Number.	Date.	From or To—	Subject.	
224835	4/25	Y&D copy	Directs continue work on well.W	
225589	4/16 4/30	P. Is Y&D	Requests a parapet wall on power house for defense purposes W Fwd Y&D—5/8 RB 5/31	
227527	4/26 5/7	Pt Isabel New Orleans	List of estimates for supplies required for 1918.W Fwd New Orl via Comdt--5/14	
228977	5/18	M.R.Hutchison, Inc. T	Quotes price for additional charging panel.W Hutchison confirms telegram; states manfrs should be impressed that this material is for government use 5/18 To—5/25 M R Hutchison quotes price for charging panel 5/26	
229935	5-23	Y&D	Artisian well: Point Isabell: reqt allot/ to cover tubing W To--Allotts $500.00. 5/26	
230749	5/28	Y&D	Copy of letter to Point Isabel, requesting that every effort be made furnish contractor to furnish material as soon as received.W	
231563	M 5-25	M Is	States 30 Kw sets for Poin tIsabel was shipped to New Orleans on April 9th	821
231880	?	& New Orleans	maintenanct allowance and outline of work for 1918 and 1919	821

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N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.
231975	5/12	Guatemala (W.R.Mac Donald)	Relative to efforts to establish communication with Point Isabel.W
233453	6/13	Y&D	Fwds telegram from Point Isabel stating tubing received.W
234310	6/18	Y&D	Artesian well; relative to date on which payments to contractors should begin.W
234594	6-20	Y&D	Artisian well; increase contract price $450. W
237095	7/6	New Orleans T	Requires two secondary windings.W Fwd S&A--7/10
237420	4-3 6-7	New Orleans Y&D	Point Isabell, repairs.to.W Fwd Y&D--7/11 Y&D has auth repairs.7/13
237886	7/11	To Y&D	Fresh water supply. Reqt prepare plans and ests for a distilling plant, of about 500 gallons per day. W Y&D estimates for supplying distilling plant for fresh water 7/17
237985	7/12	To S&A	Reqt shipt of trans set from NY to. 7/12 W S&A quotes telegram from NY relative to Lovenstein transformers;has directed them to ship Marconi transformers 7/14 To New Orl via Comit--Ask action taken.9/21 New Orleans 10/1 Fwd S&A--10/5 RB 10/1

To Y&D--Reqt plans and specns for distilling plant.7/23
Y&D will submit plans 1 ater 8/9
Y&D 9/29

Fwd S&A--11/8

NB—0120

[over]

1917

POINT ISABEL.

Number.	Date.	From or To—	Subject.
214241		CARD 15	Y&D submits estimates 2/26 To Y&D--Reqt Y&D make certain arrgts.3/21
215850	2-24	Y&D	Copy of telegram to New Orleans auth digging well in excess 1000'; W
215869	2-23	New Orleans	RB 10/15 To New Orl--10/30 To New Orl--Reqt submit form 25A. 10/3 Fwd New Orl--10/4 RB 10/29 Rearrangement storage battery units.W. To--Appvs rec. 3/13 RB 5-7 To--Reqn 31 amended as listed. 6/6 ~~To New Orl--8/22 RB 9/8~~ To M.R.Hutchinson--Submits report on rheostats furnished for Sta.9/11 New Orleans request rheostat be supplied 8/13 M.R.Hutchinson Fwds print-rec install 250 voltdynamo.
216134	?	Y&D	Copy of contract for artesian well.W
216715	2-22 3-1	Point Isabel New Orleans	Submits list of furniture desired.W. To New Orl--Directs prepare reqn.3/9 New Orleans furniture ordered under cont 27141 3-29
217007	2-21 Fwd Y&D--4/6	Point Isabel	Fwds progress reports on Artisan Well and accessories; NO auth to continue boring additional 400'. W To New Orl--Ask results of boring and rec.3/9 RB 3-23 Fwd Y&D--3/26 RB 4-4 Pt Isabel have instructed work on well to be discontinued to 2,000' if satisfactory water is reached 3/28
217688	3-3	Point Isabel	Asks what disposition to make of commission paid by Western Union Co for handling messages for them.W Fwd Nav Comm--3/13 RB 3-15 Fwd via New Orl & Supt--3/16

N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.
219129	3-22	Y&D	Copy of contract Snyder & Sampson for station buildings.W.
NO 319	3/27	To New Orl	Ask infor re apparently excessive amount of alcohol reqted, also whether space available for storing such an amount. WR
220859	3-22	Point Isabel	Radio buildings; increasing capacity tanks; contractors price considered excessive.W Fwd Y&D--4/6
221092	3-23 4-1	Point Isabel New Orleans	Furniture for; submits list with estimates.W. Fwd Y&D--4/19 R B 4-23 Fwd New Orl--4/24 RB 5-7 New Orleans Reqt action.4/23
221804	4-9	Y&D	Changes in oil tanks, buildings, well contracts 2 letters.W
222036	3-30	Point Isabel	Artesan well; report of progress.
222148	4-7	New Orleans	Submits sketch of proposed system of routing reqns, and corres,etc.W
223481	4/6	Point Isabel	Reports on drilling artesian wells Fwd Y&D--4/20
224432	4/13 4/23	Point Isabel Y&D	Weekly report on progress·W

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[OVER.]

POINT ISABEL.

Number.	Date.	From or To—	Subject.
210834	?	Bdan, Gunner WC	Point Isabel; postal card showing bird's eye view.W
211166	1-3 1-9	New Olreans S&A	Wood purchased by Elecn; request reqn be made.
211349	1/13 To New Orl via Comdt--Appvs items as listed. 2/7	To S&A	Reqt shipt of one 30 K.W. arc radio set from NY to Point Isabel. W RB 1-24 To New Orl--Reqt plans and est covering install. 1/13 RB 2-3 To--Reqt shipt of one 30 K.W. arc radio set from M.Is. to Pt. Isabel. 1/26 To--Reqt shipt order 1/13 be cancelled. 1/26 Fwd S&A--1/26
212062	12-29	Pearl Harbor	Request annual allotment $1200 be increased to $9000.K To--Auth allott of $3,000. 2/12
212626	1-26	Y&D	Artisan well; copy of contract with GC Curry.
213305	1/25 2/2	New Orleans Y&D	Plans for radio station buildings; lists changes; asks if satisfactory to Bureau.W Fwd Y&D--2/15
213320	1/29	Dist Supt New Orleans	Relative to modifications switchboard volt meter.W To nd. Mgr. New Orl via Comdt.--Appvs change. 2/7

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N.S.E. Form 134.

POINT ISABEL 853

Number.	Date.	From or To—	Subject.	
213421	2/3	To M.Is. T	Directs expedite direct Pt Isabel and New Orl description 30 K.W. arc set on contr 784. W M Is description of 30 kw set mailed New Orleans; Federal Co state shipment power equipment has been made by GE; cannot give date when may expect delivery 2/5 (T) To GE— Directs trace shipt. 2/7	
213873	2/7	To Y&D	Rec award be made to Snyder & Sampson, for construction of new receiving building, quarters etc., at. Y&D Specns 2302. W	
213984	2-7	Y&D	Artisan well; contract to be completed May 1. W	
213961	2-5	Point Isabel	Reqn 203; states necessary to use Vacuum Oil Company's Oil A on M&W engine at station; have purchased in advance Bu approval. W	
214241	1-31	New Orleans	Quarterly inspection; fwds with estimate for work recommended.W To--Appvs recs for Pt Isabel except constr of wood and coal shed. 2/15 To Y&D--Fwds copy of quarterly report with action taken. 2/15	CARD 16
		To Navgn--Rec repeated travel orders be issued for Officer at Pt Isabel travel between Pt Isabel and Brownsville. 2/16 Navgn orders issued 2/21		
784	2/10	GE copy	Point Isabel; motor generator and switchboard, etc; reports shipment Jan 5th	629
215511	2-15 2-19	Point Isabel New Olreans	Progress of work on well.W Handed to Y&D RB 2/28	

Fwd Y&D--3/3

NB—9120

[OVER.]

POINT ISABEL.

Number.	Date.	From or To—	Subject.
201393	10-6	Y&D	Quarters for officers in charge receiving station; fwds drawing. To Y&D--Appvs plans. 10/10 To Pt. Isabel via New Orleans--Fwds copies of plans. 10/10 RB 10/27 Fwd Y&D--With rec. 10/30 RB 11/23 Fwd New Orleans via Y&D--12/4 Y&D submits estimated cost for storage tanks and vaults for alcohol and other inflammable material 12/15
201690	10/10	To Aug. Mietz Co.	Reqt information on running engine on four cylinders. At present running only on 2 and 3 cylinders. Reqt suggestions to remedy.W Mietz trouble due to oil used 10-27 Fwd New Orleans--For complete report. 11/28
202102	8-3	Edison Storage Bat Co	Arrgt of battery. W
202393	10/5	New Orleans	Oil stowage.W
202449	10/9	Point Isabel	Fwds invoices covering parts for a Meitz-Weiss engine ordered by their representative.W Fwd New Orleans.--11/20
202568	7/25	Smith-Meeker Eng Co	Personal--relative to furnishing switchboard.W
202683	9/8	Edison S B Co	Relative to mixup in generator, Point Isabel, fwds prints.W
203 034	10/15	Point I sabel	Storm warning signal lanterns; relative to change in arrangement.W To New Orleans--Auth furnishing current for Weather Bu, Pt Isabel, all work subject to appvl of Bu. 10/24 Dept Agri fwds specn and drawings showing equipment necessary for storm warnings on towers 11/24

Fwd New Orleans--For comment. 12/8
RB 12/28
Fwd Operations--12/30
To Agri--(Sec Sig) Specns satis to Navy Dept. 12/30
To New Orl Supt via New Orl-- Dept Agri will install storm signals. 12/30

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N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.	
206627	11-4	Carroll Elec Co	Oil engines; request settlement for.WS	
206732	11-24	New Orleans	Request authority to prepare reqn for furniture and rugs, for chief opeators quarters.W To--Appvs items listed. 11/29	
206829	11-28	Y&D	Changesin contract.W	
208123	12/7	New Orleans	Request furniture.W Fwd Y&D--Reqt be furnished. 12/14	
208766	12-15	Y&D	Copy of letter to John Wannamaker for furniture. W	
209233	12-20	Y&D	Fwds bids for Artisan well. W To--Rec of award. 12/22	
209310	12/19	New Orleans	Material returned from Brownsville to NY; have been requested to price invoice; unable to furnish.W Fwd NY--1/17RB 2-15 Fwd New Orl via Comdt. 2/17	
210098	12-30	Y&D	Contract for artisan well awarded to GG Curry.W New Orleans returns papers 3/17	
210364	none	Y&D	Fwds copy of specifications for radio station buildings.W	

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POINT ISABEL: 1916

Number.	Date.	From or To—	Subject.
197407	8-17 8-21	Point Isabel Y&D	Fwds bills J.McCoy for extra work radio buildings. K Ref. Y&D 8-28
197477	8-19	New Orleans	Request Bureau secure furnisture for Chief Petty' officers quarters thru Y&D. W To -- Instructions 8-24
197891	8-12 8-26	New Orleans Supt	Reports on inspection of; calls attention to defects.W To Dept fwds letter for Secy Sig to War 9-2 RB no further action necessary 9-7 To New Orl--Lists action taken.9/7 To Y&D--Reqt building for officer-in-charge be provided for. 9/9 Fwd New Orl-- 9/11 RB 9/18
	Y&D Artesian well; print and estimate 9-21 To Y&D--Fwds sketch of locations of quarters.9/27 To Y&D--Appvs b/p. Get bids.10/6		
198022	8-24	Point Isabel	Oil engine; reports machinist of M&W Co left station; engine running on 3 cylinders only; submits list of spares. W
198065	8-15	Poing Isabel	Request instructions re handling messages for Western Union Co. Recommends independent telephone line for station.W To New Orl--Gives proposed arrangement.8/31
198125	8-11 8-24	Point Isabel New Orleans	Repairs to recording ammeter.W To New Orleans--Directs prepare reqn covering repairs to. 11/15
198264	9-1	Y&D	Power house building and operators quarters; inc on account emergency work.W

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POINT ISABEL. 853

Number.	Date.	From or To—	Subject.
199212	9-3	Point Isabel	Request audibility meter; also certain hours of schedule be left open for test with Guatamala. W
199249	9-13	Y &D	Allows increased cost to Midland Bridge Co for Supt and Watchman services.W W
199296	9-11	?	Personal letter to Chief Gunner Bean re completion of buildings, water system,etc.W
199474	9-15	Y&D	Radio towers; foundations; allows contrs additional compensation.W
199509	9-16	Y&D	Allows additional charges in connection with tranpportation of steel.W
199507	9-16	To Mietz & Weiss Co.	Report report of representative who inspected oil engine installation be fwd to Bu as soon as practicable. W
200271	9-25	New Orleans T	Request parts for M&W engine; shut down until received. WR To S&A--Reqt parts be obtained from NY and shipped to Pt Isabel' 9/26
200686	9-24 9-27	Point Isabel New Orleans	Reports break central bearing shell M&W oil engine.

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POINT ISABEL.

1916

Number.	Date.	From or To—	Subject.	
193813	7/17	Pt Isabel T	Reports turning work over to Chief Gunner	Bean.W
193780	7-17	To Pt.Isabel. (R)	Wire when ready transmit messages; Edison expert returning Isabel to reconnect battery switchboard. W	
194055	7/16	Pt Isabel	Chief Elec reports status of work.W	
194184	7/21	Pt Isabel T	Station in commission; audion receiver will arrive from Brownsville July 21st.W	
194490	7/23	DIXIE R	Covers delay about 5 hours, each message.W	
194726	7/21 7/26 Fwd Pt Isabel--9/7	NY S&A	Asks relative to return of radio apparatus to NY, from Brownsville .W Fwd Pt.Isabel--Ship to NY. 7/31 S&A reqt action 8-29	
194964	7/17 7/25	Point Isabel New Orleans	Fwds diagram of proposed alternative arrangements suggested.W	
194998	7/21	Point Isabel Personal	Relative to delay in going into commission.W	
195381	7/29	Point Isabel	Comments on schemes for charging battery.W To New Orleans--Reqt rec as to best method of charging. 11/25	

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POINT ISABEL. 853

Number.	Date.	From or To—	Subject.
195760	8/7	Pt Isabel	Request Mietz & Weiss send representative for installing engine and adjusting same. W Point Isabel (T) gives reasons why Mietz & Weiss should send representative to adjust engine 8/9 To--(R)Asks if instruction book sufficient to insure satis operation. 8/8 To Meitz & Weiss Co--Reqt estimate for cost of services of expert to assist in installation. 8/8 To New Orl--(R) Representative of Weiss Co leave NY Aug. 12 to make adjustments. 8/12 Kletz gives cost of expert 8-15 S&A expert left 8-12 8-17
196360	8-11	To Pt Isabel. (R)	Representative Meitz & Weiss will leave NY Aug.12th to make adjustments to oil engine. W
196419	8/9	Pt Isabel	Reports on Meitz & Weiss oil engine. W
197188	8-19	S&A	Copy of telegram sent New Orleans relative to receipt of gas engine and motor from M.Is. W
197356	8/19	Pt Isabel R Copy	No serious damage to radio station. W
197355	8/12 8/21	New Orleans NavalCommunications	Sickness among personnel at station; recommendations for prevention. W

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[OVER.]

POINT ISABEL: 1916

Number.	Date.	From or To—	Subject.
191862	6-27	New Orleans T	Diagram connection between engine, generator and switchboard urgently needed; NY cannot furnish.W To--(R) Have mailed diagrams; Gunner Bean ordered charge of station. 6/27
191991	6-26	New Orleans	Fwds print showing location radio apparatus.W To--Appvs. 6/30
191985	6-24	New Orleans Personal	Fwds photos showing progress, prints, etc.W
191984	6-26	Westinghouse E&M Co	Copy of letter to station forwarding instructions for erecting generators.W
192458	Fwd New Orleans---11/28 RB 1-8 6-24 To New Orl--8/11 RB 11/21 To--(R)Report arrangement made.7/27	New Orleans	Western Union loop for.W To--(R)Expedite arrangement for telegraph connection: take up local representatives.7/6 To Pt Isable--(R)Quotes above . 7/6 Pt Isabel (T) temporary connections made 7/7
192543	6-26 7-3 New Orleans (T) oil eng unsatis; reqt power plant be dup 9-1 New Orleans eng not recd 9-1 To NO (T)reqs. recomd. re install engine from M.I. 8-30	Point Isabel New Orleans	Recommends use of gasoline engine for temporary operation.W To New Orl--9-5 To S&A-9/5 To New Orl--Have reqtd shipment of engine from M.Is. 7/7 New Orleans estimate 9-11 To S&A - Reqt for shipment. 7/7 To New Orl-Appvs est. 9/16
192538	7-3	Y&D	Copy of letter to contractor to vonnstruct wooden tower and install steel tank on.W
192636	7-6	To Edison SB Co. (T)	Reqt action be expedited services expert connection installation storage battery; New Orl reqn 17. W Edison Co Expert leaves New Orl for Pt Isabel today. 7/6 Edison Co (T) expert leages July 6 7-6 To-- Ack receipt. 7/10

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N.S.E. Form 134.

POINT ISABEL 853

Number.	Date.	From or To—	Subject.
193043	7-3 7-6	Point Isabel New Orleans	Recommends purchase without competition Oakland auto at reduction $170 in price.W To New Orl-- Disappvs. 7/11
193101	6-10	Point Isabel T	Both towers completed; storage battery installation approved; having trouble starting gasoline engine.W
193116	7-10	Y&D	Extends date of completion towers and foundations
193165	6-30 To Y&D--Reqt Bu prepare specfns for water supply system. 7/29	New Orleans	Inspection report.W Fwd New Orl-- For comment and rec. 7/11 RB 7/24 To--Re heating system for operator's dormitory. 7/29 Y&D are hodling letter for Civil Engineer Cunningham's personal attention 8/1
183254	7-9	Point Isabel T	Both radio towers now completed.W Fwd Y&D-- Noted. 7/14
193390	7/11	Westinghouse E&M Co	Copy of letter forwarding additional wiring plans.W
193592	7/14	Pt Isabel T	Started oil engine July 13th; will adjust and charge stor battery.W

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[OVER.]

POINT ISABEL. 1916

Number.	Date.	From or To—	Subject.	
189814	5-30	Point Isabel	Engineer Officer complains insufficient military protection. W Fwd Dept-- Concurs in. 6/5 Dept Reqt additional guard 6-10 Fwd Y&D-- 6/17	
189815	5-30	Point Isabel	Recommends contractors install apparatus in power plant and erect ante nae; based on cost plus 10%. W To Y&D--Rec arrangements as recommended be made. 6/6	
189818	6-3	To New Orl. (R)	Bu has arranged for shipment five K.W. Lowenstein radio transmitting set; make arrangement prompt installation.	
190144	6-1 6-5	Point Isabel New Orleans	Reqt definite instructions for setting up and operating engine.W Fwd Y&D--Reqt arrangement be made with cont'r to provide for ork. 6/9	
190335	6-7	Y&D	Copy of letter to contractors covering ventilators for building.W.	
191070	6-17	To-Brook.	Chief Machinist's Mate C.J.Christman,USN., has been ordered to Insp for temporary duty regarding oil engine under contract 192. W To Christman Via Nav--Fwds copy above. 6/17 To New Orl.--(R) Has Uhristman reported for duty. 7/6 New Orleans (T) Arrived July 2nd 7/7	
191073	6-17	To NY. (R)	Mail Officer in charge prints and description 5 K.W. radio motor generators. W	

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POINT ISABEL 853

Number.	Date.	From or To—	Subject.
191266	6-17 6-20	Point Isabel T Y&D	Cannot be commissioned before Aug 1; recommends purchase of gasoline engine. W To--(T)Do not wait completion est tower; construct semi vertical antenna from west tower; gives arrangements for cooling water. 6/20 To New Orl--(R) Ditto. 6/20 New Orleans (R) can be com by July 15 6-22 New Orleans completion July 15 6-21 To New Orl--(R)Instrns rigging of antenna.6/22 To Pt Isable--(R) Quotes above. 6/22
191371	6-21 To M.Is--Not necessary to make temporary installation. 6/24 To M.Is--(T)Appvs estimates overhaul gas engine. 7/6 M.Is will turn into store. 7/14	To M.Is.-Guantanamo.(R)	Asks gas engine available at yard for installation; submit estimates. W Point Isabel (T) copy of tel sent New Orleans stating possible to get station ready by July 15 6-21 M.Is (T) recommends using Union eng from motor boat 7580 6-23 M.Is can assemble 5 kw set by June 26 (T)6-23 To M.Is--(R) Installation not at Pt.Isabel.6/24
191394	6-20	Y&D	Extends time on power house quarters to Aug 1.W
191467	6-21	Y&D	Fencing of station; sketch andproposals. W Retd--Appvs. 6/23
191466	6-21	Y&D	Tower for water tank; sketch and proposals. W Retd--Appvs. 6/23
191477	6-22	To S&A.	Reqt shipment ultraudion bulbs from Wash to Point Isabel/ W
191689	6-24	Point Isabel T	NY state plans of 5 kw in lieu of 50 kw sets sent; request correct be expedited. W Brook (T)Mitz cannot furnish wiring diagram 626 To PT. IsabelT- prints mailed 6-26 To Inspt. GE & Bkl. - furnish data 6-26 (T) Brook Westinghouse will mail diagram 6-27 GE fwds print of connections to Pt Isa 6-28

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[OVER.]

POINT ISABEL:

Number.	Date.	From or To—	Subject.
187091	5-5	Y&D	Fwds copy of contract awarded to HC Fitch
187510	5-10	Y&D	Recommends material provided for hoisting winches be used to make storehouse for gasoline, oils,etc.W Retd--Reqt est for erection of storehouse for gasoline. 5/16 RB 8/4 Fwd M&D--Appvs estimates. 8/8
187703	4-7	Y&D	Copy of letter to contractor making changes in contract to provide erection and connection oil engine,screening,etc. W
188024	1-19 1-21	Brook Washm PO	Cont 192; oil engine generator; interpretation of test requirements.S
188411	5-19	Point Isabel T	Engine arrived; request setting plans,etc.W To Brook--(T) Reqt plans and instructions for installation. 5/20 Brook Mietz will send papers to 5-22 To-(T) Mietz will send prints. 5/25
188406	5-19	Tp New Orelans.	Storage battery installation; suggests make requisition for inspection of by Edison Co. W
188528	5-21	Cunningham, T	Piping, nipples, elbows, flanges for muffler connections to engine not received. To--(T) Obtain from New Orl. 5/23 Brook contrs not reqd to supply 5-22 To New Orl--Furnins nippes.5/25 To Brook--(T)Expedite shipment matl. 5/22
188581	5-12	Edison Storage Bat Co	Batteries; suggested arrangement.W

N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.
188666	5-20	Y&D	Fwds list of contractors tools with prices; recommends purchase of.W Retd--Reqt Bu arrange to purchase. 5/24 Y&D fwds copy of reqn covering tools 5-27
186647	5-22	August Mietz	Fwds copy of letter to Inspector Brooklyn; fwdng prints of gen set.W
188744	5-15 5-23	Point Isable Y&D	Estimate and specns for fencing station. W Fwd Y&D-- 5/25
188724	5-15 5-20	Point Isabel Y&D	Fwds contractors proposal for moving office building nearer operations building.Y To New Orleans--Asks location. 5/25 Fwd Y&D--Necessary for moving not apparent.6/8 To New Orl--Fwds copy above corres. 5/8
188832	5-22 To Via New Orl--Quotes letter from Mietz Co. 6/6 Pt Isabel (Personal) 6/11	Point Isabel	No source of power for originally starting engine. W To Brook; reqt obtain from Mietz & Weiss information as how to start engine 5/27 Brook fwds sketch hand pump 6-3
189217	5/24	New Orleans	Oil engine for; relative to reservoir for starting.W To (D) shipment from NY Apr 28th included air tank for oil engine 5/31 New Orleans (T) air tank received with engine 6-7
189631	5-31	Y&D	Battery room ventilation; fwds plans.W To--Reqt change contract to cover installation of ventilators. 6/5
189695	5-29	New Orleans	Recommends radio supt visit station to determine position for apparatus.W

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[OVER.]

POINT IZABLE: 1916

Number.	Date.	From or To—	Subject.	
183584	3-?	Point Isabel	Recommends surface well dug by contractors for his own use be accepted at rice of $52.00 W Fwd Y&D--Reqt change order be issued covering. 4/5 To Y&D--Asks provision necessary for.4/13	
183636	3/28 4/3	Pt Isabel Y&D	Water and fire wood for radio station; fwds correspondence to and from.W To Y&D--New Orl directed to provide for water supply. 4/7 To New Orl--Make arrangement for. 4/7	
182402		CARD 7	Brook quotes letter received from August Mietz 4/5 Brook gives analysis of oilused 4-10 To Brook-- 4/14	
184468	4-11	Y&D	Contract for chief operator's quarters, awarded to H.L. Fitch. W	
184686	4/13	Y&D	Relative to delivery of engine.W Retd--Reqt copy of inclusure mentioned be fwd Bu. 4/17 RB enclosure previously omitted forwarded 4/20	
185415	4-15	Point Isabel	Submits list of contractors material which it is recommended be purchased by Govty. W Fwd Y&D--Rec change be made in contract to cover. 4/28	
185483	4-21	To Brook. (T)	Oil engine gen set; engine acceptable if inspection satis. W Brook (T) Reports results regulation test; unsatis; can operate if wireless sets are made less sensitive 4/24 To--(T)Bu directs acceptance oil gen sets. 4/25	

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POINT ISABEL. 853

Number.	Date.	From or To—	Subject.	
185976	4-21	Brook	Oil engine and generator; fwds curves. W	
186196	4-27	Y&D	Radio towers; report of board on changes in contract.W. Retd-- Appvs changes. 5/3 Y&D will be completed July 1 5-5	
186197	4-27p	Y&D	Fwds letter from Civil Engineer relative to water supply; disapproves recommendations for drilling well. W Retd-- Water will be obtained from Rio Grande RR for the present. 5/3	
186230	4-28	Y&D	Radio installation; equipment in power house; contractors offer to install at cost plus 15%.W Fwd New Orl--For recommendation.5/3 To Y&D--Arrangement satis to Bu. 5/20 To New Orl--Fwds copy above. 5/20	RB 5/13
		New Orleans re fuel oil 5-24 Fwd New Orleans--effect delivery of oil at Point Isabel until delivery of oil under 1917 contract can be made 6/1		
186229	4-28	Y&D	Towers; contractors offer to erect antennae at cost plus 15%. W Retd-- Satis to Bu. 5/3	
186690	5/2	Carroll Elec Co	Fwds copy of original bill of lading covering shipment of oil engine and engine generating set shipped by August Mietz.W	
186777	5-3	Y'D	Recommends fire arms and ammunition be supplied. W Fwd Dept--Rec appvl. 5/12	
187032	5-4	New Orleans	Ventilation of battery room.S To Y&D--Comments on:Bu considers it advisable to increase ventiation. 5/15	
187069	5-6	Y&D	Reports arrival of first steel for towers.W Retd-- 5/10	

NB—0120

[OVER.]

POINT ISABLE. 1916

Number.	Date.	From or To—	Subject.	
181527	3-13 TO	Brook R	Request status of generator for, cont 182. Brook (R) ready for test 17th 3-13	
181513	3-13	To Nav.	Reqt detail of Machinist's Mate 1st or 2d Class, qualified to operate a 100 H.P. oil engine plant to Point Isabel. W	
181668	3-14	Brook	Oil engine and generator; cont 182; gives result of test of engine.W To--Auth deficiencies be waived. 3/15	
181843	3-1 o	Point Isabel	Oil house; operator request provision be made for oil storage.W Fwd Y&D 3-21	
181821	3-14	New Orleans	Submits list of mess gear, furnisutre and tools,etc. required.W TO -- submit reqns 3-21	
181829	3-12 3-15	War Dept Dept	Fwds copy of telegram from Brownsville directing station be protected during Mexican trouble.W Fwd Dept via Supt Radio 3/2 0	
192	3/15	To Brook	Oil engine for Point Isabel; reqt shipment be expedited	629
181792	3-16	To New Orleans.	Directs commissioning of set be expedited owing to present unsettleed conditions on the border; appvs allowance of $1,000 for maintenance. W-K	

N.S.E. Form 134.

POINT ISABEL: 853

Number.	Date.	From or To—	Subject.
181859	3-16	Brook	Status of work gen set and engine. Brook reports on status 3-22
182158	3-18	Y&D	Chief operators quarters; fwds plan. W To--Appvs. 3/27
		m	Brook no further info 4-14 Brook re flash pt 5-4 Brooklyn oil used from Pure Oil Co 3-27
182402	3-22	New Orleans T	Request information re oil engine, question of oil stowage, tank for, tank for engine cooling water; contract for gen set, etc/ W New Orleans (R) temporary masts and guys can be prepared at station and shipd 3-24 CARD 8
		New Orleans copy of letter to CE3-24 To Brook--(T)Asks oil required for engine: also date shipment. 3/23 Brook Navy standard fuel oil can be used 3-24 To New Orl--Re oil for. 3/25 To--(T)Gives status on contract. 3/23 To New Orl--Re pipe for masts and guys. 3/25 To Brook--Re oil used for. 3/27	
182362	3-17 3-22	Point Isabel Y&D	Recommends providing fire extinguishers. W Fwd S&A-- 3/27
182520	3-18p	Brownsville	Army operator request ultra audion bulbs. W To S&A--Reqt shipment of bulbs from Wash to. 3/27
182908	3-27	Brook R	Recommends rejecton of gen set. W To--Reqt further data on. 3/29 Brook fwds test sheets; generator unsuitable 3-30 To--Instructions. 4/1 Brook 4/13
183586	3-25	Point Isabel	Request that reqns of material to be delivered at station cover the unpacking and installing of same. W. Fwd Y&D-- 4/5
183585	3-26 4-1	Point Isabel Y&D	Renews request that screens and shades be fitted by contractor for office building. W Fwd Y&D--Reqt change order be issued covering. 4/5

NB—0120

[OVER.]

POINT ISABEL: 1916

Number.	Date.	From or To—	Subject.	
175407	1-5	Y&D	States power house ready for installation oil engine Feb 1. Y Fwd Y&D--Comments on. 1/11 RB 1/24	
176305	1/11	U.S.S.Senate	Senate Bill 2377; for establishment of medium powered radio station Galveston; fwds for comment	604
	1-26	To GE.	Reqn 40; generator panel with instruments reqt prints of. L-S	
	1-29	To GE.Co.	Generator panel with instrument; gives change in specfns; asks change in cost to cover. W-R-S	
177757	1-31	Y&D	Changes in contracts covering buildings and water systems,etc.W Fwd Dept--Rec contract be changed to cover. 2/2 Y&D copy of supplemental agreement 2-5 Y&D supplemental agreement for sewer and water system 3-13	
178580	2-8	GE	Generating panel; company holding up awaiting action on substituting double for single pole switch.L	
178664	2-8	GE Co	Quotes $40 inc for changes in generator panel. W To--Will include in contract. 2/11 To Wash Via S&A--Reqt be included in contract. 2/12	
178766	2-9	Brook	Oil engine and generator; reqt interpretation of test records; request action. WS	
179616	2-18	New Orleans	Have submittes requisition for kitchen utinsils; reqt Y&D order furniture under annual contract.W Fwd S&A-- 2/24 New Orleans recommends local purchase 3-1	

NB—0120

N.S.E. Form 134.

853 POINT ISABEL:

Number.	Date.	From or To—	Subject.	
180112	2-28	To N.Is. VOID		
180268	2-28	To Y&D.	Chief operator's quarters; fwnds now available for construction of; reqt award be made under oroginal contract. W Y&D estimate for quarters excessive; recom be advertised 3-16 To--Appvs. 3/21	
180801	3-4	GE	Generator panel with instruments; fwdsplan. W Fwd New Orl--3/15	
180780	3-2	New Orleans	Submits comment on contract; does not give size of generator, no swtchboard,etc.W To--Gives status of. 3/8	
180811	2-28 3-4	Point Isabel Y&D	Relative to installation of oil engine.W Fwd Y&D--Recommendation re trnasportation of oil engine. 3/16 RB 4/3 Fwd Y&D--Rec change in order to provide for installation oil engine. 4/5	
180799	3-6	To S&A.	Reqt shipment receivers from Wash to Point Isabel. W To S&A--Reqt shipment wire and insulators from NY to Point Isabel. 3/6	
192	3/6	Brook T	Oil engine for Point Isabel; satisfactorily tested Feb. 29th	629
181233	3-10	To S&A.	Reqt shipment of all apparatus delivered under contract 577 from NY to Pt.Isabel.W To NY--Reqt description of appratus be fwd to Point Isabel. 3/14 To S&A--Reqt shipment be expedited.3/14	
NY reports fwdng b/p to New Or 3-22 S&A insulator wire shipped 3-22 3-27 Fwd New Orl--3/27 RB 4/13				
181234	3-10	To S&A.	Reqt shipment apparatus from Brownsville to Point Isabel. W Point Isabel will hold appat Brownsville until permanent station is ready 3-18 Fwd S&A--4/3	

NB—0120

[OVER.]

POINT ISABEL: 1915

Number.	Date.	From or To—	Subject.
170376	11-5	To Carroll Elec Co.	Information re direction of rotation of oil engine; obtain from contr. W
170915	11-10	Carroll Elec Co	Oil engine gen set; fwds plans. W To--Ack receipt of 11/12
170827	11-10	To S&A.	Reqt shipment of insulators from NY to Point Isabel. W NY asks if storage battery shall be shipped Pt Isabel 11/16 Fwd S&A--11/22
171033	11-12	To Y&D.	Drawings for use in connection with station; foundations and exhuast piping; fwds. W
171981	11/15	Carroll Elec Co	Quotes price on switchboard panel and fwds print. W To--Ack receipt of. 11/26
172142	11-23	Y&D	Sewer and water systems. W To--Gives system proposed. 11/26 Y&D fwds prints 12/10 To appd 12/14
172254	11-16 11-24	Point Isabel S&A	Relative to routing shipments. W Fwd S&A--Noted. 11/27
172434	11-26	Y&D	Foundations for oil engine and power house; plan. W To--Appvs. 11/29 Y&D fwds plan 12-2
172646	11-30	Y&D	Fwds plans, contract, etc. for towers; reqt arrgts be made for inspection. W Fwd Pitts--Directs inspection. 12/3 To Pitts--(R) Wire status of. 4/15

N.S.E. Form 134.

POINT ISABLE. 853

Number.	Date.	From or To—	Subject.
173332	12-7	NY	Edison storage battery; fwds report on condition of by expert from Company.W To 12/14
174158	12-17	Carroll Elec Co.	Reqt inspector be instructed as to proper specns under which engine is to be inspected.WS Fwd S&A-- 12/23 RB 1/3 To--12/23 To Pug Sd--Reqt copies of specfns. 2/8 ?
	To S&A--Reqt copies specfns.2/8		
174170	12/13 12/17	Point Isabel Y&D	States building will probably be ready for machinery about Feb. 1st; recommends no machinery be shipped until building is ready.W Fwd Y&D-- 12/24
174346	12/20	Y&D	Fwds report of Board on Chnages in contract 2173, radio buildings.W Fwd Dept--Rec appvl. 12/21
174626	12/18 12/23	Dept S&A	Fwds bill for material used in connection with alterations, Brownsville.W Fwd S&A-- 12/27 RB 1/10 FwdRadio-- 1/11 RB 1/14 Fwd S&A - 1/17
174661	12/22	Carroll Elec Co	Submits list of engine parts for oil engine gen sets.W To--Letter of 21st not rec'd; reqt copy.12/28 Co fwds copy 12-30 To--Do not desire purchase spare parts.1/6
174759	12/21	New Orleans	Reqt copy of contracts and other data on proposed installation.W To--Instructions on completion of station.1/7 To Nav--Reqt travel orders for Radio Gunner W.C.Bean. 1/7 To New Orl--2/10
	New Orleans no force 1-18 To NY-Y&D--Reqt certain information be furnished station. 1/7 To Wash--Reqt contract be furshd.1/7		
174864	12/24 12/27	August Mietz Brook	Oil engine; states have no facilities for making combined test generator and engine.W&S
192	12/24	To S&A	Apparatus for station; reqt arrangements be made with contr so that material will not be delivered before buildings are completed 629

NB--0120

[OVER.]

1915

POINT ISABEL:

Number.	Date.	From or To—	Subject.	
161068	7-20	To Chief Signal Officer Brownsville.	State recent tests show that the 5 K.W. radio transmitting apparatus will not be necessary for transmitting work between Brownsville and ships in Mexican Waters; but change in masts, antenna, etc.necessary.W RB-8-26 To Dept--Have directed that 5.K.W. radio transmitting sets be not installed. W To--Further. 7/22 Dept--approves 7/23 Bu. letter of 7/20 to Chf. Sig.Off, Brownsville RB 8/16 Army list of material stored 8-11	
161259	7-16	Lt Blankship T	Material arrived and brought to army post.	
161263	7-20	War Dept	Copy of telegram ~~from~~ to Ft Sam Houstin permitting increase aerial. W	
161632	7/25	E. J. Blankenship T	Leaving for M Is; services no longer required .W	
161656	7-27	Y&D.	Foundation for columns and bases; fwds prints of. W Y&D revised details of foundations;fwds prints 7/28 To--Appvs plans. 7/28	
162112	7-30	To Y&D.	Spreaders for antennae: recd certain additions and modifications in contract for the towers. W Y&D re design towers; plan 8-11 To Y&D approved 8-12	
162593	8/4	NY R	Storage batteries for Brownsville passed inspection Aug 4th, variable condensers due Aug. 23rd.W	
162610	8-5	To War Dept.	Brownsville radio station: expresses its appreciation of the excellent cooperation of Dept in connection with the re-building of station. W	

N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.	
163020	8/2	J. W. Scanlin	Remarks on station, Brownsville	821
164613	8-30	Y&D	Fwds proposals for building. W Fwd Dept-- Concurs in. 8/31 Solicitor cont to J McCoy 9-2 Fwd Y&D--9/7	
166274	9/20	War Dept.	Variable condenser ordered shipped for Brownsville not yet recd. W To--Will ship without delay. 9/30 To S&A--Rect for shipment from Wash. 9/30	
168424	10-6 10-13	St Louis Brownville, Mexican Ry Y&D	Re inability to make thru shipments/ Fwd Y&D VIA S&A 10-18	
169482	10-26	Y&D	Fwds copy of contract with J. McCoy for building. W	
169730	10-26-5	Carroll Elec Co	Fwds print of Mietz oil engine direct coupled to Westinghouse generator. W To--Ack receipt of 10/29	
169666 Co fwds	10-28 plan 11/6. To CO-Ack recpt 11/9 To Carroll Elec Co--Fwds print for certain infor. 11/4	To Y&D.	Dimensions of oil engine foundations; fwds print of. W To Y&D-- Fwds print. 11/9 Y&D returns print for certain info to be marked thereon 10-1	
169939	10-29	NY	Brownsville; request that winches, etc be returned to NY. W To War Dept--Have reqtd shipment of. 11/15 To S&A-- Reqt for shipment. 11/15	
170076	11-2	To Carroll Elec Co.	Reqt quotations for switchboard for use with 100 K.W. generating set. W	

NB—0120

[OVER.]

1915

POINT ISABEL:

Number.	Date.	From or To—	Subject.	
157368	6-11	To NY.	Apparatus for temporary radio station at Brownsville, Texas; lists certain apparatus to be prepared for shipment to. W	
		To Phila--Ship mast rope.6/22	To--Lists addtional material for. 6/17	
		NY speed of engine, recom inc in antennae wire 6-15	To Phila--Re material to be shipped.6/17	
		S&A--reports shipment of radio material to Brownsville via JASON 6/21	To S&A--Reqt for shipment of material to Brownsville. 6/17 (3)	
158228	6-16	NY	Brownsville radio; reqt instructions re base for generator, top of antennae,etc. W	
			To--(R) Instructions. 6/18	
			To-- Ditto. 6/18	
			NY belting and pulley ready for shipment to Phila June 25/ 6-23	
158299	6-18	NY R	Brownsville; gives dates when material will be ready for shipment.W	
157800	6-10	War Dept	Copy of telegram to Commanding General Southern Dept re Navy using Brownsville radio station.W	
158535	6-18	War Dept	Grants permiss on for temporary use of Army Radio Station at Brownsville.W.	
	6-21	Dept	To War Dept--Secsig)Expenditures by War Dept will be transferred to Navy.6/23	
158830	6-24	To Chief Signal Officer, U.S.Army.	Improvement of radio equipment at Brownsville, Texas; gives data on. W	
158989	6/26	To Nav	Reqt orders Chief Elec J.W.Scanlin from New Orleans to duty in connection with Brownsville Radio Station	632
159250	6-29	Y&D	Fwds print showing buildings. W	
			To--Returns appvd; reqt Operator's quarters and operating house be delayed owing to shortage of funds. 7/3	

NB—0120

N.S.E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.	
159930	7-8	Y&D	Fwds copy of contract with Midland Bridge Co for towers.W	
159891	7-8	To Signal Corps.	Notifies of further shipment of radio apparatus to Brownsville. W To S&A-- Reqt for shipment. 7/8 To NY--(R) Asks when material will be ready for shipment: 8/2 NY--(R)Will be shipped 5th. 8/4 War Dept reports ncn recpt storage bat 8-10	
160327	7-12	Point Isabel T	Reqt test arrgt be made for Brownsville.W To Brownsville--(T)Test arranged gunboats now in Mexico. 7/12 To SACRAMENTO--Gives schedule of tests.7/12	
160436	7-12	War Dept	Quotes message from Brownsville requesting test be arranged for with ships in Mexican waters.W	
160456	7-10	New London S&E Co	Fwds proposition for engine set.W To--Ack receipt of. 7/15	
160723	7-11	WHEELING R	Results test with & MACHAIS. W	
160773	7-15	WHEELING	Reports on test.W	
160958	7-17	WHEELING	5 reports on test. W	
161009	7-17	MACHIAS	ditto	
160986	7-19	To Lieut Blakenship (T)	Results show 5 K.W. Lowesnstein set not necessary but merely to change masts and antenna; reqt recommendation. W Blakenship-Replaies (T) 7/19 To--(T) Rec not install set appvd; proceed erection new masts and antenna. 7/20	

To Nav Operations 8/13
To S&A--directs shipment 8/13
reqts

NB—0120

[OVER.]

POINT ISABEL: 1914

Number.	Date.	From or To—	Subject.	
135817	10-1	S.S.Dobbs. (T)	Req data for foundation work. W Fwd Y&D-- Req name be placed on list to receive propdsals when advertised.10/2 To-- (T) Site not yet secure; work delayed. 10/2	
140739	11-24 11-26	NY S&A	Material now at Brownsville in hands of Southern Pacific RR; no Govn rep to accept delivery.W Fwd S&A--Rec material be sent to Chas.11/30 Fwd S&A-- Satisfactory to have material retained at NY. 1/2	
142233	12-19	To J.H.Garner, M.C	Ack receipt of letter in regard to site of radio station at Point Isabel. W	
143171	12-23 12-28	Dept Justice Dept 12479-692	Site for radio station; fwds reports on examination of title,etc. W Fwd S&A-- Comments. 12/30	
143229	12-28	To J.N.Garner, MC	Understands Dept Justice has appvd title papers for; expect matter to be settled in short time.	
143593	1-4	To Y&D	Reqt advertisement for towers; believes advisable to erect only two towers. W	
145353	1-23	To NY.	Care of Edison storage battery purchased for radio station; reqt examination and report on. W	
151273	4-2	To Y&D.	Towers; returns appvd five tracings of. W	

N.S.E. Form 134.

853 POINT ISABEL:

Number.	Date.	From or To—	Subject.	
152467	4-16	To Y&D.	Y&D tracing #64136: location plan of 300-ft steel towers; returns appvd. W	
153318	4-26	Marconi Co.	Reqt authority to bid on apparatus.W To--Already purchased. 5/7	
156404	6-1	Y&D 2156	Fwds bids for tower foundations.W Fwd Dept--Concurs in rec. 6/5 Solicitor placed with Midland Bridge Co 6-7	
156529	5-14 6-1	At Flt. Cruiser Squadron Supt Radio	Radio communication with ships in Mexican waters; gives range of vessels and reqt Pt Isabel be furnished with temporary set if permanent installation is ~~ne~~ delayed.W Fwd Dept--7/3 RB 7/15 Fwd C&R-- 7/15 To Ports--Auth inc heights masts on ships. 7/15 Fwd Dept Via Rad Ser--Comments on.6/4 To Dept Via C&R--TENNESSE is supplied with modern radio equipment. 6/28 RB 7/3	
156983	6-7	To Firms.	Reqt information as to cost and best type of engine to be installed in 30-K.W. radio set the motor generator to be driven by a 75 horsepower oil engine. W	
157156	6-8	Y&D	Contract awarded to Midland Bridge Co. W	
157172	6-9	To NY & Phila. (R)	Have you generator for delivering 125 volts, shaft of to be long enough to accomodate pulley in order to be belt driven. W Phila (R) Not available. 6/9 NY-(R) Have available. 6/11	
157323	6-10	Memo to Operations.	Following unofficial discussion between Bu and Signal Corps on subject Brownsville Radio station it is suggested previous corres on sujbject be fwd War Dept. W	
157051	6-8	TO Supt Radio	To remove 50 kw from Arlington and install at	891

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~~822~~ POINT ISABEL.

1913

Number.	Date.	From or To—	Subject.	
91861		Supt. Radio	Recommends small station in TEXAS.	899
103553	8/13	Hepburn, Lt. Comdr	Site at Point Isabelm reqt auth. to Expend $50.	899
105397	9/2	Hepburn-Carlson Board	Submits report on proposed site at Point Isabel, Texas.	899
113123	12/19	Laguna Vista Club	Mailed proposal for sites 5 miles from Point Isabella on the 17th	899
113265	12/12	do	Have decided to donate proposed site.	899
113266	12/?	do	Can furnish 25 acres at satis. price	899
		1914		
114987	1/14	To J.B.Wells	Lt.Comdr Hepburn will meet in Brownsville Monday re Texas sites.	899
115015	1/14	From	Only half owner, etc	899
116087	1/27	Lt.Comdr Hepburn	re Purchase of site at Point Isabel, Tex. fwds Dept.	899
118078	2/19	Fed.Tel.Co . T	Reqt. information re sets desired for Boston, Guantanamo and Pt. Isabel	876

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N. S. E. Form 134.

POINT ISABEL. 853

Number.	Date.	From or To—	Subject.	
120101	3-13	Grant, J.F.	Reqt opportunity to submit quotations on lumber, etc. W Fwd Y&D 3-17	
124248	5-6	At Communication Co.	Asks if station is to be erected. W To---question now pending as to suitable site. 5/7.	
125341	5-20	TO Y&D	Proposed stations at; power and radio installation; gives what is contemplated. W	
126934	6-9	To Dept.	and San Diego - complains of delay in acquiring titles to sites. W	
127166	6/11	Elec. Storage Bat. Co.	Relative to batteries bid on for station, recn. 325. W To--5/12	
No #	7/2	To S&A via Dept.	Bu. recn. 325; bids for 600 volt, 300 ampere hour storage battery for; recommendations. W-R	
129792	7-13	At Com Co.	& New Orleans, San Diego; reqt opportunity to bid on high powered stations. W TO -- replies 7-15	
131480	8-3	Edison Stor. Bat. Co.	Battery control board - fwds. prints	882-1
133809	9-4	Edison Storage BAt Co	Battery and switchboard installation; asks what method of assembling of cells was decided upon. S To--Prefer the assembly upon the floor.	9/10

NB—0120

[OVER.]

POINT LOMA changed to SANDIEGO.

1912

Number.	Date.	From or To—	Subject.	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

#830

POINT LOMA

FILE No.		From or To— (Dated)	Subject.	
36834	4/13	M.Is	Quarterly report inspection.W.	
35882	5/24	To M.Is.	Reqst reqn.be fwd for masts.W	818
No #	6/7	To Dept	& M.Island: Reqn.695. Reqst auth.to have bids for erection of lasts referred to Commandant, M.Is., for rec. as to award. W	
45873	7/29	M.Is.	& M.IS: report status of cont. for new mast	818
46730	7/21 7/28	Point Loma M.Is 661	Reqt. tent for Chief operator and wife.W Ret M.Is. Issue of a tent not appd.8/25. P B 8-5 a'ppd	
47775	8/28	M.Is 624	Quarterly inspection. W	
48179	9/7	TO M.Is	Necessary to delay action on mast; suggest arr. no guides under aerial.W Tel M.I. location masts approved - change guys 9/8	
48192	9/8	M.Is T	Practicable to swing southern guide 28° Northern 45°. W Tel. M.I. proceed 9/9	
49013	9/8	M.Is.	Submits estimates for improving:etc	895
49194	8/25	M.Is	Fwds print and recommendations re location of masts.W. Ret--reqt duplicate prints showing new climits of station.9/30. RB 3-25	

NB—0120

891

N.S.E. Form 134.

TUCKERTON

37

Number.	Date.	From or To—	Subject.	
384675	12/27	Pacific Coast	Marconi Shore Stations and Shp radio stns on vesseks controlled by Shipping Bd RR Adm subm recommendations re , to purchase of W	793-5
378831	1;25	None	Copy of letter to Coast Guard req make further investigation.	

1919

Number.	Date.	From or To—.	Subject.	

4—3381

See 920-9

TUCKERTON. DUPLICATE.

Number.	Date.	From or To—	Subject.
294282	4-1	Communications	Inspection report - recommends recommendations contained therein be carried out. W
294630	3-30	Phila	Forwards inspection report. W
292782	3/30	Fwd Phila	A dd'l loading coils for. Reqt supply to station in accord with specns attached. W To Philadelphia 3;20 received back 5;23
292783	3/30	Fwd Phila	Loading coils for. Fwds specns covering. W
294904	3-30	Tuckerton	Weekly report. W
294888	4/2	Tuckerton	Proposed riveted ground system-fwds prints.W To Phila--Reqt submit est.4/9 R B 5/29 Phila 5/7.
292371	4/2	Fwd Y&D	Quarters for marine detachment, Tuckerton. Disappvs rec, and gives action. Wppvs est as outlined. W RB 4-8 Fwd Dept--4/11 RB 4-22 TO Y&D-- In re above--4-26

N.S.E. Form 134.

TUCKERTON. 891

Number.	Date.	From or To—	Subject.	
294173	4/6	To Phila T	Purchase of one boiler for auth. $3400 allotted to cover. W Phila - Confirms telephone conversation. W 4-9 To Phila--Makes add'l allott. 4/19	
295981	4/3	Tuckerton	Request temephones. W Fwd Phila--4/9	
294946	4/9	To Phila	Confirmation of tele conversation re auth of purchase of boiler for use at Tuckerton. W	
317913	6/20	To Tuckerton (T) Fed Co	Beal & Fuller will visit station this wk. W To Tuckerton (T) Inform Fuller Federal representative to visit Wash. before leaving for West. W 6/21	
331727	8/1	Fwd Secy	Re quarters for Marine Guard & personel at radio Sta Tuckertonp	920-4
325157	7/10	C&R	Req Bu shp two motor dories to Tuckerton for use of radio sta	611-2
366314	11/4	To Capt. Todd, Dept.	Re definite arrangements re status of Vladivostok & Tuckerton Radio Stas.	920-13
286412	8/1	To Rad. Sta. Tuckerton	Asks if radio apparatus recd. W.	917

4—2381

[OVER.]

TUCKERTON.

Number.	Date.	From or To—	Subject.	
278543	2/2	Gregory Elec. Co T	Motor shipped to Tuckerton by express 2/1 - W Phila 2/1 - W The Gregory Elec Co - 1/31 - W	
278592	1/26	Tuckerton	Weekly report.W	
278963	2/1	Phila	Copy of telephone conversation rel to expense of working party on installation work at Tuckerton.W	
279290	1-31	Tuckerton	Report on inspection.W	
279367	2/2	Gregory Elec Co	Motor for Tuckerton shipped Feb.1st.	
280202	2/2	Tuckerton	Reports on temporary installation of 100 KW arc convertor, etc - W	
280385	1/28 2/5	Tuckerton Phila	Requisition 431 for a motor for use in connection with operating in parallel.	
259167	2-1	Tuckerton	Phila submits estimate and plans for lighting grounds of Tuckerton Sta with searchlights 2-1	708

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TUCKERTON. 891

Number.	Date.	From or To—	Subject.	
281401	2/9	Tuckerton	Weekly report - W	
284053	2/16	Tuckerton	Weekly report.W	
284412	2-25	Y&D	Necessary to drill artesian well deeper - gives estimated cost. W ~~To—Makes allott.2/27~~ ~~Y&D--3/2~~	
284463	2/21	Tuckerton	Reports completion of installation of any 1-kw arc converters.W	
285061	2-23	Tuckerton	Weekly report. W	
285312	2-26	Phila	Asks if Bu Regn #341 covers separate arc equipment from that on contract 32668. W	
285352	2-27	GE Co	Forwards specifications, prints, and quotations for equipment for melting sleet on antenna. W	
~~330446~~	7/25	C&R	Motor dory 1163 assigned TUCKERTON RADIO STA	311-2

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[OVER.]

TUCKERTON.

Number.	Date.	From or To—	Subject.
265602	12-7	Y&D	Have allotted $2500 to cover cost of installation of well·W
265801	12/7	Federal Telegraph Co	States radio equipment for was shipped on December 4th.W To Phila--Fwds copy of above letter.12/10 To Phila--Reqt information re progress of install of arc converter. 1/5
265857	12/11	To Phila	Repairs to arc chamber at, Ask if can be repaired at Phila, after installation of new arc converter. W Phila 12-18 To Phila--12/21
266651	12/13	To Phila	Report on exchange of words between Tuckerton and European Station. Reqt information in connection with. W Tuckerton 12-18
267392	12/14	Federal Telegraph Co	Instrns book for 100 kw arc converter being fwded to Tuckerton-fwds copy.W
268709	12/13	Federal Co	Arc converter ans signalling system under contract 32668-fwds prints.W
269982	12/~~27~~26 12/27	Tuckerton 4th nav dis	Goldschmidt alternator control panel-fwds reqt and recommendations for alterations to.W To Dist Com Supt Phila via Phila--Grants auth for making changes.1/5
270939	12/27	Tuckerton	Request authority to return screws to Wallace Barnes Co shipped in error in 1913. To--Grants auth.1/4

N.S.E. Form 134.

TUCKERTON. 891

Number.	Date.	From or To—	Subject.
270872	1/3	To S&A	Reqt shipt of radio head telephones from Wash to. W
271155	1/4	To Nathan Klein Co T	Reqt quotation delivery Tuckerton of 100 H.P. motor with slide rails and rheostat for field.W Nathan Klein & Co 1-7 Gregory Elec Co 1-8 Nathan Klein Co quotes prices 1-4 and 1-5
271344	1-4	Gregory Elec Co T	Quotes price for 100 HP GE motors·W
273820	1-9	Phila	Installation of 100 kw arc set at Tuckerton; reports status of plans now in preparation·W ~~To Phila--Directs expedite installation.~~ 1/17 Phila W - 1-22
274179	1/17	To Tuckerton	Ask if there is an automatic Kleinshhmidt transmitter with perforator at station. W Tuckerton request Kleinschmidt transmitter 1-18
274308	1/19	To Phila	Outlines work and directsaaccomplish as soon as possible. W Phila 1-25 Fwd Phila--2/1 Philadelphia--5/6
278162	1-30	Phila	Confirms telephone conversation relative to Requisition 431. Y

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[OVER.]

TUCKERTON.

Number.	Date.	From or To—	Subject.
251257	9/17	Tuckerton 635-3	Submits list of civilian employees, ratings and pay and suggests adjustment of wages be taken up with Wage Board, Phila Yd.W&K Fwd Dept—9/28 RB 12-11 Fwd Nav Com—12/13
251622	9/28	To S&A	Reqt shipt of wave meter from Wash to Phila for W
254303	10/10	Tuckerton	Request storage cells and separators.W To—Directs submit reqn for.10/22
254300	10/10	Tuckerton	Request litz wire.W Fwd S&A—10/16
254301	10/10	Tuckerton	Fwds copies of correspondence with Matthews Bros, relative to sinking of fresh water wells.W Fwd Y&D—10/16 RB 11/23 Y&D--11/6.W Fwd Dept—11/27 RB 12-5 Fwd Y&D—12/6 Y&D replies to tracer 1-30
254302	10/10	Tuckerton	Fwds copy of letter from officer in charge, stating present water supply unfit for use in boiler; recommends evaporating system be installed.W Fwd Y&D—10/16
256338	10/20 Fwd Dept via Nav Com.—12/5	Tuckerton	Fwds tax notice for 1917.W Fwd Sol—10/29 RB 11/5 Fwd Phila 11-6 RB 12-1
256877	10/17 10/18	Nikola Testa Co Tuckerton	Reqt information as to status of their claim against former owners for infringement.W Fwd Nav C om—10/29

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TUCKERTON. 891

Number.	Date.	From or To—	Subject.	
258304	10/23 11/1	Phila Communications	Relative to furnishing water supply.W	
259048	11/6	Tuckerton	Fwds corrected drawing of the arc system.W	
260937	11/15	To Tuckerton	Fresh water supply for. Ask what is being done in connection with. W Tuckerton 11/17 Phila 11/22	
261519	11/15	Tuckerton	Request 2 spare carbon electro holders.W	
261275	11/19	To S&A	Reqt shipt of carbon holder for radio set from Wash to. W To Tuckerton--11/19	
261763	11/20	To S&A	Reqt shipt of carbon electrode holder from Wash to Tuckerton. W To S&A--Reqt shipt of radio arc set from Wash to Tuckerton.11/21	
262881	11-24	To Phila	100 KW Arc converter for TUCKERTON STATION. Directs make arrgts for install of. W	855
263669	11/27	Federal Telegraph Co	States 100 kw arc converter and signalling key ready for shipment Tuckerton.W Federal Telegraph Co-reports shipping arc converter.12/6	

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TUCKERTON

Number.	Date.	From or To—	Subject.
232067	6/1 6/5	Tuckerton Phila	Reports difficulty in securing duplicate receipts from owners of property as not knowing who owners are.W
232296	6/1 6/6	NY S&A	Requisition 4-1/2 Tuckerton, for telephone service 1918.W Fwd S&A—6/9
232523	6/8	Phila	Gives amt required to operate stations W
233181	5/31	Tuckerton	Recommends building additional cesspool.W Fwd Y&D—6/14 RB 6/20 Fwd Y&D—6/22 RB 9-12 To Y&D—Makes allott.9/17
234620	6/16	Tuckerton	Fwds bills against substa tion at Portland, Me.W Fwd Tuckerton—6/22
234736	6/19	Tuckerton	Fwds inventory of station property.W
237505	7/7	Tuckerton	Closing of station necessary unless coal is received within 3 weeks.W To—7/12 Fwd S&A—7/13 RB 7/16 Tuckerton states coal received; no danger of shortage 7/13 Fwd S&A—7/19 RB 7/23

N.S.E. Form 134.

TUCKERTON/ 891

Number.	Date.	From or To—	Subject.	
238859	7/15	Tuckerton	Gives numberof words handled Sept 9, 1914 to April 15, 1917.W	
241427	7/31	Tuckerton copy	Request information relative to allowing digging of mosquito trenches.W To—No objections.8/2 Tuckerton 9/10	
241657	8-1	Fwd Tuckerton Via Phila.	Bureau will pay no bills contracted by Radio station Portland, Me.	793-5
242444	7/27	Tuckerton	Fwds description of radio set .W	
234511	8/13	To Phila	Ask power available at Tuckerton. Propose to install 60" anti-aircraft searchlights.	708
244648	8/17	Marine Corps	Marine Detachment; request additional quarters and boat for, at Tuckerton.W	
To— Will not be furnished at this time.10/30			Fwd Phila—8/27 RB 9/1 Marine Corps request action 10/23	
Marine Corps request action 10/31				
To—11/5		To Marine Corps Wash— boat for Marine Corps-5-31		
749	8/29	To S&A	Reqt shipt of 12" incand searchlight from NY to Tuckerton.	629
247718	?	Communications Supt, Phila	Reports on inspection of station.W	
250913	9/22	Marine Corps	Report on inspection of Marine Detachment at.W Fwd Phila—9/28 Marine Corps request action 10/16 Fwd Marine Corps—10/19	

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TUCKERTON.

Number.	Date.	From or To—	Subject.
220084	3-15	Tuckerton	3 stage audion amplifier; request be sent Washn for repairs. W. To--Ask necessity for an add'l ultraudion. 3/30 Tuckerton amplifier not absolutely essential 3/31 To S&A--Reqt shipt of ultraudion detector from Wash to Tuckerton. 4/4
220546	3-25	Tuckerton	Poulsen set at station is property of Fed Tel Co; Homag Co. pay royalty; recommends Navy purchase or lease in event war. W FwdDept--4/4RB 4-12
221541	4-9	Tuckerton T	Request reqn 15 and other be filled earliest p possible date. R To--Under cog of Phila, for supplies, etc. 4/10
221996	4-7	Tuckerton T	Request Cohen or Navy standard receiver. W
221988	4-7	Tuckerton T	Request Master rigger be ordered to inspect tower and rigging.. ToDept--Reqt Phila be auth to send. 4/12
221471	4/11	To S&A	Reqt shipt of long range receiving set from Wash to. W To--Ditto. 4/19
222115	4/11	Fwd Nav Com	Instrns re maintenance of Station under cognizance of Phila. Instrns in connection with have been issued. W

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TUCKERTON.891

Number.	Date.	From or To—	Subject.	
222115	4-7	Tuckerton	Status of Homag; personnel; part removed by Dept:Justice; reqt instructions re maintenance charges 4-7	
223859	4/9 4/16	Tuckerton Phila	Requests search light for protection station W To Phila--Auth purchase of.4/25	
224046	4/19	Tuckerton	Fwds requisition for pay of civilian employees and requests that approval of same be expedited.K&W Fwd S&A--4/23 Fwd Dept--4/24 S&A fwds copy of requisition 5/1 R	
Tuck 27-30	4/21	To Phila	Fwds copies of reqn, and reqts cost of material be ascertained. R	
33	5/9	To Tuckerton	Tuckerton station placed under Phila. Reqn appvd. WR	
227909	5/3	Federal Telegraph Co	Request distribution Navy Dept wishes to make of their arc set W	
229105	5-17	Tuckerton	Have discontinued weekly report of operation.W	
229100	5-16	Tuckerton	Fwds inventory.W To Phila--Reqt duplicate signed receipts from owners of property.5/23	

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TUCKERTON: 1916

Number.	Date.	From or To—	Subject.	
191729	6-22	TUCKERTON	Report week ending June 11	
192154	6-28	Tuckerton	ditto June 18.W	
192851	7/3	Tuckerton	Weekly report.W	
193180	7-7	Tuckerton	Weekly report June 25.W	
193668	7/7	Tuckerton	Weekly report, week ending July 2nd.W Ditto for July 9th. Ditto for July 24 Ditto for Aug. 1. Dktto for Aug. 9	

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891 TUCKERTON:

Number.	Date.	From or To—	Subject.	
199836	9-20	To Tuckerton.	Bu has no objection of Dr. F.S.Wheeler of Crocker-Wheeler to making a visit to station. W	
201425	10/7	To Tuckerton	Reqn #7 Oct. 2, 1916, ultra-audion bulbs. Disappvd. 10/7 WR	
209298	12-9 12-18	Kennedy, C Dept	Clima Homag Co. should be reimbursed from earnings of the station for royalties ~~used~~ due on apparatus used. W Fwd Dept--3/8	
			1917	
212864	1/29	Crocker, Wheeler Co	Request permission for representative to visit Tuckerton station in connection with examination high ~~ref~~ frequency generator	882-3
213460	2-3	Tuckerton	Have requested aliens to remain away from station ; reports on present arrangements.W	
Bu 125	2/27	Fwd S&A	Expert radio aid at, at $6.00. Rec accept of W.A.Graham's proposal. R	
36	3/19	Fwd S&A	Re Portable house for TUCKERTON STATION. R	
219008	3-20	Tuckerton	Reports number of paid words sent during Feby. W	
219222	3/21	Marine Corps	Request suitable store room be provided for use of Marine Btachment; fwds correspondence.W Fwd S&A--3/24 R B 4-20	

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TUCKERTON: 1916

Number.	Date.	From or To—	Subject.
182781	3-24	Tuckerton	Weekly report.W
182790	3-24	Tuckerton	Weekly report. W
183788	3/28	Tuckerton	Weekly report.W
185411	4-21	To Dept.	& Sayville: Engineering personnel: if Dept takes over stations it will be necessary to appoint civilians to assist censor in material matters: Bureau will make prelim arrangement to take over stations if Dept wishes. W Dept make prelim arrgt to take over, including appointing expert aides 4-22 Fwd Dept Via Nav--Reqt authority ofor appointment of radio aids for. 4/25
186156	4-27	Tuckerton	Coil forarc; Government property; should be paid for by Navy Dept Fwd S&A-- 5/9
186869	4-30	Tuckerton	Weekly report. W
187574	4-30	TTuckerton	Weekly report.W
188170	5-15	Tuckerton	Weekly report.W

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TUCKERTON: 891

Number.	Date.	From or To—	Subject.
188421	5-17	Tuckerton	Request permission to purchase audion bulbs and other material from Navy Dept.W Retd via S&A 5/29
189494	5-23	Tuckerton	Marine Detachment expenses for supplying quarters,etc to be charged to SE.W
190090	5-24	Tuckerton	Weekly report
190054	6-6	To Marine Corps--Reqn for portable house made October 2nd.11/6 To Phila. Fwd Mar Corps--Asks if proposed quarters are satis. 8/9 RB 8/14 Fwd Mar Corps--8/9 RB 8/14 Fwd Tuckerton-- 8/16 RB 8/19 To Y&D--Reqn should be advetised. 8/1	Marine Corps reqt bldg be erected 9-26 Y&D fwds reqn for portable house 8-21 Reqt recommendations covering quartering of Marine Detachment sationed at. W BLRB 7-13 To Y&D--Reqt provide house for 9/30 To--Reqt recommendations for above 7/17 RB 7/25 To Y&D--Reqt Bu provide for construction of housing for Marine. 7/26 Y&D fwds print of proposed portable house 8/2
190179	6-6	Tuckerton	Weeklu report. W
190300	6-8	Tuckerton	Weekly report Apr 30. W
190560	6-9	Tuckerton	Weekly report May 7
190677	6-10	Tuckerton	Weekoy report May 14
191024	6-16	Tuckerton	ditto May 21
191096	6/17	Tuckerton	Weekly report week ending May 28th.W
191426	6-18	Tuckerton	Week June 4.W

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MERCHANT SHIPS & STA.

Number.	Date.	From or To—	Subject.
170422	11-4	Tuckerton	Weekly report.W
170691	11-8	Tuckerton	Reqt decision re cutting down number of routine repairs.W
170972	10-13 11-10	Tuckerton Supt Radio	Weekly report; daily efficiency reports; reqt size and amount of information called for be reduced.W Fwd Tuck--Appvs rec; gives information desired 11/13
171217	11-12	Tuckerton	Weekly report.W
171873	11/17	Tuckerton	Weekly report.W
172618	11-30	Tuckerton	Weekly report.W
173213	12-5	Tuckerton	Weekly report.W
174067	12-15	Tuckerton	Weekly report.W
174265	12/16	Tuckerton	Weekly report.W
175078	12-29	Tuckerton	Reqt arrgt be made for securing audion bulbs and oather material for operating plant whenever needed.W Fwd S&A Via Rad Ser--Comments on. 1/5 RB 5/3 Fwd S&A--Arraggement satis. 5/5

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891 MERCHANT SHIPS & STATIONS:

Number.	Date.	From or To—	Subject.
175254	1-3	To Dept Via Rad Ser.	Transfer of Navy's radio apparatus from Tuckerton to Arlington; reqt auth to transfer 100-K.W. radio motor-generator set. W 1916 Dept auth 1-8
175780	1-8	Tuckerton	Weekly report.W.
176318	1-15	To S&A.	Reqt shipment radio apparatus from Tuckerton to Washington for instalation at Arlington.W
Tuckerton (T) roads impassable 2-1			Tuckerton will ship Jan 31 1-24 Tuckerton condition of roads bad 1-26
176969	1-15	Tuckerton	Weekly report.W
178408	1-31	Tuckerton	States motor generator shipped Arlington was accompanied byspare bearing not furnished with original installation.W Fwd Wash-- 2/9 RB 2/16
179934	2-23	Tuckerton	Weekly report. W
180355	2-26	Tuckerton	Weekly report. W
180531	2-29	Tuckerton	Weekly report. W
180971	3-4	Tuckerton	ditto
181277	3-8	Tuckerton	Weekly report
181912	3-16	Tuckerton	Weekly report

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MERCHANT SHIPS & STATIONS. 1915

Number.	Date.	From or To—	Subject.
163265	8-10	Tuckerton	Weekly report.W
163817	8/16	Tuckerton	Weekly report.W Fwd Radio 8/20
163825	8/16 8/19	Tuckerton Supt Radio	Homag Co reqt that Navy Yard transmitter be retained until after Sept. 15th; Supt recommends against.W Fwd Radio--to be removed Sept 1st 8/20
163978	8-18	Tuckerton	Reqt permission to move protable house in connection with antennae experiments.W TO Supt appvd 8-23
163893	8/20	To Tuckerton	Asks status and condition of theNavy's hot wire ammeter and whether there is an additional one available for use in event of removal.W Tuckertonno navy hot wire ammeter; belongs to Homag Co 8-24
164298	8-24	Homag Co (Per Kennedy)	Urgest retention of Navy Dept are set until Sept 20. W Fwd Dept recommending removal 8-26 Dept disap reqt Homag Co 8-27
164436	8-24	Tuckerton	Weekly report.W
164933	8-31	Tuckerton	Weekly report. W
165311	9-6	Tuckerton	Weekly report.W
165405	9-7	Tuckerton	Fwds bill for hauling.W Fwd S&A-- 9/10

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Tuckerton

891 MERCHANT SHIPS AND STATIONS:

Number.	Date.	From or To—	Subject.	
165876	9-15	To S&A Via Rad Ser.	Tuckerton regns 11-12 for supplies; aks what items should be supplied. W-R RB 9/21 Fwd S&A-- 9/21	
166289	9/18	Tuckerton	Weekly report. W	
166363	9/18 9/21	Tuckerton Supt.Radio	Rel to securing of a new location for the horizontal antennae for receiving signals.W Fwd Rad Ser--Comments on. 9/22	
166547	9/22	Tuckerton	Weekly report. W	
166855	9/26	Tuckerton	Reports receipt of new arc. W	
167405	10-2	Tuckerton	Weekly report. W	
167805	10-8	Tuckerton	Weekly report	
168021	10-9	Supt Radio	& SAYVILLE; recommends purchase of portable house for sleeping quarters during winter.W To--Comments on.10/13	
168326	10-13	Tuckerton	Weekly report.W	
168639	7/26/14	Hooper, Lt. S. E.	Reports on generating plant at Tuckerton	882-3
169212	10/20	Tuckerton	Weekly report.W	
169728	10-28	Tuckerton	Audion bulbs; reqn 12; reqt be expedited.W	
169705	10-27	Tuckerton	Weekly report.W	

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Tuckerton

MERCHANT SHIPS & STATIONS. 1915

Number.	Date.	From or To—	Subject.
158007	6-7	Tuckerton	Reports changes in sending schedule.W
158117	6-15	Tuckerton	Weekly report
158357	6-17	Tuckerton	Weekly report.W
158660	6/21	Sayville	Gives constants of umbrella antenna.W
158664	6/22	Sayville	Reports on progress of work.W
158748	6-21	Tuckerton	Weekly report. W
158874	6-24	Tuckerton	Eilvese will be ready to resume sending in few days.W
159139	6-26	Tuckerton	Revised schedule Eilvese.W
159362	6-29	Tuckerton	Weekly report
159361	6-3(	Tuckerton	Reports change in sending schedule.W
159458	6-30	Sayville	Reports on progress of work. W Fwd Rad Ser-- 7/2 RB 7-12

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Tuckerton

MERCHANT SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.	
159823	7-6	Tuckerton	Reqt copper radiating plates be expedited. W Fwd S&A-- Expedite, 7/9 RB 7/19 Fwd Tuck-- 7/20 RB 7/24	
160232	7-9	Tuckerton	Weekly report.W	
160703	7-14	Tuckerton	Weekly report	
160911	7-16	Tuckerton	High frequency machine out of com. W	
161099	7-20	Tuckerton	Weekly report.W	
161412	7-20	Tuckerton	Horizontal antennae does not improve reqeiving from Eilvese. W	
161939	7/27	Tuckerton	Weekly report.W	
161782	7-28	To Phila.	Radio station placed under Yd for maintenace supply and upkeep. W To Tuckerton--Station placed under control of Phila Yd. 7/28 Fwd Tuckerton--Asks if bill is chargeable to Station. 3/25	
162474	8/3	Tuckerton	Weekly report.W	
162775	8/4	Tuckerton	Reqt loan of 2 40-ft field sets masts for experimental purposes.W To--Unable to furnish masts within time specified. 8/9	
162726	8-6	To Rad Ser.	Reqt Dr.L.W.Austin be permitted to visit the SAYVILLE and TUCKERTON radio stations.W	

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Tuckerton

MERCHANT SHIPS & STATIONS. 1915

Number.	Date.	From or To—	Subject.
153907	4-27	Tuckerton	Reqt authority to buy 100# ice daily. W To--Submit reqn for: 5/8
153914	4-30	Tuckerton	New schedule with Eilvese.W
153915	4-30	Tuckerton	Reports nothing received from Eilvese during past week. W
154268	5-5	Tuckerton	Weekly report.W
154458	5-8	To S&A.	Reqt shipment from Wash to Tuckerton of 1 tone sheel; 1 rheostat, 4 coils. W
154800	5-11	Tuckerton	Weekly report.W
154791	5-12	To S&A.	Reqt shipment of 2 Baldwin head telephones from Wash to Tuckerton. W
155023	5-12	Tuckerton	Reqt for misc supplies: 4 letters.W To--Make reqts on reqn instead of leatters.5/19 To S&A-- Reqt supplies be furnished.5/19
155441	5/16	Tuckerton	Weekly reports operations.W
155891	5-24	Tuckerton	Reports Eilvese not sending.W
156017	5-25	Tuckerton	Weekly report. W

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Tuckerton

MERCHANT: SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.
156099	5-24	~~Wash~~- Tuckerton	Reports Eilvese not sending. W
156152	5-28	Crenshaw	Honolulu test schedule. W To M.Is--(R) Gives schedule of test.5/28
156316	5-29	Tuckerton	Eilvese will not send for one month.W
156537	6-1	Tuckerton	Weekly report
156592	6-3	To Supt Radio Service.	Sayville Radio Station;reqt be furnished with monthly reports of progress of the construction and experimental work at.W
157145	6-7	Tuckerton	Change in sending schedule.W
157051	6-8	To Supt Radio Service. To--Asks when remainder of apparatus will be avilable for transfer. 12/20	Removal of Navy's 60-K.W. arc transmitter from Tuckerton; will be necessary to remove 30-K.W. set now in use at Arlington to install at Point Isable; set at Tuck will be transferred to Arlington. W Supt recom 60 kw for Isabel,etc 6-12
157256	6-8	Tuckerton	Weekly report
157822	6-9	At Com Co.	Nauen; gives wave length used at different times.W

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Tuckerton

MERCHANT SHIPS & STATIONS.

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Number.	Date.	From or To—	Subject.
151659	4-2 4-5	Dept State Supt Radio	Re-arrgt for test radio station in Guatemala. W To NY--Fwds correspondence in connection with test. 4/7 To Dept-- Fwds copy above. 4/7 NY 4/20; returns correspondence.
	Correspondence retd to Dept with 149702-891. 4/24		
151751	4-6	~~Pe~~ Tuckerton	Reqt wire door mats. W To S&A-- Reqt be furnished 4/13
151935	4/6	Tuckerton	Weekly report.W
152077	410	Tuckerton	Reqt audion bulbs. W To S&A-- Reqt shipment from NY. 4/13
152270	4-13	Tuckerton	Reqt transmitting key,etc. W
152446	4-14	Tuckerton	Weekly report.W
152509	4-11	Tuckerton	Reqt stationery,etc.W Fwd S&A-- Reqt be furnish 4/19
152757	4/17	Tuckerton	Reqt radio phones.W
152830	4-20	~~Tucke~~ Supt Radio	High frequency sets; recommends Homag machine be repaired in this country and navy arc set be withdrawn from station.W Fwd Tuckerton--Take up with Hom ag Co re repairs to machine. 4/22
152831	4-19	Tuckerton	Reqt asbestos board.W To--Reqt needs of station be anticipated and corres calling for 1 or 2 items be eliminated 4/26
152851	4-19	Tuckerton	Reqt asbestos blocks, bakelite, packing. W
152946	4/20	Tuckerton	Reqt letter paper.W

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Tuckerton

MERCHANT SHIPS AND STATIONS. 89a

Number.	Date.	From or To—	Subject.
152931	4/21	Tuckerton	Weekly report.W
153241	4-23	Tuckerton	Fwds bill for hauling poles.W Fwd S&A-- 4/29
153255	4-23	Tuckerton	Removal of arc set will cripple efficiency of station 50%. W
153106	4-24	To Y&D.	Lighting protection for new radio towers; reqt work of providing above be not undertaken until after July 1 owing to the depleted condition of appropriation. W
152859	4-24		Reqt shipment certain supplies to Tuckerton.W
153498	4-27	Tuckerton	Reqt audion bulbs.W To S&A--Reqt be furnished from NY. 4/30
153500	4-27	Tuckerton	Reqt Wireless Spec transmitting gear and head phone.W To--Have reqtd shipment of from NY. 5/24 To S&A-- Reqt for shipment. 5/24
153781	4-29	Smith, H.J.	Reqt payment for bill for photo amounting $64.94.W To--State will be made. 5/3
153736	4-30	To NY. (R)	Inform Hill & Clark orders issued for them proceed Sayville and wittness and report operation high requency generator. W
153891	4-27	Tuckerton	Asks disposition to be made of worn out audion bulbs. W To--Invites attention to 141818-898. 5/5

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[OVER.]

Tuckerton

MERCHANT SHIPS & STATIONS. 1915

Number.	Date.	From or To—	Subject.
148983	3-1	Fed Tel Co	Tuckerton-Honolulu tests; reqt copy of report on from Dec 9 to completion.W To--Will fwd when prepared. 3/25
149326	3-8	Tuckerton	Weekly report. W
149422	3-10	Tuckerton	Reqt electrolite.W To S&A-- Reqt be furnished. 3/15
149462	3-11	Tuckerton	Reports shipment of 60 kw generator to Boston.W
149845	3-15	Tuckerton	Fwds bills for hauling gen sets. W Fwd S&A-- Fwds appvd. 3/20
149958	3-16	Tuckerton	Reqt Audion bulbs and Tungstein lamps.W To S&A-- Reqt be furnished. 3/18 S&A 4/17--corres re shipment of Audion bulbs andlamps.W Fwd NY--4/26 RB 5/7 Fwd NY-5/12 To--Have reqtd shipment from NY. 4/25
149998	3-17	Tuckerton	Weekly report
149999	3-17	Tuckerton	Reqt supply of cleaning gear. W Fwd S&A- Reqt be supplied. 3/19
150014	3-16	Dept Commerce	Try-City Laboratory; reqt recommendation re grant license. W To--Comments on. 3/24
150067	3-15	Tuckerton	Fwds description of radio installation; reqt Bureau make smooth copies for station and Mr. Mayer. W To-- 3/26

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Tuckerton

MERCHANT SHIPS. 891

Number.	Date.	From or To—	Subject.	
150436	3-17	Fed Tel Co.	Tuckerton; arc set; proposed modifications.W	
150655	3-19	Clark, G.H.	Marconi High power station at Bolinas, Cal; description of.W.	
150652	3-19	Clark, G.H.	Federal Co. South City station; report on inspection.W	
150878 VOID	3-27	Weaver, J.H. Co.	Fwds copy of letter to S&A relative to adverse commants on their coal by MAINE	
150809	3-23	Fed Tel Co.	"Continuous Wave in Long Distance Telegraphy" fwds copy of proposed article which embodies results Tuckerton-Arlington Honolulu. W	
150876	3-25	Tuckerton	Reports on signals. W	
150939	3-29	Tuckerton	Reqt Edison storage battery.W To S&A--Reqt be supplied from NY. 3/30	
151121	3-30	Tuckerton	Reqt fire extinguisher and supply of forms.W. To-- Reqt fire extenguisher be furnished.4/2	
151506	4-3	Tuckerton	Reqt dry batteries.W To S&A-- Reqt be furnished from Ny. 4/12	

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Tuckerton

MERCHANT SHIPS & STA. 1915

Number.	Date.	From or To—	Subject.	
146875	2-10	Hepburn T	Sayville; make arrgt for test with Tesla coil.W	896-1
146894	2-10	Tuckerton	Reports injry to boiler. W To--Noted. 2/18 rD 2 28	
146895	2-9	Tuckerton	Reqt alcohol W To S&A-- Reqt 100 gals be furnished.2/11	
146972	2-11	Austin, Dr. L.W.	Synopsis of reports on trans-Atlantic work with Eilvese. W.	
146981	2-12	Tuckerton	Eilvese; resumed operations. W	
147066	2-12	To Tuckerton.	Reqt weekly reports number of messages sent and number of repeats the work of arc and of the machine be separated. W	
147213	2-12	Washn	Reports on test with Sayville.W	
147380	2/15	Tuckerton	Weekly report.W	
147480	2-16	Fuller, L.F. T	Reqt autority to publish data relative to Tuckerton and Honolulu tests.W To--(T) No objection to. 2/17	
147620	2-17	Tuckerton	Eilvese out of send ng commission.W	
147727	2-19	Tuckerton T	Eilvese in sending commission W	

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Number.	Date.	From or To—	Subject.	
147716	2-19	To S&A.	Reqt shipment of ultraudion bulbs from Wash to Tuckerton. W	
148127	2-23	Tuckerton	Reports on relative work bewteen arc and high frequency machines.W To--States itemized "repsats" for arc and machine be not submitted. 2/27	
148128	2-22	Tuckerton	Weekly report. W	
148244	2-24	Tuckerton	Carbons for 60 kw arc set; reqt.W Fwd S&A--Reqt be supplied by Wash Yd.2/27	
148219	2-17 2-24	Tuckerton Supt Radio	Reqt authority to install steel structure on tower in lieu of wooden mast; will not interfere with sending messages.W To Tuck-- Satis to Du. 3/1	
148433	2-23	Fed Tel Co	Fwds copy of a message from Tuckerton copies at Honolulu.W To-- Ack receipt of. 3/2	
148551	2-27	Tuckerton T	Arc set out of commission for installation 100 kw generator.W	
148712	3-4	Tuckerton	Weekly report. W	
148927	3-4	Tuckerton	Reqt office supplies.W Fwd S&A--Reqt articles be furnished. 3/6	
148966	3-6	Tuckerton T	New 100 KW generator installed 3-3; will ship old generator Mch 10; W	

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Number.	Date.	From or To—	Subject.
144911	1-19	To Tuckerton.	Fwds GE Co print of 100 k.w. motor-generator which will be shipped to to replace present 60 k.w. generator. W
145017	1-19	To M.Is. (R)	In future reports on Tuck schedules distinguish by name between operation or arc and high frequency generator; further observations on commercial schedules desirable. W
145169	1-20	Tuckerton	Fwds inventory. W
145194	1-21	Supt Radio 8080	Recommends permission be granted to place high frequency alternator of the Homag Co out of commission for 5 or 6 days. W. To--Rec permission be granted. 1/23
145488	1-25	Tuckerton T	Nauen will send on 94 NW length starting Jan 26. W
145489	1-25	Tuckerton T	High frequency machine out of commission; require 8 days repairs after receipt of Bakelite. W.
145515	1-25	M.Is T	Reqt information as to time arc is used; cannot distinguish between arc and generator audibility. W Fwd Tuck-- For above. 1/27 To22 Fwd M.Is-- 2/2 To--(R)Gives data on.2/2
145670	1-26	Tuckerton	Reqt supply of kerosene. W. To S&A--Reqt be furnish. 1/28
145671	1-26	Tuckerton 634	Electrose for 60 kw arc set; repairs required.W Fwd NY Via S&A--Repairs auth. 1/28
145672	1-26	Tuckerton	Weekly report.W

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~~CAIMITO:--RADIO~~MERCHANT SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.
145794	1-29	GE T	Generator ready for shipment; asks if motor starter shall be shipped Tuckerton or Arlington. W. To--(T) Ship to Arlington. 1/29
145963	1-29	Tuckerton	Reqt 16 ebony asbestos blocks.W. Fwd S&A-- Reqt be manuf at NY for. 2/3
146085	1-30 2-1	Ducker Co Washn PO	Portable buildings for; reqt letter authorizing furnishing of their standard construction. Fwds specns. W. Fwd NPO Wash-- Satis to Bu. 2/3
146126	2-2	Tuckerton T	Eilverse will not send but can receive.W
146165	2-1	Tuckerton	Weekly report.W
146267	2-3	Tuckerton	Reqt supply of chemcials for boiler water testing outfit. W. Tuckerton reqt be cancelled 2-8. Fwd S&A-- Reqt be furnished 2/8 To--Reqn cancelled. 2/18
146764	2-9	Tuckerton	Eilvese will resume sending Wednesday. W
146801	2-8	Tuckerton Weekly report.W	
146802	2-8	Tuckerton	Reports loan from Western Union Tel Co. of a 26" typewriter; reqt large size carbon paper.W To.NY--Reqt amount of radio material on hand. 2/11 Fwd S&A--Reqt carbon paper be furnish.2/16
146803	2-8	Tuckerton	Reqt battery cells and audion bulbs. W Fwd S&A-- Reqt suplies be furnished. 2/11

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Tuckerton

MERCHANT SHIPS & STATIONS. 1915

Number.	Date.	From or To—	Subject.
143449	12-31	Tuckerton	Reports on trouble with antennae Dec 30; Eilvese has resumed schedule.W
143421	12-23 12-30	Kennedy, C. Supt Radio	Proposal of owners of Tuckerton for returning alternator to Germany for repairs; question of cost to be handled in final settlement.W Fwd Dept--Appvs, aks if Dept could secure safe delivery and return of. 1/5
143482	12-21	Tuckerton	4 audion bulbs received; reqt shipment remaining 8 be expedited.W. Fwd S&A--Reqt be supplied. 1/7
143527	1-2	To Tuckerton.	Report of receiving conditions; reqt for Bu Standards;also number of messages rec'd and set Eilvese since taken over by Government. W Tuckerton gives number 1-5
143524	1-2	Tuckerton	Eilvese schedule. W
143625	1-2	Tuckerton	ditto
143303	12-28	Supt Radio	Marconi radio station Astoria, Oregon is within prohibited distance North Head. recommends be allowed to remain.W Retd-- Comments. 1/6
143733	1-4	Tuckerton	Weekly report. W
143793	1-5	Tuckerton 50	Reqt 50 220 volt carbon lamps.W. Fwd S&A-- Req be supplied. 1/7
143890	1-7	Tuckerton	Reqt boiler compound. M To--Have reqtd shipment of. 1/8 To S&A-- Reqt shipment. 1/8

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MERCHANT SHIPS & STATIONS 891

Number.	Date.	From or To—	Subject.
143942	1-5	Tuckerton	Reqt underwood revolving duplicator.W Fwd Radio Ser--For recommendation. 1/9 To--Have reqtd shipment of supplies.1/21 To S&A-- Reqt for shipment. 1/21
143899	12-31	M.Is	Reports on Tuckerton. W
144048	1-7	Tuckerton	Reqt paint.W To S&A-- Reqt be furnished. 1/9
144011	1-8	Tuckerton	Fwds form of transmitting log sheet and reqt Bureau have same printed. W. Tuckerton 2/16--reqt action.
143959	1-8	To S&A	Reqt Tuckerton be furnished with nuts and taps from Phila Yd. W
144167	1-8	Tuckerton	States Federal san francisco signals are so strong as to interfere with Eilvese test.W
144273	1-4	M.Is	States commercial schedule between Tuckerton and San Diego, and Tuckerton and San Francisco, entirely practicable.W Fwd Radio Ser-- 1/14
144361	1-5	Fed Tel Co	Detailed report on test Couth City honolulu.W
144442	1-12	Tuckerton	Weekly report.W
144538	1-13	Tuckerton	Reqt stationery. W Fwd S&A-- Reqt supplies be furnished.1/15
144761	1-16	Tuckerton	Eilvese schedule; reports on.W
144948	1-18	Tuckerton	Weekly report. W

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Tuckerton

MERCHANT SHIPS & STATIONS.

Number.	Date.	From or To—	Subject.	
143016	12-24	Tuckerton	Honolulu test; daily report.W	
142998	12-23	Tuckerton Daily report.W.		
143085	12-24	Tuckerton	Eilvese; schedule. W	
143090	12-21	M.Is	Fwds copy of Tuckerton message copied.W.	
143093	12-19	M.Is	Tuckerton-Honolulu tests; reports stations results W	
143105	12-19	M.Is	Fwds c py of message received from Tuckerton via San Diego. W.	
143106	12-19	M.Is	Tuckerton-Honolulu tests; fwds reports.W	
143187	12-27	Tuckerton	Magnet spools; explains request for.W To--Instructions. 12/31	
143222	12-22	Tuckerton	Fwds print for G.H.Clark.W	
143291	12-28	Tuckerton	Daily report.W	
143330	12-30	Tuckerton T	Eilvese; have not transmitted since Dec 28	Y

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Number.	Date.	From or To—	Subject.
143256	12-29	To M.Is. (T)	Tuckerton-Honolulu tests discontinued until further notice; inform Federal Co.W To Tuckerton--Discontinue tests. 12/29 To Colon--(R) Discontinue test. 12/29
143366	12-29	Tuckerton	Honolulu; daily report.W
143367	12-29	Tuckerton	Reportswater at station poor for boiler purposes; calls attention to corrosion arc.W. Fwd Rad Ser--For recommendations. 1/2 To-- 1/2
143368	12-29	Tuckerton	Reqt copper tube for arc set.W. Fwd S&A-- Rect material be supplied 1/2 Fed Co (R) gives understanding 1-19
143339	12-30	Fed Tel Co	Reports on Honolulu-South City tests; reqt action on drawing 30 kw sets be expedited.W. To--(R) Sketch mailed today;prefer manuf own type wave change switch;wire reduction in bid for omission that item. 1/4 To-(R)Will rec acceptance with omissions.1/8 To--(R)Substituion GE transfer switch for Westinghouse satis.1/14
143380	12-23	M.Is	Reports on results.W.
143385	12-29	Tuckerton	Weekly report.W
143334	12-30	To Fed Tel Co.	Comments on performances of arc and high frequency generator of Tuckerton-Honolulu tests. W To Tuckerton--Gives performance of tests with Ellvese. 12/30 To--Gives memo re tests refd to above.1/6 To Tuckerton-- Ditto. 1/6
143389	12-30	To M.Is. (R)	Desire Point Loma take audibility on machine and arc at Tuck during commercial transmission to Ellvese; also Arlington.W

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Number.	Date.	From or To—	Subject.	
142297	12-15	Tuckerton	Honolulu daylight tests.W	
142321	12-17	Fed Tel Co.	Reports on honolulu tests. W	
142363	12-16	Tuckerton	Honolulu; daily report. W	
142314	12-17	To Colon. (R)	Gives change in Honolulu-Tuckerton signals. W	
142388	12-15	Tuckerton	Fwds photos made by G.H.Clark for use in his report.W To-- Ack receipt of. 12/19	
142441	12-17	Tuckerton	Honolulu; daily test.W	
142517	12-19	Tuckerton (Hepburn) (T)	Will listen South City 2:00 AM to-night.W To Fed Tel Co--(T) Gives schedule.12/19	
142521	12-20	Tuckerton	Quotes request fromFed Co. at San Francisco requesting official business be conducted between stations.W To--(R) Now considering. 12/22 To Fed Tel Co--(T)Ditto. 12/22	
142524	12-17	Tuckerton	Fwds phots from Clark.W	
142595	12-21	Tuckerton T	No test with Eilverse Sunday probably nor Monday.W	

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MERCHANT SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.	
142603	12-18	Tuckerton	Honolulu: daily report.W	
142666	12-19	Tuckerton	Honolyly: ditto	
142726	12-22	Tuckerton T	Reqt permission to cancel all tests for Dec 25 and 26, 31th ant Jan 1. W To-- Cancells. 12/22 To Fed Co--(T) Notifies of cancellation.12/22	
142761	12-21	Tuckerton	Weekly report.W	
142754	12-21	Tuckerton	Fwds list showing shipment of relays and 30 kw arc set to Washn.W	
142782	12-23	Fed Tel	Repots on result of Honolulu-South City test.W	
142879	12-22	Tuckerton	Daily report.W.	
142902	12-21	Tuckerton	Dily report.W	
142914	12-24	Tuckerton T	Reqt magneto spools for 60 kw set. W. To--(T)Now under manuf at Phila. 12/26 To Phila--Expedite manuf. 12/26	
142912	12-24	Tuckerton T	Proposed new Eilverse schedules. W	
142956	12-24	Tuckerton T	Reports power to be used Honolulu Dec 24. W	
142909	12-24	To Tuckerton.	Have reqt shipment to Wash of relay key which is to be remodeled. W To S&A-- Reqt shipment. 12/23	

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Tuckerton

MERCHANT SHIPS & STATIONS.

Number.	Date.	From or To—	Subject.	
141901	12-12	Tuckerton T	Honolulu test; will not carry out to-day; gives suggestions for Monday. W To Fed Tel Co--Gives schedule· 12/14 To M.Is-- Gives schedule· 12/14	
141892	12-11	Tuckerton T	Gives Eilverse and Mauen schedules for Dec 12. W	
141917	12-12	Tuckerton T	Eilverse; ~~s;ee~~- schedule commences 4:PM Monday instead of 2 PM. To--(T) Carry out as suggested· 12/14	
141898	12-11	To Tuckerton. T	Desire run Honolulu schedule at 10,000 meters on arc; begin when ready. W	
141947	12-11	Tuckerton	Reqt rubber stamp.W. Fwd S&A-- Reqt samp be furnished· 12/19	
141949	12-11	Tuckerton	Honolulu; daily report.W.	
142094	12-12	RTuckerton	Reqt authority to modify coupling for commercial receiving.W. To--Authorizes. 12/17	
142095	12-12	Tuckerton	Recommends 60 kw motor generator be left at station until replace of 100 kw set intended for Arlington.W.	
141913	12-12	To Tuckerton.	Tests with Eilvese; reqt certain data be fwd with daily report· W	

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MERCHANT SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.
142092	12-12	Tuckerton	Reqt supplies. W Fwd S&A--Reqt be supplied. 12/19
142141	12-15	To Tuckerton. (T)	Maintain maximum radiation on both arc and machine Tuck-Honolulu schedule. W
142148	12-15	To Tuckerton.	Reqt recommendation re shipment of material no longer need at station to Wash Yd. W Tuckerton material requested no longer required except Leyden jars 12-18 Tuckerton fwds shipping list 12-22
142155	12-14	Tuckerton	Weekly report. W.
142150	12-16	Fed Tel Co T	Reports on Honolulu San Francisco test
142198	12-14	Tuckerton	Honolulu; daily report. W To--Instructions. 12/16
142252	12-15	NY To S&A-- For shipment. 12/22 Fwd S&A-1/5 Tuckerton gives necessity 12-30	Fwds tequest from Censor at for protable receiving set. W. Fwd NY--Authorizes issue of. 12/22 To -- Have reqtd shipment of. 12/22 Fwd NY-1/11
142273	12-17	Fed Tel Co. T	Reports on results of Honolulu-San Fran test.W
142274	12-16	Tuckerton T	Gives mount of power used on Honolulu tes.W
142289	12-11	Fed Tel Co.	Summarizes Tuckerton-Honolulu daylight tests. W

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MERCHANT SHIPS AND STATIONS. 1914

Number.	Date.	From or To—	Subject.
141161	12/3	Tuckerton	Reqt spare magnet spools for 60 kw arc transmitter.W
	To--Will	manuf at Phila. 12/24	Fwd Phila--For restimate on. 12/7 Fwd Phila-- Appvs estimates. 12/16
141162	12/2	Tuckerton	Reqt an audion bulb.W Fwd S&A--Reqt NY be directed forfurnish.12/8
141164	12/2	Tuckerton	Honolulu tests; daily report.W
141091	12/3	Tuckerton (T)	Gives radiation.W
140774	11-24	Fed Tel Co.	Honolulu; daylight test; detailed report.W.
141203	12-3	Tuckerton	60 kw arc set; reports alterations rear door od arc chamber; blew out during carrying out of Honolulu schedule.W
	To NY--Fwds	copies of corres.1/20	To Fed Tel Co--Quotes comments of Tuck in regard to modi of arc apparatus. 1/19 To M.Is--Fwds copy above fo comment.1/20
141204	12-3	Tuckerton	Daily report. W
141323	12-4	Tuckerton	Honolulu; daily report.W.
141304	12-5	Tuckerton T	Gives power used; test delayed due to burning out copper electrodes.W
141490	12-1	Fed Tel Co	Honolulu; dayoight test:.W.

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MERCHANT SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.	
141525	12-8	Tuckerton	Weekly report.W.	
141503	12-8	Tuckerton T	Honolulu schedule; power for; also reqt shipment asbestos rope. W To S&A-- Reqt be furnished. 12/9	
141321	12-4	Tuckerton	Fwds draft of operators check sheet; reqt form be printed	610
141682	12-8	Tuckerton	Reqt insulating tape and typewriter ribbon. W Fwd S&A--Reqt be supplied. 12/12 rb 12 20 Fwd S&A--Noted. 12/29 rb 1 3	
141683	12-8	Tuckerton	Honolulu; daylight test. W	
141630	12-8	To Tuckerton.	Schedules with Nauen & Eilvese; reqt Bu be informed of any changes in. W Tuckerton gives data 12-8	
141817	12-9	Tuckerton	Honolulu; daily report. W	
141785	12-11	Fed Tel Co T	Reports on results; satis. W.	
141186	12-4	Tuckerton T	Gives radiation.W	
141635	12-9	To Tuckerton.	Relay keys and motor-generators; have reqtd shipment to Wash; gives instructions.W To S&A-- Reqt shipment. 12/9 To-- Re shipment of. 2/13	
141887	12-10	Tuckerton	Honolulu; daily report.W	
141801	12-29	To S&A	Fwds bills for truck hire & drayage; payment recommended R Fwd Tuckerton - 1/13 Fwd Rad Ser- For comment. 1/20 rb 1 22	
		Fwd Gyes x -2/1/23 rb 2 1 Fwd S&A--2/3		

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MERCHANT SHIPS AND STATIONS. 1914

Number.	Date.	From or To—	Subject.	
140627	11/27	Tuckerton T	Honolulu; gives power used on test.W	
140634	11/2 5	Tuckerton	Reqt alcohol.W Fwd Phila--Reqt 100 gals be furnished.11/28	Feb 12 8
140635	11/25	Tuckerton	Reports shipment of modified relay key to Washington, by express.W	
140637	11/25	Tuckerton	Weekly report .W	
140639	11/26	Tuckerton	Honolulu; daily report.W	
140592	11-27	To Tuckerton. (T)	Gives radio laboratory reports Wednesday test. W	
140640	11/28	Tuckerton T	Honolulu schedule; gives power used; ack receipt of telegram discontinuing Sunday schedule.W	
140708	11-27	Tuckerton T	Daily schedule; Honolulu.W	
140760	11/30	Tuckerton T	Honolulu schedule, gives data; machine period incomplete account relay trouble; reqt rush kerosene.W To S&A-- Reqt shipment of kerosene. 12/1	
140789	11-30	Tuckerton	Reqt supplies.W Fwd S&A-- 12/3	Feb 12 22
140790	11-30	Tuckerton	Weekly report.W	
140804	11-28	Tuckerton	Honolulu; daily report.W	

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Number.	Date.	From or To—	Subject.
140847	12/1	Tuckerton (T)	Gives radiation used in test.W
140851	12/1	Fed Tel Co T	Tuckerton signals; reports on South City and Honolulu.W
140855	11/30	Tuckerton	Honolulu tests; daily report.W
140863	11/30	Tuckerton	Requests supplies .W
140844	12-1	To Tickerton. (T)	Has Eilvese begun transmitting? What schedules. W
140993	12/1	Tuckerton	Honolulu tests; daily report.W
140972	12/2	Tuckerton T	Gives radiation.W
141021	12/1	Tuckerton	Reqt arc set rapairs and spares.W Fwd NY Via S&A--Authorizes manuf of. 12/8 5036
140849	12-1	To Colon. (R)	Directs daily report on Tuckerton-Honolulu tests; directs Darien to listen. W
140856	12-2	To Fed Tel Co.	Gives summary of Tuckerton-Honolulu tests from Nov.18th to 25th. To Tuckerton-- Fwds copy above. 12/2
141153	12/1	Tuckerton	Reports on quarters for enlisted force.W Fwd S&A--Reqt cots be furnished. 12/10
141801	12-9	Tuckerton	Fwds bill for truck hire.W

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Number.	Date.	From or To—	Subject.
140187	11-16	Fed Tel Co.	Fwds copies of messages copied at Honolulu sent out from Tuckerton.W
140173	11-22	Tuckerton	Honolulu schedule.W
140210	11-28	Tuckerton	Honolulu tests; daily report.W
140267	11-17	Fed Tel Co.	South City and Honolulu tests; summerizes States Darien is receiving South City messages.W
140299	11-23	Tuckerton T	Honolulu schedule; rect difference in time Honolulu and Washington.W.
140300	11-23	Fed Tel Co. T	Reports on Tuckerton, South City, and Honolulu tests.W.
140310	11-22	Tuckerton	Daily test Honolulu. W
140311	11-21	Tuckerton	ditto
140370	11-24	Tuckerton T	Honolulu schedule; gives amperes used. W
140429	11-23	Tuckerton	Honolulu; daily report.W

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MERCHANT HIPS & STATIONS 891

Number.	Date.	From or To—	Subject.
140471	11-19	Fed Tel Co.	Honolulu daylight test; reports.W
140499	11-26	Tuckerton	Gives power used on Honolulu Test. W.
140447	11-24	Tuckerton T	Honolulu schedule. W To Fed Tel Co--(T)Will prepare weekly summary Honolulu Tuckerton tests. 11/27
140451	11-25	Fed Tel Co. T	Reports on Honolulu, South City and Tuckerton.W
140544	11-24	Tyckerton	Electrose insulators; fwds reqt for; and sample.W Fwd NY Via S&A-- 12/1rb15
140503	11-24	Tuckerton	Honolulu; daily report. W.
140517	11-25	Tuckerton	Honolulu; daily report.W To--(T) Discontinue Honolulu schedules on Sundays. 11/28
1030,Norf VOID	11-11 11-24	Brook Brook	Nuts shipped without inspection.S
118,Ports VOID	11-24	Ports	HANNIBAL; boil r tubes; reqt inspection be expedited. S
141455	12-5	Tuckerton	Honolulu; daily report.W

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Number.	Date.	From or To—	Subject.
139204	11-10	Fed Tel Co T	Reports results of Tuckerton test.W To Tuckerton-- Quotes above tel. 11/11
139236	11-9	Tuckerton	Weekly report.W
139237	11-9	Tuckerton	60kw motor generator at station will answer all requirements; 100 kw set not required.W
139363	11/5 11/10	NY S&A	Relative to high frequency indicator for Tuckerton.W Fwd S&A-- 11/13
139292	11-11	To Tuckerton. (T)	No objection test electrostatic coupling in Mayers presence; not to be used for commercial work; Austin will fwd description. 11/11
139292	11-11	Tuckerton T	Asks if permissible to test Cohen coupling in presehte of Mayer.
139415	11-1	Tuckerton	Reqt supplies of carbon electrode.D
139422	11-12	Tuckerton	Reqt supply of copper wire.W Fwd S&A-- 11/13
139643	11-13	Tuckerton	Reqt supplies, canvas, etc.W Fwd Phila 11-18

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Number.	Date.	From or To—	Subject.
139671	11-14	To Fed Tel Co. (T)	Quote price and earliest delivery 1000 carbons for 30 kilowatt arc set. W Co can ship quotes price 11-18(T) Fwd S&A-- 11/21
139713	11-7	Tuckerton T To Fed Co--11/20 (T) To Tuckerton (T) 11/20	Reports on operation of alternator and arc; suggests schedule. W. To Fed Tel Co. (T) Gives schedule· 11/17 To -- (T) Proceed with test as suggested.11/17 Tuckerton detailed 11-18
139822	11-17	Tuckerton	Intend using HF alternator one period.W
139861	11-16	Tuckerton	Reqt kerosene. W Fwd Phila--directs furnish 11/19 rb 12 8
139924	11-18	Fed Tel Co. T	Reports satis test with Tuckerton; reqt amount of current used. W To--11/19 11/20 (T)
140046	11-19	Fed Tel Co. T	Reports good signals received at South City; suggest using longest waves for Honolulu.W. To-T- 11/20
140121	11-19	Tuckerton	Honolulu test daily report. W
140118	11-19	Tuckerton	Weekly report.W
140094	11-20 To Tuckerton--11/21	Fed Tel Co T	Proposed change Tuckerton inconvenient.W To--(T) Will test as heretofore. 11/21
140093	11-20	Tuckerton R	Honolulu test; impossible to tune alternator for longher wave length.W To-- (T)Continue schedule. 11/21
140170	11-21	Tuckerton T	Test with Honolulu late starting; gives radiation.W

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Number.	Date.	From or To—	Subject.
138687	11-4	Fed Tel Co T	Reqt Nauen and Eliverse schedules; reports that South City, ships Yale and Harvard, Honolulu, etc are receiving signals from.W To Tuckerton-- For rec as to schedule. 11/5 To-- (T) Gives schedules. 11/5
138730	11-3	Tuckerton	Fwfs bill for alcohol purchased to meet emergency.W Retd-- For certifications. 11/9
138736	11-3	Tuckerton	Fwds bill for hauling, etc.W Retd-- For certification. 11/9
138775	11-5	Tuckerton T	Reqt shipment of 50 carbon lamps.L To S&A-- Reqt shipment from NY. 11/6
138894	11-5	GE Co.	100 kw motor generator; submits outline print.W To Radio-- Fwds print. 11/7
138944	11/7	Tuckerton T	Reqt Honolulu schedule be postponed on account installation high frequency alternator now in Tuckerton.W
138848	11-6	Tuckerton T	Suggestions for schedule Honolulu Nov 9; Reqt full comment on signals to Nauen, etc W To Fed Tel Co-- (T)Gives data Honolulu test. 11/6
138899	11-5	Tuckerton	Reqt supplies.

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Number.	Date.	From or To—	Subject.	
138901	11-5	Tuckerton	Asks what disposition will be made of 60 arc set after installation of high frequency alternator; Mr. Mayer reqt that set be retained at station for use with high frequency alternator. To-- Instructions. 11/7	
138904	11-5	Tuckerton	Reqt arrgt be made with Mr Mayer to pay transportation charges out of current revenue. W. Fwd Dept Via Radio Ser--Satisfactory if legally allowable. 11/9 RB 11 18 appd Fwd Tuckerton 11/19	
138991	11-6	Tuckerton	Propose to install 60kw motor generator; also reqt decision re use of 60 kw set with new alternator. W	
138992	11-6	Tuckerton	Relativeto test with Honolulu.W.	
138993	11-6	Tuckerton	Reqt supplies.W. (T) reqt action 11-11 Fwd S&A-- Reqt shipment be expedited. 11/10 To Phila-- (R) Have you Cal red wood in stock for manuf slabs. 11/10 Phila (R) yes. 11/11 To Phila--Reqt 50 bushings be manuf. 11/12 To S&A-- Reqt shipment. 11/12	
138994	11-6	Tuckerton	Reqt red wood bushings for 60 kw set.W To Fed Tel Co-- (T) Honolulu test posponed. 11/7 TO -- will be sup from Phila 11-18	
139079	11-4	Federal Tel Co.	Submits reports on hearing station by YALE and HARVARD lying in San Pedro. W Fwd Tuckerton-- For its information.11/11 rb 11 14 To-- Acknowledges receipt. 11/11	
139114	11-7	Tuckerton 195	Submits list of laboe and material furnished by Mr. Mayer during time of installing 30 and 60 kw sets. W. Fwd Dept Via Radio Ser--11/12	
139115	11-8	Tuckerton	Statement of running expenses paid by company Sept 9 to 30.W Fwd Radio Ser-- 11/12	

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MERCHANT SHIPS AND STATIONS: 1914

Number.	Date.	From or To—	Subject.
137930	10-26	To L.F.Fuller. (T)	Procedure in sending Tuckerton bills NPO Wash is satisfactory; will endeavor expedite payment' W
138037	1 -28	Tuckerton T	Reqt spare magnet tips; arc broke down. W To Wash-- Reqt manufacture of. 10:28 To-- (T) Where can tipe be obtained' 10/28 To Phila-- (T) Repair coil fwd from Phila.10/28 To S&A--Reqt shipment from ash to .10/28
138066	10-26	Tuckerton	Will prepare spare relay for shipment but will hold further advice.W
138022	10-27	To S&A	Reqt shipment from Wash to Tuckerton "Every Ready" dry cell battery.
138103	10-28	Tuckerton T	Reqt spare magnet tips be mfg at Washn Yd. W
138148	10-27	Tuckerton	Weekly report; Nauen copied every day with fair success.W
138245	10-28	Tuckerton	Reports steps taken to prevent overheating of magnet coils. W
138234	10-29	Tuckerton	Believes relay key question settles; recommends key to be shipped to Arlington be modified before shipped; lists material required. W To--Have reqtd shipment from NY to.Tuckerton. 11/2 To NY Via S&A-- Reqt shipment. 11/2

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Number.	Date.	From or To—	Subject.	
138236	10-26	Mayer, E.E.	Reqt to be furnished with copy of Mr. Clark's report on tests made at station. W To-- Formal report not yet rec'd. 11/3 To Tucker--Fwds copy above letter. 11/3	
138477	10-30 Fwd S&A-- 11/30	Tuckerton	Reqt thermometers, stationery, bulb for audion detector. W To--Have reqtd shipment of. 11/3 To Wash Via S&A--Reqt shipment to. 11/3 To NY Via S&A-- Reqt shipment. 11/3	
138522	11-2	Tuckerton T	Clark making extra copy report; recom Officer in charge use own discretion re examining files; reqt asbestos, copper wire, brass nuts, etc. W To S&A-- Reqt for shipment of material from NY to. 11/4	
138526	11-2	Tuckerton T	High frequency alternator arrived NY absence consular invoice, and delay reqt Dispatch Agent be instructed to arrange shipment. W Fwd S&A-- For action. 11/3 To-- (T) U.S.Despatch Agent reqtd. 11/3 S&A will be shipped by exp 11-4	
138545	11-2	Tuckerton	Reports for week ending Oct 31. W.	
138537	10-29 10-31	Tuckerton S&A	Vouchers covering set delivered by Fed Tel Co. WK Fwd S&A-- Recmns payment be made. 11/4	
138528	11-2	Fed Tel Co. T	Tuckerton; asks schedule. W To-- (T) Transmits every night 6 p.m. until 1 a.m. Wash time. 11/3	
138525	11-2	To Tuckerton.	Permission for Dr. Louis Cohen to visit Tuckerton; Bu desires to grant this request provided Mr. Mayer has no ojection. W Tuckerton 11/2--would be objectionable to Mr. Mayer. W	

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MERCHANT SHIPS AND STATIONS. 1914

Number.	Date.	From or To—	Subject.
137109	10-16	To Tuckerton (T)	Gives resulsts of test; discontinue Arlington schedule at discretion. W
137248	10-16	Tuckerton	Reports arrival of Federal Company arc set; proposed manner of insta ling operating platforms, etc. W
137322	10-19	M.Is T	Tuckerton signals not heard since 13th. asks if schedule still in force.W. To-- (T) Discontinued 14th pending installation larget set. 10/19
137361	10-17	Tuckerton	States first shipment reported as received not complete; balance received Oct 17. W
137425	10-20	Westinghouse E&M Co.	Bu reqn 36; reqt interpretation of spares required for motor field.W
137567	10-19	Tuckerton	Submits weekly report. W
137569	10-20	Tuckerton	Reqt asbestos rope for packing arc chamber.W Fwd S&A--For compliance 10/23
137736	10-23 To--(T) 10/26	Tuckerton T	Outlines test to be arranged with Bu Standards for Saturday afternoon.W To-- (T) Test today unsatisfactory.10/24 To-- (T) Test arranged as reqtd. 10/24
137770	10-22	Tuckerton	Fwds bill for hauling Federal Co. apparatus from Station.W Fwd S&A-- Reqt payment be made. 10/27

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Number.	Date.	From or To—	Subject.	
137794	10-24	Tuckerton T	Reqt cable be sent to radio station near Hanover to listen in Monday night W. To Dept-- Reqt cable be sent 10/24 FD 10 28	
137819	10-25	Tuckerton T	Relative to test of grounded towers.W	
137848	10-24	Tuckerton T	Reqt transmorfer oil; are not using 60 kw set for maintaining schedule at Nauen and Eilverse.W Fwd S&A-- For compliance. 10/26	
137887	10-15 10-19	Fed Tel Co. M.Is	Fwds report from station San Fran catching Tuckerton. W	
137817	10-24	To Tuckerton.	Asks if relay key for 30-k-w arc set can be spare; desire to have shipped to Arlington. W Tuckerton (T) one relay key under repairs; other required at station 10-26 To S&A-- Reqt shipment of. 10/27	
137933	10-22	Tuckerton T	Will send Elivese schedule Monday night. W	
138009	10-27	Fed Tel Co T	Tuckerton; asks if open for commercial business. W	
137926	10-26	To Tuckerton.	Payment for apparatus delivered under S.E. reqn #34/1915; reqt report when payment is in order W. 10/25 Tuckerton payment for Fed Co set satis except relay key 10-24	

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Number.	Date.	From or To—	Subject.
136488	10-1 10-7 10-9	Fed Tel Co. Supt Radio Dept	Relative to establishing commercial stations in Philippines in connection with establishing communication with China and East; Reqt recommendations for their apparatus with which to solicit business from firms on Pacific Coast.W Fwd Dept-- Comments. 10/12
136452	10-9	To Tuckerton. (CONT 269)	Fwds bill for arc material; reqt statement from Clark as to whether payment is in order W Tuckerton fwds B/L, lit etc covering delivery 10-17 Fwd Wash Yrd-- 10/21 Fb 11 12
136456	10-9	To Tuckerton. (T)	Call Arlington one thirty pm saturday and make arrangement by radio for regular schedules. W
136587	10-9	Key West	Tuckerton; no signals received.W
136577	10-10	Tuckerton	Received word from Eilverse stations received signals.W
136686	10-12	Tuckerton T	Reqt test signals be arrgd with Arlington and Bureau Standards.W
136788	10-13	Tuckerton R	Reqt supplies.W Fwd S&A-- For compliance. 10/13
136837	10-12	Tuckerton	Weekly report of operations; particularly on results obtained thru use of Federal Tel Co receiver in communicating with Eilverse and Nauen. W

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Number.	Date.	From or To—	Subject.
136903	10-14	M. Is T	Reqt use 7,000 meter wave length on next test. W
136904	10-14	Tuckerton T	Suggested arrgt for test with Bu Standards; reports results. W
136915	10-15	Tuckerton	Eilverse sending schedule discontinued; reqt authority to discontinue Arlington; change time of receiving from Eilverse to 3:00 PM. W
136927	10-14	To Tuckerton.	Notifies of proposed visit of chief engineer of Federal Tel Co to Tuckerton; inform Bu as to whether there are any objections to said vist by commercial company's representative. W Tuckerton Mr Mayer has agrreed 10-16
136977	10-10	Tuckerton	Submits list of supplies required. W Fwd NY-- Reqt furnish. 10/16 rb 10 22 Fwd-- For information. 10/24 rb 10 22
137049	10-15	Tuckerton	Proposed test with Bu standards. W
137106	10-16	Tuckerton, T	Mayer objects to Fuller visit; suggests consultation at Tuckerton; Bu Standard tests cancelled. W
137104	10-15	Fed Tel Co.	Suggestions to aid installing their apparatus at. W. To Tuckerton-- Fwds copy above. 10/16 rb 10 20

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MERCHANT SHIPS & STATIONS. 1914

Number.	Date.	From or To—	Subject.
136058	10-5	Tuckerton T	Hill ordered to NY with relay key; req Commandant be instructed to do necessary work; unable to carry out schedule.W To NY-- (R) Reqt Hill be afforded labor and material reqt by him. 10/6
136049	10-5	To Dept.	Reqt authority to purchase from Federal Tel Co apparatus for Tuckerton. W To Tuckerton-- (T) Negotiations in progress toward purchase larger set. 10/5 To Fed T Co-- (T) Reqt quotation for purchase of apparatus. 10/5 To Fed Co-- (T) Have reqt acceptance. 10/7 To S&A-- Req order be placed for above. 10/7
136147	10-7	Tuckerton T	Report ofn efforts to maintan schedule; suggestions for further schedule. W To-- Instructions. 10/7
136199	10-1	Clark, G.H. T	Tuckerton; reports on status of repairs.W
136252	10-5 10-6	Fed Tel Co. T Fed Tel Co (Letter)	Quotes price and description of apparatus proposed; reqt payment $15,000 on delivery. W To-- Quotes above corres. 10/7 Clark reports on 10-8
136183	10-6	To S&A	Reqt shipment of ~~repair~~ relay keys purchased from Wireless Specialty Apparatus Co under Bu reqn 46 from Wash to Tuckerton. W
136263	10-7	Fed Tel Co T	Reports results of test with Tuckerton and South City.W. To-- (T) Acknowledges. 10/8 To Tuckerton-- Results of test.(T) 10/8 To M.Is--m(T) Gives time of Tuckerton tests. 10/10

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MERCHANT SHIPS & STATIONS. 891

Number.	Date.	From or To—	Subject.	
136264	10-7	Fed Tel Co.	Tuckerton: set boxed ready for turning over to express company Palo Palo Oct 9; reach Tuckerton Oct 15. W	
136261	10-7	M.Is	Tuckerton: test; reports results. W	
136253	10-7	Tuckerton T	Radiation 1;130 Pa; test 78.W	
136353	10-8	Tuckerton T	Reqt cable be sent to German station near Hanover to listen for signals.W. To Dept-- Submits cable to be sent· 10/9 RB 10 14	
136356	10-8	Key West	Unable to hear Tuckerton. W	
136386	10-7	Tuckerton	Reqt stationery, stamps,etc.W Fwd S&A-- Reqt be furnished· 10/12	
136388	10-7	Tuckerton	Re payment of E.E.Mayer, manager for labor, material,etc. W Fwd Dept-- Comments. 10/9	
136456	10-9	Tuckerton	Suggested new shcedule on account of experimantal work. W	
136480	10-10	Fed Tel Co. T	Fuller due NY Oct 12. W	
136518	10-8	Tuckerton	Reports on status of Experimental work undertaken by Mr. Clark,etc. in connection with proposed test schedule . W	

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MERCHANT SHIPS AND STATIONS. 1914

Number.	Date.	From or To—	Subject.	
135339	9-26	To NY	Req shipment of certain radio material to Tuckerton. To S&A-- Req shipment from NY to Tuckerton. 9/26 To Gygax-- Informs certain will be shipped, inform Bu when rec'd in order that Radio Aids may be directed to proceed. 9/26 Fwd NY-- 10/10 Tuckerton fwds bill for express charges 10-13 Fwd S&A-- Rec payment. 10/19	
	9-28		Arc set arrived and delivered except generator; delay latter due to no truck.W	
135563	9-29	Geo H Clark T	Tuckerton: loading coils at Annapolis not large enough; recommends shipment from NY.W	
135530	9-29	To Nav Acad. (T)	Direct Clark proceed Tuckerton immediately. To NY-- (T) Direct Hill proceed Tuck immediately. Expedite shipment material ordered. 9/29	
135699	10-1	Gygax, Lt T (Tuckerton)	Reqt 200' copper wire be rushed to. W	
135714	10-1	Gygax, F. T (Tuckerton)	Reqt 10 gals grain alcohol be rushed to. W To S&A-- Req for shipment from NY to: 10/1	
135732	10-1	To S&A	Req shipment of 200 feet copper wire from NY to Tuckerton. W	
135909	10-3	Gygax T (Tuckerton)	Reports electrodes burning rapidly; reqt rush shipment of misc articles; new system workingly well; expect to make official report by the 5th. To S&A-- Reqt shipment radio material. 10/3 To Nash-- Reqt manuf and shipment of radio material to. 10/3 To-- Reqt report. 10/3	

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Number.	Date.	From or To—	Subject.	
135943	10-3	Gygax T (Tuckerton	Unable to maintain 110 amperes on account of heating of magnets.W	
135944	10-4	Gygax T (Tuckerton)	Poppet valve leakingW.	
135945	10-4	Gygax T (Tuckerton)	Relay key failed; unable to carry out schedule. W	
136033	10-4	Tuckerton, T	Can maintain 100 amperes for 15 minutes out of every hour; expert states 110 required for communication; impossible to handle continuous schedule with present apparatus.W	
136036	10-5	Tuckerton T	Gives proposed schedule for to-night; reqt schedule be arranged by Bureau not to interfere with receiving schedule morning until noon.W. To Colon-M.Is-San Diego-Key West-Federal T Co--- (T) Notifies of test to be held. 10/5 To-- Gives time tests to be held. 10/5 (W)	
136037	10-5	Tuckerton, T	Reqt insulating material from NY to repair relay key.W Fwd S&A-- Req shipping instructions' 10/5 rb 10 7	
135927	10-3	To Tuckerton.	Reqt weekly reports on operation of Station. W	
136056	10-5	Federal Tel Co. T (Tuckerton)	Quotations and specns for 60 kw set sent to Beach Thomson; will listen in for. W	

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MERCHANT SHIPS AND STATIONS.

Number.	Date.	From or To—	Subject.	
123166	4/13	Fed Tel Co	Writes relative to establishment of a high-powered radio station on Guam and in the Philippines	813
123856	4/22	Fed Tel Co	Guam & Philippines, sites for merchant stations; requests cooperation of Navy Dept in securing permits	813
123962	4/28	Fed Tel Co	San Diego and El Paso; offers to lease or sell their station at El Paso, Texas	830
125081	5/18	Supt.Radio.	Instructions for the calling of merchant vessels.W	
125469	5/21	NY	Fwds report of inspection of the Goldschmidt radio station at Tuckerton, N.J. W	
125435	5/21	To E. E. Meyer	Please furnish Bureau with schedule and wave lengths transmitted by the Tuckerton radio station, that Bureau may make observations on their signals	903
125601	? 5/23	NY R Dept.	Request orders for Sub Inspr Guy Hill to accompany Lt.Comdr Hepburn on inspection trip to Marconi Co's high power station elman and Brunswick, N.J., and Goldschmidt station, Tuckerton,N.J. W	
132274	8-10	N.Y.	European War- reports on Wanamaker's Marconi Sta. and German Sta. at Sayville	787
133929	8-31	Phila.	Tuckerton, N.J. - re telehponic com.	902

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Number.	Date.	From or To—	Subject.	
133956	9-8	TO Gygax, Tuckerton Sta & S&A	Is shipping Audion amplifier, audion detector, condensers, and Baldwin receivers; directs methods of operation be given only to persons in Naval Service. rb 9 12 From S&A To S&A-- Req shipmnet of material to Tuckerton. 9/11 Gygax reqt be expedited 9-14 Fwd S&A-- Req Baldwin head sets be shipped from Wash yard. 9/12 To S&A-- Req shipment of mess gear. 9/14 To-- Balwin phones will be shipped from Wash. (R) 9/14	
134485	9-15	To Gygax.	Fwds copies NSE form 25-A and req same be filled out showing description of Radio installation.	
135171	9/24	Dept 26283-779	Record of proceedings of a court of inquiry which inquired into the circumstances connected with the accident to the machinery of the radio station at Tuckerton, N. J., 9/16.C To-- Recms findings of Court be appvd; Bu can install a 30-kilowatt Arc Set now on hand at Tuckerton, if so directed. 9/24 rb 9 26 To S&A-- Directs shipment from Arlington to Tuckerton. 9/26	
135175	9-24	To Insp. GE Co. (T)	Inform Bu possibility obtaining immediately by purchase or rental one 500 volt 100 kilowatt direct generator, etc. W	
135253	9-25	Insp GE (T)	Quotes price for rental of generator; sale preferred. To-- Will probably obviate necessity of purchase; another machine available. 9/26 GE further 9-25	

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Number.	Date.	From or To—	Subject.	
86030	12-23	Norf	Marconi Sta at Norf abandoned; Virginia Beach handling business.W.	
			1913	
89112	1/31	United Fruit Co.	Writes 4-page letter re erecting wireless station at Colon.W To---Fwd Supt Radio for consideration.2/7. Makes appt. 14th. 2-11	
90105	1-31	Dominican Republic	Desire to open radio station and reqt data re handling messages. W. To---Fwd Supt Radio for reply.2/13.	
90325	2-11	NY	Atlantic Communication Co. station at Sayville, .L.I. Reports on inspection by Sub-inspector Guy Hill. W	
90832	2-18 2-20	United Fruit Co Dept	Fwds draft of letter to be presented to Republic of Panama re failure to construct radio station due to objection of US Govn. W To-- acknowledgement 2/26 Fwd--Supt. 2/26	
93606	3/28	To ARLINGTON via Supt.	Desires permission be grandedMr.Lemke Rep. of Goldschmidt, Hanover,German, to carry out test of receiving signals.	903
98202	5/21	At.Flt.	States Atlantic Communication Co. Station at Sayville, L.I. can and probably does intercept all of fleets official messages including those in code, thinks probably that German avy is stationing officers at Sta. to get in touch with method of signalling, code, maneuvering of fleet, etc. Recommends officer be detailed to act as censor for Station or that Germany allow US to erect similar station in Germany.	881

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Number.	Date.	From or To—	Subject.	
98568	5-19	Pug.Sd 10322	Fwds description and prints of radio installation ships Patterson and Explorer.W	
98718	5/23 6/4	Federal Telegraph Co. Dept. 9900-132-1	Request permission to establish commercial wireless station Midway Islands.W Ret Dept.comments.6/9.	
99639	6/17	To Atlantic Communication Co.	Generator installed at Sayville station; G.H.Clark directed to witness operation.W To NY.directs instruct GH.Clark to witness.6/17.	
104043	8-18 8-20	Dept Commerce C&R 2083-16	Goodyear Rubber Co. station at Detroit,Mich. Fwds description.W	
104620	8-30	Supt Radio	Marconi Station, Point Judith, R.I. closed to public service after Aug.31. W	
105592	9/6	Federal Tel Co.	Great Lakes Training Sta. asks if Bu. will lease their station.	899
108635	10/23	At.Com. Co.	Solicits business for H.P. quenched gap sets, particularyly for Lake Bluff Sta.	876
110798	11-3 11-19	NASHVILLE: Supt Radio	Reports that Zumurry SS Co. intend erecting high powered station at Oama, Honduras.W To S.Zemurray comments as to what would be most satisfactory.11/26	

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MERCHANT SHIPS & STATIONS: 1912

Number.	Date.	From or To—	Subject.
61232	2-12	NY 3333-3	Reports on inspection of station erected Sayville, in charge of German who conveniently forgot all English when asked questions. W
61881	2-21	Nav. Intel	Reports removal of wireless station from roof of Fore River Ship.Co.W
65037	3-30	Atlantic Communication Co	Wireless station at Sayville. Extends invitation to Adm.Cone or any officer of Bureau to inspect. W To---Ack.4/2.
67522	4-25 4-29	C&L Dept 12479-515	Report of Wireless Ship Inspector NewYork on steamers Hamburg-American Line; makes suggestions for 2 generators, 3operators, additional receiving set on merchant ships due to large part of time sending on long wave in order to get press reports; this is reason Titanic help call not received by certain vessels. W Ret--- 5/4.
69277	5-17	Price, S.	His private station; asks if new legislation will prevent operation; also call letters.W To---Must obtain license from C&L.5/21.
69417	4-30	Commerce & Labor	Rwds report on United Fruit Co. stations at New Orleans. W
70617	6/7	NY	FIRE ISLAND: reports on station being erected at Sayville, L.I. Will seriously interfere with operations of. 812

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MERCHANT SHIPS & STATIONS 891

Number.	Date.	From or To—	Subject.	
√71729	6-8	Southern Tel.School	Rept. information re best type mast and apparatus for installation in station, Nashville, Tenn. W To---Gives information.6/21.	
√72289	6-24 6-26	State Dept Dept	Reports establishment by.United Fruit Co. station at Santa Marta, Columbia W Ret Dept.6/28.	
74728	7/22	M.Is.	Requests copies of merchant vessels of the United States and Lloyd's register.	895
√78441	9-9	Colon	Commercial station Royal Mail Dock, Colon; reports resumption of operations.W.	
√78707	-924	TO Nav.Intel	Fwds letter from C&L re changes in United Fruit Co. systems. 9-24W	
√79215	9-30	Atlantic Communication Co (SAYVILLE)	Reports opening for business Oct. 1st, trans-atlantic service; deferred until completion of tower at Nauend, Germany. W To--10/3 Fwd Dept.recom.At.Flt. designate officer to visit. 10/3	-
√84104	12-2	University Michigan	Asks if Bureau will test out plant just completed.W. Fwd Radio.rec appr.12/4.	
√85818	12-23	Telefunken Co	Fwds copy of article to be published in Elec.World re range shore stations.W. To---Ack.12/26.	

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[OVER.]

MERCHANTS SHIPS & STATIONS:

Number.	Date.	From or To—	Subject.	
47728	8/31	Navgn	Gives list of steamers equipped with wireless at Galveston. W	
47994	9/6	Robison, S.S.	Reports inspection of Marconi Sta. South Wellfleet, Mass. Glace, Nov. Scotia, also Navy Station Cape Eliz. Chief To Ports. quotes re port 9/9	
49001	9/19	Nav. Intel	Reports from Consul at Colon on establishment of United W.T. Staton. W	
49344	8/24	Australasian Co	TUTUILA; fwds information re wave lengths, power, etc of their wireless stations in connection with station at.	846
49998	10/2	TO Federal Tel.Co	Reqt. description of their El Paso commercial station. W	
51484	10/19	Federal Tel.Co	Gives description of their El Paso station; and reports on commercial work ofother stations at San Francisco and Los Angeles. Offers to sell apparatus to Govn. W Fwd CINCINNATI MWH 10/27. RB 11-18.	
56620	12/20	To Phila & NY	Marconi apparatus on stores of John Wanamaker; reqt information concerning working, wave length, etc. W	
57202	12/27	NY 206-8	Reports on working of Marconi apparatus in stores of Wannamaker at NY and Phila. work almost continuously from 3 to 6 PM practically cutting out NY Sta. W	

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Tuckerton

MERCHANTS SHIPS & STATIONS. 891

1912

Number.	Date.	From or To—	Subject.
57891	1/4	Phila 4501-5	Marconi apparatus; on stores of Wannamaker Stores; reports operations gives considerable interference. W.
58072	1/9	To Telefunken W.T.Co.	New station at Sayville, Long Island; Requests data as to extent, power and purpose for which being erected.W
	1/9	To NY	Directs nominate suitable person to visit station.W Not being erected by that company.1/11 Lt.Comdr.Kimberly will visit.1/10 To Telefunken Co. Ack.1/12. To Nav. Reqst orders for V.A.Kimberly in connection with inspection.1/12 To K.G.Frank.Asks purpose for which being erected.1/12.
58875	1/17	Frank, Dr. W.G.	Gives data on new station being erected at Sayville.W. To---Ack.1/19.
60036	1/30	Chas. W	Commercial Station Jacksonville, Fla. reports never having heard Palm Beach working. Fernandina has a man in charge. Will report further. W
60016p	1/30	To Chasn W	Asks if stations at Fernandina and Palm Beach operating, and if handle many messages.W
60348	2-3	Chasn	No commercial stations in operation at ~~Panama~~ Palm Beach and Ferandini. W

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[OVER.]

MERCHANT SHIPS & STATIONS. W.T.

FILE No.		From or To— (Dated)	Subject.	
35909	4/11	TO Narr. Nav.Sta	Directs Nantucket light ship carry out test with steam ship LA PROVENCE.W RB 4-21	
37058	4/18	Branch Hydrographic Office Phila.	Reports on wireless system on British ships.W	
41003	6/3	Tacoma-Roche Harbor Lime Co.	Offers use of their station at Roche Harbor as relay station for Tatoosh and other Govn. stations on Pac.Coast in lieu of erecting station at San Guam Island.W	
41003	6/10 6/12	Jones Sen. W.L. Dept	Fwds proposal from Tacoma Roche Harbor Lime Co offering use of their station as relay for Tatoosh Is.Station. W	
41813	5/29 6/20	Seattle Gas Engine Machy Co. Dept 12479-421	Reqt opportunity to bid on wireless station to be erected on San Juan Islands to act as relay station for Tatoosh. W Ret Dept. Noted.6/23.	
45982	7/31 8/1	TO New Orleans & Pensacola To Navigation.	Reqt. list of all merchant vessels equipped with wireless, entering port.W BLRB 8-14 - N Orleans To Nav.Reqst number of ships equipped with wireless trading with port of Galveston.8/15.	
45531	8/3	Pensacola	No vessels entering port carry wireless.W	
45539	8/2	United Fruit Co	Fwds tarriffschedule for receiving and transmitting messages.W To---Acknowledgment.8/9.	
46622	8/16	Hydro.Office	Submits list of, equipped with wireless at Galveston.W	

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MERCHANT SHIPS & STATIONS: W.T.

FILE No.		From or To— (Dated)	Subject.	
28453	1/5	Hydro.Office	Reports establishment on ships Ref.Navn.1/9	
30510	1/30	United Wireless T.	Reports contemplated abandonment of Key West and Charleston Stations.W Fwd Key West,Chas.,Norf.for comment 2/2. R.R.2/14- re hire of clerical help at Sta. Fwd Dept 2/17.	
31503	1/3	Tutuila	Invites attention to great advantage in having Tutuila in wireless communication with new station erected at SUVA	846
31692	2/4	Branch Hydro Office San Francisco	Submits list of Merchant vessels equipped with wireless outfits. W	
31926	2/18	To Navigation	CODES: reqt Br. H.O. obtain information re merchant vessels entering Port. of New York	879
33744	1/16	Tutuila	Fwds data on wireless stations in vicinity in connection with proposed station at.	846
34649	3/25	TO United Fruit Co.	Reqt copies of wireless telegraph regulations.W	
34979	3/27	Nav.	International Bureau of Telegraph Union, Circular No.23: reqt list of names of managing companies and operators for vessel owners. W To Int.Bu.of Tel. List of W.T.Stations of World fwd.5/8.	
35171	3/30	United Fruit Co.	Forwards books on rates, rules, and regulations of Wireless Department. W. To -- Acknowledges 4/4.	

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TUCKERTON HIGH POWERED STATION.

(see Merchant ships & stations) 1914

Number.	Date.	From or To—	Subject.	

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Number.	Date.	From or To—	Subject.	

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ARKANSAS: SPECNS. ETC.

1912

Number.	Date.	From or To—	Subject.	
72151	6-25	C&R 25273-E.71	Machy specns; reqt. duplicates be sent to S.C. Cramps, N To Constr, NYS. Fwds spcfns. 6/27. Ret---6/27.	
82092	11/8	To C&R	& WYOMING. Hull spcfns; request copy, which include electrical specfns, be fwd to NY yard. L	
			1913	
262658	11-21	USS WYOMING	1917 Reports boats transferred to the ARKANSAS.	611-1
			1918	
286116	3-2	Refrigerating Engrng Co 700-1	Request be put on list of bidders for ammonia refrigerating equipment. L	
		1922		
630153	6/22	Pac Fleet	Returns specifications for battleship WYOMING & ARKANSAS D	

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1913

Number.	Date.	From or To—	Subject.	

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Number.	Date.	From or To—	Subject.	
286323	2-28	CO	Standardization curve of May 30th - request copy. N fwd Gunnery Exercise and Eng Performances. 3-6	
411528	4;13	Chief Observer	Submits report on full power trial with comments on unsatisf. feed water del. thourgh S&K feed heaters necessitating use of aux. feed pump D (cross to 10)	
548643	2;6	Battleship Div 6	Submits report covering de-arrangement of machy on. D&Y	
591493	9/21 10/20	CO WYOMING C&R 488-2	Error in speed revolution curve of ARKANSAS or WYOMING or both, involving detriment to WYOMING's relative score- report cov. DM Fwd Operns 10/27	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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ARKANSAS: TRIALS: PAYMENTS. 1913

Number.	Date.	From or To—		Subject.	
104179	8-22	NYS	1031-961	Fwds contractors bills for extra elec. work.K	
105563	9-12	NYS		Fwds contractors bill for changes to galley equipment.N	
107585	10/10	Dept.		Umpires report on full power trials of	766
111647	12-1	NYS	2781-2508	& JARVIS; reqt. log and summary sheets; standardization trial.D Fwd Bd I&S.requests furnish.12/3 RB 129	
113140	12-19	Dept		Report A; fwds. F Fwd At/Fleet.request report of coal used from this cargo on other ships.12/20. RB 86 Fwd Dept via S&A.summary of comments on coal.3/7.	
115290	1-15 1-17	NY C&R		Work for which responsibility has not been determined.N Ret C&R.chargeable to govt.1/19.	
117394	2/10	To Gen Inspr of TEXAS.		& WYOMING: fwds speed curves plotted from standardization data.D	
131598	8-5	Dept		Report B;fwds.F Fwd Dept.rec be referred to C&R.8/13.	

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N.S.E. Form 134.

ARKANSAS: TRIALS: PAYMENTS:

Number.	Date.	From or To—	Subject.	
139372	11-12	To Dept. JOINT	Final acceptance and settlement; reports on.	
139829	11-16	Solicitor	Finally accepted Nov 16. Y	
139993	11-16	Dept 27235-49	Directs final acceptance and settlement.N Fwd C&R-- Vouchers have been appvd. 11/21	
140736	11-28	Dept	Full power trial; F Retd-- Noted. 11/30	
141780	12-10	Dept	Report A Retd-- Noted. 12/11	
146344	2/4	NYS	OKLAHOMA; preliminary trial; test of gages; inspector states requirements too severe; recommends easier test; fwds result of ARKANSAS test	522-2
149102	3-6	C&R	Curves of effective HI; fwds.D	
157072	6-8	Dept	Report B Retd-- Noted. 6/12	
169282	10/25	NYS	Phila Yd reqt loan of weight sheets.DR	

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ARKANSAS: TRIALS: PAYMENTS.

Number.	Date.	From or To—	Subject.
94850	4-11	NY 370-820-10	Estimates on recommendations of trial board.N Fwd Dept. comments & recommendations 4/22 To---& NYS.appd.4/26. (J)fwd Dept.with rec.5/3. RB 5-10 Fwd C&R 5/12
94852	4-4	NY 370-820-5	Estimates on elec. items, recommended by trial boardL To---appd with exceptions.4/21. Fwd Inspr NYS- 5/8 RB 5-10
95298	4/17	NYS 907-2320	Gate valves; fwds tracings of as called for by Trial Board's report.N
96829	5/8	NYS	Monthly report.N
97675	5/17	NYS 1154-2254	Defects and deficiencies; forwards contractors' comments on rebabbitting I.p. turbine.N
99026	6-7	NYS	Monthly report.N
99361	6-11	Kinney, R.D.	States item of boiler tubes called for on list of spare parts were delivered to vessel as called for and error reported to have been made by writer in weight sheets does not exist.N
99804	6-5 6-16	CO At.Flt	Full power and endurance runs; vessel can reach assigned speed only by keeping 175# pressure in low pressure receivers; met condition only thru efforts of Chief Machinist .JA.Oliver in fire rooms and recommends commendatory notice be placed in his record.F Fwd Nav.comment.6/21.

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ARKANSAS: TRIALS: 121-2

Number.	Date.	From or To—	Subject.	
99982	6-18	NY 375-820-23	Reports work chargeable to contractors. N To NYS. gives items performed at yard. To---informs as to responsibility. 7/1. 6/8. NYS Company accepts charges 6-30 To---asks if installing augmentors is completed. 6/4. To C&R. reservations. 7/3.	
100432	6-27	Dept	Eng. Comp Fwds report. F Ret---7/3.	
101087	7-8	NYS	Monthly report. N To---item (13s) "circ·pumps for dynamos too small" need not be included in future reports. 7/29.	
101313	7-11	TO CO	~~Engine log; Cummings type; reqt. report on operation. D~~	665-2
101851	7/19	Dept.	Engrg Comp. Report B.	766
			103798 8-	
103798	8-15	NYS 1825-1501	Fwds contractors bills covering steam connections to bath room. K	
103797	8-16	NYS	Fwds contractors bill for extra work on foundations for foced lubr cation settling tank. N	
103824	8-16	NYS	Fwds contractors bills for elec. work in connection ward room bath. K	
104138	8-21	NYS	Contractors bills for change in heating, fuel oil system, forced draft blowers. K	

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ARKANSAS: TRIALS: PAYMENTS. 1913

Number.	Date.	From or To—		Subject.
91019	2/24	NYS	431-2254	Submits list of uncompleted work in connection with final trial.N Fwd Bd I&S 2/25 RB 3-24
91001	2/24	Solicitor	27235-326	Copy of order to Trial Board.N
91174	2/26	Dept.	27762-32	Fwds tactical data reports.F Fwd C&R 2/27
91363	2/25	Dept.		Reports damage done by striking uncharted coral reef.Y Ret---3/1.
91927	3-6	NYS		Monthly report.N
91928	3-6	Bd.I&S		Final trial; fwds report.N. To--NYS- reqt comment 3/26 To NY.request estimates on certain items.3/31 To NY.Work authorized.4/1.
92285	3-3 3-10	Bd.I&S ept	27235-371	Final trial; fwds report of board. N Fwd C&R.3/14.
92477	3/14	To NYS		Final weight sheets show overweight of machinery of 75.74 tons.N
92894	3-19	C&R	25315-E.21	Final trial; fwds b/p copy.N To-NYS fwds copy 3/26
92867	3-19	NY		Bailey counters;will be completed Sat.22nd.D.

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N.S.E. Form 134.

ARKANSAS: TRIALS: PAYMENTS. 121---2

Number.	Date.	From or To—		Subject.	
93498	3/27	NYS		Fwds letter from contractors requesting to be relieved of all penalty for over weight of machinery; Inspr recommends.N Fwd Dept via C&R.rec appr.7/2. RB 8-1 Fwd Dept.comments.8/19 RB 8-26 To--remittance of penalty 9/26	
93583	3/27	NY Comdt		Requests action on report of Board on final trial.N	
91928		SEE OTHER SIDE		Report of Trial Board for final trial. To Nav.re certain itmes.4/1. To NY.Gives list of articles and asks if received.4/1.	
93827	4/1	To NY	T	& ONTARIO: SONOMA: Directs proceed with Eq.S.E.work.L	
94433	4-8	NYS	805-2314 Un	Finished work; fwds contractors letter reporting shipment of spare propellers and spares,etc.N To CO.Asks if contractors furnished cheek plates for furnaces.4/10. Cheek platesfd on vessel 4-14	
94552	4-8	NYS		Monthly report.N	
94556	4-8	NY	370820-7	Appropriation to which certain job orders are to be charged.L To---states what is satisfactory.4/10.	
94740	4-11	NYS	855-2314	Final trial; contractors recommendations on report of deficiencies.N To-C.O.-Reqt comment 4/16	

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ARKANSAS: TRIALS: PAYMENTS. 1913

Number.	Date.	From or To—		Subject.
87163	9-16 1/16	NYS Co. C&R		Requests extension of contract time.N (J)fwdDept.Rec appr.1/10. RB 1-15 Fwd C&R.Vouchers have been appd.1/16.
87633	1-15	NYS	119-2254	Reports on status of uncompleted work. N
87635	1-15	NYS	70-6115	Uncompleted work; hold receipt from Paymaster of ship for certain spares on turbines.N
88206	1-21	NYS	176-2314	Fwds memo of shipment covering cleaning lenses reported on list of shortages.N.
88413	1-23	Bd.I&S		& WYOMING: final trials; reqt. that Bailey or Smith-Cummings counters that Bureau intends to install permanently, be installed before trial. N Fwd NY.Reqst est for mfr of gear for Bailey counters.1/27. RB 2-3 To NY.mfr appd.2/3. To--mfr appd.2/3.
88868	1-29	NYS	232-1501	Fwds bills covering items, changes in cost.N
88881	1-29	NYS		Bill for authorized changes, elec. N
88985	1/30	NYS	162-6116	Shortages, electrical. States GSK,New York, has been requested to check and return receipted memorandum.N

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ARKANSAS: TRIALS: PAYMENTS: 121-2

Number.	Date.	From or To—	Subject.
89604	2-6	NYS	Monthly report.N
90056	2-12	At.Flt	Struck coral head Guantanamo bay; water in 5 comprtments.Y
90280	2-14	At.Flt U	Expect to get Guantanamo to-day; will send NY ~~for~~ after investigation. Y
90615	2-18	At.Flt R	Reports on damage. Y
90643	2-19	Dept	C-in-C authorized to send to Hampton Roads.Y
90730	2-20	Bd.I&S 276	Final trial; reqt. status of work.N To NYS.Reqst list of uncompleted work.2/21.
90925	2-22	Anderson, E.B.	Trial trip; reqt. permission to attend in behalf of Parsons Marine Tur.Co. N
90989	2-24	Solicitor 27235-326	Final trial; reqt. machy specns. N To-- fwds 2/25
91024	2/24	Dept.	Directs repairs after arrival at New York; Bd I&S will join vessel at Hmapton Roads.Y

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ARKANSAS: TRIALS: PAYMENTS. 1912

Number.	Date.	From or To—		Subject.	
83491	11/25	To NYS		Uncompleted and unsatisfactory work for which contractors are responsible. Previous reports appear to have been incomplete. Gives instructions as to what is required.N	
83576	11-25	NYS	2303-231	Weights sheets;fwds. D	
83712	11/27	Dept		TRIAL TRIP: date	764
84006	12-2X	NYS	2429-2314	Uncompleted and unsatisfactory work; explains in detail Inspectors interpretation of Bureaus instructions relative to reporting on and apparent discrepancy between his reports.S. To---comments and instrns.12/14.	
84505	11-30	NY	370-755-6	Uncompleted work; reports on items for which contractors are responsible. N To NYS.Quotes items for which contrs are relieved of responsibility.12/9.	
84621	12-9	Dept	27225-E.330	Details for taking President to Canal Zone; dir directs fitting out at Norf.Y	
84624	12-9	NYS		Monthly report.N	
84643	12-7	NY	370-755-7	Gives actual cost for fitting extension rods to valves, and drip pans under air compressors; chargeable to contractors.N To NYS.Gives cost, chargeable to contrs.12/10. Were completed by contractors and did not appear in list.12-11 To NYS line "All boiler try cocks" will be omitted from report to be reported to contrs.12/12.	

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ARKANSAS: TRIALS: PAYMEN S. 121-2

Number.	Date.	From or To—	Subject.	
84819	12-11	Dept	President will embark Key West 21st. Y	
85256	12-16	NYS 2548-2311	Weight sheets; fwds corrected. D.	
85297	12/17	NYS	Copper exhaust piping, replacement of: contractors claim must have been subjected to abnormal pressure and refuse to be held chargeable for cost of repairs.	121--15
85557	12-18	Bd on Changes, NYS	24 hour trial; omission of bagging of coal. Dec. cost. N Fwd Dept rec appr. 12/20. RB1 8 a'ppd To NYS. appd. 1/3	
85511	12/19	Dept.	Final trial date	764
85925	12-23	NYS 2624-2320	Booklet plans; reports delivery of: srike from list uncompleted work. N	
86998	12/17 1/6	CO Dept. 27762-19	1913 Engineering Competition. Standard speed required 22.08, 1-1/2 knots in excess of contract speed, and will required over 140% of designed power to attain. Requests be reduced. F Ret Dept. 1/15.	
87088	1/9	NYS	Monthly report. N	

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ARKANSAS: TRIALS: PAYMENTS. 1912

Number.	Date.	From or To—		Subject.	
77933	9-12	NYS	1790	Contractors bill for items extra work; Steam machinery. N	
77934	8-31	NYS		Submits bills for extra work; Elec. N Fwds letter of transmittal.9-13	
78160	9-16	NYS	1092-6116	Revised list of unfinished work with estimates for reservations. N	
78243	9-17	NYS	1821-2313	Unfinished work; revised statement of.N	
78571	9-21	NYS	1121-6116	Submits contractors comments on unfinished work.N. To -- reservation for 10-7 RB 10-10 TO CO 10-7 TO C&R 10-7 TO NY 10-7 Fwd Dept.10-7 To---quotes Dept's action.--To C&R.Resrvh.10/12	
		OVER			
79403	10-3	NYS	946	Estimate dec.cost omission of bagging coal on 24 hour trial.N.	
79384	10/2	Dept		Reqt report on all uncompleted work at time of departure from Phila. together with est. of time to completed work at New York Yd.	121--8
79829	10-9	NYS		Monthly report.N	
79834	10-9	NYS	2026-2313	Uncompleted work; submits revised recommendation for reservation.N To---appd.10/12.	

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ARKANSAS: TRIALS: PAYMENTS: 121-2

Number.	Date.	From or To—		Subject.	
79896	10-9	Solicitor		Prelim accepted Sept. 14th.N	
80196	10-14	NYS	2072-2313	Strike item of blade lengths for turbines off list of unfinished work. N	
80816	10/20	Utah		ENGRG COMPET. full power trials, 22 knots, vary from 1-1/4 to 1-1/2 knots more than contract speed, unsafe.	766
78571	10-22	OVER		(J) TO Department; recommendations re deductions, penalties, etc. 10-22. RB10-28 a'pp. Fwd C&R 10-28 To NY. Instructions 11/9. To NYS. 1/11. CO reports on items not yet completed	12-29
81082	10-25	NYS	2153-2308	Omission of bagging coal on 24 hour trial; decreased cost. N Fwd Dept recom. 10-28 RB11-5 a'pp'd To---appd.--To Gen Inspr. for dec cost.	11/16.
82020	11-7	NYS		Monthly report. N To---Gives status of items. 11/9.	
82202	11-9	NYS	2265-2311	Penalty for excess water consumption; fwds contractors appeals against. N Fwd Dept via C&R. Rec be remitted. 3/1. To---penalty remitted. 3/22.	RB 3-21
82837	11-16	NYS	2321-2314	Shortages; fwds memo shipment covering spare parts. N	
83225	11-21	NYS	1395-699	Fwds list of elec. stores shipped to Phila were included in list of shortages when vessel left builders. N Fwd Phila. Asks if items received. 11/22.	RB 12-9

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ARKANSAS: TRIALS: PAYMENTS.

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Number.	Date.	From or To—		Subject.
74207	7/23	NYS	902-6116	Unfinished work; fwds list---lighting dials, mounting telephone and salvo jacks, wire leads to emery grinder, etc.N To---Requirements.8/2.
74285	7/23	C&R	25513-E.16	Report of Board on Prel.Trial; fwds.N NYS 7/29.Asks what will be required in form of general data for booklets.N To NYS.Fwds copy of report.7/26. To-NYS. will include "General data" 7/30
75006	8/3	Wm.Y.Avery		Builder's Trial; report of observations.L
75167	8/5	NYS	1588-2254	Monthly report. N
76833	8/28	NYS	1692-2313	Contractors request authority to deliver vessel on 29th inst.N
76876	8/29	Dept.		Telegrams to Phila.authorizing delivery and acceptance of when finished to satisfaction of inspectors.N
76969	8/29	Solicitor	27285-279	Have authorized delivery on completion to satisfaction of inspectors.N To--NYS. instruction 8/31
76936	8/29	Phila		Delivered and accepted subject to verification of inventory at 2.30 Aug.29th.N

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ARKANSAS: TRIALS: PAYMENTS. 121---2

Number.	Date.	From or To—		Subject.
77045	8/29 8/29	Phila. Dept.	T	Vessel delivered and accepted.N
77007	8/28 8/30	NYS C&R	25083-E.1	Delivery of. Recommends that date of preliminary acceptance date from completion of repairs to bottom of ship.N Fwd Dept. concurs 8/31 TO Dept (J) recom prelim accept.10-8
77176	8/30	Solicitor	27235-281	Delivered Phila.29th. N
77461	9/6	To NYS		Machy weights; request for.
77599	9-7	NYS		Monthly report.N
77699	9-9	NYS	1067-6116	Fwds list of uncompleted work to be done at Navy Yard after delivery; also recommends certain additional work to provide for additional lighting, etc. N Cory; agrees to change if not already made; helm transmitters. 9-26 To-Cory&Son.re change helm angle indicator 9/25
77700	9-9	NYS	1066-6116	Submits list of unfinished work for which contractors are responsible.N. TO -- submit revised 9-14
77704	9-9	NYS	1760-2313	Unfinished work; means to be provided for removal of cooling coils of ice machine; under C&R and reqt. be taken up with that Bureau.N Fwd C&R 9-14 RB 10-5 Ret C&R desires. 10-7
77705	9-9	NYS	1759-2313	Unfinished work; submits list together with estimates of amount to be reserved.N. TO -- re certain items not listed.9-14 TO C&R shift bilge suction 10-7

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ARKANSAS: TRIALS:PAYM NTS: 1912

Number.	Date.	From or To—		Subject.	
69779	5-25	Solicitor	26834-288	Trial; machinery specns. reqt.N To---copy fwd 5/27.	
69845	5-27	Dept	26834-288	Prelim trial; orders to board.N	
69893	5-28	NYS	(J)	Prelim trial; reports on inspection of coal bun ers, fuel oil tanks, etc.N	
69823	5/23	Dept		& WYOMING: probable date of delivery:	488--2
70322	6-4	Dept		Copy of telegram reporting ship grounding and damage to bottom plating.N	
70475	6/6	Dept.	T	Completed standardization trials averaged 21.202. Examination shows nothing to prevent further trials.N	
70532	6-6	NYS		Monthly report.N	
70966	6-11	NYS	1238-2321	Reqt. list of unfinished SE work for use trial board.N	
71119	6-13	NYS	1250-2308	Bailey counters;req.instructions re disposition of those used on trial.N To---NY,S&A. Shipment to NY requested.	6/14.

N.S.E. Form 134.

ARKANSAS: TRIALS: 121-2

Number.	Date.	From or To—		Subject.
71768	6-21	NYS		Uncompleted work; recommends item, mica in boiler peep holes be stricken from list.N To---appd.7/6.
71769	6-21	NYS	1314-2321	Dynamo condensing plant; reqt. be stricken from list due to satisfactory operation during recent trial.N To---Held in abeyance.7/6.
71992	6-21	NYS	1313-2321	Uncompleted work; defective check plates in boiler furnaces; contractors claim that they cannot be required to repair or replace parts impaired during prelim trial when such parts have been supplied under change in contract. N To---Requirements.7/19.
72108	6-24	Bd.I&S	1255	Prelim trial; fwds report. N To---Reqst list of uncompleted work.7/6.
72351	6-28	NYS	1355-2321	Uncompleted work; relag fuel oil pipes; contractors object to doing work.N To---lagging of pipes not appd.7/6.
72396	6-26	Dept	27235-260	Reports prelim trial; fwds; issue instructions re unfinished work.N Ref C&R 8/7
72714	6-3	NYS		Monthly report.N
73228	7-11	Bd.I&S		Post trial machy; fwds report.N
73626	7/17	C&R	25313-E.16	Post trial examination of machy; reports.N Ret---7/18.

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ARKANSAS: TRIALS PAYMENTS: 1912

Number.	Date.	From or To—		Subject.	
64030	3-18	C&R	25313-E.1	Fwds notice from contractors prelim. trial will be held May 1st. N Fwd Dept noted.3-20	
64664	3-26	NYS	733-2308	Recommends ink copy sy nopsis Hull and Machy data be not furnished trial board. N To---Instructions.3/27.	
65840	4-6	NYS		47th payment; application.N Fwd Solicitor (2) 4/9.	
65960	4-9	NYS		Monthly report.N	
67576	4-30	NYS	986-2308	Contractors reqt. trial June 4th. Recommends.N Fwd Dept.via C&R and Bd I&S.rec appr.5/3.	
67803	5-2	C&R	25813-E.3	Fwds reqt. from contractors to hold trial June 4.N Fwd Dept via Ord and Bd I&S.rec appr.5/3.	
67797	5-2	NYS	993-2308	Synopsis machinery and hull data; fwds for trial board. N To Bd I&S.Fwds copy.5/4.	
68269	5-7	NYS	1022-2308	Prelim trial; fwds plans showing location of instruments to be used on.N	
68317	5-8	NYS		Monthly report.N	

N. S. E. Form 134.

ARKANSAS: TRIALS:PAYMENTS: 121-2

Number.	Date.	From or To—		Subject.
68638	5-10	NYS	1050-2308	Prelim trial; fw s print showing result of main engine shafting calibration and horse-power constants. N To---Reqst prints of calibration data. 5/17.
68692	5-13	NYS	1058-2308	Prelim trial; reqt. list of members of trial board. N
68693	5-12	NYS	1056-2308	Prelim trial; submits list of attaches of office who are to go on vessel.N Fwd Nav.5/17.
68656	5/13	To NYS		Requests copy of machinery specifications for use of Trial Board.N Fwds specns. 5-14
69223	5-15	NYS	1092-2302	Trial; fwds print showing shaft calibration for use trial board.N
69276	5-20	NYS	1095-2308	Recommends Chief Boatswain M.Fritman witness trial. N Fwd Nav·in conn.with 68693-121e2 of 17th. 5/22.
69280	5-18 5-20	Bd I&S Dept	961	Prelim trial; directs draftsman be detailed and necessary counters,etc. be fitted.N To NYS.Instructions.5/22.
69373	5-21	NYS	1107-2308	Prelim official trial; contractors reqt. action on letters asking for list of officers and men who are to witness. N Fwd Nav.5/23.
69577	5-24	Cramps	T	Trial;reqt.names of officers,etc.who are to attend Fwd Navgn:5-24

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ARKANSAS: TRIALS: PAYMENTS:

1912

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Number.	Date.	From or To—		Subject.
59060	1/19	NYS	154-2708	Prelim trial; fwds contractors comments on report as to meeting requiredments of Bu.N. Reqt. changes: 1/122 To---Changes appd.(3 page letter).1/26.
59196	1/20	NYS	161-2253	43rd payment; application, N (2)fwd Solicitor. 1/22.
59655	1/26	To S&A, NY, NYS		Bailey counters for use on trials; shipment of, NY to NYS. N BLDR 2-13 Ret S&A. Shipment not required.2/14.
60352	2-1	NY	3706-603	Bailey counters for trial; only 4 now on hand; these have been shipped; have 2 old type at yard; reqt. instructions re shipment.N To---Shipment of a fifth will not be made.2/8. To NYS. Same.2/8.
60666	2-7	NYS	314-2253	44th payment; application for.N Fwd Dept.(3 endorsements)2/8.
60750	2-8	NYS		Monthly report. N
60846	2-9	NYS	336-2322	Prelim trial; asks if Bureau desires to recommend any particular brands of oil for use on turbines; understands "Texaco" gives better results than Vacuum Company's.N To---Fwds copy annual contracts for lubr. oil; states what are satisfactory.2/16.
61948	2-23	NYS	464-2308	Reports on operation turbines, main air pumps, boilers, etc: during dock trial. N Fwd Bd I&S 2/26. R B 7-8
61947	2-23	NYS	460-2308	Fwds contractors comments on instructions for final trial; particularly on measuring water rate gen. sets. and fuel oil.N To---Comments and requirements.3/1 To---Fwds curves of water rates.3/5.

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N.S.E. Form 134.

ARKANSAS: TRIALS: PAYMENTS: 121-2

Number.	Date.	From or To—		Subject.
62174	2-26	NYS	497-2308	Prints showing proposed arr. for measuring water during trial.N To---appd as mod.3/2.
62312	2-28	NYS	513-2308	Dock trial; furnace mouth cheek plates burnt out; contractors claim caused by poor firing; think defect is in arrangement plates; suggests be remedied before trial.N. To---Approves reqst that altering be deferred.3/18.
62311	2-28	NYS	513-	Dock trial; air pumps; show excessive vibration; have requested r-medy. N
63010	3-6	C&R	25067-E.42	Constructors progress report feb. N Fwd Dept.3/8. RB 3-14 Fwd NYS for compliance.3/14. RB 3-18 Fwd Dept. 3/18
63026	3-7	NYS		Monthly report.N To---approves substitution of steel studs for bronze in bonnets of main air pumps.3/9.
63036	3-6	NYS		45th payment; reqt. N (2)Fwd Solicitor.3/8.
63345	3-11	NYS	629-2308	Reqt. instructions re indicating auxiliaries during trial trip.N To---Approves contrs' reqst to furnish duplicates of power curves of UTAH.3/13.
63488	3-12	NYS	639-1301	Bills for authorized changes; N
63910	3-18	NYS	673-2253	46th payment; application for.N Fwd Solicitor(2). 3/19.

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ARKANSAS: TRIALS: PAYMENTS: tec.

Number.	Date.	From or To—		Subject.
42909	7/6	NYS		Monthly report. N
43148	7/7	NYS		34th payment; application for.N. (J) to -- 10% reservation.7/13.
43149	7/7	NYS		35th payment; application for. N (J) to -- 10% reservation.7/13.
44885	7/29	NYS	1560	32nd and 35th payments; protests. N
44883	7/29	NYS	1559	31st and 34th payment; protests.N
45428	8/4	NYS	1602	Monthly report. N
45514	8/4	C&R	2511-E.209	31, 32, 34 and 35th payments; fwds protest. of conractors. N Fwd Dept.Reservations were made in accordance with Nav.Appro.Act of Mar.4,1911. 8/8.
45778	8/4	NYS	1606	36th payment; application.N Fwd Solicitor.8/9.
48205	9/8	NYS		Monthly report.N
48810	9/16	NYS	1900	37th payment; application for. N Fwd.Solicotor. -/18 (J) NYS date bills 15th of month 9/22

N. S. E. Form 134.

ARKANSAS: TRIALS: PAYMENTS: 121-2

Number.	Date.	From or To—		Subject.	
49913	9/30	NYS	2030	Fwds contractors of claim for re-imbursment 6% on partial payments held up.N (J)fwd Dept.Rec appr.10/20. Reqt. action.4-5. To Dept.reqst action.4/13 To---Not allowed.4/18.	RE 4-17
50438	10/6	NYS		Monthly report.N.	
51671	10/21	NYS	2221	38th payment; application for.N (2) Fwd Solicitor 10/24.	
52663	11 3	NYS	2390	39th payment; application for.N	
52918	11/7	NYS		Monthly report.N.	
55335	12/5	NYS	2707	40th payment; application for.N	
55336	12/5	NYS	2708	41st payment; application for.N	
55459	12/7	NYS	2740	Monthly report.N	
56133	12/14	To NYS		Prel. trial; gives instructions re furnishing Trial Bd. with data. N	
				1912	
57935	1/6	NYS	35-2254	Monthly report.N	
58293	1/10	NYS	80-2253	42payment; application.N Fwd Solicitor (2) 1/11.	

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FILE No.		From or To— (Dated)		Subject.
36778	4/20	NYS	868	32nd payment; application for. N Fwd Solicitor 4/22. (J)to -- Acct 90% limitation no paymt can be made.4/25.
37434	4/29	NYS	940	Fwds protest of contractors against with-holding 30th, 31st and 32nd payment.N. Fwd Dept 5/2.
37705	5/2	C&R	25111-E.101	30th, 31st, and 32nd payment; fwds letter from contractors protesting against with-holding.N Fwd Dept 5/4.
38203	5/6	NYS	999	Report prog. N
38857	5/16	C&R	25011-E.96	Fwds contractors nofitication of delay and increased cost for completing, caused by replacing certain armotr plates.N. Fwd Dept via Ord. Concurs with 1st endorse-ment.5/18.
40674	6/7	NYS		Monthly report. N
40726	6/7	NYS	1255	Thirty-third payment: application for. N Fwd Solicitor.6/9.
41973	6/23	NYS	1339	30th payment: fwds protest from contrs. against reservation. N Fwd Dept. 6/26.
42634	7/1	C&R	25111-E?205	30th payment; fwds contractors re reservation.N Fwd Dept.7/3.

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ARKANSAS; TRIALS: PAYMENTS: EXTENSION OF TIME: ETC.

FILE No.		From or To— (Dated)		Subject.	
28778	1/10	NYS	42	Monthly progress of work	
28879	1/10	NYS	44	28th payment; application for Fwd Solicitor 1/12.	
30414	2/2	To NYS		Throttling calorimeter not to be installed.	671--2
31099	2/7	NYS	268	Report of prog. for Jan.N	
31379	2/9	NYS	299	29th payment; application for. N Fwd Solicitor 2/11.	
31954	2/18	NYS	393	Throttling calorimeters for trial trip; states already received and will be unable to return to contractors. N	
33168	3/7	NYS	499	Monthly report prog. work.N	
33561	3/9	NYS	541	30th payment; application for.N Fwd Solicitor 3/13. [illegible] to -- In view of 90% limitation, no pay- ment can be made at this time on 31st,32d and 23d installments.6/12.	
34298	3/20	NYS	651	31st payment; application for. N Fwd.Solicitor. 3/22.	
35808	4/8	NYS	795	Monthly report prog.N	

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ARKANSAS: ELECTRIC PLANT

Number.	Date.	From or To—	Subject.	
429200	6/29 6/27	CO B S Div 6	Req. install telemotor indicator light at steering sheel on steering engines; install additional parts on steering emergency signal system etc L Fwd Operation. 7-3 RB 7/10 To CO- Gives detail action on items. copy to Comdr Bat Div. 6 and I.M. Norf. 7-14	
		1921		
576170	7/21	To CO	Fwds Annual report of Electric Plant Data L	
591496	10/22	To Co	Annual report of Electric Plant Data for 1921 L	121-5
		1921		
602263	12/28	CO	Request material listed be furn for re-wiring water tight doors. L	
618041	4/10	New York	Fwds stores invoices covg various elec'l. apparatus. LK Fwds S&A 4/20	

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N.S.E. Form 134.

ARKANSAS ELECTRIC PLANT 1922

Number.	Date.	From or To—	Subject.	
649603	11/14	New York	And WYOMING Rqsts electric prints be be furnished L N.Y.- Request action 11/28 L To Boston Phila- Norf- Pug Snd- MI- Ask if tracings are on file cc NY 12/7 To NY- unable to locate tracings- gives action taken 12/7 Boston 12/12 No Tracings on file L Phila 12/14 Tracings and vandykes not on file L Mare Isl. No plans on file. 12/16.L 12/15 Pug Snd L	

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ARKANSAS: ELECTRIC PLANT.

Number.	Date.	From or To—	Subject.
			1914
142609	11-28 12-11	CO NY 370-756-2	Submits estimate for elec repairs.L To NY--For recommendations: 12/22 NY discrepancy in approvals 12-22 Fwd Dept-- Comments 12/29 rb 12 31 To NY--Gives work appvd & disappvd.12/31
			1915
152470	4-4	CO	Misc elec work required. L Fwd NY-- For est and rec. 4/19 RB 4/30 Fwd Dept--Recommendations.5/6 RB 5/8 NY T Reqt action 5/6 To NY--(T)Do not undertake relocation.5/7 To NY--Gives action on. 5/6
153761	4-8 4-29	CO NY	Repairs to night signal set, engine room telegraphs, screen speed light controller.L To NY--Gives action on. 5/3
165727	9-11	CO	Elec leads through turret base castings; report on examination.L
173703	12/4	CO	Reqt authority to turn in telephone storage boxes, wire, gyro compass, panel, searchlight controls push button type.L To Navgn--informs of CO's reqt for authority to turn in old type gyrocompass panel 12/16 To--Asks provision made for storing. 12/17
			1916
183906	3/27	CO	15 items of elec. repairs.L Fwd NY-- For est and rec. 4/8 RB 4/26 Fwd Dept--Recommendations 5/4 RB 5/8 To NY--Gives action on. 5/8
197325	8/18	CO	Changes required in connection with Turret Board.L CO further 11/3

N.S.E. Form 134.

ARKANSAS: ELEC PLANT. 121-3

1917

Number.	Date.	From or To—	Subject.
212732	1-22	CO	Alterations; elec; bells, additional tel service, switches for arc set lights on main dect, rewire standing lights, searchligh control, lighting circuit in radio station.L Fwd Dept--Rec appvl. 2/2RB 2-5 To Norf--Appvs ests. 3/19
276161	1-23	C&R	Installed battle signal station ongun deck mechanical control for searchlights.L
338815	8-21	To CO	Rqst inform in connection with Annual report of Electric Plant Data, L Battleship Force Div. 9 - submits further report 9/9

1919

388169	1/10	CO	Install switches - motor generator set - replace circuit breakers - wire anchor lights - L
	To 4:30	Norf.	
	To I.M. Norf- Installation of submersible pump auth. copy to I.M. Ny. 5-6		
	To I.M. Norf- Plans appvd. 5-19		To NY- Lists work auth. 1-31 RB 2;18;19

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ARKANSAS: ELECTRIC PLANT.

1912

Number.	Date.	From or To—		Subject.
85531	12-19	NYS		Omission of 12" powder hoists; fwds revised estimate dec.cost.L
85579	12-18	Bd on Changes,NYS		Omission of 12" powder hoists; dec.cost. N Fwd Dept rec appr.12/20. RB1 3 a'ppd To NYS.appd.1/3.
85580	12-18		ditto	Elec. work changing stateroom to bath. Inc.Cost. Y To NYS appd.12/20.
85585	12-18		ditto	Change in elec. installation magazines; inc.cost. N Fwd Dept rec appr.12/20. RB1 3 a'ppd To NYS. appd.1/3.
85586	12-18		ditto	Elec. work, changes in hawse piping;inc.cost.N To NYS appd.12/20.
				1913
88940	1-28	NYS	137-6910	Elec. plans; reports on distribution. L. Fwd NY.directs check.1/31. RB 2-13 To NY.Fwds addtl prints.2/6.
92234	3-5	NY	370-756-1	Incidental elec. work in connection Hull.L.
92239	3/11	NY		Elec.Galley gear, recommends wattmeters be installed on, to determine amount of current consumed and that vessel be directed to report on efficiency of apparatus 654
92685	3-11	NY	370-756-2	Elec.work in connection additional vent. engine rooms.L.

N.S.E. Form 134.

ARKANSAS: ELECTRIC PLANT. 121---3 1913

Number.	Date.	From or To—		Subject.	
94900	4/14	To CO		Quarterly report of Elec.Plant.Apr.1st: unsatisfactory items. Request be treated in request for repairs and alterations.L Reply.4/15.	
102451	7/28	To CO		Quarterly report: steps taken to remedy defects fire room timing device meters,etc.L	
104752	8-30	NY	370-825-9	Test of turret auxiliaries; fwds report. L	
109919	11-10	TO CO		Reqt. report on original installation , elec. leads running up masts, etc. and if any trouble due to induction from radio.L. CO in good condition 12-11	
112787	12/15	C.O.	1914	List of elec. and forced draft blower work be done by ships force.	121--8
115413	1-17	NY	370-799-1	Elec work; turret system, indicators, additional telephones, switchboard: fwds est.L Fwd Dept.recommendations.1/21. RB 123 To---appd.1/23. Fwd Ord.1/23. RB 126 To Ord. NY to submit estimates on WYOMING. When received instrns will be issued.1/31	
116559	1-24	NY		Changing night signal set; repair helix of radio; reqt JO be cancelled. L To---cancel job order.2/3	
141671	11-28 12-8	CO NY	370-756-1	Overhaul searchlight control; gun circuits, mercury vapor lamps.L. To Via NY--Further information reqtd. 12/11 To NY-- Appvs work under item 1. 1/7	

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ARKANSAS: ELECTRIC PLANT. 1912

Number.	Date.	From or To—		Subject.
64960	3/29	NYS		Electrical installation 12" turrets; concurs with recommendation of Inspector of Ordnance, enclosed.L
64993	3/28	C&R	25315-E.44	Electrical installation in 12" turrets; fwds contractors' plan---satisfactory to Bureau.L
65540	4-5	NYS	817-2313	Changes recommended on account reporting unsatisfactory elec. work on UTAH.L
65945	4-8	NYS	405-229	Casing elec.leads; fwds prints showing location of all casings;recommends all leads all compartments be encased;also those in ammunition passages and handling rooms,etc.not be encased.L
67457	4-26	NYS	469-3329	Fwds prints elec. installation 12" turrets.L
68641	5-9	NYS	528-2112	48 hour test;elec/plant; fwds. L To---Prel.accepted, sugject to 6 mo. guarantee, except as stated.5/16.
69196	5-17	NYS	567-2112	48 hour service test elec.plant; fwds test sheet showing temperature of air in dynamo toom.L Fwd C&R asks what steps will be taken re vent. dynamo room.5-24 RB 7 18 Fwd Dept.7/19.
71198	6-14	NYS	699-6116	Recommends certain elec.work be done after delivery; increase lighting, helm angle indicator, anchor engine, etc.L

N.S.E. Form 134.

ARKANSAS: ELECTRIC PLANT. 121-3

Number.	Date.	From or To—		Subject.	
71196	6-14	NYS	701-6116	Reports defects in elec. installation; recommends changes be made in future ships. L To---Ack·6/17.	
72098	6-23	NYS	772-2112	48 hour elec. service test; contractors agree to make re-test and reqt. authority to borrow necessary instruments from Phila Yard.L To---NY S&A reqst shipment of Sangamo from NY to NYS.6/28.	
74004	7/20	NY	370-660-10	Sangamo watt meter for test of instruments; Due to late delivery of recommends test for accuracy be made with volt and ammeter.L	
80292	10-15	NYS	1194-6910	Record of elec.appliances; reqt.forms.L	
83529	11-25	NYS	1401-73329	12" powder hoist; omission of; dec.cost.L To---& Gen Inspr. Dec cost.12/2.	
83530	11-25	NYS	1400-7297	Magazine cooling; inc.cost due to removal of and re-installation of elec leads.L Fwd Dept.Rec appr.12/2. RR12 appd. To---appd.--To Gen Inspr.inc cost.12/10.	
83617	11-26	NYS	1412-76714	Incidental elec.work in connection with changing hawse pipes; inc.cost. L To---appd.12/5. To Gen Inspr.12/6.	
83618	11-26	NYS	1405-1325	Yard room bath; inc.cost changes in pulls and lights.L To---authorized·12/5. To Gen Inspr. inc. cost.12/6.	

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ARKANSAS: ELECTRIC PLANT:

Number.	Date.	From or To—		Subject.	
47720	9/1	NYS	1019-229	Fwds plans of elec. installation in central wiring passage. L To - approved 9/7	
48733	9/15	NYS	1074-9721	Reqt. chief elecn. be detailed for duty in connection with. L Fwd Vavgn. appd. 9/19	
51274	10/17	C&R		Water tight casing over elec.conduit in bunkers and chain lockers. To Cramps, NYS, fwd C&R. Bu considers unnecessary.	488-3
53855	11/17	NYS	1301-206	Relative to encasing conduit, voice tubes, etc. through coal bunkers and chain lockers.L Fwd C&R for comment.11/22. BB 11-28 To--S.E. interpretation of requirements satisfactory to C&R.11/29.	
55583	12/8	NYS	1389-2329	Leads through watertight plate in turret base; submits print showing method of running. L To--Appd.12/12.	
51108	10/14	Cramps		& WYOMING; gen. wiring, reqt door be cut between distributing room and int.com.room	488--3
56978	12/22	NYS	1447-206	Casings for conduit and voice tubes,etc. to coal bunkers and chain lockers; fwds prints.L	
64931	3/29	NYS	328-2229	1912 Electrical installation 12" turrets.L Ret---4/1 BB 4-8	

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N.S.E. Form 134.

ARKANSAS: ELECTRIC PLANT: 121 -- 3

Number.	Date.	From or To—		Subject.
59613	1/25	NYS	91-92112	48 hour test elec plant; asks if requirements for UTAH will apply to. L To---30784-455-3 of 2/3/11 applies.1/30. To Cramps. Re WYOMING. 1/30.
61553	2-17	NYS	199-6713	Fwds contractors comments on running concealed wiring where sheathing is used; contractors enter objection; Inspector states one example contractor purchasing material before approval of plans. L To---Requirements.2/23. Reqt. telegrahic action.2-23
61839	2-21	NYS	212-229	Re casing elec. leads carrying more than 25 volts. L To---Reqst sketch of all casings.3/5.
61988	2-23	Ord	2535^{0}-12	12" turret; fwds plan covering elec. installation; comments on indicators, lights, voice tubes, etc. L Ret---Fwds copy of 62152-121-3. 3/8. RB 3-18 Ret---Directs arr.similar to WYOMING.3/25.
62152	2-20	NYS	210-2229	12" turrets; fwds plans of elec. appliances; invites attention to arr. lighting fixtures, voice tubes,etc.L To---appd as mod.3/8. To C&R.Reqst similar changes on WYOMING. 3/8. RB 3-12 Fwd C&R.Fwds print.3/13. RB 3-20 Fwd C&R,fwds print.3/22. To---Instructions.3/25. To---instrns--hoist signals.4/6.
63368	3-9	NYS		Fwds print showing elec.leads back of casings and quarters on super-structure deck.L To---appd.3/12.
63730	3-15	NYS	706-671-3	Quarters on super structure deck;fwds b/p.L

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ARKANSAS: ELECTRIC PLANT:

FILE No.		From or To— (Dated)		Subject.
32543	2/25	NYS	228-2812	D.P. 5-amp. switches and recepticals; relative to making changes in. L
40137	6/1	Ref TO NYS		Orders for elec. material, searchlights, switchboards &c. States do not show that plans have been approved.S. RB 6-6
42018	6/22	NYS	278-229	Fwds prints showing electrical installation inccentral wiring passage. L To -- Apprd as mod.7/6.
42433	6/27	NYS	796-229	Fwds prints of elec. installation of central passage. L To -- Apprd as mod.7/6.
43376	7/10	NYS	849-222	Fwds prints showing elec. installation in central wiring passage.L.
43377	7/10	NYS	850-229	Ditto. L
43605	6/19 7/13	Pug.Sd C&R	2234 1805-E.116	VOID

NB—0120

ARKANSAS INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
648393	11/3	Atl Fleet	Recommends 3" anti-aircraft guns be installed during coming overhaul period L	
648281	11/6	To CO	Ship's Service Telephone- Auxiliary source of power- Reqsts inform L CO ARKANSAS 11/14 Gives name plate data L	
639144	11/22	NY	Will remove 1 service telephone switch board for installation on ARKANSAS LY	121-8
642174	12/4	Atlantic Fleet	Fwds letter from CO ARKANSAS rel to alterations to Cory transmitter of time firing device. L	~~131-4~~

121-4

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ARKANSAS INT. COM SYSTEM 1922

Number.	Date.	From or To—	Subject.	
651699	12/2	To Inspr mat boston	Repairs to forbes log- sub signal Co-manufacturers- gives instrns L	
653734	12/6 12/15	CO Atl Batt Force	Rqsts auth to turn in 5" ammunition order indicators not used L	
654275	12/19	Ordn.	Rel to numbering and grouping of addtl 3 inch AA guns. Fwds NT ~~CC~~ Ordn 12/28	

4—3381

[OVER.]

121-4
ARKANSAS INT COM SYSTEM

1922

3/1

Number.	Date.	From or To—	Subject.
618941	4/19	Fwds CO	Time Firing Device, cc Div 5- Comdr Battleship force L RB 5/3/22 L Fwds CO 5/6 RB 5/12 L
620065	3/3 4/21	CO C&R	Request voice tube installed in accordance with specifications to be issued on arrival of vessel at Yard L Fwds C&R 4/29
623612	5/13	C&R	Copy of letter to New York Auth alteration to voice tubes. L
625385	4/28 5/25	CO Navigation	Request auth to install Pelorus & gyro repeater on flag bridge L Fwds Operns 6/6 RB 6/20 L Fwds USS ARKANSAS via NT Atl Fleet 7/1 L cc Atl Fleet, Navign, NY

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N. Eng. 134

ARKANSAS INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
637561	8/7 8/11	CO Atl Battleship Force	Alterations to target turret transmitter completed. L	
639079	8/24	To S&A 854	Rqsts shipmt of Batteries from Phila to ARKANSAS L	607
645779	9/26 10/16	CO N.Y.	Request repair Forbes log. L	
648325	11/3	NY	Copy of letter to Ordnance requesting instructions rel to installation of target designators L	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
1 615443	3/6 3/24	CO Atl.Fleet	Request install battery cease firing gong contact makers as listed. L To CO via C-I-C Atlantic Fleet Instln disapproved 3/29
615757	3/4 3/25	CO Atl.Fleet	Request install modern time firing transmitter and 6 receivers. L Fwd Phila cc CO 4/1 RB 4/13 L
615758	3/4 3/25	CO Atl.Fleet	Request install modern ships service telephones switch bard. L To CO Instln disappvd cc Div 5- Comdr Batlship Force-C-I-C Atl Fleet 4/7
616133	3/6 3/30	CO Ord	Reqt install two battle order visual transmitters at primary torpedo control station. L To CO Instln disappvd cc Div 5- Comdr Battlship Force- C-I-C Atl Fleet- Ordn 4/7
616145	3/6 3/30	CO Ord	Reqt instal concentration indicator system to plotting room and fowd and after dials. L To CO Instln disappvd 4/7 cc Div 5- Comdr Battleship Force- C-I-C Atl Fleet- Ordn 4/7
616141	3/6 3/30	CO Ord	Reqt install target bearing transmitter in fire control tower. L To CO Instln disappvd cc Div 5- Comdr Battle-ship Force- C-I-C Atl Fleet Ordn 4/7
616140	3/6 3/30	CO Ord	Reqt install two target bearing transmitters at primary torpedo control station. L To CO instln disappvd cc Div 5- Comdr Battle-ship- C-I-C Atl Fleet- Ordn 4/7

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ARKANSAS: INT COM SYSTEM. 121 - 4

Number.	Date.	From or To—	Subject.
616139	3/6 3/30	CO Ord	Reqt instal target angle indicators and transmitters in both tops and in plotting room. L To CO Instln disappvd cc Div 5- Comdr Atl Fleet- C-I-C-- Ordn 4/7
616138	3/6 3/30	CO Ord	Reqt complete install of range and deflection indicators in turret officers booths. L To CO Instln disappvd cc Comdr Battlship-C-I-C Atl Fleet- Div 5- Ordn 4/7
616137	3/6 3/30	CO Ord	Reqt instal target designator from range keeper in plotting room to target bearing transmitter in each top. L To CO Instln disappvd cc Div 5- Comdr battleship C-I-C Atl Fleet- Ordn 4/7
616136	3/6 3/30	CO Ord	Reqt install battle order visual receiver at torpedo tracking room. L To CO Instln disappvd ccDiv 5- Battleship- C-I-C Atl Fleet- Ordn 4/7
616135	3/5 3/30	CO Ord	Reqt install auxilliary traget bearing transmitter in plotting room. L To CO Instln disappvd cc Div 5- Comdr Battleship Force-C-I-C Atl Fleet - Ordn 4/7
616134	3/4 3/30	CO Ord	Reqt install add'l secondary defense contact makers for cease firing gongs. L To CO Instln disappvd cc Div 5- Comdr Batlship-C-I-C Atl Fleet- Ordn 4/7
617275	3/6 4/6	CO Dept	Request install fire room emergency circut L To CO Instln disappvd cc Div 5- Atl Fleet- NY- Operns 4/11

4-3381

[OVER.]

ARKANSAS: INT COM SYS 1920

Number.	Date.	From or To—	Subject.	
506166	7-21	To Pug Snd 647	Gives list of appvd changes by 1919 ship Bd's control report for vessels listed CC CO's- C -I- C Pac Fleet L.	
	see 131-4	card 27		
487416	7-20	ARKANSAS	Have requested Phila yard to furnish plan of indicator panels; L	689-12
531512	11;27	C&R	Evershed and Chadbourne control-fwds prints.L	
~~9~~ 558676	4;16	NY	Request expedite action and approval of Cory drawings showing ic switchboard.L ~~To CH Disappvd~~	
559482	~~4;22~~ 4;23	CO C&R	Request standardized voice tubing in 12 inch turrets.L Fwd Pug Snd 4/30 RB-6;14-L Tracer RB-6;28-L C&R-Reqt action-6;9-L To C&R Gives action 6/17 Fwd C&R 6/25 RB 7/5	
558696	4/18	CO	Reqst new type Western-Electric fire control telephones L To CO Disappvd 4/26	
568030	6/10	To Pug Snd	Authorizes Instln of auxiliary current supply for broadside director follow-the Pointer sysrem cc CO's WYOMING ARKANSAS NEW MEXICO MISSISSIPPI IDAHO TENNESSEE C-I-C Atl Fleet Y	562-4

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N.S.E. Form 134.

121-4:ARKANSAS: INT COM SYS:

Number.	Date.	From or To—	Subject.
572114	6;28	C&R	Copy of telegram to Pug Sd disapproving alterations to turret voice tube. L
583629	8;19	CO	Reqt increase in allowance of fire control telephones-L To C Gives Change in Allow- cc SO- CO(s- Ly To CO Gives change 9 cc SO- Yds 9/24
600054	11/21 12/10	CO Atl.Fleet	Request auth to rewire water tight fire alarm system- L To Atl Fleet Grants Authority cc CO- NY 12/21
NY Eng Rqn 48 12/10		To Inspr mat Boston	Repairs of Forbes Log equipment Gives Action rel cc Sub Signal Co Boston- Boston- NY LR
		1922	
615441	3/6 3/24	CO ARK/ Atl.Fleet	Request install cease firing gong in plotting room. L To CO via C-I-C Atl Fleet instln disappvd 3/29 To CO via C-I-C Atl Fleet instln disappvd 3/29
615442	3/6 3/24	CO At:Fleet	Request install fire control telephones circuits from secondary battery control wsystem. L

4—3381

[OVER.]

ARKANSAS: INT COM SYS

Number.	Date.	From or To—	Subject.	
430702	6/16 7/5	CO Ordn.	Subm recommendations rel to reduction of work and install follow-the-pointer system and range keepers. L. Fwd I.M. Norf.7-11	
447085	9;23	Pug Sd T	Request authority to assist ships force on rearranging instruments on switchboard on WYOMING AND ARKANSAS.L To (T)- Auth granted assist ships force ARKANSAS and WYOMING rearrangement plotting rooms.	9-24
449234	9-29	Pug. Sd.	Rqst status of job orders covg fire control changes. To- Gives status of job orders. 10-7	L
449888	10;2	Pug Sd	Request instructions in connection with additional fire control telephone for WYOMING & ARKANSAS To Comdt Pug Sd- No changes to be made in present fire control telephones pending receipt of report from board appointed by C-C PAC FLT to investigate and recommend changes on WYOMING & ARKANSAS.10-11	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
453727	10-23	C&R	Copy of letter to Pug Sd fwdg print showing proposed arrangement of searchlight and torpedo defense platform with detailed comments.	L
461894	12/6	Battleship Div. 6 Copy	Reqst turret 5 be specifically designated as controlling turret WYOMING & ARKANSAS - L Ord-have issued orders to Pug Sd-12;18	
463407	12;15	Ord	Copy of letter to Pug Sd stating material issued for No.3 turret for control purposes will be used in fitting No.5.turret.L To Comdt Pug Sd- Incidental elec work auth. copy to PAC FLT WYOMING ARKANSAS 12-17	
463453	12;15	C&R	Copy of telegram to Pug Sd authorizing necessary alterations to voice tubes on ARKANSAS & WYOMING to permit turret fire to control after group.L	
		-1920-		
471231	1/15	CO	Battery for gun firing and I C motor generators - asks if vessel will be supplied with - L To S&A- Reqt shipment storage battery and circuit breaker from Norf to Pug Sd. 1-28 RB 1/31/ S&A-3;8 Fwd S&A. 3-15	
~~415~~ 4821572	3;29	Pug Sd	Submits estimates covering constrn of new bridge for NY ARK AND WYO.	131-4

ARKANSAS: INT COM SYS.

1919

Number.	Date.	From or To—	Subject.
394940	2/13	Norf	Plotting room - rearrangement of instruments - fwds prints - L To CO- Fwds prints for changes to be marked. 2-26 copy to Norf. 2-26
395206	2/15	C&R	Copy of letter to NY and Norf fwding print showing rearrangement of plotting room - L
397828	2/12 2/25	CO C&R	Voice tube work in connection with replace - ment of 5 inch guns. Fwd C&R. 3-12 C&R copy of let. to Norf. auth work 3;21
401341	2/16 r 3/10	CO C&R	& WYOMING - submits summery of work necessary to enlargement of plotting room - L To I.M. NY & Norf- Work of shifting steam lines appvd. copy to WYOMING ARKANSAS Bat. Force 2- Bat.Div. 6 and C&R. To I.M. Norf- Calls attention to Bu letter of 4-1 for informat n desired. 4-2
402431	3/13	Norf	Sperry fire control system - asks if intention to omit target bearing transmitters - L
403216	3;8	CO	Req. install buzzers, telephone check boxes etc at guns ; alter buzzer circuit etc L Fwd Operation via ordnance. 3-22 RB 6/9 To Operations via Ordnance. Inform when may expect reply to 3-22nd. 5-3 Ordnance 6/3 Fwd Ordnance. 6-12 RB 6/16 To CO- Lists action on items. 6-12 copy to I.M. Norf.
403707	3;18	C&R	Copy of let. to Norf. fwding print showing enlargement of plotting room L

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N.S.E. Form 134.

ARKANSAS: INT COM SYS

1919

Number.	Date.	From or To—	Subject.
404456	3;20	Norf.	Torpedo Defence Salvo Signal sys. switch alterations fwds prts D
404844	3;22	Norf	J. W. outlet in tpdo. room fwds wiring diagram L To- Plans appvd. 3-27
404889	3/22	Norf	Sperry fire control and poor range keeper system - fwds prints - L To- Plan appvd. 3-28
410093	4;5	CO	Rearrangement of plotting room instruments fwds prts L To CO- Action on plan withheld pending receipt of 1919 Fire Control Board's report / copy to I.M. Norf. 7-9
414212	4/25	Norf	Sperry fire control and Ford range keeper system - fwds prints - L To- Plan appvd. 5-3
415745	5:1	Norf Fwd Ordnance. 5-7 RB 5:12 Fwd Ordnance. 5-15 RB 5:17 Fwd I.M. Norf via Ordnance and Operations. 7-19 - RB-7;29	Req. prints of elementary wiring diagram drawings instruments L Fwd CO 5-26 RB 7/5 To CO-Reqts copy of your letter of 12-6-18. 7-8 RB--7;22 Fwd I.M. Norf via Operations.7-31

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1919

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ARKANSAS: INT COM SYS.

Number.	Date.	From or To—	Subject.
382057	12/5	CO	In connection with enlargement of plotting room - recommendations for - L
382981	1;6	Norf.	Ammunition supply indicator cystem fwds pts L
383997	1;9	C&R	Copy of endorsement to Norf. fwding. plan showing proposed alterations to plotting room L
384016	1;8	Submarine Signal Co	Reqst. auth. to make insp. and repairs to Forbes Log installed on L
393388	2/7	Sub. Signal Co	& FLORIDA - fwds inspection blanks - LC

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N.S.E. Form 134.

1919

ARKANSAS: INT COM SYS. 121 - 4

Number.	Date.	From or To—	Subject.	
384278	12/5 1/10	CO C&R	Install new voice tubes and incidental SE work in connection with C&R alterations - L To C&R re alterations- recom on items 1-14	
385209	1;11	Nor.	Confirms phone conv. listing parts need to repair Forbes Log signal Set L	
384065	1-11	To CO phone	Comments re reqst for repairs to-	
382981	1-14	To Norfolk	Approves plan 5499-B, re turret ammun indicator system for subject to omitting words "Central station" and Conning tower" Norf - fwds prints ammunition supply indicator system - 1/31	
Bu 1101	1-17	To Com Off Ark.	Request prepare reqn for repair parts.	
390406	1;30	Norf	Fwds print showing fire control telephone L To Norf- Plan appvd. 2-5	
391379	1;23 2;3	NY C&R	ARKANSAS & WYOMING enlargement of plotting room fwds print showing L Fwd C&R. 2-12copy to Ordnance.	

ARKANSAS: INT COM SYS.

Number.	Date.	From or To—	Subject.
321285	6/26	CO	Request wire broad side telephone corcuit and broad side salvo system from contact maker. To C O (T), approved, 6-28 To C O, alterations, approved6-29 Fwd Atl Flt, 6-29 R B 7/10
321370	6/27	Ordn	Copy of letter to Norf authorizing installation of training receivers on broad side director firing - L
323910	7-9	To S&A	Rqst shipmt telephone set from Hampton Roads to Norf. L RB 7-19
325085	7-11	To Norf. (T)	Storage batteries authorized L Norf 7-15
326354	7/13	Norf	Confirms telephone conversation asking if tops of war ships would be omitted from ARKANSAS only - request small side lamps for - L
332997	8-1	C&R	Modernized bridges - fwds print. L
337298	7/9	NY	Relative to shipment of Sperry & Ford instruments - L

N.S.E. Form 134
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ARKANSAS: INT COM SYS

Number.	Date.	From or To—	Subject.	
339564	8/20	Ordnance	Alterations to plotting room - L Fwd C&R 8-23	
341124	8-27	To CO	Comments and recommendation are desired re fire control telephone cord L	
343260	8/29	Norf	& OKLAHOMA - plotting indicator - fwds plans - L To Norf. Plans listed approved, 9-11	
343487	8/20 8/31	Norf C&R	Pneumatic tube installation - fwds print - L Fwd C&R, 10-10	
348210	19-13	Norf.	Switch board addition and current supply for broad side director follow the pointer system. L	
352696	9;30	Joint Corp.	Back 9 L To CO Re enlargment of plotting room 10-14 Fwd C&R via Ord. 10-11 C&R Dec. 4 - Copy of letter to NY and Norf. authorizing work	
354245	9-30	Norf	Additional plotting indacators fwds print L	
341124/11/10/4		CO ARKANSAS	??????????	
365072	11;2	Gunnery Excercises	1st torpedo offense submits report on material L To-- report of Material, 11-9	

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[OVER.]

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1918

ARKANSAS: INT COM SYS.

Number.	Date.	From or To—	Subject.
290022	3-16	CO T	Forbes log - request Submarine Signal Co's representative re. L Sub Signal Co - will have Mr Vaux calibrate log - 3/21 - L To Sub Sig Co(T)- Send representative on board Sunday March 24th to calibrate Forbes Log. at New York? 3-20
295286	4/3	Sub Signal Co	Callibration of Forbes log very satisfactory-Y To Ordnance- Installation of Forbes Log is proceeding in a satis manner. 4-10
297008	4-20	To Bu Ord	Range and deflection visuals for plotting room only on ARIZONA; there are two visuals installed on PENN. Instr will be issued to N.Y. authorizing wiring for plotting room visuals only L
271816		CARD 23	CO - Submits report of loud speaking telephones to turrets - Cory type. 5-28

4—3381

N.S.E. Form 134.

121 - 4 ARKANSAS: INT COM SYS 1918

Number.	Date.	From or To—	Subject.	
316064	6-6	CO	Request ear cushions for UTAH type telephone. L Fwd C O Via, Force 2, and Div 8, 6-21	
316213	6-9	Atl Fleet Force 2	Fwds rough sketch showing dimensions and arrangement desired in flag officers plotting room. L	
316425	6;12	Inspr Lake WRONG ENTRY	Fwds contractor's reqts for 19th and 20th payment. K	
316427	6;7	C O	Submits monthly report. L	
318121 Ordnance - Copy of telegram to Norf stating broadside director gear shipt June 21st.	6-18 6-22	Dept	Copy of telegram to Norf and Atl Fleet stating ship will be made available at Norf at once for installation of Broadside director system. L Phone Norf. Commenting on status of elec work 6-22	
N Y 4353	6/20	To Co Arkansas	Having this order of ear cushions expedited. Ls	629
320256	6-24	To C O	confirm telephone conversation reshipmt ear cushions L	

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[OVER.]

ARKANSAS: INT COM SYS.

1917

Number.	Date.	From or To—	Subject.	
251643	9/20 9/27	CO C&R	Alterations to voice tubes - L Fwd C&R- Recommends that permanent voice tubes be installed. 10-5	
257118	10/26	Norf	Fire control changes, telephone and salvo - fwds prints L	
267230	12/13	Norf	Turret ammunition indicator system - fwds print L	
267764	12-14	CO	Wire plotting indicator.L To- Alteration not condiered practicable.	12-27
267345	12-13	Phone NY	PENNA & ARKANSAS. Yard reqted permission to install wiring on, for system for sending the director connection to the plotting room automatically. L	647-1
268894	12/21	NY	Broad side director follow the pointer system - fwds prints - L To (T)-plans appvd. 12-22	
271024	12/24	CO	5 inch motor and auxiliaries removed and turned in at NY.L	

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N.S.E. Form 134.

121 -- 4 ARKANSAS: INT: COM : SYS:

Number.	Date.	From or To—	Subject.	
271816	1-8	To NY & CO	Loud speaking telephone. Auth granted to purchase one Callophonentype. L-Y To Co- eqts furnish report on action	CARD 24
CO - L 4-1 provided for by loud speaking phones is good results. L & Y 5:2		plotting rooms and turrets, C O loud speaking tel. 2 turrets giving To CO-Inor if communicati n bewteen	loud phones. 2-20 & NY preferable. other types. NY - Fwds plan wiring for callophone and Cory forms. L 2-23 NY - installation not yet complete 2/25 - L	5-15
273908	1/8	NY	Request additional interior communication storage battery - L To- 1-23	
277024	1-24	CO	Requests automatic dead reconning instruments.	
278975	2-6	To ARKANSAS	Radium luminous paint for application to bridge instruments. Directs hold tests of. L 757	
279355	2-7	ARKANSAS	Chas Cory & Sons-Fwds report of their representative on inspection of speed indicator system on the ARKANSAS	665-7
282829	2-16 2-18	CO Atlantic Fleet	Wiring for spares - tracer. L Fwd NY- 2-20 R B 2/27 - L	
286464	2-25 3-4	NY C&R	& WYOMING - broadside director firing - fwds print. L Fwd Ordnance. 3-12	

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[OVER.]

ARKANSAS: INT COM SYS. 1917

Number.	Date.	From or To—	Subject.	
219648	1-22 2-8	CO At Flt	Submits proposed ship control indicators -plan; asks authority to install; C-in-C recommends against until after present installation is given thoro trial. L To--Disappvs.4/5	
220633	3-30	NY	Director control firing system;plan:L	
226848 To--Appvs est.6/12	5/7	To Norf	Engine order telegraph system. Auth install of on. Reqt plans and ests.LY Norf - submits estimate 5/28 L To Norf--Directs revise ests.6/1 Norf - submits estimate 6/8 L	
227155	5/4	CO	Electric engine order telegraph - request authority to retain one installed by ships force as an auxiliary L Fwd Atl Flt--For comment and rec.5/11RB 5-26 To NY--Reqt ests and plans covering install.6/1 To Norf--Ditto.6/1	
225208	5-7	To NY WYOMING	Install of electric engine order telegraph system appvd for. Reqt plans and ests.	488-4
Bu 21	6/1	To NY	Ask number of contr on which Type HBB telephones for and PENNA were purchased. LR	

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N.S.E. Form 134.

ARKANSAS: INT COM SYS.

Number.	Date.	From or To—	Subject.
238075	7/9	CO	Storage battery for gyro compass installation - request L Fwd Navgn--7/16
239586	7/19	Norf	& NEVADA engine order telegraph system - fwds prints L To--Plans appvd.7/23 Norf - fwds prints 8/6
241176	7/27	CO	Reports on status of fire control telephone L To--8/6 CO request authority to retian 20 of the best fire control telephones now on board 11/5 To- efer reqt to Comdr-in-Chief. 11-13
241866	8/1	Norf	Target bearing target turret and multiple indicator system - asks if to be done by ship's force or Yd L To--Gives action.8/7

NB—0120

[OVER.]

ARKANSAS: INT COM SYS.

16

Number.	Date.	From or To—	Subject.
205411	11-6 11-13	NY C&R	& WYOMING: voice tube changes; Fwd C&R--11/22
205985	11-18	C&R	Additional voice tubes for fire control.L To--Rec disappvl. 11/28
207485	12-4	CO	Request reconsideration disa proval of voice tubes.L Fwd C&R--12/12 C&R copy of indorsement to NY 12/13
207230	12/6	To NY	Directs examine shaft revolution indicator and report and rec be submitted in regard to same. L CO fwds data requested 12/26
207657	12/7 Fwd Ord--For comment. 1/30RB 2-16 Fwd Ord for further information 2/20 RB 2-27 Fwd NY--3/10 RB 3-17 To Ord--Fwds duplicate prints of Ordnace Drawing 53674. 3/23 To NY--Acknowledges drawings.3/23	To NY	ARKANSAS. Bu Directs get in touch with manufrs and purchase 12 relays suitable for operating director firing system on 15 volt A.C. transformer secondary of gun firing transformers in the turrets of. LY NY fwds print 12/11 To--Appvs plan. 12/20 NY fwds wiring diagrams 1/19
207997	12-8	NY	New fire control instruments being furnished by Sperry Co. will not be supplied in time for installation during present overhaul.L Fwd Ord--12/13 RB 12-16

N.S.E. Form 134.

ARKANSAS: ?INT COM SYS. 121 -- 4

Number.	Date.	From or To—	Subject.
208040	12/9	To Sperry Co	Reqt copy Vandyke tracing plan 24929, as finally appvd for use on. L Sperry Co fwds vandyke 12/14
209830	12-6 12-21	CO NY	Relocate interior communication panel.L Fwd C&R--Rec appvl. 1/2 To NY--Appvs est. 1/2
210646	12-26 1-5	NY C&R	Fire control voice tubes; apparent duplication.L Fwd C&R--1/11
210925	1-6	NY	Sperry fire control system; fwds modified plan
211471	1-10	CO	Telephone field sets; have only one set on board; 2 shipped via HANCOCK for OLYMPIA. L Fwd S&A--Noted. 1/18
213597	12-28 1-29	CO At Flt	Fwds description and plans of proposed ship control station indicator which they desire to test; Fleet commander recommends against until present installations are given thoro trial (New card - Indicators, ship control) To via Atl Flt--Plan feasible, will take up later if reports show system necessary. 2/12

1917

NE—0120

[OVER.]

ARKANSAS: INT COM SYS.

1916

Number.	Date.	From or To—	Subject.	
187059	5-5	NY	Director firing system; wiring diagram. L To-- Appvs. 5/10	
186882	5/1	NY	Voice tube changes required by fire control report; fwds	488-4
186823	5/5	To NY	Auth incidental elec work in connection with shafting of bulkhead between plotting room and sub	488-4
187360	5/9	C&R	Enlargement plotting room	488-4
190731	5-18 6-3	NY Dept	& WYOMING; alterations to flying bridge; work auth. L Fwd C&R--Noted, 6/21 To NY--Reqt estimates covering SE changes. 6/21	
193692	7/15	NY	& WYOMING; alterations to ~~lightning~~ flying (?) bridge; fwds plans and estimates. L Fwd C&R--Fwds plan for comment. 7/18 RB 7/26 To-- Appvs. 7/28	
194196	7/15	CO	Elec engine room telegraph indicators; fwds description of apparatus installed by ship's force, designed by Chief Mach. R. S. Nourse. L Fwd Atl Flt--For comment and rec, 7/26 RB 8/11 Fwd Dept 8/31 RB 9/5	

N.S.E. Form 134.

ARKANSAS: INT. COM. SYS. 121 — 4

Number.	Date.	From or To—	Subject.	
194204	7/21	C&R	& WYOMING; voice tube changes required by fire control board:fwds print.L Retd— Change satis. 7/25	
194508	7-25	To CO.	Telephone storage boxes; re stowage of. L	
196424	8/5	CO	Request pneumatic tubes between main radio room and flag office, for delivery of radio telegrams.L&W Fwd C&R—Rec tubes be installed. 8/15 RB 9/22 Fwd C&R—9/29	
197546	8-24	TO NY	& WYOMING; engine revolution telegraph system; re installing motor tube. L NY sbmits estimate 9-8 Fwd Dept—Rec appvl of. 9/13 RB 9/15 To NY—Appvs installation. 9/19	
199785	9/18	NY	Fire control changes; fwds plan. L	488-4
203451 p	10-19 10-24	NY C&R	& WYO; torp defence stations.L Fwd C&R—10/30	
205231	11-10	NY	Request instructions relative to removing engine revolution telegraph instruments from conning tower.L To—Will be removed from. 11/15	
205238	11/10	Ord	Turret firing; new instruments for training turrets in connection with director firing; recommends Sperry instruments on ARK be modified for test	647-5

NB—0120

[OVER.]

ARKANSAS: INT COM SYS:

Number.	Date.	From or To—	Subject.	
175954	1-11	To Cory & Son.	CO submits recn for 2 spare gears for the shaft revolution indicator system; states gears stripped after short time in use; reqt matter be investigated. L Cory & Sons comments 1-13	
177734	1-31	NY	Cory averaging revolution indicator; request Bu's file numbers for. L	
	2-7	To Ports.	Recn 1118; ship's service tlephones; re non-watertight ringers for. L-R	
181074	3-1	Ord	Directs replacement of 12" guns. L Fwd Dept via C&R-- SE work auth. 3/9 To NY--SE work authorized. 3/9	
182917	3/27	To Nav	Bu has reqtd NY to submit plans and estimates covering changes in fire control system; will involve installation of one repeater compass; asks if Bu will furnish instruments 488-4	
183167	3-29	NY	Shaft revolution indicating system; Cory type; submits suggestions for installing. L To--Appvs rec to remove shafts and install gears and silent ch in. 4/1	
183174	3-21	CO	Relocaton of instruments in plotting room. L Fwd C&R-- 3/31 RB 4/4	

N.S.E. Form 134.

ARKANSAS: INT COM SYS. 121-4

Number.	Date.	From or To—	Subject.	
183510	3-22	CO	Torpedo defence; requirements for.L Fwd C&R--4/10	
183803	4/4	NY	Director control and firing systems; fwds general wiring plan.L	
183799	3/26	CO	Reqt authority to turn in telephone apparatus.L To-- Auth to store. 4/5	
184708	4/12	CO	Megger testing set; reqt.L	
184888	4-15	NY	Turret teltale and danger zone system; reqt authority to remove.L To--Appvs. 4/18	
185220	4-28	NY	Director control and firing system; plan and estimate.L To-- Appvs with modi. ~~4/2~~ 5/1 NY revised wiring plans/ 5-11	
186203	4/27	NY	Fire control changes; plans and estimates	488-4
186307	4-28	CO	Telephone stowage boxes; reports excess number on board.L To--Bu has prepared reqn for 15 portable leather boxes for; appvs turning boxes into store. 5/4	
186412	4/19	Plotting Room Board	Enlargement of plotting room	131-4
186445	5/1	C&R	Enlargement of plotting room	488-4

NB—0129

[OVER.]

1915

ARKANSAS: INT COM SYS:

Number.	Date.	From or To—	Subject.	
147615	2-18	To NY.	Turret local fire control and gun firing system; rect plans and estimates for. L	
147629	2-18	To Ord.	Turret local fire control and gun firing system; have rectd NY to submit plans and estimates for. L Ord Satis 2-25	
148845	3-3	NY	Turret train warning signal system; est inc cost.L	
149250	3-6	NY	Turret local fire control and gun firing system; plans and estimate.L Fwd Dept-- Rec appvl. 3/11 RB 3/18 To Ord-- Fwds plan for comment. 3/11 RB 3/18 To Via Ord--Appvs installation. 3/24 To--Fwds modified plan. 5/26	
150742	3-17 3-26	CO Ord	Rect reconsideration of disapproval of items on survey; voice tube between rammerman and turrets, and sight setters turrets.L Fwd C&R-- Recommendations. 3/31 RB 5/10 Fwd Ord--Rec modifications in. 5/11 RB 5/22 Fwd C&R-- 5/24 RB 5-24- 6-2 Fwd S&R-7/15 Fwd Dept-- Noted. 6/4 RB 7/15	
151243	331	NY	Turret local fire control and gun firing system; fwds wiring diagram.L To Ord-- Fwds vandyke of 4/5	
151499	4-5	To CO.	Cease firing gong system; rec be divided into two groups, one for turrets and other for broadside guns. L	
406	3/20	Cory & Son	Revolution indicator system; agrees to change without change in cost	629

N.S.E. Form 134.

ARKANSAS: INT COM SYS. 121-4

Number.	Date.	From or To—	Subject.
153476	4-4 4-19	CO C&R	Reqt additional fire control voice tubes.L Fwd C&R--Recommendations 5/6
154848	4-13	NY R	Reqt authority to install rudder indicator of motor type. L Fwd Dept--Rec disappvl of. 5/13 RB 5/15 To--(R) Disappvs. 5/15
156315	5-28	CO	Reqt authority to turn in combination shaft revolution indicators.L Fwd NY--Appvs; call survey on. 6/1
156976	6-5	NY	Turret local fire control and gun firing sys: fwds print wiring diagram.L
Reqn 78	7-14p	To NY.	Reqn 78 covering material for turret local fire control system; reqt work be held up pending new system now in course of development. L-R
162539	8-4	To NY.	Turret local fire control and gun firing system; fwds print for use as guide in preparation of plans of. L To N.Y. gives dat re Cory 8-10
162596	6/16 8/4	CO Ord	Director firing, wiring diagram; reqt.L Fwd NY--Reqt estimates covering cost of installation. 8/9 RB estimates 8/20 TO NY appvd 8-20
175817	1-7	NY	Cory average recolution indicator; fwds tracing showing installation.L To--Ack receipt of. 2/3

NB—0120

[OVER.]

ARKANSAS: INT COM SYS.

1914

Number.	Date.	From or To—	Subject.
128749	5-25 6-14 6-29	Cory & Sons CO NY 370-655-2	Rudder angle indicator transmitter defective: Recommends new transmitter with enlarged contact surface be purchased.L To CO & NY. reqn has been submitted for.7/20.
137041	8-20 10-5 10-14	CO NY 320-665-2 Navgn	Duplicate master compass; installation of second; reqt recommendations; location in forward distribution room. L To NY-- Instructions. 10/15 Fwd C&R-- Instructions have been issued.10/16
138505	10-29	NY	aster gyro compass; duplicate; fwds plan.L
139841	11-16	CO	Reports shipment of fire control telephone transmitter to H-C Co. L
140007 VOID	11-19	NY	Target bearing, torp firing and optical range finder systems, fwds wiring diagrams. L
140990	12/2	NY	Modification of conning tower, incidental work in connection with.L
140996	12/2	NY	Estimates for incidental SE work in connection with C&R removing present conning tower foundation plates.L To--(R) Appvs. 12/3
141464	11-30 12-7	CO C&R	Install voice tube with call bells between flag, bridge and flag ~~liets~~Lieuts room. L Fwd C&R-- Rec appvl. 12/10 To NY--Instructions. 12/10 Fwd C&R-- Bu has appvd. 1/16 To NY--Appvs. 1/16

N.S.E. Form 134.

ARKANSAS: INT COM SYS. 121-4

Number.	Date.	From or To—		Subject.
142277	12-14	CO		Reports fwdng transmitter button fire control telephones to H-C Co. L
142678	12-14	NY		Conning tower; re-location of instruments; estimate. L To-- Appvs. 12/23
143041	12-18 12-24	CO Navgn		Gyro compass; recommends duplicate master compas be installed in central station.L. Fwd NY-- 12/28
			1915	
143437	12-30	NY	370-655-10	Shaft revolution indicators; submits report on Cory type; states not suitable for use on ships of Navy. L To--Regt estimates for installing differential gearing on shafts. 1/4
144460	1-13	NY	21-704	& UTAH; shaft revolution indicating system; submits detailed list of gear,etc. required. estimate.L Fwd Dept--Rec appvl. 1/15 To-- Work auth. 1/27
145176	1-15	CO		Reports return of modified telephone from H-C Co. Satis.L
145674	1-27	NY		Conning tower; relocation of instruments; fwds sketch showing.L. To--Appvs with modi. 1/30 To Ord-- Fwds print for comment. 1/30
146105	2-1	Ord	6668-260	Conning tower; relocation of instruments.L To NY--Fwds Bu Ord comments. 2/5

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[OVER.]

ARKANSAS: INT COM.SYS.

Number.	Date.	From or To—		Subject.	
			1913		
113323	12-22	CO		Fire control telephones; reqt. work be taken in hand immediately.L To H-C Co.expect to begin work about Jan. 15th. 12/24	
113912	12-19	CO		Reqt new pipe line for operating Cummings Engine Room Counter on bridge using larger size pipe. Cummings instruments has operated satisfactorily. Y	
			1914		
115434	1-7 1-17	CO NY	370-670	Change voice tube communication with engine room and bridge from quarter deck. L Fwd C&R.approves cancellation of Job Order 2-A-123. 1/20.	
115413	1/17	NY		Elec. work, indicators, telephones, switch-board,	121--3
115656	1-20	CO		Fire control telephone; reqt. modification be undertaken at once.L	
114760	1/20	To CO via S&A		Fire control telephones; directs shipment to H-C Co.for change of type.	647-10
115681	1-19 1-22	NY C&R	28493-E.42	Modifying lead of 4" voice tube between range finder and sub-central sta.L Ret C&R.1/23	

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N.S.E. Form 134.

ARKANSAS: INT.COM.SYS. 121-4

Number.	Date.	From or To—		Subject.	
115874	1-24	Ord	26668	Aylward range and deflection instruments not satis: reqt. number of wires be increased to 27 for Cory instruments. L NY (T) can install before ship leaves 1-24 (T)to NY.asks if can install before ship leaves hard.1/24. To Ord.Have telegraphed NY. 1/24. To NY & Ord.Installation of wiring authorized.1/26. Memo for Dept.request NY be given auth.to purchase material from Cory.2/4	
116432	1-27	NY	370-960-6	Shift voice tube pand; officer of the deck.L To---cancel job orders item (51) 2/2	
116779	1-29	NY	320-799-3	Additional work required on telephone installation and target turret indicators.L	
116820	2-4	Dept		Copy of telegram authorizing purchase of panel and switch for fire control. L	
162	2/21	H-C Co.		Fwds. copy of corres re order for fire control telephones NEW YORK & ARKANSAS	629
162	2/24	H-C Co.		Copy of letter to ARKANSAS re changes in F-C telephones.	629
119715	?	CO		Reports receipt of altered fire control telephones from H-C Co. L	
119953	3-12	CO		Reqt authority to turn in old type fire control telephones. L Fwd Ord.3/18.	

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[OVER.]

ARKANSAS: INC.COM.SYS.

1912

Number.	Date.	From or To—	Subject.	
85581	12-18	Bd on Changes,NYS	Call bell and telephone leads; change in engineers office;inc.cost.N To NYS appd.12/20.	
85582	12-18	ditto	Bell in paymasters office. Inc.cost. N To NYS. appd.12/20.	
			1913	
95344	4/9 4/19	NY 370-820-6 C&R 25313-B.22	Install motor generator for gyro compass; install gyro compass repeater; S.E.work in connection with.L Fwd Nav. 4/22	
96390	5/2	Ord. 26668-151	Relative to the changing of firecontrol installations to accord with the grouping of searchlights.L Fwd NY.comment.5/6. RB 5-10 Fwd NY.request estimates.5/21. RB 5-27	
96949	5/8	NY 370-365-4	Recommends Leeds & Northrop's offer to repair temperature indicating devise at no charge except transportation, be accepted.L To-NY- re shipment 5/12 To-S&A reqt shipment 5/12	
97233	5/14	To	HELM ANGLE INDIDATORS, reqt report on efficiency	665--5

N.S.E. Form 134.

ARKANSAS: INC.COM.SYS. 121---4

1913

Number.	Date.	From or To—	Subject.	
98707	6/4	To Cory & Sons.	& WYOMING: rudder angle indicator systems; Requests representative confer with NY yard re supplying material for altering to a non-spark type.L To NY.Instructions.6/4.	
102452	7/28	To Cory & Son.	Fire room timing device transmitter;asks if have a motor of proper size which can be readily installed in place of present one; Bu assumes Co.will finish calibrating shaft revolution indicators at first opportunity.L Cory & Son: gives reasons for failure; quotes price for new. 7-30	
102453	7/28	To Ord.	Gun firing and sight lighting batteries; quotes condition of from Quarterly Report.L	
101570	8/5	To NY	WYOMING: call-bell system; necessary work in connection with C&R authorized.	488-4
110458	11/15	To Holtzer Cabot Co	Cont.162, changes to telephones of, asks when will be prepared to change, etc	717
112466	12-6 12-10	NY 370-E99-33 Ord 25721-75	Estimate for installing latest type range and deflection transmitters and receivers.L Fwd Ord 12-16	
112590	12-8 12-10	Ord Dept	Directs work on new combined fire control and conning tower be not undertaken at this overhaul.L To NY.instructions.12/13.	

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[OVER.]

ARKANSAS: INT. COM. SYSTEM.

Number.	Date.	From or To—		Subject.	
76066	8/17 8/17 8/28	Suptg Constr. Cramps Cramps C&R	995-359	Voice tube mouth piece cover: states contractors claim no necessity or demand for removing ribs and changing name plates.L Have issued instructions.L Fwd C&R. with recom. 8/26	
73320	8/12	C&R		Turret Officers' station: fwds revised plan.L	
77336	9/4	NYS	1034-3216	Fwds corres.and prints re location of sound-proof booth for telephones and voice tubes.L Fwd C&R. concurs 9/7 RB 11-11 Fwd C&R.comments.11/14. RB 11-30 Fwd C&R.with comments.12/11.	
78233	9-17	NYS	1100-335	Contractors have not installed any wiring for target bearing and plotting indicator system.L	
78517	9-18	Phila	320-340-2	Fire control system: reqt.b/p.L Ref. Ord. 9/23	
78764	9-24	NYS		Telephone prints; reqt. for record of elec. plant. L TO -- fwds.9-30	
78709	9/24	To Phila		Authorized wiring, circuit Tf, target bearing & Plotting Indicator system. L	
77699	9/26	Cory		Agrees to change if not already made, Helm angle transmitters.	121--2

N.S.E. Form 134.

ARKANSAS: INT.COM.SYS. 121-4 1912

Number.	Date.	From or To—		Subject.
79308	9-5 10-2	NY Ord	370-758-2 25721-52	Target bearing transmitter and plotting indicator will be delivered about Oct.15th. ships force to install. L. Fwd C&R 10-7 RB 10-11 Ret Ord.10/12.
80895	10-23	NYS	1229-6910	Vandyke telephone prints; returns; unreadable reqt. new set. L TO -- fwds new set.10-26
81920	10-23 10-28	CO NY	370-655-1	Repair helm angle indicator transmitter. L
82131	10-28 11-6	CO NY	370-595-19	Estimate for installing Aylwood range and deflection in fore top; instruments to be supplied by Ord. L
83108	11-20	NYS	1360-736	Call bell in paymasters office; inc.cost. L To---appd.--To Gen Inspr.inc cost.11/23.
83293	11-14 11-19	CO NY	370-660-22	Repair Cory revolution indicator damaged by workmen. L
83528	11-25	NYS	1399-7325	Estimated inc. cost changing call bells telephone leads, engineer)s office.L To---appd.--To Gen Inspr;inc cost.12/2.
84760	12-9	NYS	1464-7334	Fire control changes; submits inc. cost. L To---estimate satisfactory; must be ref to Bd on Changes.12/16.

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ARKANSAS: INT: COM: SYSTEM.

Number.	Date.	From or To—		Subject.
66288	4/13	NYS	419-3511	Voice tubes; desires changes to nose mouth-pieces, to be treated as change under contract.L To---Requirements.4/15.
67273	4/25	Ord.		Gun firing system; recommends breast lamps at 5" sights, in place of micro lamps.L Ret---Bu.is considering combined switch and double receptacle.5/1.
67772	5-1	C&R	25115-E.4	Fire control tower; genl. arr. Fwds b/p.L
69598	5/24	C&R	25169-E.32	Nose mouth pieces; states matter of types now under consideration.L Ret---5/28.
69991	5-29	Ord	25721-25	Gyro firecontrol instruments; require wiring for target bearing transmitter in fore top and plotting indicator in sub-central.L Fwd NYS.Reqst status of wiring.6/3. R B 6-6. To NYS.Fwds plans with instructions.6/20.
70099	5-23 5-31	NYS C&R	610-359 25169-E.32	Voice tube pieces;mouth; installation to be made after delivery of vessel; directs change from head to nose-mouth pieces. L Ret C&R.6/1.
71234	6-14	NYS		Target bearing and plotting indicator system; wiring diagram.L. To---appd as mod.6/18.

N.S.E. Form 134.

ARKANSAS: INT.COM.SYS. 121-4 1912

Number.	Date.	From or To—		Subject.	
71784	6-20	NYS	742-6713	Elec. installation in chart house; fwds b/p. L To---appd as mod. 8/1. Fwds b/p. 7-9	
72099	6-25	NYS	766-359	Relative to attaching name plates to voice tube mouth pieces. L. To---Ret C&R, requests name plates be installed. 6/29. RB 7 10 Ret---7/11. RB 7 15	
72225	6-26	NYS	756-337	Target bearing and plotting indicator system; fwds prints working diagram. L	
72654	7-3	NYS	805-2112	Turbo generators; quotes letter of GE Co. stating will remedy defects in balancing weights. L	
73319		NYS		Anchor handling and Boat Hour gongs. Appd 7/15.	
74152	7/24	Ord.	25721-40	States range and deflection receiver has been installed in fire control tower according to S.E. plan 1790. Recommends installation in fore top. L To Phila. installation authorized. 7/26. To---advising of action. 7/26. To NYS advising. 7/26.	
74214	7/24	NYS	910-229	12-in. turret: recommends additional lighting in powder passing rooms. L To---Fwd NY. authorized. 8/2. RB 8-18	
74256	7/25	To NY & NYS		FIRE CONTROL, target bearing system for, fwds vandyke of external connection	647

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[OVER.]

ARKANSAS: INT:COM:SYS:

Number.	Date.	From or To—		Subject.
62465	2-29	NYS	239-3216	Ships service telephone system; fwds b/p showing alterations in central, sub. int.com. rooms.L
62622	3-2	NYS	754-2161	Booths for telephone and voice tube systems: L To---Comments.3/8.
62982	3-6	NYS	246-6713	Conning and fire control tower; fwds b/p elec. Installation.L. To---appd.3/8.
63641	3-14	C&R	25169-E.28	Booths for telephones and voice tubes; fwds corres. re installing.L Ret---quotes action taken on conrs' letter.3/16.
64080	3-20	TO NYS		Gyro Turret fire control instruments; quotes Dept. authority for installation.
64527	3/25	To C&R.		& WYOMING:Voice tubes in turrets; requests be provided between upper handling room and lower hoist operator's platform.L
64747	3-27	NYS	357-3216	Sound proof booth for telephones and voice-tubes; fwds contractors letter objecting to installation.L
64864	3-29	TO Cramps	(J)	Reduction 10-hr trial to 4 hours.

NB—0120

N.S.E. Form 134.

ArkANSAS: INT:COM:SYS: 121-4

Number.	Date.	From or To—		Subject.	
65061	3-30	NYS	365-321-6	Telephone material; states 8 impedence coils still due and recommends Bu. furnish. L To---Coils will be included in reqn. 4/2.	
65053	3-30	NYS	366-3216	Sound proof booths for telephones and voice tubes; fwds copy of Supt. Constr. letter to C&R. L To---quotes C&R'S endorsement. 4/6.	
65224	4-2	NYS	375-333	Gyro fire control instruments; fwds contractors letter stating impossible to figure in cost in advance due to tearing down nature of the work; also impossible to figure exact delay. L	
65322	4-3	C&R	25169-E.30	Sound proof booths for telephone and voice tubes; will insist on contractors installing. L Ret---concurring in 2d end. 4/6. RB 4-24 To NYS. quotes corres. 4/26. Ret---4/26.	
65302	4-3	NYS	386-333	Installation Gyro turret fire control instruments; fwds copy of N.C. letter to C&R. L Fwd Dept. via Ord. Rec omission of multiple turret and target bearing instruments. 4/5. RB 4-8 a'ppd Fwd C&R via Ord. 4/8. RB 4-11 To---instructions. 4/8. Fwd Dept. with comment. 8/6 RB 8-20	
65795	4-6 4-8	C&R Ord	25315-E.46 25721-17	Gyro fire control instruments; fwds plan and recommends ~~be~~ installation be omitted at present time. L Ret C&R. 4/8.	
65630	4/6	To C&R		& WYOMING: voice tube system, directs certain changes be made	488--4
66326	4-13	NYS	413-3216	Name plate markings fire control telephones. fwds b/p. N To---appd. 4/19.	

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[OVER.]

ARKANSAS:INST:COM:SYS.

1912

Number.	Date.	From or To—	Subject.
58992	1/16	Holtzer Cabot Co.	Switchboard; telephone; fwds print. L To NYS.Fwds print; requests name plate markings.1/26.
59228	1/19	NYS 77-6713	Super structure deck and bridge details; fwds print showing arr. invites attention to location call bell systems and gyro compas on bridge.L To---appd as mod.2/5. NYS fwds plans.2-27
59807	1/27	NYS 98-3216	Stowage boxes, fire control telephone; submits list showing location.L To---appd as mod.2/2.
59827	1/26	NYS 843-65	Central station details; fwds b/p.L
59976	1/30	NYS	Conning tower; arr. instruments; fwds plan.L
60363	2-3	NYS 121-3216	Ships service telephone switchboard; fwds print showing name plate markings.D
60389	2/2	Holtzer Cabot Co.	~~& WYOMING; fire control telephone switchboard; fwds print or.L~~
60542	2-5	Bd. on Changes NYS 432-961	Changes in dial of mechanical telegraph and gong leads; inc.cost.N To NYS appd.2/7.
60541	2-4	Ditto 139-961	Additional voice tube between battle compass and steering station; inc.cost.N To NYS appd.2/7.

N. S. E. Form 134.

ARKANSAS: INT:COM:SYS: 121-4

Number.	Date.	From or To—		Subject.	
60547	2-5	Bd. on Changes, NYS	121-961	Gun firing circuit; change from D-C to A-C. inc. cost. N Fwd Dept. rec appr. 2/7. RB 2-12 a'ppd To NYS appd. 2/12.	
60571	2-6	NYS	128-3216	Sound proof telephone booth; asks if any will be required. L To---Are required. 2/8. To Cramps. 2/9. Further 2-9, To---spearate booths not required. 2/12.	
60637	2-7	NYS	151-6713	States ~~states~~ if voice tube from standard compass to battle compass, inclosed outlet in central station, is omitted, there will be novoice tube communication from conning platform to central station. L To C&R & ---. Bu. desires voice tube between conning platform and central sta. 2/10.	
60892	2-8 2-10	Ord C&R	25238 253k4-E.40	& WYOMING: TEXAS: NEW YORK; reqt. installation of Gyro turret fire control instruments on. L Fwd Dept. concurs in rec. of Ord. 3/7. RB 3-19 a'ppd Ret C&R. 3/25. Reqt. return. 3-20	Fwd C&R noted. 3-29
61964	2-23	NYS	215-3216	Fire control telephone stowage boxes; list of locations. L	
61990	2-21	C&R	25115-E.44	Fire control towers; fwds print showing general arrangement. L To NYS. Reduest comments and rec. 2/27. NYS no changes. 3-8 To---appd. 3/9.	
61988	2/23	Ord		~~XX~~ 12" turret, fwds plan covering elec. installation: comments on indicators, lights, voice tubes, etc	121--3
62189	2-26	NYS	218-3216	Telephone and voice tubes; changes due to omission battle compass in fore hold; fwds print. L/	

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[OVER.]

ARKANSAS: INT:COM:SYS:

Number.	Date.	From or To—		Subject.	
52384	10/31	NYS	1243-359	Fwds list of voice tubes required, portable head gear with name plate marking.L	
52462	11/1	NYS	1246-2016	Gun firing and int.com. motor generator panel; contractor submits list of spares.L To---appd.11/3.	
53661	11/13	NYS	1288-37	Conning tower; location of instruments; fwds prints. L Fwd C&R via Ord-Appd. as mod.12/4. RB12-23 Ret-Appd. for S.E.12/26. RB 12-30	
53990	11/18	NYS	1303-365	Central and sub-stations and int.com.room: fwds print showing details.L. Fwd C&R via Ord-Regt comment.11/27. RB 12-12 To--Appd. as mod.12/14.	
55157	12/4	NYS	1362-359	Voice tube appliances; recommends use of composition in accordance with Bu's Dr.No. 1715, in lieu of aluminum and zinc.L To--Appd.12/6.	
55585	12/8	NYS	1391-103	Arrgt of instruments in conning towers; retention of helm angle indicator even though gyroscopic compass is installed; submits prints showing steering stands, compass, etc.L To--Modify plan and re-submit.12/28.	
55795	12/11	NYSQ	1402-3216	Asks if condenser is required for fire control telephone system.L Ret-Has ordered for, and WYOMING.12/16.	
56708	12/21	To Norf.		Fire Cont. fwds prints of	647

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N.S.E. Form 134.

ARKANSAS: INT. COM. SYS. 121//4

Number.	Date.	From or To—		Subject.	
56957	12/23	NYS	1448-365	Central station details; re-location of salvo panels, telephone switchboard, etc. L To--Comments; reqt sketch showing salvo panels. 12/27.	
56851	12/23	To C&R		& WYOMING: reqt provision for voice tube communication from distribution room to s searchligh rheostat compartment	488--4
57070	12/27	To Holtzer-Cabot Elec.Co.		& WYOMING: reqt vandyke print of Fire Control Telephone Switchboard and Ship's Service Switchboard, together with a list of markings for drops. L	
57394	12/30	Holtzer Cabot Co		WYOMING: telephone switchboard; unable to furnish for 3 weeks owing to fire. L.	
57889	1/6	NYS	27-365	Centratl station; details; fwds prints showing turret salvo panels. L To---Addtl detail information desired. 1/9.	
58772	1/16	NYS	64-365	Central station; details; fwds b/p. L To---States requirements. 1/18.	
58893	1/12	NYS	688-3511	Voice tubes for torp. defence; quotes letter from C&R dated Jan 12 directing that permanent systems of torp. defence guns terminate from side and centre of pivot stand To---Satisfactory to S.E. 1/18.	

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ARKANSAS: INTERIOR COMMUNICATION SYSTEM

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Number.	Date.	From or To—		Subject.	
49033	9/20	To Holtzer Cabot Co		& FLORIDA:etc: reqt plans of fire control telephone switchpanel	205--4
49164	9/21	NYS	1103-3216	Reports non-receipt of w.t. jacks for fire control telephone system.L ToH.C. expedite del.	
49249	9/22	NYS	1107	Fwds print showing proposed running of voice tubes to clear armour.L. TO -- appd. 9/27	
49537	9/26	HoltzerCabot Co		W.T. jacks for fire control telephone system; were shipped July 1st.L. Fwd NYS for inform.9/28 EB 10-4	
49741	9/28	NYS	1131-678	Fwd distribution room; fwds print showing arr. wiring leads.L. To---Appd.10/17.	
49850	9/28	Holtzer Cabot Co		& FLORIDA: fwds prints of fire control telephone switch panel	205--4
50300	9/29 10/4	C&R Ord	25115-E.43 23378-64	Fire control tower; fwds prints showing location of instruments, etc. L Ret C&R.10/26.	
50299	9/14 10/4	C&R Ord	25169-E.20 23378-E.63	Central and sub stations; fwds prints of location of instruments, etc. L Ret C&R. Omission of insulation satisfactory. 10/6.	
50401	10/6	NYS	1172-325	Recommends installation of call bell & telephone in paymasters storeroom.L. To---Appd.10/9.	
50812	10/11	To NYS		Fire control telephones; asks if jacks are required. L	

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N.S.E. Form 134.

ARKANSAS: INT:COM:SYS: 121-4

Number.	Date.	From or To—		Subject.
50940	10/12	NYS	1189-3216	Fire control telephones; states additional jacks not necessary. L.
50973	10/11	NYS	1181-37	Fwds plans of voice tubes, call bell sys. L To---One print not received;reqst.10/26.
51170	10/14	NYS	1190-6713	Fire control towers; fwds prints showing arr. of wire leads.L.
50996	10/13	To NYS		Fuel oil tank indicator system. Directs that an 8-drop annunciator be installed on gun deck.L
51481	10/16	NYS	1194-3216	Ships service telephone; fwds plans effected by installation of phone in storeroom.L.
51501	10/19	NYS	1211-3324	Fuel oil tank indicator; circuit "X". installation will involve increased cost.L To---Reqst estimates for changes.10/25.
51752	10/23	Brook	8521	Turret telltale indicators; reqt. information re voltage test. SL To---Approves rec as to test.10/26.
52313	10/30	NYS	1227-37	Fwds print of system on berth deck,fwd.L

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ARKANSAS: INTERIOR COMMUNICATION SYSTEM.

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Number.	Date.	From or To—		Subject.	
45469	8/4	NYS	22-351	Fwds correspondence from Constr. re certain voice tubes requiring hose and armor. L Ret---Reduction of number of voice tubes. 8/23. RB 9-8 TO -- Appd. 9/18	
45663	8/7	NYS	932-73329	Change in type of ammunition hoist signals; est. change in cost.L. To---Appd.8/9. Ret---Encloses est. #36.8/12. RB 8-16	
45664	8/7	NYS	931-73410	Change in dial of mechanical telegraph; inc. cost.L To---Appd.- ToGenl Insp.for inc cost.8/9. Ret---enclosing estimate 37. 8/11. RB 8-16	
45665	8/7	NYS	935-737	Voice tube between central station and battle compass; inc. cost. L To---Appd.- To Genl Inspr for inc cost.8/9. Ret---enclosing estimate 35. 8/11. RB 8-16	
45740	8/7 8/8	Brook NYS	6540 937-3313	Type controller panels for gun firing turret danger zone system.L. Fwd Cramps.Substitution of line fuses for overload circuit breakers appd.8/12. RB 8-16	
45963	8/10	Brook	6629	Reports test of motor genera tor for turret danger zone system.S. To NYS. Fwds copy of test report.8/17.	
46070	8/10	Holtzer Cabot Co		& WYOMING: Fire control telephones; fwds list of spare parts.L	
46120	8/12	NYS	961-4512	Fire control tower; genl. arr. ar instruments, etc.L To NYS approval withheld. 9/5 To - approved 9/11	
46145	8/12	Brook	6672	Motor gen. sets; fwds test records.S&L To NYS. Frel accepted. Test record fwd.8/18.	

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N.S.E. Form 134.

ARKANSAS: INT:COM:SYS: 121 -- 4

Number.	Date.	From or To—		Subject.
46565	8/17	Brook	6760	Motor generators for; and turret danger zone systems; fwds tests.L&S
47036	8/23	Diehl Mfg.Co	18016	Gunfiring and danger zone motor generators; spare parts; submits list.L Ref. N.Y.S. list will apply to 9/4
47789	9/1	NYS	1035-3410	Mechanical telegraph and gong system; fwds plans. N-L. To - approved 9/14
48221	9/8	NYS	1047-4512	Fire control tower; arr. of instruments satisfactory with exception of periscope.L
48293	9/9	NYS	1053-4512	Fire control tower; will assume no responsibility for arrangement of; Bureau will have to assume same.L
48625	9/13	NYS	1068-4512	Fire control tower; fwds prints showing location of instruments. L
48624	9/13	NYS	1069-6710	Location of elec. apparatus in fire room.L
48797	9/16	NYS	1086-3216	Ships service telephone; reports receipt of phones from Holtzer Cabot ; Fwds copy of letter re reduction in price.L. TO -- appd. 9/19
48899	9/18	NYS	1092-229	Lighting in turrets and upper handling rooms; recommends additional magazine fixtures. L

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ARKANSAS: INTERIOR COMMUNICATION SYSTEM.

Number.	Date.	From or To—		Subject.
39648	5/25	NYS	668-37	Switchboards: fwds Cory's plans showing back and side views. L Ret -- Apprd as mod.5/29. RB 6-6
36328		See Card #5.		Ret NYS. Push button will be installed in paymaster's office, to be treated as change in cost.5/26. RB 5-31
40018	5/29	Brook	4738	Gun firing motor generator; fwds test report.S To NYS & -- Prel.accepted.6/5.
40465	6/3	NYS	696-35	Reqt. type plans of voice tubr mouth pieces and appliances; complains of delay on a/c of. L To -- Fwds plans.6/26.
40762	6/8	NYS	716-4512	Fwds print showing location of instruments for fire control tower.L. To --Plan fwd to other Bureaus.6/12.
40801	6/9	NYS	734-4512	States plan showing arr. of instruments in fire control tower giving present location of voice tubes and wire was submitted. July 8th. L Fwd C&R via Ord. for consideration.6/12. RB 7-11 Ret -- Regst plan developed showing method of leading.7/13. RB 7-22
41786	6/21	NYS	779-45-12	Fwds letter from Superintending Constr. rel to general arrangement of fire control tower. L Fwd C&R via Ord. 6/26. RB 7-11 Ret -- Ref to 40801 of even date.7/13. RB 7-18

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N.S.E. Form 134.

ARKANSAS: INTERIOR COM. 121--4

Number.	Date.	From or To—		Subject.	
42145	6/24	NYS	785-2616	Action cut-out switch panel: fwds print. L To -- Plan 97-487-K3 modified.6/28.	
42451	6/28	NYS	811-321	Fwds prints of w.t. annunciator. L To -- Apprd.7/1.	
42683	6/30	NYS	803-3511	Fwds print of alterations to voice tubes, due to re-location of engineers office.L To -- Appd.7/5.	
44 44046	7/19	NYS		Location of instruments in central and sub-central stations, int. com. circuits; fwds prints. L Fwd Ord. for comment.8/2. RB 8-8 Ret---8/9. RB 8-15	
44793	7/26	Bradford Coal Depot		Fwds sketch showing condition.Y	
44968	7/29	C&R	25321-E-58	12-inch turret: indicator and auto. stops. L Reqt return of papers.7/22. Ret---By concurs in rec of C&R.8/1. Ret---8/2.	
45099	8/1	Brook	6390	Gun firing motor generatrs; fwds test sheets.S&L To---Prel accepted.8/11. Fwd NYS. Copy of test sheet enclosed.8/11.	
45427	8/4	NYS	915-4512	Fire control tower; fwds plans showing general arrangement of instruments, wiring, voice tubes, etc. L To---Reqst addtl information. 8/11.	

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ARKANSAS: INTERIOR COMMUNICATION SYSTEM.

FILE No.		From or To— (Dated)		Subject.	
37384	4/28	NYS	489-37	Fwds approved interior communication deck plans. L To -- Plans satisfactory; comments.5/23.	
37785	5/3	NYS	530-3313	Gun firing system; fwds prints of wiring diagram. L Ret -- Modifications required.5/8. RB 5-23	
37987	5/5	NYS	530-2616	Action cut-out switchpanel for engine telegraph system; fwds prints and contractors comments on approved change.L To -- Plans not apprd.5/10.	
38197	5/8	NYS	546-37	Wiring switch panels. Fwds prints.L Ret -- apprd as modified.5/19. RB 5-27 Ret.directs modifications 5/27 RB 6-6	
38307	5/9	NYS	561-331-3	Gun firing system; reqt. copies of Naval Gun Factory plan 4011.L. Fwd Ord. Reqst prints be furnished.5/12. RB 5-27	
38492	5/11	NYS	555-3410	Mechanical telegraphs and gong leads; fwds working plans.L	
38491	5/11	NYS	564-3312	Helm angle transmitters; fwds prints giving location, etc.L. To -- apprd 5/17.	
38594	5/11	NYS	521-307	Fwds prints working diagram; L.	
39629	5/24	NYS	660-3313	Fire control tower: rel to the mounting of instruments. L Ref NYS with 36619 5/27. R.B. 6/5 To -- Reqst plan of arrgt of instruments.6/8.	
36619	see card 5			fwds. INSPT. N.Y.S. permanent instal. v.t. desired. 5/27 RB 6-5 Fwd C&R.Suggests Constr & Inspr. develop plans providing permanent voice tubes.6/8.	

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ARKANSAS: INTERIOR COMMUNICATION SYSTEM.

FILE No.		From or To— (Dated)		Subject.	
36328	4/14	NYS	473-37	Relative to location of certain bells and buzzers. L. Fwd C&R Reqst information.4/18 RB 5-13 Fwd C&R via S&A. Asks if compartment C-103 will be retained.5/16 RB 5-24	See card 7
36619	4/19	C&R	25115-E 56	Fire control tower; fwds print showing genl. arr. and comments on re location of instruments.L Reqt. action on. 5/16 To NYS Reqst plan showing method of running leads & voice tubes as shown on sketch enc. Also comments.5/17. To -- Method of leading wires objectionable.5/18 BL RB 5-25	see card 6
36644	4/20	NYS TO & UTAH		: Turret gun firing; instructions re transformers, and lighting switches. L	
36793	4/21	Western Elec. Inst. Co		Asks if accompanying print of cable terminals for special 4000 ampere shunt is satisfactory.L Fwd NYS for comment.4/26. RB 4-29 Reqt. reply. 5/5 Ret NYS Prints fwd.5/13 RB 5-17	
36822	4/21	C&R	25169-E.17	Voice tube mouth pieces; takes exception to Bureau authorizing changes in. L (Ref as enc. with 36821-726 4/24) RB 4-26 Ref. C. & R. 5/26	
37079	4/25	NYS	501-37	Switchboard; invites attention to omission of A.C. ground detector.L To -- Addtl ground detector not required. 4/28.	
37221	4/27	TO NYS		Modified voice tube list for torp. control stations in torp. room.L.	
37271	4/27	NYS	507-359	Voice tube panels; fwds prints.L. Reqt. reply to. 5/12 Ret -- Matrl made up of aluminum accepted; new castings to be of brass compo.5/23. RB 5-25	
34541	3/23	C&R	&	WYOMING: fwds plans, arrgt of indicators, telltale controler gear, for 12" turrets,	488--4

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ARKANSAS: INTERIOR COMMUNICATION SYSTEMS.

FILE No.		From or To— (Dated)	Subject.	
32226	3/20	To S&A	& WYOMING:Ship's service telephones and switchboards. Requests certain changes made in contract 14563.	706
34181	3/20	To NYS	Deck plans. Approved subject to comments, and modifications contained in 34182-121-4.	
34182	3/20	To NYS	Fire control system: relocation of torpedo defense stations, due to rearrgt of searchlights. Desired that contrs correct plans and fwd copies to Bureau.	
32226	3/20	To S&A	& Cont: 14563: ship's service telephones & switchboards: reqt certain changes in cont.	706
34581	3/24	NYS 357-37	Deck plans; reqt. to be informed what circuits are to be used for 8 additional phones, type C, etc. L Ret -- Sketch #3 correct 3/29. RB 4-22	
34819	3/28	To Holtzer Cabot	& WYOMING: reqt six copies of plans showing telephone switchboard, generator & dynamotor, Cont.14563	
35269	4/1	Holtzer-Cabot Co.	& WYOMING: fwds prints of telephone switchboards, talking motor generator, and ring dynamotor	488--4
35349	4/4	TO NYS	Telephone system; fwds print showing motor generator and dynamotor. L	
35952	4/11	NYS 449-359	Voice tube panels; fwds prints with comm ents.L Ret -- Apprd as mod.4/20. RB 4-22	
36096	4/11	Cory & Sons, Chas.	INDICATORS: elec. speed revolution, voltmeter type. reqt instructions be issued to Inspr. to report on those on: for guide in adopting for other ships.	665--2

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ARKANSAS INTERIOR COMMUNICATION SYSTEMS #3

FILE No.		From or To— (Dated)		Subject.
33337	3/9	TO NYS	& Ordnance	Arr. central, sub-central, and sub- stations; fwds print No. 1774; directs modification be made in accordance with Alt. 2, fwded herewith.L
33476	3/10	NYS	281-365	Arr. central, sub-central and sub-stations; invites special attention to alarm gongs location of rheostat panels, & lighting. L Ret -- Changes in drawing 3/17. R.B.3/21
33719	3/13	NYS	291-37	Switchboard; fwds prints. L.
33718	3/13	NYS		Action cut-out & switchboard; fwds prints.L. Ret -- Apprd 3/17. R.B.3/21 To -- Modification auth.4/15. To -- Double row desired.6/8.
33917	3/16	To NYS		Voice tube calls. Should be arranged so that two stations will not receive signals from the same push button.
32917	3/16	TO NYS		Voice tube calls; states no desire for one push button to operate drops on two annunciators. L
34157	3/17	NYS	299-37	Fwds deck plans. L Ret--Modifications in 34181-121-4. 3/21. RB 5-6
34230	3/20	C&R	25219-E.22	Relative to doors between sub and central stations. L. Ret -- Will not be required 3/23.
34193	3/17	NYS	274937	Deck plans; fwds prints and invites attention to location of telephones in torp. room. L. Ret -- apprd 3/27. R.B.3/29

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FILE No.		From or To— (Dated)		Subject.
30447	1/28	C&R	25321-E.37	Turret stops and indicators; fwds prints.L
30804	2/3	Brook	1129	Pilot lamp indicator for turret danger zone system; reqt. print for use of inspector / L To -- Drawing 1778 fwd 2/4.
30971	2/6	NYS	148-3311	Danger zone system; suggests use of gun firing motor generator for this system; instead of separate motor generator. L Ret -- Requirements 2/8. R.B.4/13
31030	2/6	NYS	147-3311	Turret danger zone telltale system; fwds prints of transmitters and indicators dials.L Ret -- apprd 2/8. R.B.2/14
31389	2/10	NYS	163-3311	Call bell system; submits list of stations, showing changes proposed. L Ret -- Appd as mod.3/28. RB 4-17
31775	2/16	C&R	25219-E.18	Central station; submits prints showing re-arr. L To -- Modifications desired 2/17/
31777	2/20	NYS	211-37	Fwds prints showing super structure, deck, & bridges; interi or communication system; also instruments in conning tower. L
32582	2/27	NYS	235-37	Switchboard; fwds prints. L Ret. appvd. with mod. 3/4 R.B.3/11
33044	3/4	NYS	265-3311	Turret danger zone motor generators; fwds b/ps. L Ret -- Apprd sub.to insp.and test 3/8. R.B.3/11

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ARKANSAS; - INTERIOR COMMUNICATION SYSTEMS:

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FILE No.		From or To— (Dated)		Subject.
28285	1/4	C&R		Instruments turret officers station To NYS, Ref -- Plan appr. 1/10.
28434	1/6	NYS	9-73313	Gun firing system; use of A.C. instead of D.C. transformers; est. inc. cost To GenlInsp for inc.cost; Ret -- 1/17. R.B.1/20
28769	1/4 1/10	C&R Ord.	25319-E.10 22935-192	Turret officers station, arrangement of. Fwd C&R Concurs with Ord 1/12.
29214	1/16	NYS	5937	Fwds deck plans. Reqt. reply to, L.2/23 . Ret -- plans being considered 2/24. R.B.2/28
29360	1/18	TO NYS		Fwds copy of reqn. 191 covering telephone system for ships service and fire & engine room
29567	1/20	NYS		Broad side ammunition hoist telegraphs. states signal was completed prior to changes desired by Bureau. Ret -- Inc cost disapprd 2/4. R.B.2/8
29726	1/21	NYS	89-37	Fwds deck plans interior communication system. To -- apprd with comments 2/27. To -- apprd with comments 3/1.
29806	1/23	NYS	100-3311	Danger zone system; fwds prints of indicators Ret -- Comments 1/30. R.B.2/3
29994	1/24	NYS	102-3313	Gun firing system; Fwds prints of elementary wiring diagram.

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ARKANSAS LIGHT & POWER 1922

Number.	Date.	From or To—	Subject.	
625702	from card 25		To NY- gives inform rel motor generator N.Y. - Copy action to C&R 9/1 L NY 12/27 Proposed location of motor generator and switch board for submersible oil system L To NY - Appvs plan 1/6 Fwds C&R 1/6 RB 1/12/23 L	8/3L
638151	7/28 8/14	CO Atl. Btlshp Force	Request supply storage battery for IC system. L To CO- Disapprvd cc Atl Fleet- C-I-C Atl Fleet cc NY 8/24	

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Number.	Date.	From or To—	Subject.	

ARKANSAS LIGHT & POWER 1922

Number.	Date.	From or To—	Subject.	
627260	6/8	New York	Confirms telephone conversation rel to assignment of search lights to SOUTH DAKOTA for further assignment to ARKANSAS	L
626702	6/10	To NY	Instln of AC Submersible salvage pump system Apprvd cc CO, Atl Fleet- C&R Ly C&R 6/15 Recomds location of outlets be provided as recomd L To C&R- modification of instrns 6/26 N.Y.- General wiring diagram submersible pump system- fwds prints: 7/18 L 19 NY 7/20 List motor generators suitable L To NY Plan approved 8/3	
	card 26			
628235	6/17	To O-I-C Brook via S&A	Portable Storage Battery- issue of approved L S&A 6/19 Copy action to Navy Supply Depot L	
628				
628972	6/21	To S&A 566	Reqst shipment of switchboards from Boston to 30 NY L RB 7/22 L	

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N.S.E. Form 134.

ARKANSAS LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
624381	from	card 24	Fwds NY 6/26	
635712	7/6 7/31	CO Atl·Fleet	Report on wiring of ball bearing type motors. L	

ARKANSAS: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
616132	3/6 3/30	CO Ord	Reqt install pilot lights for bell and buzzer contact makers requd for each turret. L To CO Instln d sapp d cc Div 5- Comdr Battleship- C-I-C Atl Fleet Ordn 4/7	
617355	3/19 4/5	CO Atl.Fleet	36" schlights, request renewal of L Fwds CO via C-I-C Atlantic Fleet- Comdr battleship Force Atl Fleet- Div 5 4/11	
617545	3/15 4/6	CO Atl Fleet	Request renew mosels & bladings #1 turbine generator L Fwds NY cc CO- Battleship Force 4/21 RB 4/28 L New York 6/8 Report on No. 1 turbine generators L	
618849	4/10	CO	Report cov breakage of 36" schlight mirrors during spotting practice. L	
621932	5/8	To CO	Main Switchboards Fwds prints L RB 5/15 L Fwds CO5/20 CO 7/3 fwds tracings showing distribution boards L	

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N. Eng. 134
121-5

Number.	Date.	From or To—	Subject.	
624110	5/3 5/17	CO Dept	Request rewind two armatures for fresh water pumps L	
624108	5/1 5/17	CO Dept	Request matl listed be furnished for work in repairing 36" search lights L Fwds Orders 5/29	
624381	5/20	Phone to NY see card 25	Searchlights for ARKANSAS L NY 5/25 Recommends present switch lights be replaced L To NY-- Reqsts type and serial numbers of lights installed cc CO- Div 5- RB 6/23 Y battleship force Atlantic 5/29 NY 6/16 Gives no of sch light be instld L	
624736	5/3 5/22	CO Dept	Request repair broken cells of Willard battery. L	

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ARKANSAS: LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
		BELOW	
576798	7;24	CO T	Reqt GE Co ship spare armature for main generator No.2.L
		To Inspr Union Gives shipping instructions cc S&A- CO- Hamp Rds 8/27	To S&A Rqsts shipmt of generator from San Francisco to USS ARKANSAS 8313 7/27 L RB-10;19
		CO-reqt armature for main gen be shipped from San Francisco to NY-8;31-L	Inspr Union Iron Wks-armature ready for shipment 10 days-8;16
		To Inspr Union (T) Gives inform 8/31	
577606	7;21	CO	Recommends armature of main generator No.2 be returned to yard for balancing.L
		Inspr Mass-GE Co have not recd reqn covering repairs to armature-10;11	To CO Gives instrns cc Insp Boston- NY 8/20
		To Inspr Boston- Gives instrns cc 11	CO-asks if any spare armature available-9;2-L
		GE Co 10/20 Inspr mat	CO-have shipped armature-9;10-D
		To Inspr Boston- Gives inform rel repairs-cc CO- Atl Fleet- Inspr machy G Co 11/3	To Inspr Boston- Rel repair to armature cc CO 9/27
			To CO- GivesAction 9/27
			Inspr Mass-10;3-L
		To Inspr machy GE- inspn will be authorized cc Inspr Boston 11/17	Inspr GE-fwds GE Co quotation covering repairs to armature.11;3-L
576798		fwded from above	CO-asks when new armature may be expected-8;29
			Inspr Union-reqt definite shipbing instrns-8;30-L
			Inspr Union-copy of letter to NY returning armature-9;6-L
			To CO-- rel shipmt of armature cc Atl Fleet- -NY 9/30
		Inspr Union-10;17-L	
588597	10;4	CO T	Reqt auth to turn in searchlight shutters recd from NSD-cannot be used-L
			To CO Grants authy 10/6
589052	10;5	NY	Reqt prints showing illuminating outfit.L
			To NYFwds plans 10/13
			N.Y.- Fwds dorrected vandyke. 12/5 L

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N. Eng. 134

121-5:ARKANSAS: LIGHT AND POWER: 1921

Number.	Date.	From or To—	Subject.	
589484	10;9	Atl Btlship Force T	Reqt auth to turn in 36 inch searchlight shutters- do not fit lights on board.L	
590329	10/14	Atl Flt (T)	Request repairs to main generator armature sent to GE Co. be expedited. L Inspr GE-Copy action to Atl.Fleet 10/18 L To C-I-C Atl Fleet- Gives inform 10/20	
591496	10/22	To Co 3	Annual report of Electric Plant Data for 1921 L	
593047	11/5	CO ARKANSAS (T)	Signal shutters turned into store at N.Y. 10/10	251-5
55088	11/23	Inspr G.E.	Submits quotation covg name armature shaft for generator for ARKANSAS SL	629
		1922		
610419	1/25	CO	Request auth to turn in mechanical controllers for 36" schlight. L To CO-auth granted-2;23-L	

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[OVER.]

ARKANSAS: LIGHT & POWER. -1919-

Number.	Date.	From or To—	Subject.	
460843	11/11 11/26	CO P Snd	Reqst rewire lighting in 6 turrets with leaded and armored cable - L Fwd Comdt Pug Sd. 12-4 RB-12;22 Fwd Operations. 12-23 RB-1;2 To Pug Sd- Auth rewiring of lighting circuits in the turrets. copy to CO. 1-5	
464588	12/19	C&R	Fwds copy of letter to Puget Sound giving instrns covering instln of sterilizers on board. L. To Pug Sd- Incidental work under SE in connection with work auth by C&R is appvd. copy to C&R and CO. 12-24 ~~Bdxiag~~- Pug Sd-submits estimate-1;8 To Pug Sd- Auth for work under SE auth. copy To CO and C&R. 1-16 P Snd - submits estimate - 1/29	
473694	1;26	CO	Request information concerning shipment of circuit breakers listed.L ~~To SO N.Y. requirements 2/27 copy CO~~ To CO- Spare circuit breakers listed will be turned into store at Pug Sd.2-28 copy to Pug Sd. NY-3;2 S&A-3;17	
SE 373	6-3	To CO	Bearings and glansds for main circulator. asks explantion of procedure. Rh	
507745	7;1	CO void	Quarter ending June 30th.Y	

N.S.E. Form 134.

121-5:ARKANSAS: LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
507821	6;29 7;26	CO C&R	Two motor generators of British make received with submersible pumps.L Fwd C&A 8/6 To Comdt Puget Sd. reqst arrange for survey of generators on board 8/6cc CO C&R-reqt action-9;25-L
511188	8;4 8;6	CO Pac Batlship Squad 4	Request rewind armature of main generator.L To MI- auth work 8-13 copy ARKANSAS Sqd4 Pacf. Fleet- Armature installed; ask when spare for WYOMING may be expected. 8/21 L Pac Btlship Squad 4-9;27-L
529194	11;2 11;8	CO Pac Btlship Force	Request authority to deliver armature to GE Co shop at Frisco.L To CO (T) Del authd reqn will be prep upon receipt of inform listed 11-16 To CO via Pacific Fleet- Gives action 2/15/21 Pac Btlship Force-fwds CO's report-3;17-L CO-reqt ship armature to Ham Rds-7;23-L
530667	11;5 11;10 11;22	CO Pac Flt Ord	Request aux lighting circuit be installed in conning tower.L To CO Instln authd cc Pac Fleet- C-I-C 12-1
537906	12;24	Pug Sd	Location of boiler-fwds prints.L
550099	2;23	CO	Request info re repairs to main gen armature turned in to Frisco shops of GE Co.L
562335	5;6	CO T	Reqt spare armature for boat crane hoisting motor be furnished.L

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ARKANSAS: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
381622	12/8 12/28	CO Atl Flt	Request add scales and target turret indicator to auxiliary lighting system in each turret light, etc - L To- advises re alteraaions 1/4 To Norfolk- Author perform work 1/4	
385891	1;15	Norf	Confirms tel. conv. asking when ship will rec. 24" high power signalling searchlights	L
389188	1;27	CO	Submits matl. listed and ordered from GE Co for 18" signal searchlight L To(T)-Cannot obtain material before sailing. Will appv reqn for purchase when recd. 1-28	
5465	1/29	CO ARKANSAS	Ask why 36" heads for searchlights are not to be supplied. L&S	629
421454 Fwd C&R. 7-5	5-23 5-27	CO C&R	In conn w location of storage battery room. L Fwd C&R. 6-5 C&R enlargement of plotting room fwds prt 6;26	

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N.S.E. Form 134.

ARKANSAS: LIGHT & POWER

Number.	Date.	From or To—	Subject.
423972	6;5 5;28 6;5	CO Bat Sh Div #6 US Fleet	Req. replace 8 searchlight rheostats also cable between light at distribution Board L Fwd Operations. 6-17 RB 6;20 To CO- No changes to be made at present recommendation appvd by Dept. copy to Comdr Bat. Force Two and C-C AL FLT. 6-21
430114	7-8	To CO	Reduction of work on vessel. Lists job order reqts cancel as being considered unnecessary. L-Y copy to I.M. Ny. C&R 7/2 Rqst install lights for graduation pointer on all turrets. L
318244	7-26	SEE CARD 19	To S&A- Reqts shipment of circuit breakers from ARKANSAS to ships listed. L RB 10-7 To CO- Lists correct list of breakers that should be supplied for installation. 7-28 copy to CO'S TEXAS NEW YORK WYOMING.
450683	10;10	Pug Sd T	Vessel requires 4 ardois signal lanterns- Request Bureau arrange for shipment. L To S&A- Reqt shipment Ardois signal lanterns from Ports to Pug Sd. 10-13

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[OVER.]

ARKANSAS: LIGHT & POWER

Number.	Date.	From or To—	Subject.	
321051	6-27	To Norf.	Re telephone conversation about hight power signalling searchlights, and commenting on same	L
5 322899	6-29	CO	Request install auxiliary lighting system for fwd and aft battle dressing stations. To Norf (T) installation authorized 7-3 To CO, Fwd corres re auxiliary lighting,	L 7-5
324309	7/8	Key West T VOID	N Lond will ship additional maximum set of spares for use on Chasers of American Patrol Detachment - ask when first set shipped -	RA
324314	7/8	Milwaukee T	Complete shipment of interior communicating motor generator controllers made by Cutler Hammer Co 5/9 - shipment being traced -	L
325085	7-11	To Norf (T)	Storage batteries authorized.	121-4
325926	7/10	To Norf	re phone con versation re pair ro selfstarting generator and sendin g man to NY to secure same	121-11
348219	9-13	Norf	Signal shutter for 36" searchlight fwds. print	L

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N.S.E. Form 134

121 - 5 ARKANSAS: LIGHT & POWER 1918

Number.	Date.	From or To—	Subject.	
330810	7-25	Norf	& MISSISSIPPI - signal shutters for torpedo defense searchlights - fwds prints. L	
330807	7-25	Norf	Auxiliary lighting for battle dressing station - fwds prints. L To Norf. plan approved 7-30	
330873	7-30	To C O NEW YORK	Commenting on report of installing submersible pump equipment, L USS NY - Reports on motor generator equipment submersible type - L (Cross to Motor Generators)	
345745	9/7	To CO T	Contemplating shipmt of submersible pump motor generators to USS ARKANSAS	182-5
337922			Phone Norf-Asks for one set of prints coverg signalling shutter that Norf is man for coverted 36" searchlights for ARKANSAS	708
345388	9/10	To Co DELAWARE	Bu has rqstd shpmt of submersible pump motor generator from DELAWRRE to ARKANSAS	787-1

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[OVER.]

ARKANSAS: LIGHT & POWER:

Number.	Date.	From or To—	Subject.	
273813	1-14	Phone	Re searchlight at NY. Conversion of 36".	
286070	3-6	To NY	Searchlights, distant elec operating gear. Auth installation in advance of estimates. L	
287516	3-5	Phone Lieut Wilson	Re completion of converting of searchlights All completed except those on main mast. L	
288018	3/8	Atl Battleship Force	Request that signal search lights be furnished - L	
485-NY	3-8	NY	States conversion part of 36 inch searchlights for the ARKANSAS have not yet been recd. L.	629.
288046	3-12	To NY	Assignment of 2-18" arc searchlights for exp signalling. L To-(T)-Install two 18" searchlights on before ship leaves yard. 3-21 To Battleship Force Two-(T)-Reqn disappved. previously authorized. 3-21	
288961	3-~~12~~ 8	Phone Lt. Comdr Draemel	Reqt for installation tow 18" searchlights. Told to write letter to Bu and it would be appvd. L	
347063	9-7	Nrflk.	Confirmation telephone conversation relative to drawing of signal searchlight L.	

N.S.E. Form 134.

121 - 5 ARKANSAS: LIGHT & POWER:

Number.	Date.	From or To—	Subject.	
289004	3-15	To NY	Pipe control for portable searchlights. Auth install British type. L	
290632	3-13	Phone NY	Sperry lights on deck of ARKANSAS. Ship reqts British type of control instead of elec. control. L.	708
290719	3-18	Phone Comdr Wilson	Searchlights- L	
292491	3-26	to NYS VOID	Allow lists. Fwds 10 copies type "G". RL	
292578	3-25	Phone Lt. Wilson	Searchlights. L	
296476	4/5	CO	Reports on present search light equipment-L	
318244	6-22	To C O	Fwd copy of letter re replacement of circuit breakers on main switchboard L	

To CO- Reqts information be given in accordance with table as shown heron. 6-13

CO-submits list of circuit breakers delivered. 7;16

To Norf, re delivery of circuit breakers 6-22

CO 7-2

Norf - Submits estimate - 7/22 L

To Norf. Estimate approved 7-26

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ARKANSAS: LIGHT & POWER. 1916

Number.	Date.	From or To—	Subject.	
188701	5-20	NY	Auxiliary lighting; fwds print.L	
190664	6-12	NY	Illuminating outfit; fwds plans. L	
190542	6/8	CO	Blinker tubes; new design; submits criticism and fwds print	711-1
192204	6/29	Ord	Request adjustment appro covering repairs to 9 battery cells from ARKANSAS included under Ord contract 1025 thruerror	607
192449	6-27 7-2	CO At Flt	Install additional blinker lights.L Fwd NY--For estimate. 7/7 RB 7-13 Fwd Dept--Rec appv'l. 7/21 RB 7/26 To NY--Appvs. 7/28	
197900	8-26	NY	& WYOMING; auxiliary lighting in magazines; plan and estimate.L To-- Appvs with modi. 9/9 NY fwds plans/ 9-21 NY revised est 9-22 To--Revised plan appvd. 10/2	
202797	10/24	To NY and CO	Desire sample masthead and side lights installed for test	675-6

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N.S.E. Form 134.

ARKANSAS: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
233353	6/11	NY	July 4/16 to Jan 6/17 Y	
239189	7/19	To CO	Ask whether any of the carbon lamps used were defective. L CO - 7/25 L CO submits reports on use of mazda lamps and portables 11/2	
245555	8/25	To NY	Auxiliary lighting system. Reqt status of. L Norf - 8/31 L To Norf—9/6	
485	8/31	To NY	Auxiliary lighting batteries delivered at NY are for WYOMING ARKANSAS NEW YORK & TEXAS.	629
269413	12/21	CO	Harley search light - request authority to turn in - L To-Granted. 12-31 CO - Harle searchlight turned in store. L 3-11	
269706	12/18 12/25	CO NY	Request replacement of 36 inch search light with high power light - L To NY- Directs supply CO with two 36" Beck Searchlights on trucks 12-31	
271700	1-7	To NY	Searchlight converted to high power. Reqts covnvert as many as possible. L NY 1/17 CO -1-21 request replacement of Beck Search-Light with Sperry L. To NY- 1-26 To- NY-1-26	

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[OVER.]

ARKANSAS: LIGHT & POWER.

1915

Number.	Date.	From or To—	Subject.	
169586	10-23	NY	Estimate for installing armored cable for night signal set on foremast.L To-- Appvs. 10/29	
171174	11-9 11-12	CO C&R	Elec detached Franklin life buoy; favorable report on; C&R asks if SE will provide elec connections for installation on remaining BS At Flt.L Fwd C&R--Installation satis. 11/16 C&R lists vessels to be installed on 11-23 To Phila-NY-Chas--Auth work on certain ships. 11/26	
171857	11/18	NY	Install dampers, night signal lanterns; reqt authority to cancel job order.L	
173733	12/4	CO	Alterations to absentee and man-of-war lights and 125 volt motor in blacksmith's shop.L TO -- disap; new style to be installed. 12-14	
175204	12/30	NY	Reports on elec control for searchlights installed on ARKANSAS; submits estimate for manufacturing controllers as suggested in letter of May 28, 1913	708

1916

178228	1-4 1-18	CO NY	Reqt repairs to a fan and bridge meggor.L	
178548	2/11	To NY	Illuminating sets; fwds print showing changes in; reqt copies of corrected plan coveringchanges	488-5
179244	2-11	NY	Relative to failure of ship to receive searchlight shutter. L Retd Via CO--Auth issue of shutter. 2/17	RB 3/17

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N.S.E. Form 134.

ARKANSAS: LIGHT AND POWER SYSTEMS. 121 -- 5

Number.	Date.	From or To—	Subject.	
181796	3/16	NY	Illuminating outfit; fwds plans and estimates	488-5
182943	3-27	NY	Auxiliary lighting system; submits estimate and plan.L To--Appvs with changes. 3/30	
182907	3/11	CO	Reqn 416; sheet fibre; states was required to manufacture experimental blinker tubes as directed by Commander BS Squadron; present type unsatisfactory	711-1
184709	4/12	CO	Automatic lamp for 12" searchlight; reqt.L To--Bu does not consider practicable to supply. 4/20 (2 spare lamps carried on VESTAL)	
185428	4-20	NY	Illuminating outfit; fwds print and estimate.L To--Appvs plan and estimates. 4/25	
185599	4-24	To NY. (R)	& WYOMING-NEW YORK-TEXAS-reqt information location battery charging station auxiliary lighting batteries for engine room circuit and turret batteries. L Norf will fwd 26th (T) 4-25 NY replies; also for NORTH DAKOTA 4-26 (R)	
185681	4-24	C&R	Elec detaching device for Franklin life buoys to be tried on; instructions.L C&R copy of circular requesting preliminary report 1/8/17	
186645	5/2	NY	Aux lighting system; fwds revised prints.L NY submits revised estimate 5-15 TO NY appvd 5-31	
188640	5-22	C&R	Re arrangement of searchlight platform.L To--Arrangement satis. 5/24	

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[OVER.]

1914

ARKANSAS: LIGHT & POWER.

Number.	Date.	From or To—		Subject.
141215	12-28	CO		Reqt additional lights in turrets.L. Fwd NY-- For estimates on. 12/7 RB 12/10 To NY-- Appvs. 12/11
142674	12-26 12-21	CO NY		Shutter in lens for 36" searchlights.L
142926	12-23	NY	370-756-6	List of work necessary under requests for overhaul searchlight control.L
			1915	
143468	12-14 12-21	CO NY	370-756-3	Searchlight controls: est for installing.L To NY-- Appvs. 1/4
148117	2-15	CO		Reqt authority to turn in Cooper Hewitt lamps.L To Via NY--Auth to store;call survey on.2/25
151138	3-31	C&R	95	Reqt Bu make necessary elec arrgt for elec detaching device for Frankling Life Buoy. L ~~Fwd NY-- SE work appvd. 4/1 RB 5/15~~
151402	2-6 4-3	NY Industrial Manager		Estimate for installing 44" Harle searchlight and control.L Fwd C&R-- Have auth work. 4/6 RB 4/12 To NY-- Authorized. 4/6
151629	4-1 4-6	NY C&R		Install 44" Harle searchlight.L Fwd C&R-- Rec appvl of. 4/7

N.S.E. Form 134.

ARKANSAS: LIGHT AND POWER. 121 -- 5

Number.	Date.	From or To—	Subject.
155513	5/19	NY	Renew lenses for elec night signal sets; cancel job order.Y
155640	5/18 5/21	NY C&R	Installation of additional searchlight platform; recommendscancellation of job order.L C&R reqt return 6-23 Fwd C&R-- Noted. 6/25
158220	6-10	CO	Reqt authority to turn in old type night signal set.L To-- Appvs. 6/28
162802	7/24 8/4	CO NY	Eled remote control for searchlights.L To NY--Apppvs. 8/9
162810	8/3	CO	Elec distant control for searchlights; reqt authority to turn in controllers.L To-- Appvs. 8/9
167893	10-8	CO	Reqt authority to turn in 187 NWT portables.L To--authorized 10/16
168241	10-12	CO	Night signal leads to be installed armored cable, change switch and receptacle on flag staff from lighting to battle circuit. L Fwd NY--Work authorized.10/14 RB 10/27
168740	10-18	CO	Substitute 600 amp for 400 amp switch for grews galley.L To NY appd 10/21
169514	10-21	NY	Estimate for fitting adapters night signal sets. L To-- Appvs. 10/27

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[OVER.]

ARKANSAS: LIGHT & POWER

1913

Number.	Date.	From or To—		Subject.	
101197	7-2	ARKANSAs		GALLEY GEAR: reports on current consumed for galley gear as showed by wattmeters installed.	654
112700	12-11	NY	370-960-31	Submits new estimate for repairs to illuminating set.L To---appd.12/16. To---revised job orders appd.12/17.	
			1914		
115419	1-14	NY	320-593-1	Night signal set; revised estimate.L To---appd.1/20.	
116740	1-28	NY	320-593-4	Illuminating set; revised estimate for fitting L. To---appd.2/4.	
120234	3/18	To NY		Paralleling of generators of forward and after dynamo rooms: asks if experiments on ARKANSAS and WYOMING indicate this plan feasible.L	
120497	3-20	NY	935-630-2	NEW YORK & ARKANSAS: WYOMING: reports on testing of generators in parallel; no difficulty experienced; recommends installation; and against use of extra ammeters and voltmeters.L	
120852	3/26	NY		Comparative test 44" Harle searchlight completed: asks if same is to be installed on ARKANSAS	708

N.S.E. Form 134.

ARKANSAS: LIGHT AND POWER 121--5

Number.	Date.	From or To—	Subject.	
121297	4/1	To ARKANSAS	Trial of 44" Harle searchlight to determine whether gold-plated mirrors are superior to silvered mirrors for use in mist or fog; instructions.	708
121734	3-31	CO	Reqt authority to turn in spare units of old type elec ranges.L Fwd C&R.4/8.	
121940	4/8	NY	Gen sets; operating in parallel; result of test on NEW YORK & ARKANSAS; can be done in emergency but recommends against regular operation	660
122199	4-11	C&R	& FLORIDA: metal furniture; reqt additional lightsfor Secretary, toilet lockers, and desk.L	
122578	4/14	ARKANSAS	Harle searchlight; report landing at Norf; prelim test very satis	708
122797	4/16	Norf	Harle 44" searchlight; reports receipt of from ARKANSAS	708
123539	4/27	ARKANSAS	Harle light superior; very little fog or mist	708
124226	4/27	ARKANSAS	Harle searchlight; favorable report on; states use of gold mirror increases visibility but not intensity	708
136818	10-13	CO	Install additional light in Navigator's store room.L Fwd NY-- Appvd. 10/14 rb 10 24	
139776	11-16	CO R	Reqt shipment of lens for 12" signalling searchlight. L To--Have reqtd shipment from NY. 11/18 To S&A--Reqt shipment, 11/18	

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[OVER.]

ARKANSAS: LIGHT & POWER. 1912

Number.	Date.	From or To—		Subject.	
84078	11-29	NY	320-630-15	Turbo gen sets; fwds test sheets. S Fwd NYS for information.12/5. RB 12-10	
84238	12/4	GE		Turbo Gen. list of spares as furnished:	660
84749	12-10	NYS	1474-4024	Searchlights; Inspr.GE asks if front door strips shall be shipped direct to vessel.L	
85175	12-14	NYS	1491-71123	Est.inc.cost for installing outlets for elec. candlesticks. E To---Comments; request revised est.12/17.	
85417	12-18	NYS	1531-71123	Elec. candle sticks; inc.cost.L. To---appd.--To Gen Inspr.12/19.	
85532	12-19	NYS	1535-722-21	Night sigal set; fwds revised estimated change in cost re location of.L.	
85578	12-18	Bd on Changes, NYS		WT in lieu NWT portables; inc.cost.N To NYS appd.12/20.	
85583	12-18		ditto	Galley equipment;elec. inc.cost. N To NYS.Appd.12/20.	
85584	12-18		ditto	Night signal set;re-location of inc.cost.N To NYS.appd.12/20.	

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ARKANSAS: LIGHT & POWER 121-5

1912

Number.	Date.	From or To—	Subject.	
85587	12-18	Bd on Changes, NYS	Illuminating sets; change; inc/cost. N To NYS.appd.12/20.	
85667	12-18	Bd on Changes NYS	Inc. number elec. candle sticks; inc.cost.N To NYS.appd.12/21.	
			1913	
88377	1/23	To Dept. via C&R	Equipped with 16 searchlights, recommends 8 be removed.	708
92600	3-13	NYS 3375-2024	Searchlights; have receipt for 4 sets of front door glasses sent NY.L.	
93617	3/27	NY 370660-5	Estimate for installing wattmeters on electric galley circuits.L	
95025	4/29	To CO	Power summary list; request list showing leads for various power feeders; fwds prints and blank forms.L To---request reply.5/17. ARKANSAS: unable to make up with present ammeter.5-21	
96686	5/7	To C&R	Removal of vacant platforms,	708
98684	5-31	CO	Power summary list; fwds.L	
99070	6-7	NY 320-854-7	Portable deck winch; estimate for installaing elec.L Fwd C&R.6/10. RB 6 20 NY reqt.action.7-18 Fwd C&R.7/24. Fwd Dept.for action.7/24. RB 7 30 appd To---appd.7/31. Fwd C&R.7/31.	

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[OVER.]

ARKANSAS: LIGHT & POWER. 1912

Number.	Date.	From or To—		Subject.
78703	9-24	NYS		Gyro compass firing; none installed by contractors.L
78706	9/24	To Sperry Gyro.Co.		& WYOMING: elementary diagram of gyro.Compass.L
78748	8-28	Navgn		Gyro compass; will be ready for installation when ship arrives at New York; also reports contract awarded for Gyro for WYOMING: F class, G-1 and G-2.L.
79169	9-30	Phila	320-315-7	Reqt. instructions re testing generating set.N TO -- instructions. 10-2
79999	10-9	Sperry Gyro Co		WYOMING: fwds tracing of wiring diagram.L To NY.Fwds Vandykes.10/14.
80637	10-21	C&R	25327-E.293	Searchlight rheostat rooms; require no additional ventilation.L TO -- confirms understanding.10-22
81372	10-29	CO		Reqt. delivery of storage charging battery panel be expedited.L. To Phila.Asks when panels may be expected. Also for WYOMING. 11/1
81756	10-24 10-26	CO NY	370-660-18	Repair gen. set ammeter. L
81757	11-1	NYS	1273-2024	Searchlights supplied by Govn; only 4 sets spare parts received for 8 lights.L To---Requirements.11/13. NYS has instructed to ship to vessel 11-14

N.S.E. Form 134.

ARKANSAS: LIGHT & POWER. 121-5

Number.	Date.	From or To—		Subject.
82037	10-29 11-7	NY C&R	28493-E.15	Additional lights in powder passing rooms; asks if chargeable to Govn. L. Fwd C&R. 11/12
82219	11-9	Phila	320-322	& WYOMING: charging panels for storage battery; reports on status of delivery of material for; difficulty in securing rheostat,etc.L
82248	10-29	NY	330-175	Incidental C&R work in connection search-light. N controllers.L Fwd C&R 11/12
83103	11-20	NYS	1357-72815	Illuminating set; increased cost,changes. L To---appd. -To Gen Inspr for inc cost.11/23
83104	11-20	NYS	1358-7229	W.T. in lieu of NWT portables; est.inc.cost.L To---appd.-11/23 To Gen Inspr.11/25.
83106	11-20	NYS	1359-76717	Elec. galley gear; inc.cost.L. To---appd.---To Gen Inspr.11/25.
83109	11-20	NYS	1368-72221	Night signal set;re-location;inc.cost.L To---appd.--To Gen Inspr.for inc cost. 11/23.
83429	11-23	CO		Storage battery charging panel not yet supplied. L To Phila.regst notification when shipment is made.11/30.

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ARKANSAS: LIGHT & POWER: 1912

Number.	Date.	From or To—		Subject.	
72097	6-25	NYS	770-2016	States No.1 gen set is being dismantled by GE due to short circuits found in coils.L To GE and Mass.quotes letter.6/29.	
72207	6-26	NYS	778-2024	Test searchlights; fwds data; also data on ventilation rheostat store rooms.L To---Recst certain information.7/6. Fwd C&R.7/6. RB 7 10 Fwd C&R.7/20.	
72209	6-25	GE		Searchlights on contract 14154; contractors disclaim responsibility for condition of resistance coils.L Fwd NYS.7/6.RB 7 10	
72317	6/28	To Mass.		& WYOMING: Armatures for 300 kw sets; trouble with. - If shipped to Lynn directs examine and report condition.L	
72526	7-1	NYS	291-2024	Searchlight controller cable; relative to furnishing 100' lengths.L To NY.Items authorized after del.by contrs.7/5.	
72505	7-1	Cramps	480-150	Allowance list; candle sticks; objects to furnishing more than one fixture for each outlet on lighting system; no precedent	121-21
72762	7-5	NYS	813-2112	Gen sets; recommends provisions be made for using hand tachometer.L To---appd.7/9.	
73062	7-9	Ord	25124	& WYOMING: resistance needed only to charge Edison gun firing storage batteries.L Fwd Ports.in conn.with mfr of charging panels for NEW YORK and TEXAS. 7/12. RB 7-25	

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ARKANSAS: LIGHT & POWER. 121---5

Number.	Date.	From or To—		Subject.	
73359	7/13	NYS	854-2112	Gen.Sets: relative to changing balance weights and giving new tests to armatures.L NYS 7/19.States expect to finish changing on 17th. L	
73360	7/13	NYS	850-8691	Gen.Sets: requests instructions re making insulation tests on spare armatures.L To--To be tested in usual manner 7/16	
73829	7/19	NYS	890-6116	Turbo gen.sets: provides for using hand tachometer.L	
73927	7/19	NY	370-630-12	Turbo generating sets: spare armature: high potential test: recommends be made at yard in liey of at works of NYS Co.L To---appd.7/24.	
259	7/26	To NYS	& NY	Wattmeters: test on ship not required.L	629
74845	8/2	NYS	936-6116	Re-locate electroliers in Captain's stateroom and cabin.L To-Appd. 8/5	
75263	8/7	NYS	964-2024	Tests of searchlights and ventilation of storerooms where rheostats are located. Contractors request retest be not made. Disapproved.L To-instructions 8/1(	
78234	9-17	NYS	1099-335	Contractorrs have not installed any wiring for Gyro compass installation. L To Phila. instruc. 9/23	

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ARKANSAS: LIGHT & POWER: 121-5

1912

Number.	Date.	From or To—		Subject.
65587	4-5	NYS	388-2221	Night signal;fwds print.L
65720	4-6	GE		Searchlight on contract 14154; re unsatisfactory condition of on delivery. Was in perfect running order when shipment was authorized.L
65631	4/6	To Mun.		Turbine turning motors; factory inspection waived on starting appliances.S-L
66118	4-11	NYS	414-2024	Searchlights; states matter is between contractors and General Elec.L To---Were purchased on cont.14154. 4/16.
66119	4-11	NYS	415-2515	Portable elec.storage battery lights; gives numbr asks for by Inspr.Ordnance and asks if will be supplied.L To---& Cramps.36 portable el.storage battery lights will be supplied.Also WYOMING.5/1. BLRB 5-16 RB 5-20-Cramps
66787	4/20	To NYS		Reqst contrs' light list or summary of fixtures, giving total number and various types of fixtures as installed and authorized.L
66918	4-22	NYS	450-2221	Night signal set; reqt. Bureau furnish conductor cable for. L Fwd NY. Asks if has & cost. 4/25 RB 5-8 To S&A.Reqt shipment of cable to NYS Co.5/4. To---advising.5/6.
67514	4-29	NYS	476-229	Light list;gives prints and summary fixtures.L Have substituted 20 WT in lieu of NWT portable. 4-30

N.S.E. Form 134.

ARKANSAS: LIGHT & POWER: 121-5 1912

Number.	Date.	From or To—		Subject.	
68635	5/10	NYS		Comments on work reported as unsatisfactory on UTAH in connection with Gen.Set. etc	121--8
68698	5-13	NYS	538-2016	Gen sets; explains defects in armatures.L	
702 8	6-1	NYS	649-822-21	& JARVIS: recommends omission of w.t. box and pilot lamp for screen speed light; until after delivery; recommends installation by contractors on DOWNES.L TO --appvd. 6-5	
70858	6-10	NYS	670-2112	Gen set; GE is arranging to substitute weights made of manganese bronze and cap screws of Tobin bronze.L To---appd.6/14.	
71426	6-17	NYS	714-2024	Searchlights; re non delivery resistance clause for motors of.L.	
71424	6-17	NYS	715-2112	Turbo generators; re balancing weights. L To---rejected.6/19.	
71441	6-17	Ord	25124-72	WYOMING: storage battery charging panels; asks is Bureau has provided for.L To---will be mfrd at NY.-Fwd Phila.for comment.6/28.RB 7 6	
72066	6-25	Phila	320-322	Battery charging panel; work not yet started; material is assembled. L	

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ARKANSAS: LIGHT & POWER:

Number.	Date.	From or To—		Subject.	
61840	2-21	NYS	214-2221	Night signal sets; change in same will delay completion of vessel. L To---Bu will furnish contrs with cable. 2/24.	
61954	2-23	NYS	211-72210	Stern light; est. inc.cost due to change in type. L. To NYS.appd.--To Gen.Inspr.for inc cost. 2/28.	
61947	2/23	NYS		Fwds contractors comments on instructions for final trial, on water rate gen. sets.	121--2
62332	2-28	NYS	238-2024	Searchlights; reports resistance coil of training motors, elec. control, in bad condition from overheating. L Fwd G.E. for rec 3/6. RB 3-8 To---comment.4/10. To GE.reqst decision. 6/21.	
62645	3-4	NYS	249-153	Battle compass system; fws prints of power wiring diagram. L To---appd.3/7.	
62662	3-4	NYS	257-2024	Searchlights; reqt. shipment be expedited. L To GE.Asks when shipment may be expected. 3/8. BLRB 3-12	
62686	3/4	To Mass		GEN.SET: turbo: reqts curves of water rate, K.W. with accompanying curve of pounds steam, per cent of full steam pressure water rate.	660
63016	3-7	NYS	268-2024	Searchlight; contractors complain delay in delivery. L To--Left works 8th inst.3/14.	
63370	3-7 3-11	Dept C&R	26834-E.271 25096-E	& WYOMING; authorized changes in drain system shaft alley and bilges; at increased cost. N	121-15

N.S.E. Form 134.

ARKANSAS: LIGHT & POWER: 121-5

Number.	Date.	From or To—		Subject.
63429	3-11	GE	14154	Unstaisfactory condition of searchlights; GE has taken up direct with NYS.Co. L
63897	3-18	NYS	308-2221	Night signal sets; will submit modified plans length of cable necessary, later.L
64568	3-25	NYS	311-2221	Night signal sets;fwds print showing re-location.L To---Instnuctions re leads.3/27.
65171	3-30	NYS	354-103	Gyro compass system;fwds power plans modified to include leads for.L
65288	4-2	Bd. on Changes, NYS	377-72210	Portable signal lanterns for after anchor light;inc.cost. N To NYS appd.4/3.
65225	4-2	Ditto		Armoring searchlight cable;inc.cost. N To NYS. appd.4/3.
65431	4-4	NYS	389-72012	Est.for increase cost for change in turret blowers. L To---appd.4/6.
65560	4-3	Phila	320-322-5	& WYOMING; battery charging panel; asks if their manufacture is desired; submi s estimate.L To---Will be satisfactory in accordance with original design.4/9. To---reqst status.6/19.

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Number.	Date.	From or To—		Subject.
58019	1/8	NYS	16-72024	Searchlight cable; armoring of; est. inc. cost. L. To---appd.--To Genl Inspr. for inc. cost. 1/10.
58021	1/8	NYS		Reqt. searchlights to be furnished by Govn. be expedited. L. To GE. Asks if delivery 36" can be expedited. 1/10. To---Will be furnished before Feb. 20th. 1/15.
58465	1/11	GE	55	Searchlight; will be ready for shipment 2/20. L
~~54789~~		SEE CARD #8		Gyro compass; change in spcfns; To NYS Quotes 57095-488-5 of Dec. 28th. 1/12.
58535	1/12	To NYS		Gyroscopic compass; requests contractors prepare and submit working wiring plan. L
59273	1/22	To NYS		20 W.T. portable fixtures to be furnished in lieu of 20 N.W.T. portables, for use in or around fuel oil tanks, to comply with Spe. Order No. 84. Change in cost involved. L Reqt. interpretation. 1/23 To---Are same as those referred to in 58835-121-21 of 1/18/12. 1/27.
59360	1/23	To Mass.		Generating sets; 300 K.W.; requests water rate curves. L
59609	1/25	C&R	25055-E.25	Cold storage plans; re fitting blkhd lights. L Ret---1/30.

N.S.E. Form 134.

ARKANAS 121--5

Number.	Date.	From or To—		Subject.	
59705	1/24	Navg		& WYOMING: gyro compass installation; fwds print giving external connections and overall dimensions.	488-5
59366	1/29	Mass	384-18	Gen. set; water rate; fwds sheet showing curves. S-L Ret---Directs enter curves on tracing.2/2. RB 2-7 Fwd Bd I&S.2/24.RB 7-3	
59875	1/29	NYS	101-229	Lighting system; states discrepancies in Bu. references in plans and reqt. correction.L To---Correction directed.2/2. RB 2-12	
60184	2/1	NYS	110-2024	Searchlight rheostat; fwds print showing location.L. To---appd.2/3.	
60636	2-7	NYS	1132-	Reqt. instructions re omitting lamps in passageway to battle compass station in connection with omission of same. L To---Instructions.2/10.	
60115	2/8	to Dept.		Installation of night signal set aft. Rec this change be treated as change of cost under contract.	205-5
61065	2-12	NYS	123-2024	Searchlight rheostats; fwds prints showing location of. L	
61070	2/14	To NYS		Night signal sets; directions for installing. Change in cost. Quotes Dept's action No.26813-257, Feb.10th. 2/14.L	
61310	2-13	Mass	3384-20	Generating sets; fwds test sheets for spare armatures.S To NYS &---Prel accepted.2/17.	

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ARKANSAS: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—		Subject.	
53662	11/13	NYS	1284 -678	Fwd dynamo rooms; fwds prints showing elec. installation.L. To--Appd.11/24.	
53953	11/18	NYS	1306-264	Fwds catalog giving description of proposed elec. heaters, laundry and soldering irons. L To---Bu.appr installation of elec.heaters, etc.11/21.	
54120	11/21	NYS	1312-72210	Stern light; change in type; est.inc.cost.L To Gen Inp-Fwds.11/27. To NYS-Ref. to Bd. Changes.11/27.	
54350	11/23	NYS	1320-29	Fireroom lighting; submits prints; invites attention to location of gang switches,etc.L To--Appd.11/25.	
54634	11/27	Mass.	3384-12	Turbo generating sets; fwds test reports.S&L To NYS-Fwds copy of report.11/28. To--Prel. accepted and shipment auth.11/28.	
54752	11/28	NYS	1347-72210	Submits estimate sheets for stern light; change in type.L	
54789	11/14 11/28	Nav. C&R.	8402 25272-E.63	Re securing estimates of increased cost for wiring for gyro compass and accessories.L Fwd Dept-Concurs.12/2. C&R 12/13 regst/ret.L To C&R-Papers fwd to Dept.Dec.2.12/16. Fwd Nav/12/26.To NYS & Cramps-Quotes.	CARD 9 RB 12-28 12/26.
55241	12/5	NYS	1370-103	Requests wiring diagram, if insulation is contemplated.L To--Awaiting decision.12/9. To Nav-Reqt prints showing proposed gyroscopic installation.12/9.	
55584	12/7	NYS	1384-234	Generator leads in after dynamo rooms; fwds prints.L. To--Appd.12/12.	

N.S.E. Form 134.

ARKANSAS: LIGHT & POWER SYSTEMS. 121--5

Number.	Date.	From or To—		Subject.	
56154	12/14	NYS	1412-2024	Operating gear for searchlight rheostat; fwds prints.L To--Disappd with comments.12/23.	
56259	12/13	NYS	1407-2329	Leads through W.T.plate in turret tube; fwds print.L	
56761	12/19	Nav.	8755	Gyroscopic compass; installation; fwds print of showing external electric connections.L	
56985	12/13 12/19	Nav. Ord.	8725 24176-47	& WYOMING: installation of gyro compass. Recommends certain work be done by contractors at change of coat.L Fwd Dept-Concurs.12/28. RB 1-18 a'ppd To Cramps & NYS.Instructions.--Fwd Nav.via Ord.regst wiring plans.1/19. RB 2-6 Fwd Nav. via C&R. 2/8	
57025	12/26	NYS	1561-2024	Searchlight rheostat operating gear. Recommends handles be placed in distribution room as close as practicable to bulkhead or mounted on same. L To--Will consider; submit sketch.12/28.	
57216	12/27	NYS	1457-227	Fire room lighting; fwds prints showing arrangement. L	
57534	12/23	C&R		& WYOMING: relative to necessity of placing switchpanels near master compas.	488--5
				1912	
57988	1/6	C&R	25263-E.8	Searchlight platform; fwds print. L	

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ARKANSAS: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—		Subject.	
46566	8/17	NYS	970-229	Fwds prints showing wire leads in ammunition passages. L	
46631	7/28	GE		SEARCHLIGHTS: fwds list of on various contracts not yet delivered and reqt instructions re change to armoured controller cable for:	708
48364	9/11	TO NYS		Searchlight cabl s: directs return to GE Co; have ordered other with armoured copper wire.L	
48632	9/14	C&R	25099-E.25	Fwds prints showing modification to dynamo fans. L Ref. C&R satisfactry 9/25	
48899	9/18	NYS	1092-229	Lighting in turrets & upper handling rooms recommends additional magazine fixtures. To - authorizes 4 addi. 9/23	
49527	9/26	GE Co	T	1st gen. set tested and approved; reqt. shipment be authorized.L. To Mass - accept 9/27 To - have instructed Mass. 9/27	
49478	9/25	GE		SEARCHLIGHTS: control cables for: ordered to proceed with mfgr.	708
50211	10/4	NYS	1164-229	Lighting system; fwds drawings giving summaries of fixtures and wire on main and bridge decks. L	
50216	10/4	NYS	1156-4512	Fwds prints of wire leads on after fire control tower, and suggests changes in stern light and top light.L. To---Appd as mod.10/10.	

N.S.E. Form 134.

ARKANSAS: LIGHT & POWER SYSTEMS. 121-5

Number.	Date.	From or To—		Subject.	
50350	10/5	Mass	3384-5	Gen sets; fwds test report. S	
50697	10/9	Mass	3384-8	Turbo generators; fwds test report. S	
50802	10/10	NYS	1188-678	After distribution room; fwds prints showing location of switchboard rheostats,etc.L To---Appd as mod.10/18.	
50958	10/12	NYS	1192-229	Fire room lighting; fwds prints showing; reqt. instructions re switches for individual lights, etc. L To---Instructions.11/4.	
51086	10/14	C&R		WYO. & addi. wattments for dis. board RB 12-7 a ppd	488-5
51380	10/11 10/18	NYS C&R	1192-2210 25225-E.20	Re location of range light.L. Ret C&R.Refers to 36214-488-5 of May 11th. 10/20.	
51802	10/23	C&R	25263-E 4	Searchlight platform; fwds prints.L To---Satisfactory as commented.10/31. To---Other modifications.11/15.	
51833	10/24	NYS	1212-678	After distribution room; fwds print.L	
52611	11/2	Mass	2384	Turbo gen.sets; fwds test reports.S To NYS Prel accepted.11/8.	
52944	11/7	NYS	1267-678	After dynamo room; fwds print showing elec installation in.L. To---Appd.11/14.	

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Number.	Date.	From or To—		Subject.	
39935	5/29	NYS	680-2815	Illuminating outfit; recommends increase in wire size of dressing cables, etc.L. To -- Size should be increased.6/8.	
40068	5/31	Brook	4746	Turbine turning motors; fwds test record Diehl Mfg.Co.S. To NYs & Brook. Prel.accepted·6/3.	
40137	6/1	To NYS		ARKANSAS: orders for elec. material, searchlights, etc	121--3
40594	6/6	NYS	706-229	Summary of lighting fixtures: fwds prints showing alterations in. L	
40802	6/9	NYS	735-2210	Anchor lights; re location on flagg staff and jacks.L. To -- Approves use of portable white signal lantern for stern anchor light.7/	
41108	6/13	NYS		Signals, night: reqt additional information in connection with states spare parts does not agree with allowance list	711--1
41295	6/15	NYS		Relative to method of securing switches and receptacles on main deck at barbettes.L To --Apprd as mod.7/3.	
41301	6/15	NYS	762-2012	Spare parts for 1/4 HP port. ven. sets; re supplying.L. To --Disapprd omission of spares.6/22.	
41291	6/15	NYS	758-1118	4-light electroliers are defective.L Fwd Brook. for comment and red. 6/24. RB 7-4 Fwd NY.Instructions.7/10.	

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ARKANSAS: LIGHT & POWER SYSTEMS. 121--5

Number.	Date.	From or To—		Subject.
41502	6/17	NYS	774-15	Fwds list of spare fuzes for junction boxes. L Ret -- List apprd.6/24. RB 6-28
42146	6/24	NYS	787-2818	Illuminating outfit: fwds plans. L
42409	6/28	NYS	813-229	Fwds letter from contrs. re method of securing switch and receptacles at barbettes. L
43172	7/10	TO GE		& WYOMING; controllers for truck and screen speed lights; asks why drawing was modified.L
43322	7/11	NYS	835	Reqt. information re type of operating reflectors in sick bay.L. To -- Approved.7/13.
43546	7/12	GE	59	WYOMING; controllers for truck and screen speed lights; gives reasons why changes were made.L. To -- Directs changes on Dr .870-H. 7/21.
43657	7/14	NYS	859-229	Fwds sketch showing methods of securing switches and terminals on main deck at barbettes. L
44808	7/28	NYS	905-229	Ammunition passage; fwds prints.L To---Apprd asmod.8/5.
45086	8/1	TO NYS		Fire room lighting; directs plans be drawn up in accordance with scheme enclosed.L

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FILE No.		From or To— (Dated)		Subject.	
36225	4/12	NYS	451-239	Power system wiring; fwds prints.L.	
36249	4/15	To NY		SEARCHLIGHTS: directs stowage behind armour be provided for only 8 of the 16 additional.	708
36956	4/24	NYS	500-277	Summary of lighting fixtures; recommends change in number of battle lanterns to allow one for each additional searchlight.L To -- Apprd 5/22.	
37361	4/28	Avery, W.Y.		& WYOMING: Reports on inspection of switchboard material at Walker Elec. Co. and Cutter Elec. Co. L	
37607	5/1	C&R	25224-E.1	& WYOMING: Fwds corres. and print showing stern chock and flagg staff and reqt. instruns. relative to staff carrying running light.L Fwd Dept. Noted. Print fwd. 5/16.	
37693	5/2	NYS	529-229	Lighting system; fwds print giving summaries.L	
38132	5/6	NYS	524-2016	Turb. gen.set; fwds print of field rheostat.L Ret -- apprd 5/12. RB 5-16	
38660	5/13	C&R	25099-E.20	Dynamo rooms; genl. arr. fwds prints.L Ret -- Satisfactory as mod.5/18.	
39407	5/23	TO NYS		Searchlights: stowage of eight; gives directions for. L	
39408	5/23	To C&R		& WYOMING: do	488--5

FILE No.		From or To— (Dated)		Subject.	
34767	3/27	NYS	373-2616	Switchboard: fwds list of spare parts. L Ret -- Apprd 4/26. RB 5-1 Reqt. action on. 4/22 Ret -- Rel size of fuses.5/11.RB 5-20 To Cramps.Apprd.5/24.	
34872	3/28	NYS		Illuminating outfit: fwds plans with comments. L Ret -- Apprd as mod.3/30 R.B.4/8	
32996	3/31	Fwd Cramps via NYS		& WYOMING: Addtl searchlights; desires be installed.	488-5
35141	4/1	GE	(T)	States Diehl Co. placed order for turbo sets today. Unless sets for FLORIDA ordered immediately ARKANSAS sets receive precedence. Y	
35147	3/31	TO NYS		Conductor cable to be inspected by Inp GE.	
35203	4/1	NY Yd	370-630-9	Turbo-generator set: Diehl Co. submits result of test. L To -- Apprs rejection 4/4. Fwd NYS. advises of rejection 4/4. R.B.4/11	
35473	4/5	NYS	427-229	Fwds prints of 5-light reflector modified for portable fixtures. L Ret -- apprd 4/7. R.B.4/11	
35665	4/7	NYS	441-2016	Turbo gen sets; fwds plans and list of spare parts. L RET--Apprd as mod.4/11. RB 4-21 Ret -- apprd 4/25. RB 4-27	
31830	4/11	To Cramps		Dynamo room: reqst addtl print showing arrgt of machy.of WYOMING. L	

FILE No.	From or To— (Dated)	Subject.	
33885 3/15	NYS	Lighting system; fwds prints showing changes in wire sizes.L.	
34024 3/17	Nys 316-2616	Fwds prints of name plate for switchboard.L. Ret-- Apprd as mod.3/24. R.B.4/5	
34019 3/17	NYS 317-1114	Contractors propose using Keystone volt and ammeters; Inspector states instruments are not satisfactory. L Ret -- Not apprd 3/21. R.B.3/25	
34328 3/22	Diehl Mfg. Co. (T)	Gen. sets - requests N.Y. Yard work overtime to complete tests. L Fwd NY for recommendation 3/22. R.B.3/28	
31620	See card #2	Installation of addtl searchlights and torpedo defense system. Ret NYS. Comments.3/21. R.B.3/24. Fwd NYS Grouping of guns apprd; searchlights should be arrgd in unbalanced position.3/25. R.B.3/29	
34373 3/22	NYS 22351-7229	Submits estimate for increased cost for 20 additi nal lights in engine room passage. L To Gen Inspr. for inc cost. - Ret -- apprd. 3/24. R.B.with comments.4/6. To Gen Inspr. Letter of 24th Mar.canceled.4/7.	
34446 3/23	NY Yd. T	Turbo gen. sets; work overtime in 2 shifts to expedite completion.L	
29209	See Card #1.	To NYSPlan Satisfactory. - Fwd C&R for comment. 3/25. To Cramps. Fwds plan. Reqsts Plan showing electric leads at base of turrets.3/25. R.B.from C&R 4/1. Fwd NYS for information 4/5. R.B.4/11	
35083 3/31	NY	FLORIDA: rel placing order forgen.sets. states ARKANSAS failed to work.	205--5

ARKANSAS: LIGHT & POWER SYSTEMS.

FILE No.		From or To— (Dated)		Subject.	
31620	2/14	NYS	182-3024	Suggestedlocations for 16 searchlights; contractors interior communication plans were drawn up on the base of 8 searchlights; reat. instruns. L Ret -- 2/18. R.B.2/21. Ret -- Quotes Dept's appr for ARK.and Wyo.3/13. R.B.3/17.	See card #3.
28715	2/14	To C&R		Night sig.sets: Rigging and outboard fittings: Changes for WYOMINGapply to ARKANSAS.	488--5
31870	2/17	To NYS		Quarter deck will be located on main deck fwd of frame #52, and instruments will be located on fwd side of diagonal bulkhead at about frame 40, main deck, starboard.	
32263	2/23	TO Dept VIA C&R		AND WYOMING: location of searchlights; asks if Dept. decision re installation of on battleships 34 and 35 is to apply to. L	
32571	2/27	C&R	25263-E.1	Searchlight platform; reqt. instructions re; ALSO WYOMING. L Fwd Dept 3/6.	
32828	3/2	NYS	257-2616	Gen. & distribution switchboards; fwds Walker Elec. Co. drawings. L	
32900	3/8	To NYS		Contrs may change the size of feeders B-25 and B-26, since the mercury vapor lights are wired two in series.	488-5
33600	3/11	Hart	456-33-724	Test of turbo gen. sets: fwds report and recommends shipment of machine be authorized subject to subsequent test. S Fwd NY.Bu.will rec.test at NY Yd on reqst of NYS Co. 3/14. R.B.3/23	
33463	3/10	To Dept		& WYOMING: Illuminating set: reqt auth to make changes at increased cost	488--5
33808	3/14	NYS	T	Gen. set: reqt. bureau authorized shipment to NY Yd for test.L. (T)to Hart.Shipment auth.3/15. To -- Test to be made - chargeable to Contrs. To NY Instructions re test 3/17.	

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ARKANSAS; -- LIGHT & POWER SYSTEMS.

FILE No.		From or To— (Dated)		Subject.	
28247	12/29	Genl Elec.	239-1-12	36" searchlights; reports shipment of coils covered with silk wire to New York	
28608	1/7	NYS	21-239-2616	Switchboard; & power plant; fwds prints showing alterations	
28876	1/11	NYS	36-239	Distribution boards, power deck plans, etc. Ret -- Change in wiring diagram 1/13. R.B.2/21	
29209	1/16	NYS	60-2329	Arr. of wire leads in turret; fwds prints Ret -- Satis.as mod.2/4. R.B. 2/25 Fwd Ord. Plan satis.to Bu.2/27. R.B.3/2 Ret -- Satis.as mod.3/13. R.B.3/21	See Card #3.
29204	1/16	NYS	53-239	Switchboard and power deck plans: fwds letter from contractor objecting to congestion on back of switchboard if made in accordance with plan	
30530	1/31	C&R		SEARCHLIGHTS: for VARIOUS SHIPS: auth 16, rel location, reqt data on: etc To Cramps: Quotes Dept's appr. of location for ARK. and WYO. 3/14.	708
30635	1/31	NYS	118-229	Lighting system; fwds deck plans. L Ret -- Plans satisfactory 2/3. R.B.2/7	
31221	2/8	C&R		NEW YORK: Fwd prints showing assignment of rooms on quarterdeck.	131--5
31164	2/8	NYS		Reqt. approval of drawing of screen hlkhd fixtures be expedited. L	
31621	2/14	NYS	177	Fwds prints showing arr. of leads through the "through type" magazine and bunker fixtures. L Ret -- Ret for further information 3/27. RB 4-24. To -- apprd 4/28.	

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Number.	Date.	From or To—	Subject.
652650	12/11	To S&A 1691	Reqst shipment of mat frm Washn to SO NY W RB 12/26 W To CO- Fwds plans cc C-I-C 12/19

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
610502	2/13	CO	Fwds print to accomapny instrn booklet. W
616293	3/7 3/29	CO Atl.Fleet	Request replace loading indpctance for 20 KW arc transmitter with later type in store at N.Y. W. To NY- Bu doesn recognize type of loading coil referred to as being in store at NY 4/15 W NY 4/21 W
616313	3/7 3/9	CO Atl.Fleet	Request install extensions for radio telephones in flag office. W.
616901	4/5	To Pug Snd (T)	Ask if extensions for flag office Model tare boy and tare cast radio telephones instld ARKANSAS in stock not originally instld as vessel not flagship then needed now W Pug.Sd. (T) Radio telephon extensions not in stock 4/6 W. To Pug Snd (T) reqst disposition spare 4/8 To CO (T) alteration-- Ask if spare extensions and one spare TB extension on board 4/10 Pug.Sd- (T) Spare extension plates on board 4/13 W. CO ARKANSAS 4/11 T. Spare extensions on board W To USS ARKANSAS via Atl-Flt-Div 5- Appvs instln of extension in Flag Office 4/15 W cc NY US Atl Flt.

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N.S.E. Form 134.

121-6

Number.	Date.	From or To—	Subject.	
623229	5/2	Atl Battleship Force	Report of inspection of radio & sound equipment W	
613757	5/17	Atl.Battlshp Force	Uni wave keys for arc transmitters on ARKANSAS & WYOMING. W. 898	
625154	5/10 5/23	CO Atl Fleet	Nothing heard of radio beacons on radio compass at Entrance to New York Harbor W	
645933	10/9 10/16	CO Atl. Fleet	Sound proof booth- - recommends R type and E type. W.	
652890	12/8	NY	Ask when material to complete radio projects will be shipped W To NY - Gives inform rel material cc scouting fleet- CO 12/29	

4—3381

[OVER.]

ARKANSAS; RADIO 1921

Number.	Date.	From or To—	Subject.	
563569	5-14	To S&A	Reqst shipmt of radio receivers from Puget Sound to Washington W 7416 Washn- 11/30 W	
563568	5-14	To S&A	Reqst shipmt of radio receivers from Wash to Puget Sound W 7415 RB 7/14	
542324	5-16	To Puget Sound	Radio tele- WYOMING ARKANSAS N.Y. and TEXAS instaln of new radio equipment during coming overhaul . W	902
574497	7;11	C&R	Copy of letter to Pug Sd authorizing indicental work in connection with instaln of TC telephone.W	
582915		see card 12	To S&A Reqst shipmt of spare parts from Phila to CO 8635 8/26 W	
595570	11/8 11/12	CO At.Battleship Force	Request armature for motor for intra fleet set be furn. W. To Atl Fleet- Gives Action 11/29	

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121-6

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ARKANSAS: RADIO 1921

Number.	Date.	From or To—	Subject.
597400	11/29	To NY	Instln of radio equipment on Fwds Vandykes W cc C-1-C Atl Fleet- Co's ARKANSAS WYOMING W
BELOW			N.Y.- 12/7 W. CO -(T) Rqst new motor and blower be furn. 12/24 W. To C WYOMING Comdt NY (T) gives inform rel blower also shipping instrns 12/28 W
597398	11/28	To NY (T)	To Phila (T) Gives inform rel blower 12/28 Authd proceed manufacture main antenna W To Pug Snd (T) Report percentage completion main antenna 11/28 Pug.Sd.- (T)- All work on transferred to N.Y. 11/28 W.
9 597400		fwded from above	To NY (T) plans showing external connections fwded Eng - receiver unit to installed model G Booth before sailing period Gives inform W 12/30 N.Y.- Material received 12/28 1/6 W To Phila (T) Ask if blower issed to OHIO for WYOMING W 1/9/22 Phila- Blower ~~shipd~~ 1/3- 1/10 (T) Y Atl.Battlship Force-C O Wyoming asks when blower may be expected. 3/2 W. To CO- spark gap blower was shipped on 1/3/22 via the RELIEF on bill of lading 3/22

4—3383

[OVER.]

N.S.E. Form 134.
121-6

ARKANSAS RADIO 1920

Number.	Date.	From or To—	Subject.	
470501	1/19	C&R	Copy telegram to Puget Sd approving alterations to upper deck radio houses for radio compass on ARKANSAS NY and TENNESSEE W	919
477358	2/24	To S&A	Reqst shipment from Mare Island to Puget Sound, radio apparatus for ARKANSAS N.Y. and TEXAS. W	898
451784	see card 11		Pug. Sd-fwds radio prints-3;18	
483421	3;24	Pug Sd	Request authority to relocate starting resistance on Interfleet booths of WYOMING ARKANSAS as shown on Bureau drawing.W	
To Bat Div 6(T)-Pug Sd auth to make change if desired. Reqts to be fwd via Pug Sd. copy to Pug Sd.		3-30		
To Pug Sd(T)-Relocation auth if desirable. copy to Bat Div. #6		3-30	Div 6--T--reqt action concerning relocation of starting rheostat-3;29-W	
482941	3/20 3/22	Pug Sd (T) S&A	Request wire for radio instlns, ARKANSAS NEW YORK, & TEXAS. W Fwded S&A 3/22.	906

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[OVER.]

121-6: ARKANSAS: RADIO:

Number.	Date.	From or To—	Subject.	
458372	3;16	Pug Sd	Fwds list of transmitting apparatus from WYO ARK & NY.	131-6
485980	4;6	Pug Sd T	Request authority to interchange radio batteries.W Pug Sd-T-impossible to make identical arrangement as on WYOMING-submits recommendations.W To Pug Sd(T)- Disappvd. make ARKANSAS battery installation same as WYOMING.4-8 To Pug Sd(T)- Appvd. 4-10	4;9-W
488917	4/14	Pug Sd	Compensating set for main 5 KW spark transmitter not advisable to equip WYOMING ARKANSAS TEXAS with same, at this time. W	898
492650	5/5	P Snd	Arrangement of radio apparatus in main radio room - fwds prints - W	
494756	5/14	P Snd	Fwds vandykes and sample covering substitute for insulator - W To Pug Snd Gives inform re insulators CC	CO 6-8.
496127	5/21	P Snd	Fwds special radio reports - W	
527040	10;28	CO	Request be placed on mailing list for monthly radio bulletin.W	
562915	5;5	Pug Sd	Request arrange for direct shipment of spare part boxes for 5 kw transmitter.W	

Fwd SO Brook 6/4 RB 7/11
Fwd Pug Snd 7/14 RB-5;20 W
Fwd Boston cc ug Snd 5/20 RB-6;2-W

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ARKANSAS: RADIO: 1919

Number.	Date.	From or To—	Subject.	
448673	10-3	To S&A	Reqt shipment sound proof receiving booths from Chasn to Pug. Sd. 10-3 R B 1/22 To Pug Sd- Sound prrof booths shipped from Chans 10-22. to Pug Sd. 11-24	
451784 T 3	10-15	Pug Sd. (T) To Pug Sd(T)-Has work started on radio alterations WYOMING & ARKANSAS. Plans similar will be mailed for TEXAS & NEW YORK. 10-28 Oug Sd-T-status of work-10;31 To Pug Sd-(T)-Scheme B for location aux radio room WYOMING & ARKANSAS satis. copy to C&R.11-14	Reqt plans showing layout of radio and auxiliary radio also trunk for ARKANSAS NEW YORK, WYOMING & TEXAS. W To Pug Sd(T)-Room layout plans being mailed 17th. Proceed any work possible. 10-16 To Pug Sd-Fwds prints. 10-18 copies to CO WYOMING & ARKANSAS & C&R.	
452117	10/16	C&R SEE CARD 12 To C&R- Gives detail action. 10-28	Reqst recommendations as to use of old radio room as battery charging room- also modification to voice tubes. Y	121-8
451907	10-15	C&R	Copy of letter to Puget Sound fwdg prints showing radio installation.	W
454503	10-30	To S&A	Reqt shipment transmitting sets from Boston to Pug. Sd. W RB-3;26	
427894	11/4	P Snd	Ask if Bu. will retain present type of radio apparatus on board WYOMING: ARKANSAS, NEW YORK & TEXAS .	493

N.S.E. Form 134

121 - 6 ARKANSAS; RADIO 1919

Number.	Date.	From or To—		Subject.	
448787	11/18	To S&A		Reqst shipmt from ARKANSAS to Washington British radio equipment on board W	976
458596	11-21	To S&A		Reqt shipment insulators from Phila to Pug Sd. W RB-1;16	
			1920		
467312	1;5	Pug Sd	copy	Ask if can ship at once copper sheets as listed for antenna trunks.W C&R-copy-of telegram to Pug Sd in connection with radio work to be performed on ARKANSAS OHIO WYOMING & TEXAS-1;6 Pug Sd-copy-1;10	
469281	1/10	Pug Sd	T	Copper for antenna trunks-request express shipment of- recommends vessel be not held solely for reinforcement of cage mast. AWL&Y Fwd Operations. copy to C&R & Pug Sd. 1/15.	121-8
472346	1-29	To CO		Hudrophone equipment on.Advise disposition of oscillator. 1-29 CO-no record of receipt of installation of oscillator-3;19 cross to 7	
473025	1/31	To Cdt Wash		Force tune system on- ARKANSAS and WYOMING. appvl reqst from Puget Sd Yd to install on WYOM rec equip intended for ARKANSAS. Req shipt recds be changed. copy Puget Sound	W

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[OVER.]

ARKANSAS: RADIO

Number.	Date.	From or To—	Subject.
384113	1-11	To S_A	Reqst ship from Phila to CO radio appr for RB 1;31;19
386908	1;18	Norf	Fwds print of finished antenna plan W
388863	1;15 1;24	CO At Flt.	Req. coil in accordance with print enclosed be manfgd. for radio apparatus W To- New coil being built at Wash Yd and will be furnished as soon as completed. 2-1-19 To Wash- Reqts build aerial coil for and notify Bu when completed so that shipt instruction can be issued. 2-3
400722	3-2	Guantanamo	Commanding C ief has requested report on operation of inter fleet radio set W
412938	4-24	To S&A	Reqt shipt amplifier from Wash to NY. W RB 5;13
416914	5-9	To C-C U S Fleet.	Fire Control radio transmitter for. Being shipped from Wahs. copy to CO. W

Wash. req. shipping instr. will complete aerial coil 5;2

To S&A- Reqt shipt Radio aerial coil from Wash to CO. W 5-9-RB-8;12

N.S.E. Form 134.

121 - 6 ARKANSAS: RADIO 1919

Number.	Date.	From or To—	Subject.
423008	6-5	To S&A	Reqt shipt short wave wavemeter from Wash to DO. W R B 11/17
431329	7-10	To S&A	Reqt shipt audion control box from Wash to CO. W RB-12;8
431839	7-15	To CO (T)-	Radio receiving equipment expressed from Wash to Norf. July 14th. W
44656[1]	9;20	Pug Sd T	Request expedite plans and data regarding radio installation on the WYOMING NEW YORK ARKANSAS AND TEXAS.W C&R 10-15 Copy of telegram to Puget Sound giving action. Pug Sd-10;15 To- Fwds Vandykes. 10-23
446394	9-22	To S&A	Reqt shipment receivers from Wash to Pug Sd. W
446814	9-23	To I.M. Norf	Transfer of outstanding radio work on, to Pug. Sd be expedited. W RB-9;29

Number.	Date.	From or To—	Subject.	
317940	6-18	CO T	Request instructions for operation and installation of radio compass. W To C O. (T) Instructions being fwd from Phila 6-24 To Phila (T) Fwd one copy radio compass 6-24	
317911	6-20	To S&A	Rqst shipmt radio apparatus from Wash to CO W	
319561	6-22	Norf	Confirms telephone conversation in connection with changes to be made in radio installation. W	
320729	6-27	To S&A	Rqst shipmt radio set from Wash to C O W To CO, Failure to report receipt of radio 7-23	
320926	6-28	To C O	Fwd prints re install of radio compass equip W	
322820	7-3	To C O (T)	Special radio equip expressed by Norf boat leaving Wash July 3, W	

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N. S. E. Form 134.

121 —— 6 ARKANSAS: RADIO:

Number.	Date.	From or To—	Subject.	
324045	6-23	CO	Radio house taken from ARKANSAS will be returned to Norf Yd.	455-6
324762	7-15	To S&A	Rqst shipmt radio apparatus Wash to CO. W To S&A Amending above shipmt order 7-20 To CO, Rqst acknowledgement of radio 8-8	
334507	8-9	To S&A	Rqst shipmt wave meter Wash to CO W -RB-	8;12
340009	8-20	Norf	Trunk plans radio telegraph fwds prints	- W
343394	9/3	To S&A	Rqts shipt of radio matl from Wash to N N ews for ARKANSAS	918
365907	11/6	To Norf.	Reqts drawings of Break Keys. W Norf. will fwd pland Dec. 7 W 12;4 Norf. fwds prints 12;20 To Norf. reqst drawing be fwded. Bur: 11/6/18	121-20

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[OVER.]

1918

ARKANSAS: RADIO.

Number.	Date.	From or To—	Subject.
279794	2/7	Commander Battle Ship Force R	States Sperry can supply short wave transmitter Feb 15th - W To (T)-Sperry reqted deliver short wave radio transmitter receiver reqted shipped from Washington. 2-9 To S&A-Reqt shipt radio receiving set from Washington to CO. 2-9 To Sperry(T)-Reqts one short wave buzzer radio trans set be delivered Laboratory NY for test and installation ARKANSAS. 2-9
282098	2-17	Sperry Co.	Short wave radio transmitters contract #33275 Fwds. print. D.
281871	2/18	Battleship Force No 2 R	Request radio receiver - W To S&A-Reqt audion control box shipped from Washington to Co. 2-21 To(T)Audions will be expressed. 2-21 Shipment order 2-21 RB 6-22
283917	2/20	Atl Flt	Request Edison batteries for ultra audion sets - W Reqt shipt two 100 volt Edison storage batteries from Wash to CO. 2-26
~~286113~~	~~2/27~~	~~CO~~	~~Short wave transmitter - submits report on location recommended - W~~

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N.S.E. Form 134.

121 - 6 ARKANSAS: RADIO

Number.	Date.	From or To—	Subject.
274984	3-8	SEE CARD 7	Fwd Dept via C&R. 3-8 W RB 3-21. W
288344	3-11	Comdr Battleship Force T	Request shipment ofaudion bulbs. W To S&A- Reqt shipt 8 audion bulbs. from Wash To CO. 3-14
291237	3-22	To S&A To CO. W	Reqt shipt one radio compassfrom Phila R B 6/25 To Phila, commenting on Radio Compass, 7-5 Phila - copy of letter to CO - 7/11
291480	3-25	To Phila phone. To- phone-Call Bu next week in re compass to be shipped. 4-4	Shipt of compasses. Reqts expdition. To- Has taken steps to furnish you with oscillation transmitting equipment. Permission granted to dismantle the transmitter in whatever way you desire. 3-29
295084	4/4	Battleship Force No 2 T	Request a l ng wave Navy type arc receiver - W To(T)-Long wave receiver shipped Norf 4/10 Wells Fargo lading 11509. 4-12
295165	4-2	NY	Fwds radio drawings covering report of test on Sperry short wave transmitter onthe ARKANS as
293844	4-2	To S&A	Reqt shipt one long wave receiving set from to Washington. W To-Reqt shipt laong wave receiving set from Wash to CO. 4-3 CO 7-17
299223	4-22	To S&A	Reqt shipt phones-batteries-one battery charging panel from NY to CO. W NY copy of letter to S A stating radio apparatus not rec. W 4/30

S & A Copy of letter to NY covering shipment instruc.W 6;13

4—3381 [OVER.]

1917 1917

7

ARKANSAS: RADIO.

Number.	Date.	From or To—	Subject.	
228022	5-14	To S&A	Reqt sh pt of receiving set from ARKANSAS to. ALLEN.	570-6
231514	6/2	To S&A	Reqt shipt of one instruction set from Wash to.W	
Reqn 595	7/5	To CO	R eqn disappvd. WR	
234943	6/21	Norf	~~Repeater compass in radio direction finder - fwds prints W~~	
258890	11-7	To S&A 920 Boxes	Reqt shipt one audibility meter No. 129 from to radio sta. Belmar N.J. 11-7	
260719	11-12	Atl Flt	Transfers full radio set from ARKANSAS to DELAWARE - W	182-6
261480	11-17	CO R	Audion bulbs and declometers - request to replace those transferred to ARKANSAS - also request miscellaneous radio apparatus - W	488-6
264081	11/23	Battle Ship Force No 2	Gives list of radio equipment reqd - N	

N.S.E. Form 134.

121 -- 6 ; ARKANSAS: RADIO

Number.	Date.	From or To—	Subject.	
263412	11-28	To S&A	Reqt shipt 6 doZ. ever ready batteries from Washington for. W To- Reqt shipt various radio material from Wash to . 11-30	
264492	11228	CO	Reports receipt of Koster declometer from the ARKANSAS - W	169-6
264272	1201	To Norf & CO	Low power series starting resistance of radio arc set. Reqts inspectin W	
270070	12-28	BS Force #2 R	Request spare glasses forarc ~~elec~~ alcohol drip feed pots.W To CO-(T)-Compass will not be installed present overhaul. ~~Final~~ 12-31	
270873	1-4	To S&A	Reqt shipt two glasses for 20 kw arc alcohol drip feed pot. from Wash to CO. W	
	1/14	CO	Reqst short wave transmitter - W	
274984	1-22	To Bat Force 2 via Comdr-in-Chief	Short wave transmitter. Directed to obtain 1/2kw transmitter for "A" station. W	
	To ATL FLT- 2-16		Atlantic Fleet 1-28.	
	Atl Flt-Install will be done by ship's force.W 3-5		Atl Flt--1/28. SEE CARD 8	
278434	2-4	To NY(T)-	Atl Flt - 2/21 - W Installation aux radio room authorized. W	

NB—0120

[OVER.]

1916

ARKANSAS: RADIO.

Number.	Date.	From or To—	Subject.	
202604	10/14	NY	Radio arc generator; fwds print.W	
200123	10/30	To NY	Auth install of direction finder on.	919
204359	8-30 10-13	CO NY	Estimate for radio work.W To NY--Gives action on. 11/7 Fwd C&R--With rec. 11/7 RB 11-27	
204789	11-6	NY	Radio direction finder; estimate for installation.W To--Est appvd. 11/9	
205621	11/15	To NY T	Fed Tele Co has reqted Dr. Cohen be present test his relay keys contact 346 arc radio set for. Ask when test will be made. W NY test arrgd for Nov 20 11-16	
206832	11-17	CO Personal	Radio direction finder; will be installed before ship leaves yard.W	
209052	12-18	At Flt	Directs FLORIDA transfer Kolster decremeter to ARK. W	
210236	1-2	Phila	Box of lost parts of Kolstermeter; fwds copies of corres.W.	

N.S.E. Form 134.

1917

ARKANSAS: RADIO. 121 -- 6

Number.	Date.	From or To—	Subject.	
210423	1/4	CO T	Unable to locate parts of Kolster meter shipped from Phila; request permission to send personal messenger to yard to obtain.W To --(T) Missing parts shipt express Jan 3. 1/4 S&A Supply Officer, NY, reports receipt of all parts 1/10	
211150	1-9	Phila	Request confirmation of order to ship field sets from ARKANSAS.	324-6
212305	1-23	CO R	Request authority to replace control gear Kolster meter. W To--(T) Alterations auth. 1/23	
212378	1-23	NY	Transfer switch; submits estimate for installation.W ~~To--Appvl withheld pending receipt of report on trial of relay loaned to. 2/2~~	
216844	3/9	To CO	Ask if hand cart and spare trans on hand. Ask auth for wave meter, as records show wave meter on board trans to NEW YORK. W CO 3/20	
222531	4-12	NY	Special receiver and transfer switch; submits estimate early date.W.	
228023	5/14	To S&A	Reqt shipt of receiving set from Wash to. W	

NB—0120

[OVER.]

ARKANSAS: RADIO:

1915

Number.	Date.	From or To—	Subject.	
173001	12-4	To CO.	Ultraudion detector box and bulbs; auth transfer to NEBRASKA. W	
174548	12/20	Atl Flt	Reqt authority to transfer receiving sets ARKANSAS to NEW YORK, NEW YORK to TEXAS, TEXAS to ARKANSAS	898
			1916	
175571	1-5	C&R	Metal radio house; Adm. bridge. Fwds proposed plan.W Fwd Atl Flt-- For comment. 1/10 RB 2/15 Fwd Atl Flt--For further rec. 2/17 RB 3/30 Fwd C&R-- Concurs in CO. 3/31	
177661	1-31	To CO.	Hand cart for portable radio set; asks disposition of. W CO 2-10	
			184910	
184910 VOID	4-14	FR	Trial trip; copy of contractor's letter forwarding plans of instrumens, and arrangements to Board Inspection.N	
184909	4-6	CO	Reqt autho ity to turn in Telefunken transformer. To Via NY-- Appvs. 4/18	
186770	5-4	NY	Have issued loading coil for auxiliary antennae ex-PARKER. W	

N.S.E. Form 134.

121 — 6 ARKANSAS: RADIO:

Number.	Date.	From or To—	Subject.	
189136	5-26	To S&A.	Reqt shipment Kolster decremeter from ship to Wash. W ARK only one 6-8 TO WYO for information 8-19 RB one on board 8/31	
189722	5-17 5-25 6-2	CO NY C&R	Metal radio house on Adm's bridge; comments.W Fwd C&R--Have auth work. 6/5 To NY--Authorizes. 6/5	
190059	6-6	To NY.	Radio telegraph, 20 K.W. arc installation; reqt plans and estimates for. W NY submits estimate 6/16 To-- Appvs. 6/23 NY Hull Div has received no instructions re new radio room 7/7 Fwd C&R-- 7/12	
190883	6-15	NY	Estimate for portable control board in bridge radio station. W To-- Appvs. 6/17	
198132	8-27	CO	Reqt long wave receiver and additional ultra audion box.W To S&A--Reqt shipment of from Wash.9/13	
120	8-31	TO NY	Radio sets for	629
199091	8-30	CO	Relocate radio motor generators and install transfer switch main radio room. W To NY--Gives action on.9/16	
199470	9-15	NY	20 kw arc radio motor generator; fwds prints showing location.W To-- Appvs arrangement. 9/18	

NB—0120

[OVER.]

ARKANSAS: RADIO

1914

Number.	Date.	From or To—	Subject.
124529	5-10	At Flt T	Reqt 5 kw Telefunken transformer to replace one burned out. W To CO via At.Flt.& S&A.reqst shipment from NY to ship of 5-kw transformer.5/11. To S&A.reqst shipment of transmitter Washn to ship.5/11
125380	5/20	NY 370-855-13	Seibt wavemeter: est for repairs.W To---submit reqn for.5/21.

1915

Number.	Date.	From or To—	Subject.
144239	1-7	NY 21-638	Estimate for renewing radio insulators.W To--Appvs. 1/12
148199	1-20 2-25	NY 370-855-26 C&R	Radio installation; fwds plan of proposed radio room.W Fwd C&R-- Comments on. 3/16
148882	3-5	To CO.	Disappvs item 1 of reqn 246-15; have reqtd shipment of one 6-volt 80-ampere hour storage battery from Wash. W-R To-S&A-- Reqt for shipment. 3/5
151921	4-9	To CO.	Asks disposition of radio apparatus not reported in NSE Form 25-B. W
152996	4/18	CO	Reqt new receiver, relay switch and quenched spark gap.W Fwd NY-- For rec and estimates.4/23 RB 5/6 NY are holding up installagion 5-12 To NY--Appvs est for. 5/13 To--Have appvd installation.5/13 CO reqt reeceiver at NY holding for NEV be issued 6-24
153204	4-22	CO	Reqt supply of ultra audion bulbs.W To S&A--Reqt shipment of from Wash. 4/26
152996	6-25	To CO.	Cohen receiver assigned to NEVADA will not be assinged to ARKANSAS.W To Atl Flt--Disappvs reqt for transfer.6/24

NB—0120

N.S.E. Form 134.

ARKANSAS: RADIO. 121-6

Number.	Date.	From or To—	Subject.
153397	4-24	NY	Estimate for re-arrgt of sound proof receiving room. W
153625	4-24 4-29	NY 21-618 C&R	Re-arrgt radio plat; plan. W Fwd C&R-- Modi satis. 4/30
154264	5-4	NY	Radio installation; room to duplicate sound proof booth Arlington; reqt plans.W Fwd Radio--Reqt information be furnished NY. 5/13 RB 5/20 To--Fwds plans and specfns of. 5/13
287	5-20	To CO.	Portable radio keyboard; asks if installation has been made. W-R
156634	6-3	CO	Gives reasons for requiring additional portable radio keyboard.W Fwd Atl Flt--Reqt comment on. 6/8
168402	10-7	CO	Reqt authority transfer amplifone from title C to B To 10/20
169228	1 0/23	CO	Reqt NY be authorized to install auxiliary antennae.W To--Work authorized. 10/25
169569	10-25	CO	Reqt audibility meter.W To-- Will furnish when available.11/1
172614	11-29	KANSAS cross tov	Reports transfer of audibility meter to.W

NB—0120

[OVER.]

1913

ARKANSAS: RADIO

Number.	Date.	From or To—	Subject.	
99632	6-14	At.Fleet	Reqt. portable radio set be provided to replace set transferred to SOUTH CAROLINA.W To---instructions.6/17.	
100614	6-27	CO	Seibt wavemeter; reports defects in. W	
105718	9-12	CO	Reqt. alterations in radio plant. W Fwd NY for recom.& esti. 9/18 RB 10 4	
106222	9-23	NY T	Reqt. authority to adapt radio set for sending 1500 and 200 meters.W To -- (T) appvd 9-23	
109919	11/10	To C.O.	Reqt report on original installation, elec. leads running up masts, etc. and if any trouble due to induction from radio.	121--3
~~106982~~	~~11/12~~	~~To CO~~	5-kw radio set; asks when authority was granted to issue new. RB 12 15 ARKANSAS: no information 11-2 8	121-8
~~111316~~	~~11/26~~	~~To NY via C&R.~~	Battle radio installation; Dept.authorizes if tests are successful on NO.DAKOTA. Not to exceed statutory limit. Directs prepare plans and estimates.W NY returns letter 12-30	
~~110782~~	~~12/13~~	To CO and S&A	Portable radio set; request shipment from Washn to NY.	897

NB--0120

N.S.E. Form 134.

1914

ARKANSAS: RADIO: 121-6

Number.	Date.	From or To—		Subject.	
114510	1-8	NY	370-855-1	Reqt telegraphic authority to install battle radio.W (R)to---proceed.1/9	
114421	1/29	To CO		Hand cart for transport of portable outfit shipped for trial.	897
116505	2/21	NY		Fwds. prints showing crew's space in relation to location of radio on ARKANSAS and WYOMING.	488-6
120471	3-20	CO		Leyden jars; reqt authority to turn in connecters.W Ret---via NY. appd 3/21.	
120621	3/18	NY		Sound proof receiving boothsin radio room; recommends no further expenditure; reqt trial booth be erected in noisy shop in yard for test purposes	131-6
120953	3-27	NY	R	& NEW YORK: reqt authority to issue 2 receivers for battle radio equipt. W (R)to---appd.3/28.	
122521	4-15	NY	R	Telefunken wavemeter tr nsferred with flag; have Seiby wave meter only. W. (R)to---issue from store to NO.DAKOTA auth. Direct WYOMING retain Seibt wave-meter.4/16(See also 122472-321-6) To NO.DAKOTA via At.Flt.advising.4/16.	
122728	4-17	CO	R	Reqt supply of amplifier bulbs.W To S&A.reqst shipmeent from NY of 40 bulbs.4/17. (R)to---request immediate shipment of 40 4/17.	

NB—0120

[OVER.]

ARKANSAS: WIRELESS 1912

Number.	Date.	From or To—		Subject.	
78200	9-17	NY	T	Set assigned from Lowenstein still unsatisfactory; require one month. W To--Phila & S&A & NY. cancels assign.	9/18
78353	9-17	NY	370-855-4	Lowenstein 5 kw set; reports failure to operate satisfactorily and recommends contractor be required to set definite date of completion. W. To N.Y. remove until ready for trial	9/19
78481	9-19	Phila	320-357-2	Readio set; fwds prints of aerial and reqt. approval of plans before starting work. W. To -- Telegraphic approval has been issued, and further instructions 9/21 (T) To Phila Yd.--appd 9/20	
79141	9-30	CO	T	Reqt. radio set belongong to CONNECTICUT, and aerial from COLUMBIA be transferred from Phila to NY, vessel to have use of during review. W. Fwd S&A recom shipment from NY to Phila RB 10-14	10-1
79183	10-1	TO S&A, Washn, WYOMING, Phila,		& WYOMING: portable radio trunk type; on reqn. 42, Bu. Reqt. shipment from Washn Yd.	
82480	11/13	To NY		& WYOMING: Request estimates be submitted for installation of duplicate motor generators and transformers. W	
82972	11-16	NY	370-855-17	WYOMING; submits estimate for installing duplicate motor generators and transformers for radio. W. To---approves purchase.	11/21.

NB—0120

N.S.E. Form 134.

ARKANSAS: RADIO 121-6

Number.	Date.	From or To—	Subject.	
83522	11-23	NY 370-855-20	& WYOMING: duplicate motor generators and transformers for system received; recommends ARKANAS be shipped direct to vessel.W.	
87390	1/13	To Key West & ARKANSAS	1913 Radio silicon-arsenic detector, delivered to G.H.Clark by Wireless Spe.App.Co. Requests be invoiced to ARKANSAS instead of Key West radio.W ARKANSAS detector mailed Mr. Clark Jan 5. 1-23 To ARKANSAS; ack.receipt 1/30	
87464	1/12	Clark, G.H.	Makes report on installation of, on	876
88002	1-9	CO	Dexcription.W.	
90940	2/15	At. Flt.	Wyoming: reports taking wave meter from	488--6
92865	2-28 3-13	CO NY 370-855-3	Recommends mast be increased in height and switchboard be placed in conning tower for connecting battle aerials.W. Fwd Dept via C&R.rec appr.3/20. RB 3-28 Fwd NY— apps repairs 3/28 RB 4-21 Fwd C&R.rec appr.4/26. RB 5-1 NY (R) reqt. action 5-14 To NY.instructions were issued Apr.30th. 5/14.	
99233	6-9	CO	States Siebt wave meter unsatisfactory; reqt. Telefunken type.W. Fwd At.Flt via NY.if suitable in store, issue authorized. One on board should not be turned into store.6/11. RB 6-17 To NY.suitable not available.6/18. To---via At.Fleet.reqst report on Seibt.6/18	

NB—0120

[over.]

121 -- 6
ARKANSAS; WIRELESS TEL. SYSTEM.

FILE No.		From or To— (Dated)		Subject.	
28845	1/11	NYS	38	Omission of; fwds estimated change in cost To -- Est dec cost appr 1/12. Ret.est.change cost.1/18	
29014	1/13	NYS	50-73318	Omission of w.t. outfit; req. return of approved estimate; change in cost To -- appr.est.returned 1/14.	
29167	1/16	To NY Yd		WYOMING & ARKANSAS: fwd copy of reqn 84 wireless apparatus	488--6
40105	5/31	TO S&A		WYOMING; Motor generators for wireless; contract 14746; factory inspection waived. S	
				1912	
70006	5-28	FR		Wireless installation;re t.spedns.covering.W To---Gives data; Lowenstein will supply outline of spcfns.--To F.Lowenstein. Reqsts fwd outline spcfns.5/31.	
71928	6-22	Lowenstein, L.		Fwds photos and gives dimensions. W To FR Co.Fwds copy of letter.6/25.	
72547	7/2	To NY		5-kw motor-gen.radio sets, cont.121; asks when delivery may be expected.W NY 7/20. Will be completed in about 5 weeks.W	
78037	9-13 9-13	CO Phila	320-44	Reqt. set be installed prior to departure for New York. W TO S&A Reqt.shipment of Lowenstein set.9-14 TO Phila, NY, instructions. 9-14 BLRB 30 Fwd S&A cancel shipment.9-30	

NB—0120

121- 7

ARKANSAS SUB SIGNAL APPARATUS 1922

4

Number.	Date.	From or To—	Subject.
622715	5/10	Dept	Copy of letter to N.Y. making vessel available for repairs to oscillator field coil. Y
633287	7/1 7/3	CO Battleship Div: 5	Recommendations cov modifications to MV listening device receivers. W. Atl. let- 7/11- recommendations of battleship force. W

4—3381

Number.	Date.	From or To—	Subject.	

121 -- 7

1917 DUPLICATE

3

ARKANSAS: SUB SIG APP.

Number.	Date.	From or To—	Subject.
224007	4/24	To Wash	Rec Bill of Submarine Signal Company for inspection be paid. L
229459	5/18	Wash	Contract 260 - fwds bill of Submarine Signal Co L Fwd S&A--6/2
269149	12/21	Sub Signal Co	Contract 752 - fwds report covering inspection of oscillator - L
276722	1-24	CO	Reports on inspection of submarine signal apparatus.L Fwd Dept- 1-30
278409	1-3 1-25	CO NY	Replaces present system oscilator with latest type. L. Fwd C&R 2-7
280765	2-12	Phone NY	Repairs to oscillators - Auth installation FULTON oscillator on and reqted that ARKANSAS oscillator be sent to Submarine Sig Co. for repairs. L

NB—0120

N.S.E. Form 134.

ARKANSAS: SUB SIG APPA. 121 - 7

Number.	Date.	From or To—	Subject.	
283615	2/21	Sub Signal Co	States oscillator for the FULTON installed on - L	
393388	2/7	Sub Signal Co VOID see - 121-4	& FLORIDA - Fwds inspection blanks - LC	
472346	3;19	CO	No record of receipt or installation of oscillator.	121-6
		1921		
601909	12/19 12/23	CO Atl. Fleet	Repairs to oscilator coil not made during docking. W.	
615669	3/7 3/25	CO ARKANSAS Atl Fleet	Request repair submarine oscilator field coil Fwds NY 4/4 W cc Atl Flt, Div 5, ARKANSAS.	

NB—0120

[OVER.]

121 -- 7

ARKANSAS submarine signals 1912 2

Number.	Date.	From or To—	Subject.	
81453	10/30	Sub. Sig. Co.	SIGNALS, reqt final payment	711--3
			1913	
88882	1-29	NYS 154-72220	Fwds estimated inc.cost for installation.L To---To Gen Inspr. To be reconsidered by Board on Changes.2/26.	
93628	3/27	Bd on Chgs NYS	Installation of submarine signalling set; inc cost.N To NYS.appd.3/29.	
			1914	
113868	1/8	To NY	Sub.signal sending set, Submarine Wireless Co.'s type; installation for test authorized. Sub.Wireless Co. reqt auth. to affix plates. 1/9	711-3
138238	10/29	Submarine Wireless Co	Test on ARKANSAS; reqt two representatives be allowed to remain on vessel during trials about middle of Nov	711-3
			1915	
160859	7-13 7-16	CO NY	Signal set; CO objects to signing invoice.L Fwd NY--7/21 To Sub Wireless Co--Reqt drawings of sending set be fwd CO. 7/21 To CO--Bu has purchase Berger signal apparatus; reqt experiments be made with. 7/21	
			1916	
186006	4/25	CO	States Berger submarine signal apparatus on board useless; reqt instructions re disposition	711-3

NB—0120

N.S.E. Form 134.

1916

ARKANSAS: SUBMARINE SIGNAL. 121-7

Number.	Date.	From or To—	Subject.	
190543	6-8	CO	Request overhaul of. apparatus.L	
190625	6/12	To CO	Submarine signal apparatus; approves reqn 105 covering inspection and overhaul of	711-3
208568	12-12	Sub Sig Co	Oscillator installation; NY claims company is to furnish chain hoists; understand Govt to furnish.L To--NY auth to furnish hoist. 1/19	
208894	12-16	Sub Sig Co	Oscillator; cont 260; request that yard be directed to ins all I-C cable from tank to indicator boz in radio room.L To NY--Appvs. 12/20 To--Gives action. 12/20 Sub Sig Co states navy yard is not yet furnished chain fall for raising and lowering oscillator 12/29	
211480	12-21	Sub Sig Co	Oscillator; reports completion of installation with exception of cable between tank and indicator box.L	
221342	4-3	Submarine Sig Co	Fwds inspection reports and bills.	133-7
224007	4-17	Sub Sig Co	Reports of inspection; Fwds bill.L	

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[OVER.]

121 -- 7
ARKANSAS, SUBMARINE SIGNALS

1

Number.	Date.	From or To—	Subject.	
53806	11/16	Sub. Sig. Co	SIGNALS: returns contract covering sets for: reqt amount of freight and cartage etc. be added thereto.	711--3
56028	12/13	NYS 1411-4221	States have been informed by Submarine Co. that set has been forwarded and will be inspected at works.L	
56106	12/13	Mass	SIGNALS: states have rec. copy of cont.186 rel inspn	711--3
56629	12/20	NYS 1437-2220	Sug.Sig.apparatus; requests information re installation of.L To-See 56743-488-7 of 12/26. To---Govt to furnish: contrs to install. Fwds sketch showing method of installation on FLORIDA. 1/23. 1912	
58611	1/12	NYS 54-72220	Est. increased cost for installing.L. To---appd.--To Genl Inspr.1/22.	
60549	2-5	Bd.on Changes, NYS 136-961	Addition of; inc.cost. N To NYS.appd.2/7.	
65301	4-3	NYS 383-2320	Fwds contractors appeal against ruling of Board on Changes as to increased cost. L Ret---for information.4/5. R.B 4.8 To---Installation by Sub.Sig.Co.optional with contrs.4/12.	

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N.S.E. Form 134.

ARKANSAS: SUBMARINE SIGNALS: 121-7

Number.	Date.	From or To—		Subject.	
66243	4-12	Mass	270	Recommends order to inspection be cancelled.S To---Should be inspected at works of Sub.Sig.Co.4/20.	
66459	4-16	NYS	425-2220	Est.inc.cost of $302 is based on Sub.Sig.Co contracting to do work for $275.N To---directs resubmit estimates.4/22.	
67223	None	Mass.	4506-3	Sub.Signal Sets; states will consider instructions to inspect cancelled.S	
67380	4-24	NYS	456-2220	Fwds b/p of.L To---appd as mod.4/29.	
68180	5-7	NYS		Fwds print showing proposed method of fitting and elec.leads for.L To---appd.5/10.	
69857	5/27	Sub.Sig.Co.		Bill for balance due	711--3
75768	8/14	Sub. Sig. Co.		SIGNALS, reqts separate permits for representative to maketests of submarine sig. (no action at present 8/26)	711--3
78663	9/23	Sub.Sig. Co.		SIGNALS, eqt auth. to have representative accompany vessel on trip to New York to test apparatus.	711--3
79133	9/30	To		SIGNALS, directs test for final acceptance	711--3

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
639144	from card 12		To NY- mat inspn- cancellation of item listed- cc CO- C-I-C Atl. Fleet Ys 12/4 To NY-- no further action neccy cc CO 12/6 NY 12/7 Ask if shall cancel work on boiler fronts of WYOMING Y X 488-10 To NY- gives instrns rel listed alteration- cc Oprns- C-I-C Atl Fleet- Comdr Batlship force Atl.- CO 12/12 To Comdt New York- Rqsts be cancelled 12/14 Yd cc Atl. USS WYOMING/ New York 12/16 Rqsts further instructions Y	

4—3381

Number.	Date.	From or To—	Subject.	

ARKANSAS MACHY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
627088	9/12	To Norf- Ports (T)	Ask if material ordered Norf Rqn been shipped Ys	
644563	10/6	C&R	Copy of letter to NY authg docking of ARKANSAS & WYOMING Y	
645550	10/8 10/13	Atl.Batlshp Force Atl.Fleet	Summary of work request, over haul period 11/20 to 1/5. Y	
648796	10/4 11/7	CO Atlantic Fleet	Submits report of material readiness Y	

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121-8
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ARKANSAS MACHY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
649950	10/4 11/17	CO Ordnance	Submits report on material readiness Y Fwds Operns via C&R 11/24	
649015	10/30 11/17	CO C&R	Submits report of inspection upon charge in commendation Y	121-21
651084	11/20	M.I.	Prelim report Y	
650015	12/6	Fwds Operns via Ordn Navign	Eng Dept inspn upon detachment of eng officer Lt Comdr Dyer and Lt. Comdr Brereton Yd	

4—3381

[OVER.]

ARKANSAS MACHY PLANT 1922

Number.	Date.	From or To—	Subject.	
630145	6/9	Board IS	Matl inspection. Fwds report Y To CO (T) Reqsts detld report be submitted To CO - removal of samples 1/11	11/2
569692	FWD FROM CARD 10		Fwds CO USS ARKANSAS 6/30 Kc To Crane Packing Co- Will fwd invoice upon receipt 6/30 Kc CO ARKANSAS 7/5 Kc To Crane Packing Co- Invoice paid by Check #3189 7/21 Kc	
632620	6/28 7/13	New York C&R	Report on matl condition of vessel on leaving yard Y Fwds Operns via Ordn 7/29	

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121-8

Number.	Date.	From or To—	Subject.	
639144	8/24	New York	Submits estimates incident to material inspection Y Fwds Dept- fwds -- recomdn apprvl with comments as listed 9/19 RB 9/25 Y To NY- submits estimates cc CO 9/26 N.Y. 11/22 will remove 1 service telephone swithc board for installation on ARKAN-SAS LY X4	
		card 14	NY 11/28 Submits estimates covg changes to main boiler fronts Y Fwds NY via S&A-- Reqsts corres. cc CO's ARKANSAS PROMETHEUS 11/28 S&A 11/28 Copy Action to Phila L	
639277	8/25	New York	Copy of letter to Dept stating all reports of estimates incident to material inspection have been fwded to various bureaus Y	
640066	8/25 9/1	N.Y. Dept.	Subm estimates incident to report of material inspection Y Fwds C&R via - Pur 9/18	
640839	8-10	Atl Fleet.	Report on condition of machy and boilers. Y 493	

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[OVER.]

ARKANSAS MACHY BLANT 1922

Number.	Date.	From or To—	Subject.	
620904	4/12	Atl Battleship Force	Report of inpsection BY	
621946	3/28 5/5	CO Dept	Submits report on matl readiness Y	
622074	5/2	CO	Subm list of work to be accomplished by ships force during over haul period. Y	
623901	5/3 5/17	CO Dept	Request re-line fire main. Y	

4—3381

121-8

N. Eng. 134

Number.	Date.	From or To—	Subject.	
624439	5/16 5/19	CO Atl Battleship force	Request drawings listed be replaced D To CO Fwds plans 6/6 To CO Fwds plans 6/10	
625561	5/29	To Bd I&S	Fwds listed correspondence from files Td Bd Inspection- Returns repair papers. 6/30 T	
625897	5/29	Dept	Instructions in conn with holding matl inspection Y	
625902	5/29	Dept	Copy of letter to NY extending availability of vessel Y	

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[OVER.]

ARKANSAS MACHY PLANT

Number.	Date.	From or To—	Subject.	
569692		SEE CARD 9	To CO- (T) Advises diameter screw glands for dynamo condensers suitable after tapping Y 9/21	
	TO CARD 12		To S&A Reqst shipmt of tube from Norf to NY 8847 9/26 RB-10;12-Y To NY Gives Inform 9/27 To Julian N Walton- Gives Inform rel condenser 9/28 Crane Packing Co-will deliver flexible metallic packing to CO-9;29-Y CO-gives correct length of screw glands-10;4 To NY Gives status of shipmt cc CO 11/12 N.Y.-Report on test of 24 tubes of dynamo condenser 12/13 Y 12 N.Y.- rqst disposition 1/11 Y To NY- Gives Instrns rel tubes 1/18 Crane Packing Co.- Request payment 3/30 KY To Crane Packing Co- Gives instrns 4/6 CO ARKANSAS 5/5 Y To CO- 5/19 CO ARKANSAS 6/6 Rqsts copy of letter 9/28 Y To CO-- 6/17 Crane Pack Co- 6/21 Rqst Paymt invoices K Report on material rediness. Y	
590949	9/20 10/7	CO Atl.Fleet	Fwd Operns via C&R 10/22	
588518	10/3	Atl Btlship Force	Flag shifted from ARKANSAS to WYOMING. NY 423	
592312	10/19 10/24	Atl.Fleet Dept	Fwds reprt of findings of board of inspection covering Engineering Dept on WYOMING ARKANSAS. Y Fwd Operns 10/31	

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121-8:ARKANSAS: MACHY PLANT: 1921

Number.	Date.	From or To—	Subject.
593605	10;27	JAG	Report covering conditions existing conditions in engineering department. D&Y Fwd Cerns 11/16
594239	10;27	JAG	Report covering conditions existing in engineering department. Y Fwd Navign 11/23 Atl. Battleship Force 1/5 Y
597067	11/22	C&R	Copy of endorsement to Atl. Fleet asking if resulting fuel saving will justify expense of docking Y
598348	12/1	C&R	Copy of telegram to N.Y. authorizing docking. Y
		1922	
613119	2/9 3/10	CO Dept	Report on material readiness. Y Fwds Operns via Ord, C&R 4/4 Yd cc NY ARKANSAS
614474	2/7 3/18	Atl. Fleet C&R	Subm report on inspection. Y Fwds Operns via Bd I&S- Ordn- S&A Med & Surgy- Navign- Maj Gen Comdt Marine Corps cc Operns 4/5

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[OVER.]

ARKANSAS: MACHY PLANT:

Number.	Date.	From or To—		Subject.
525142	10;23	CO	copy	Vessel anchored at Plymouth.Elgnald.A
525115	10;15	CO		Request index of drawings be furnished.D ~~To CO Fwds Blank Index book 10-29~~
531312	11;26	C&R		~~Fwds booklet of general plans.D~~
533854	12;9	Pug Sd	copy	ARKANSAS docked TEXAS follows.A
534454	12;11	Pug Sd	copy	Vessel undocked.A
559584	4;22	Pac Flt	copy	ARKANSAS nominated in lieu of NY for repairs during July and August.A
560948	4;13 4;29	CO Ord		Report of matl readiness.Y Fwd Operns 5/2
561068	4;10 4;29	CO C&R		Report on matl readiness.Y Fwd Operns 5/2
569980	6;3	CO		Submits list of work to be undertaken by ships force at Pug Sd during present overhaul.Y
569979	6;3	CO		Request various repairs listed be performed.Y

4—3381

N. Eng. 134

121-8:ARKANSAS: MACHY PLANT:

Number.	Date.	From or To—	Subject.
		BELOW	
569692	6;3 8;10	CO Pug Sd	Submits priority list of repairs .Y To Pug SndReqst sample of tubes be forwarded when renewal of tubes is requested cc CO 6/18 Pug Sd-fwds sample boiler tubes-8;15-Y to 10 Pug Sd-fwds sample condenser tubes-8;15-Y to 12
10		CO-(~~YT~~) Rqst auth to substitute dynamo condenser for aux condenser-recommendations in error- 9/1 Y To CO (T) approved 9/1	To NY Work appvd- cc CO 8/25
573931	6;21 7;8	Pac Flt Ord	Report of insp n.Y
581318	8;17	C&R	Copy of letter to Pug Sd directing transfer outstanding job orders on ARKANSAS and WYOMING to NY.Y
585435	9;13	CO	Req t instrns book.M To CO Fwds Pamphlets 9/16
569692	see above	121-12	NY-lists tubes available for condensers-9;19-Y CO-T-gives size of screw gland-9;22-Y To CO- Gives Action 9/28 To- rel packing of cond 10/1 Phone to NY- Rel Dynamo condenser tubes 12/2
	~~FWDED TO CARD 10~~		

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[OVER.]

ARKANSAS: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
447806	9/26	C&R	Copy of telegram to P Snd giving action on material inspection - Y	
447507	9-29	To Ordnance via C&R	Material Inspection - Report Estimates for work under the Cognizance of the Bu SE. Y. copy to Operations and Pug Sd. T B 10/6 C&R 10-3 to Comdt Pug Sd- Work auth at cost of $100,976. copy to CO. 10-7	
449869	10;3	JAG	Report of Bd of Investigation to inquire into present condition of condensers and boilers.Y cross to 10 and 12 Fwd Navgn. 10-13 R B 11/12 Fwd Navgn. 11-20	
450156	10;3 10;8	JAG Dept	Report of Board ~~of~~ to inquire into present condition of boilers on board.Y Fwd Operations. 10-13	
450689	10;10	Pug Sd copy	Can complete installation of bridge by January 1st on ARKANSAS AND WYOMING-repairs to boilers can be completed Jan 1st.AY	
451403	10;13	C&R	Copy of telegram to Pug Sd giving instrns in connection with completing work on vessel during present visit.Y&L	

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N.S.E. Form 134.

121-8:ARKANSAS: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
451436	10;9	Pug Sd	Copy of Indorsement to Dept requesting instructions in connection with repairs and alterations in excess of statutory limit Y&K To Mare Island (T)- Statutory limitations does not apply vessels under repair this fiscal year see Nav. Appro. Bill for year ending June 30 1920.appro. under C&R. 10-15	
452117	10;16	C&R	Request recommendations as to use of old radio room as battery charging room-also modification to voice tubes.Y To C&R- Gives detail action. 10-28	
455145	10;20	C&R	Booklet of general information-fwds/D	
469281	1;10	Pug Sd T	1920 Copper for antenna trunks-request express shipment of-recommends vessel be not held solely for reinforcement of cage mast.AWL&Y Fwd Operations. copy to C&R & Pug Sd. 1-15 Fwd C&R. 1-21 RB-1;20	
479119	2/26	Pug Sd	Copy of letter to Dept submitting information re revised dates of completion of overhaul of ARKANSAS NY & WYOMING. L&K	494
508152	6;2 7;27	CO Dept	Report on insp en upon being relieved of command.Y	
VOID	SEE 255-8		F d Operns 8-2 W	
522079	10;2 10;9	Dept Ord	Report on inspn of.Y Fwd Operns via S&A- medl surgy- Navign 10-12	

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[OVER.]

121-8

ARKANSAS: MACHY PLANT.

1919

7

Number.	Date.	From or To—	Subject.	
420404	5-7	CO	Request cross connect star board and force lubricating oil system. Install high pressure valves in steam and exhaust lines etc.D	&Y
To CO- Replacement of present low pressure valves with high pressure valves auth.7-9 copy to C-C Atl Flt-PAC FLT-I.M. Norf. CO. 7/7.			To CO- Reqts furnther information re valves in question. 6-10 Fwd Detp (Material)- 6-11 RB 6/17 To CO- Gives detail action. copy to CO and Comdr Bat. Force 2 and I.M. Norf and comdr Bat. Div. 7. 6-18 CO KANSAS 6/24 To CO- Reqts ascertain if L.P. valves were installed in place of H.P. valves. 6-30	
428965	6;19 6;26	CO Bat Ship Force #2	Submits report of appvd. repairs and alterations under Bu. which are necessary	Y
431007	6/26 7/7	U. S. Fleet C&R	Report of material readiness for service. Y Fwd Operations via Ordnance. 7-11	
432312	7/11	Dept	Instrns in connection with holding material inspection - Y To I&S- Fwds corresp from files 7/18 Bd insp - retns papers - 9/9	
435902	7/28	Dept	& WYOMING - will be available at P Sud for work on arrival on West Coast - Y To I.M. Ny- Reqts transfer of job orders and material to home yard be expedited. 8-4 To NY 8-7 To I.M. Ny- Reqts transfer of job orders be expedited. copy to Operations and Pug Sd. 9-22 RB-9;30	
439118	8;1	CO	Fwds performance curves.D	

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N.S.E. Form 134.

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121-8: ARKANSAS: MACHY PLANT:

Number.	Date.	From or To—	Subject.
445702	9;15	Operations VOID	Copy of telegram to M IS listing
445703	9;15	Operations	& WYOMING; copy of telegram to Pug Sd making available for repairs.Y
446537	9/19	Dept	& WYOMING - directs telegraphic instrns be issued P Snd to proceed with necessary repairs in advance of estimate and report of inspection - Y
447125	9;22	Bd of Inspection	Material inspection-fwds report.Y
447339	9;23	C&R	Authorizes repairs in accordance with Board Inspections report.Y
447507	9;20	Pug Sd	Report of Bd Survey and Estimates.Y Fwd Operations 9-30 copy to C&R and Ordnance.
447830	9/25	Norf	Transferred job orders P Snd 8/1.

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[OVER.]

ARKANSAS: MACHY PLANT.

1917

Number.	Date.	From or To—	Subject.	
268410	12/19	Dept	Cancells instrns of 12/18; to remain at NY for repairs - Y	
268702	12-19	Phone Norf	Re Arrival at Norf.- Yd asked when would arrive Bureau stated would not go to Norf. Y	
271076	12/14	CO	Miscellaneous repairs - Y Fwd C&R- 1-4	
271503	11-19	Phila.	Copy of action taken	Y
271222	1/3	Dept	March 2nd date of completion - Y	
274123	1/14	CO	Request machy plans - D To- Fwds prints 1-18	
276548	1-24	CO	Requests prints to replace those missing and worn out.	
294518	4-3	To NY	Transfer of work to vessel's home yard Norf. Reqts transfer all uncompleted job orders etc. Y Norf - Request contract number on NY transfer job orders. . Y 6-24 To Norf. re transfer job orders 6-29	

4—3381

N.S.E. Form 134.

ARKANSAS: MACHY PLANT 121 - 8

Number.	Date.	From or To—	Subject.	
297246	4-2	NY	Reports on condition of vessel on leaving. Fwds Ch Nav Op via Bu Ord 4-20.	Y
1176 NY	4/23	ARKANSAS	Outfit received	629
314906	6:1 6:10	Atl Battle Ship Force Dept	2 Sub report of necessary work to fit ship for distance serviceY To C&R, re alterations in standard radio plans Received back 6:14 To Norf. Listing items necessary to fit ship for distant service, 6-15 Fwd C&R, 6-15 Norf 7-16. W Norf - Request reply - 7-30 - W To Norf. Order for Soundproof Booths for Radio Rooms placed, 8-7	6-11
381508	12:5 12:28	CO At. Flt.	Req. renew section of pipe on injection line of engine- renew motor of starboard main circulating pump etc Y	

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[OVER.]

1916

ARKANSAS: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
185224	3-29 4-18	CO NY	Repairs to metal covers turbines, port main circ pump turbine, gen set, floor plates, ice machine.Y To NY-- Gives action on. 4/21	
187931	5-5	CO	Material readiness of vessel for emergency service May 20; reports on. Y Fwd Dept via Ord--Comments on. 5/16 Dept quotes Bu Ord endorsement 5-2o Fwd NY--5/25 RB 6/8	
194519	7/21	Atl Flt	Reports on condition of machinery	493
201065	10/4	Dept Copy P	All authorized repairs to be undertaken earliest date practicable.Y	
201268	10-5	Dept	Repair limit Dec 20. Y	
201362	10-3 10-5	NY T Dept	Cannot complete until 20th Dec on account of buster plate. Fwd Dept via Ord Nav S&A--10/7	
203498	10-19	JAG	& PENNA; collision; between; report of board investigation.Y Fwd Dept--10/30	
204975	10-30	Dept	Annual military inspection. Y Fwd Dept via Ord S&A M&S Marine Corps--11/10	

N.S.E. Form 134.

ARKANSAS: MACHY PLANT. 121-8

Number.	Date.	From or To—	Subject.
206400	11-14 11-23	CO NY	Work stbd throttle valve and auxiliary exhaust line.Y Fwd Dept--With rec. 11/24 RB 11-28 Fwd NY--11/28 RB 12-9
207130	12-1	Dept	Repair limit Jan 2.Y
241690	7/27	Dept	Fwds report of annual inspection Y Fwd Dept via Ord S&A M&S Marine Corps--8/4
263517	11-24	Fwd NY joint	Unsatisfactory condition of salt water piping and ash pans. Involving military efficiency of the ship. Auth.repairs. Reqturn of papers to C&R .
264404	11/30	Dept	Instrns for overhaul at Norf cancelled - to be overhauled at NY on or about Dec 10 - Y To NY & CO- Fwds weekly report of work. 12-3 Phone Norf- Will be sent to to Ny in steadof Norf for repairs. 12-3 To NY-& Norf- Ireqts assemble all material on board prior to sailing from Norf. 12-6 NY - 12/18 - Y

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[OVER.]

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1914

ARKANSAS: MACHY PLANT.

Number.	Date.	From or To—	Subject.
141307	11-14	CO	Alterations; install Bureau type of oil coolers, in lieu of S-K type; whistle piping, suction wells for bilge piping, trolleys for feed heaters, reach rods for exhaust valves, condensers, change heads of augmentor condensers. Fwd Dept-- Recommendations. 12/10 Fwd NY-- 12/15 To NY--Instructions. 12/30
141468	12-15	CO	List ofalterations to boilers, steam lines,etc
142769	12-16	Bd I&S	Material inspection; fwds report.Y Fwd Dept Via Ord-- Noted. 3/9
143950	1-28	NY	Report of board survey and estimates.Y. Fwd Dept--Recommendations. 1/11 To Nav--Quotes item 26e;under its cog. 1/11 To C&R-- " 8e " " " 1/11 To NY--Suspend work on item 11e; have recommended disappvl of. 1/11 To--Gives action taken on. 2/16 NY Item 11e completed; none on 13s and 13e 2-26
		To--Auth work under its items 13s and 13e. 3/5	
147299	2-15	Dept	C&R survey; fwds in connection with incidental work. Y Fwd C&R-- Recommendations. 2/20
148879	3/5	Memo to Material	Lists important work to be performed during coming overhaul
152474	4-8	CO	Repairs to piping, revolution indicator, ice machine, reach rods for auxiliary steam line valves,etc. Y Fwd Dept-- Recommendations. 4/21 RB 4/23 Fwd CO-- 4/23 RB 4/30 Fwd Dept--5/6
		Fwd NY-- 5/8 RB 5/17 Fwd Dept-- 5/18 -RB-7;25	
152960	4/17	Dept	Military inspection; fwds report.Y RB 5/8 Retd Via Ord-S&A-- Noted. 4/22

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N.S.E. Form 134.

ARKANSAS: MACHY PLANT. 121-8

Number.	Date.	From or To—	Subject.
153641	4-27 429	NY C&R	Work discontinued on account of shortage funds.Y ~~Fwd Dept--4/30~~ To NY--(R) Discontinue work. 5/3 NY (R) replies 5-5 To NY--(R)Elec work appvd. 5/5 Fwd Dept-- 5/6
154465	5-6 5-8	NY C&R 21-719	Submits estimate for incidental SE work in connection with installing officers and crews laundry.Y Fwd C&R-- Instructions issued' 5/10 To NY--(R) SE elec work auth. 5/10
155439	5/18	CO	Repairs to floor plates, steam line to evaporators.Y Fwd Dept--Recommendations. 5/21 RB 5/24 Fwd NY-- 5/24 RB 6/7
167191	9/28	CO	Alterations to bottom blow connections; additional stop valves for bottom blow lines; change flange fittings on steam lines to evaporators.Y Fwd Dept-- Rec disappvl. 10/4 RB 10/6 Fwd NY-- 10/7 RB 10/25
167283	9-22	Dept	Quarterly inspection for battle efficiency; fwds report.Y Retd Via C&R-M&S--Noted. 10/4
168580	10-16	Dept	Repair limit Nov 8
183527	3-20 To NY-- Gives action on.5/11	CO	Corss connections variouspiping, replace Y fittings, main feed pumps, relocate relief valves circ pumps, by-pass fuel oil heaters, automatic boiler stop valves, pneumercator system.Y To NY-- For est and rec. 4/15 NY submits estimates 5-3 Fwd Dept--Recommendations. 5/9 RB 5/11

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ARKANSAS: MAChY PLANT.

1913

Number.	Date.	From or To—		Subject.
106982	10-2	Bd. I&S	1602	Report of material inspection. Y To CO. Asks when auth was granted to issue new 5-kw radio set. 11/12.
107230	10-1 10-3	CO NY	 370-753-1	Work performed satisfactory with certain exceptions. Y
107803	10-13	NY	370-799-25 370-799-24	Estimates on survey; elec. and machy. Y Fwd Dept via Nav and Ord. with rec. 10/20. To---instructions. 11/25
112066	12-5	Dept		Date of completion Feb 28. Y
112786	12-15	CO		List of repairs to be done by ships force during overhaul Jan. Y
112787	12-15	CO		List of elec and forced draft blower work be done by ships force. Y To---no work to be done on item 5 at this time. 12/17
116017	1-26	NN		NY reports all work stopped; vessel quarantined; due to diptheria. Y
116220	1-28	Navgn		Released fro quarantine Jan 28. Y
116642	2-2	NY		Reports placed back in strict quarantine. Y

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N.S.E. Form 134.

ARKANSAS: MACHY PLANT. 121-8

Number.	Date.	From or To—	Subject.	
117381	2-10	By Nav	6 new cases; vessl still in quarantine.Y	
117532	2-12	Dept	Machy repairs to be completed by ships force; vessel to proceed Guantanamo and remain until date of inspection; then return NY for repairs.Y	
117536	1-31	T		
117535	2-3 2-11	NY Dept	Unable to completed repairs by Feb 8th due quarantine.Y Fwd Dept via Ord.2/13.	
117962	2-18	Dept	Repair limit Feb 28. Y	
118472	2-25	Dept	Orders to Guantanamo cancelled; to remain at NY until Apr 1st for repairs.Y	
123947	5-1	NY	Finished plans; reqt file numbers for.D To---gives numbers.5/4.	
124846	5/11	NY Comdt	Fwds finished plans of alterations and additions to machinery and piping.D	
140111	11-20	Bd I&S	Reqt repair papers.Y To-- Fwds. 11/21 12 26	

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1912

ARKANSAS: MACHY PLANT.

Number.	Date.	From or To—		Subject.	
79835	10-9	NYS		Remark book; delivered Engr.Officer vessel.	N
80736	10-5 10-9	CO Dept		Reports on readiness for sea. Y Fwd Dept.10-23	
81398	10-29	CO		Commendatory letter re manner ship was fitted out at Phila. Y Dup. VIA Dept.10-31 Fwd Dept via S&A. 11/5.	
81461	10-30	NYS		Machy plans; Norf. reports forced lubrication pump plan missing. N To---Fwds print.11/1	
82079	11-7	NYS		~~Fwds vandyke machy plans and index book. N~~	
82107	11-8	Dept		Date of completion changed 11-23. Y	
82540	11-12	NY	370-759-9	Submits list of authorized work with estimated time required to complete. Y Fwd Dept.11/14. RB 11-16	
84237	11-27 12-2	CO Norf	3122-320	Repair oil pressure gages and engine steamer 1033, type W-1 1195. Y	
85924	12-23	NYS	2623-2320	Booklet plans; reqt. shipping instructions. N To--S&A.Instrns.12/27.	

1913

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N.S.E. Form 134.

1913

1913

ARKANSAS: MACHY PLANT. 121-8

Number.	Date.	From or To—		Subject.	
86336	12-31	NYS	2714-2320	Have shipped leather bound booklets and tracings to Bureau; list of.N	
92417	3-13	NY	370-596	CO-2 fire extinguisher; est.for installing.Y	
92599	3-14	NY	758-2	Incidental machy work-~~boiler~~ bottom repiars.Y	
95864	4-26	Dept	27235-393	May 24 repair limit. Y	
96511	5/2	NY	270-925-2	Fwds tracings showing alterations made.D To---gives Bu numbers for tracings.6/9.	
98917	6-6	NY		Drawings;reqt. file numbers. D To---gives numbers .(See 96511-121-8.)6/9.	
103318	8/8	Dept		DIRECTS inspn	774
103918	8/19	To C&R		Reqt plans to complete files	634
105848	9-17	Dept		Have telephoned authority to make certain urgent repairs.Y Fwd Dept. 9/18	
105886	9-17	Bd.I&S		Reqt. repair papers. Y To--no papers 9/18	

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ARKANSAS' MACHINERY PLANT, general

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Number.	Date.	From or To—	Subject.	
56753	12/21	C&R	& WYOMING: gives assignment of storerooms	488--8
			1912	
57942	1/2	NYS	Reduction in number of booklet plans; est. decreased cost. N To---appd.-To Genl Inspr.for dec cost.1/8.	
60452	2-5	Bd.on Changes, NYS 284-2320	Booklet plans; reduction in; dec.cost.N To NYS appd.2/6.	
61672	2-19	NYS 427-2320	Booklet plans;asks that Bureau specify those desired.N To---Certain additions required.2/28.	
64270	3/23	To NYS	Unsatisfactory work on UTAH; forwards list, and requests comments so far as it relates to ARKANSAS.L	
67283	4/25	Nav. VOID	Striken from Navy Register Apr.24th.O	122-8
68635	5-10	NYS 1051-2113	Comments on work reported as unsatisfactory on UTAH in connection with gen.sat.test, air circulating pump,condensers,etc.N-L	
73180	7-9 8-10	C&R Dept	& WYOMING: alterations and changes to be deferred until after final trials. D To Dept.Regst.Auth.to issued instrns to Inspr Machy.7/18. NYS.28.-ppd Fwd C&R.7/18. To NYS.Instructions.7/23.	

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ARKANSAS: MACHINERY PLANT: GENERAL. 121---8

Number.	Date.	From or To—		Subject.
73540	7/16	NYS	1453-2320	Requests index books for finished tracings.N To---Index books fwd.7/22.
77174	8/31	Dept.		Fixes Oct.5th as date of completion.Y
77175	8/30	Dept.		Directs work incidental to installation of torpedo tube and gun turret sights be undertaken during present visit. Fixes time limit Oct.5th. Y
77932	9-20	NYS	1789-2320	Finished tracings and prints; reqt. shipping instructions. N TO CO.S&A.NYS.NorfNY. Phila, Bost. Has directed shipment of one set. R.B 10-30 Fwd S&A.for information. 10/31 NY 11/9 index books not recd.N Fwd NYS. 11/12 R.B 11-14 R.B 11-23 Ret. S&A.11/25
78314	9/18	To N.Y.		Repairs & alterations, transfer of Job orders.L to Phila. L. To Phila. have directed N.Y. to transfer work. 9/19
79384	10-2	Dept		Reqt. report on all uncompleted work at time of departure from Phila together with estimates of time to complete work at New York Yard. Y. TO NY reqt. report on uncompleted work.10-15
79724	10-5 10-8	Phila Dept	320-51 27235-300	Fwds list of unfinished work on date of departure from Phila Wd. Y. Fwd C&R VIA Ord. 10-15
79742	10-8	NYS	1992-2320	Fwds finished tracings. N NYS reqt. return B/L. 1-6 To---1/8.

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ARKANSAS MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.	
638148	from card 9		to Inspr machy NYS- "eqsts comments cc NY Db Y	
FWD TO OTHER SIDE			Atl Fleet 10/31 Recommends yard provide facilities for lifting turbine casings Parsons Co 11/18 Submits suggestions with prints D	Y
			To NY-- Gives action cc C-I-C Atl.- CO- C&R 11/23	
			CO ARK 11/23 Rqsts turbine be lifted during over haul. period Y	
			Inspr NYS 11/27 D	
			To NY- Fwds sketches cc C-I-C Combat for Atl.- CO- C&R 11/29	
			To Parsons marine Steam Turbine Co- Assignment of sketches cc inspr machy NYS	11/29
648788	11/8	New York	Fwds prints showing arrangement of forced lubricating purifiers and piping for engine room D	
			To NY- Sketch appvd 11/17	
648796	10/4 11/7	CO Atlantic Fleet	Submits report of material readiness Y	

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N. Eng. 134

ARKANSAS MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.	
638148	FWD FROM OTHER SIDE		Parsons Co. 12/2 Dismantling turbines progressing D	

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ARKANSAS: MAIN ENGINES:

Number.	Date.	From or To—	Subject.
566018	5;25	Pug Sd T	Request turbine blading matl listed be delivered not later than June 15th.Y
		CO-turbine blading matl ordered for ARKANSAS should have been ordered for NY-6;7 cross to 131-5	To CO Gives action 5/27
			Pug Sd-T-ask when delivery of matl will be made.YXXX6;6
			CO-6;6-LXY
568			CO-6;7-LXY
			Pug Sd-T-reqt action-6;16-Y
582910	7;6 8;12	CO Pug Sd	Reports on poor condition of ahead turbine dummy packing.Y
			To CO Gives comments 9/9
			Atl Flt-fwds report of CO-10;11)Y
			To CO via C-I-C Atl Fleet- Lifting of turbines authd cc NY 10/24 RB 11/26 from Atl.Fleet. Y
		1922	
615760	3/4 3/25	CO Atl.Fleet	Request lift casings and examine interior of both lowy pressure turbines. D
			Fwds Oprns cc CO-C-I-C Atlantic- Div 5 4/6 RB 4/11 Y
			To USS ARKANSAS-Examination of main turbines 4/15 Yd cc Atl Flt, Comdr Battleship Force, Atl Flt.
616020	3/6 3/28	CO Atl Fleet	Request change lead of steam line to ceiling glands of main turbines . Submits sketch. D
			Fwds Oprns cc CO-C-I-C Atlantic- Div 5 4/6 RB 4/13/22.Y RB 4/25 Y
			To CO-Alteration authd cc C-I-C Atl-Fleet-Comdr Battleship Force 4/15

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121-9
N. Eng. 134

Number.	Date.	From or To—	Subject.	
619457	4/4	CO	Submits report on bridge gauge readings & tip clearances main turbine blading YD	
638148	7/28 8/16	CO Atl. Battleship Force	Request lift turbine casings. Y Fwds Operns- submits recomdn rel turbine casings cc Atl- CO 8/24 RR 8/30 Y To CO USS ARKANSAS- Approved 9/1 Yd cc U.S.Atlantic Atl Battleship Force 9/6 fwds corres disapproving recommendation of CO Y Fwds Operns- gives action 9/15	
	card 10		To Inspr machy NYS- wishes to make all neccy arrangements for putting turbines in operating condition cc Parsons marine Steam turbine co 10/6 Parsons Co.- Request opportunity to investigate turbines. 10/9 DY Inspr NYS 10/13 DY	
642304	9/28	To NY	WYOMING and ARKANSAS Lubricating oil separators- instln of. Db	488-9
644366	10/6	Dept	Request refit starboard and port LP head and astern turbine casings. Also repair pistons. Y	

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1917

ARKANSAS: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
268246	12/18	Dept	Directs Norf make repairs to high pressure turbine - Y
268265	12/19	NY	Confirms telephone conversation relative to high speed backing turbines - Y
269528	12/17	CO	Alterations to present exhaust trunk of L P turbines - Y o NY- Alterations auth. 1-7
267989	12-18	Phone NY	Astern high pressure turbine. Reports rubbing on the side and on the top. D
274720	1/12 1/14	CO NY	Repairs to astern turbines - Y Fwd Dept- 1-19
275626	1-17 1-21	CO Atalntic Fleet	B&P Astern Turbine Submits detail report on cost of deterioration.Y

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N 1921 Form 934.

ARKANSAS: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
281333	2-2 2-13	CO Department Phone	True up the gland packing ring throats. Y. Fwd Operations. 2-14 Phone Boston. 2-14
282938	2-19	Department	Authorize turbine work. Y
415142	4/25	CO	Req. auth. to substitute original instal- 121-15 lation of turbine gland steam lines for present lines D.
466035	12;19 12;24	CO Pug Sd	Exhaust trunks for low pressure turbines- recommends job orders covering be cancelled.D To Pug Sd- Cancellation of job order appvd. copy to CO and PAC FLT. Y2-31
468941	1;3	CO	1920 Submits report on condition of main turbine upon opening same for inspection.Y CO-ask if Bureau ~~is~~ has any dummy piston forging in store-3;6-Y
478398	2/27	To Inspr NYS	Information reqstd as to composition used in mfg blades packing binding wire lacing wire and root fixing wire for main propelling turbines of vessel. D Inspr NYS-3;1
551403	2;14 3;2	CO Battleship Force	Reqt open up main turbines for exam.Y Fwd Pug Snd cc C-I-C Pac Fleet- CO 3/15

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ARKANSAS: MAIN ENGINES

Number.	Date.	From or To—	Subject.	
234946	Fwd Norf--9/17--RB9/21. 3/4 6/21 Fwd Dept--8/17 R B 9/4 To Norf--Directs assemble material for repairs to turbines.8/17 Fwd Norf--9/5 R B 9/10. To Norf--Ask what has been done.9/6 Fwd Dept 9/11 R B 9/14 Norf 9/11	CO Norf	H P astern turbines - lifting casings - Norf states no material will be ordered for new rotor drums, pending instructions from Bureau Y To--(T)Gives action on.6/25 To Phila-- Ask progress made on forgings.7/24 Insp Phila - Midvale Co state will expedite 7/26 S Norf - request action 7/27 Y	
235134	6/23	Phone Norf	H.P. Astern Turbine. Re renewal of rotor. UY Norf - 6/26 Y	
235492	6/26	Phone Norf	H.P.Astern Rotor. Are preparing reqn and will have expedited. Y	
238269	7/9 7/11	Midvale Steel Co S&A	Forgings - request waiver of photomicrocraphic requirement overlooked in submitting quotations S Fwd S&A--7/18	
240178	7/24	Pgh T	Rotor drums - asks contract requisition from maker S	

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N.S.E. Form 134.

ARKANSAS: MAIN ENGINES: 121 - 9

Number.	Date.	From or To—	Subject.
240663	7/26 ~~To Norf~~	Phone Phila	Rotor drum. Re expedition of manufacture. Y To--Ask progress being made.9/5 Insp Phila - expect to make shipment 9/15 - 9/8 - Y Fwd Norf--9/10 ---RB 9/17.
244196	8/16	Phone Norf	H.P.Rotor drums. Yard stated will not have to be replaced, but parts will. Y
234946	9-22	To Norf OVER To NY-Methods appvd. 12-28	Auth additional stud. Y R B 10/9 To NY-12-10 NY fwds summary of high pressure astern turbine clearances 12-22
257530	10/29	Atl Flt Copy	States not necessary to lift turbine casings at this time.Y
264750	12-1	Phone Norf	Two steel rotor drums for. Asked if have been received. Y Phone- Rotor drums have been received. 12-3
265490	12-7	Phone NY	Work at NY- Informed that ARKANSAS will proceed there for work.Gives repairs required. Y

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ARKANSAS: MAIN ENGINES.

1917

Number.	Date.	From or To—	Subject.
212883	1-27	Norf Personal Norris)	turbines; are grinding down rotor drum in lieu of filing off tips casing blades working overtime.CD
212913	1-29	Norf	Will have dock trial Tuesday or Wednesday.D
213094	1-31	CO	Dock trial indicates repairs to turbines will enable ship to go to sea; request permission to sail Feb 2. Y
213457	2-2	Norf	HP astern turbines; submits genl report on work done.D.
214233	2-8 2-9	JAG Dept	Report of board investigation on injury to turbines.D Fwd Dept--2/12 Engines-Turbine (27) accidents
214346	2/10	To Bridgeport Brass Co	Fwds blueprints showing blading data for Parsons turbines of. D
214527	2/13	Norf T	Request authority to place telegraphic orders for blading material and dummy strips, Amer Brass Co.D Fwd S&A--Rec appvl. 2/13 RB 3-24 To S&A--Reqt reply.3/22 RB 3-24

N.S.E. Form 134.

ARKANSAS: MAIN ENGINES 121 -- 9

Number.	Date.	From or To—	Subject.
214608	2/13	To Dept	Repairs to H.P. Reversing turbines. Will clean out rust formed between rotor and rotor spider. D
217651	2-14 2-26	CO At Flt	Reports in detail on emergency repairs to damaged backing turbines; special commendatory mention Lt. Wilson and Lt Comdr McCommon. C Fwd Dept--3/16 RB 3-22 Fwd Dept--3/23 RB 4-13
219347	3-23	Telephone	To and from New York; turbine replading. 3 messages. Y
221029	4-4	Parsons Co	Turbine machinery; recommends permanent repairs be made as soon as possible. DY To--Appvs offer. 4/7
228967	5/18	Phone Norf	Re reblading H.P. astern turbines. Y
229646	5/19	Phone Norf	& UTAH. Rec work on turbines be not done at this time. Re evaporator job on UTAH. Y Phone Norf--Re work on. 5/21

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[OVER.]

ARKANSAS: MAIN ENGINES:

1916

Number.	Date.	From or To—	Subject.
186775	5-3	Dept	Directs NY to lft turbines casings; assised by ships force.Y
187140	5-4	NY	Lifting of turbines; will undertake as directed by Dept; require 30 days; makes generao recommendations against lifting of turbine casings when engines are working satisfactorily; if done every 2 years as directed, ships force should do work when opportunity offers. C Fwd Dept-- 5/9 RB approving spreading over 2 years of matter of lifting turbines 5/13 Fwd Dept--Refers to 170408-742. 5/15
191257	6-16	NY	Increased estimate for regalvanizing metal covers of turbines.Y To-- Appvs. 6/21
193697	7/8	CO	Reports on lifting of main turbine casings in detail, are in excellent condition.Y

1917

210869	1-8	CO T Copy	Stbd HP astern turbine stripped; port turbine also giving suspesious noises.Y Operations directs proceed Norf for engine repairs 1/9 Operations copy send Norf for repairs 1/8 Operations directs Norf to repair engine turbines 1/10
211274	1-11	CO R	Request 1q days repairs on turbines. Y

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N.S.E. Form 134.

ARKANSAS: MAIN ENGINES. 121-9 1917

Number.	Date.	From or To—	Subject.
211447	1-12	NY	Turbine rotor; drums; reqt vandymes.D
211407	1-10	CO	Main engine; reports on injury; recommends broken blades be removed and vessel be allowed to fo on Southern Cruise with reduced backing power.YD Fwd Dept--1/15
211863	1-16 1-18 Fwd Dept--2/12	CO Dept	States examination shows both high pessure astern turbines damaged; are cutting off broken blades to permit vessel to sail Jan 20.Y Fwd Dept--1/24 RB 1-30 CO probable date readiness for sea Feb 3 (R) 1/25 CO (flimsy) probable date of readiness for sea Feb 2 1/27
211935	1-18	Norf	Blade tip clearance; 4th expansion; reports on; will not make any changes present overhaul. D
212131	1-19	CO	Trial after work done at Norf shows insufficient Recommends additional temporary repairs be auth. DY To Norf--(T) Reqt full report after examination. 1/22
212643	1-26	Parsons Marine T.Co.	Reports on troubles with recommendations for overcoming; recommends yards be furnished with plan entitled " Instructions for adjusting turbines" gotten out by builders.D To NYS--Reqt copies of be obtained from builders, and fwded to Bu. 1/27 To--Gives action taken. 1/27 NYS instructions for adjusting turbine 1-29

NB—0120

[OVER.]

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ARKANSAS, Main engines, etc

1913

4

Number.	Date.	From or To—	Subject.	
97675	5/17	NYS	Defects & deficiencies, re rebabbitting I.P. turbine.	121--2
113095	12/16	ARKANSAS	Reports on economical operation of during recent EUROPEAN CHUISE, and special arrgts made to insure economy at slow speed, recommends similar change on all new constructions.	637
113865	12-29	CO	Reqt that only one turbine casing be lifted.Y To---appd.1/2	
		1914		
114499	12-19 1-6	Parsons Marine Steam Co NY 370-590-1	Bottom thrust block; fwds print showing modified type of adjusting block; submits estimate for installing; Vessel requests.Y To NY.disappd for ARK; appd for trial on WYOMING.1/12. NY reqn being prepared for forgings; lower half only made. 1-21 To NY.understanding of EO is correct.1/26. WYOMING objects to trial installation of white metal facings for thrust 1-21 To WYOMING.directs cooperation in trial.2/7	
116835	1-29	NY 320-960-20	Lag lub oil coolers; cancel JO.Y To---appd.2/5.	
117658	2-11	NY 370-593-10	Repair thrust block. Y To---appd.2/14.	
122047	4-8	CO	Reports on condition of IPC turbine on lifting of casing.Y	

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N.S.E. Form 134.

ARKANSAS: MAIN ENGINES. 121-9

Number.	Date.	From or To—	Subject.	
137955	10-26	CO	Reqt authorized receiver pressure main turbines. D To-- For further information. 11/5	
140219	11-17	CO	Reqt instructions re setting for high pressure ahead and astern turbines. D To-- Instructions. 12/7	
141307	11-14	CO	Reqs. Bu. type of oil cooler	121-8
142700	12-18	CO	Rwqt cancellation of order to change oil coolers to Bu design; S&K type now operating satisfactorily. Y Fwd CO Via NY-- Appvs. 12/28 rb 1 8	
		1915		
143425	12-27	CO	Reports on condition of turbine when casings were lifted. Y Fwd Dept--Have auth to omit examination of other turbines. 1/2 To--Appvs omission of further examination. 1/2 rb 1 5	
151792	3-29	CO	Reqt that turbine casings be not lifted next overhaul. Y To-- Appvs. 4/9	
168351	10/11	CO	Fiske turbine oil "A"; prelim report test	692
		1916		
180532	2/17	CO	Atlantic Refining Co No 184 turbine oil; reports on	692
185795	4-11	CO	Lifting of turbine casings. Fwd Dept--Req work be postponed. 4/26 RB 5/3 Fwd Dept--Req casings be lifted. 5/2 RB appd 5/5	

NB—0120

[OVER.]

ARKANSAS: MAIN ENGINES, ETC. 1912

Number.	Date.	From or To—		Subject.
67173	4/24	NYS	955-2280	Turning gear for turbines; re-submits prints covering.N To---appd.5/4.
68791	5-14	NYS	546-2016	Turning motors for main engines; fwds copy of letter to Diehl changing full load speed 400 rpm. to 375 rpm. L To---appd.5/16. To---2d paragraph appd.5/20.
69197	5-18	NYS	576-2016	Turbine turning motor; fwds specns. and list of spare parts. N-L
69935	5-28	Brook	4433	Turbine turning motors; fwds test records.S To NYS.&---prel.accepted.6/1.
70860	6-10	NYS	1234	Blading and caulking strips for h.p. cruising turbine; fwds copy of order. Reqt. instructions re expediting inspection.NS. To---appd.6/12.To Hart.directs shipmt.6/12.
70861	6-10	NYS	1233	Comp. castings for blading stops; fwds copies of order;asks inspection be expedited.N-S To---appd.6/12.
70965	6-11	NYS	676-2016	Turbine turning controllers; furnished by Cutler Hammer Co.Reqt. approval. L
72963	7-9	NYS		Gargoyle oil;remaining on board; after trial; recommends be not purchased. N To---Purchase not approved.7/18.
76769	8/27	C&R	25199-E.14	Fwds.estimates change in cost.ect.in connection with fitting foundations for forced lubrication system.N To NYS Asks if work has been adjudicated. 8/29. Fwd C&R. satisfactory to Bu. 9/3

N.S.E. Form 134.

ARKANSAS: MAIN ENGINES? ETC. 121-9

Number.	Date.	From or To—	Subject.	
77018	8/30	NYS 2267	States estimates covering cost of foundations for lubricating oil settling tanks were not included in estimate on change in lubricating system.N	
81851	10/31	NYS	ARKANSAS; Recommends changes in emergency and control governor, etc. fwds print	121--21
83385	11-22	NYS 2362-2267	Forced lubrication; settling tank foundations; inc.cost.N To---ToGen Inspr for inc cost.11/23.	
85548	12-18	Bd on Changes, NYS	Portable foundation forced lurication tanks;inc.cost.N To NYS. appd.12/20.	
85858	12-24	NYS	Foundation forced lubrication; change in weight. N Fwd C&R.12/27.	
89814	1-29	CO	1913 Stbd h.p. turbine; reports excessive wearing thrust rings due to too much propeller thrust.Y Fwd NYS. for comment.2/11. RB 2/17 To---Fwds copy of NYS's letter.2/21. Fwd Bd I&S.2/21. RB 3-10	
91405	3/6	To CO	Turbine blading: Fwds copy of Parsons Turb. letter recommending modifications, and asks if recommend for vessel. C.O. recommends against 3/18	455-9

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[OVER.]

Number.	Date.	From or To—	Subject.
41701	6/19	Chester 1925	Castings; rel to rejection. Goes into detail re tampering with stamp by Penn Steel Casting Co. S
43482	7/11	NYS 1424	Ladders, gratings and floor plates in eng ne room; fwds tracing of. N To C&R. Reqst plans of operating gear for armored hatch be submitted.7/19. To---Appd as mod.8/14.
44121	7/20	NYS 1489	Recommends fitting additional oil coolers in each engine room to provide reserve capzcity cooled oil for turbines.N To -- Appd.7/22.
44476	7/25	NYS 1542	Fwds contractors proposition to make changes in steam leak-off of inner pocket h.p. and l.p. cruising turbines. N To---Appd.7/31.
45612	8/4	C&R 23333-E.4	& UTAH;Armoured hatches in engine room; fwds prints of opering gear.N
55173	12/4	NYS 2685	H.P.ahead turbine; relative to relief valves on steam chests.N To--Relief valve must be fitted.12/6.
			1912
24750 Old #	2/13	To NYS	Forced lubrication system; settling tank; Tanks to be installed in each engine room.N Reqst estimate of increased cost.

N.S.E. Form 134.

ARKANSAS 121--9

Number.	Date.	From or To—		Subject.	
61948	2/23	NYS		AReport on operation:during dock trial	121--2
63439	3-9	NYS	633-2267	Settling tanks; forced lub.sys; inc.cost.N Fwd Dept.Rec appr of installation.3/14. RB 3-16 a'ppd To Genl Inspr for inc cost.3/16 Fwd C&R.3/16. To---plan appd.3/16.	
63767	3/16	To NYS		Rings, made in halves, will be fitted to rotor shafts at each end to deflect the escaping steam from the oil guards of main bearings. ~~3/16~~ N.	
64941	3/29	NYS	753-2265	Deflectors on rotary shaft; gives est.inc. cost for installing, to prevent water and steam from glands entering lubricating oil.N To---Not to be treated as change in cost.4/1. Fwd C&R.4/1.	
65264	4-2	Bd. on Changes, NYS		Settling tanks for forced lubrication sys; inc cost. N Fwd Dept.rec appr.4/3. RB 4-6 a'ppd To NYS appd.4/8.	
65739	4-6	NYS	393-2016	Main turbines; training motors for; drawings of Diehl and Cutler Hammer to supercede those approved by Bureau.N To---appd.4/19.	

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[OVER.]

121 -- -9
ARKANSAS; - MAIN ENGINES: CYLINDERS: ETC.

FILE No.		From or To— (Dated)		Subject.	
28376	1/4	NYS	22	White metal for bearings; requests inspection be expedited. To -- Ref Phila reqst analysis 1/7. R.B. Given action. 1/11 Fwd -- 1/12. R.B.1/17	
31549	2/13	NYS	778	Exhaust nozzles for H.P. turbines; fwds b/p N To -- apprd 2/17.	
31604	2/14	NYS	341	Lifting gear for main turbines; fwds b/p.N To -- apprd 2/17.	
32949	3/3	NYS		Turbine turning motors; fwds plan of description Ret -- Apprd as mod.3/11. R.B.3/14	
33414	3/9	NYS	520	Throttling calorimeters; est. inc. cost.N To -- Apprd 3/11.	
33423	3/9	NYS	529	Change in material of thrust collars. Inc. Cost.N. To -- Apprd 3/11. Fwd Dept rec appr.6/13.	RB 6-17 a'ppd
35873	4/11	NYS		Governor gear, indicators, etc. Fwds b/p.N To -- apprd as mod.4/15.	
38619	5/12	NYS	1060	Lubricaing oil storage tanks; in engine room; fwds prints showing arr. and details.N To -- apprd 5/22.	

NB—0120

ARKANSAS MAIN BOILERS ETC. 1922

Number.	Date.	From or To—	Subject.
632245	7/19	To NY	Alterations to Distilling Plant- Fwds Plans cc C-I-C- Atl Fleet- CO- C N O To Comdt New York- Fwds vandykes 8/31 Db
636216	7/28 8/3	CO Atl. Fleet	Request removal of present boilers and install 4 small type battleship oil burning boilers.DY Fwds Operns 8/21 RB 8/28 Y Fwds Nav Operns via C&R 9/8 Db
638577	8/18 8/19	CO Atl. Battleship Force	Request spare water leg for main boiler be furn. Y To S&A Reqst shipment of boiler parts from Phila to NY 955 8/25 RB 10/14 Y S&A 9/13 Copy of action to NY Y
651581	11/20 11/27	CO Atl Fleet	Fwds sketch of present & proposed arrangement of boiler baffles. D To CO- via Div 5- Comdr batlshp Force- change authd 12/8

4—3381

N. Eng. 134

121-10

Number.	Date.	From or To—	Subject.	
639144	11/28	NY	Submits estimates covg changes to main boiler fronts Y	121-8
655392	12/29	NY	Confirms telephone conversation rel to low pressure evaporating plant and new refrigerating system D	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
582107	8/25	To Pug Snd B	Boiler Repairs ;Givew comments Yb Pug.Sd.- Nec to renew 98 tubes. 9/12 Y	
597603	11/23	CO	Fwds samples of tubes taken from vapor feed heaters of evaporator plant showing pitting and corrosion- rqst be retubed. Y To NY- issue of tubes authorizede cc CO 11/30	
		1922		
605810	1/22	CO (T)	Request safety valve plug complete be fwded from N.Y. Y Brooklyn- (T) Cannot supply/ 1/24 R To Brook (T) Ask ~~to~~ have available for shipmt of valves 1/24 CO (T) Request valve springs and discs be furn. 2/3 DY To CO (T) Ask if valve body will be required 2/2	
60				
616446	3/17	CO	Boilers- internal feed piping- desire to rearrange to diminish corrosion-present piping below normal water level. D. To C-1-C Atl Fleet Gives inform cc Comdr ship WYOMING CO 4/7	

612

4—3381

N. Eng. 134

1922

121-10

Number.	Date.	From or To—	Subject.	
616577	3/24	CO	Request side cleaning doors for main boiler be furnished Y Fwds Atlantic Fleet 4/8	
620013	4/4 4/21	CO Dept	Request renew ashpans in boilers Y	
626088	5/31	N.Y.	Subm estimates cov repairs to internal feed piping fittings and steel drum fittings. Y	
626854	6/6	New York	Forced draft blowers motors. Fwds revised vandykes Y	

4—3381

[OVER.]

ARKANSAS: MAIN BOILERS: ETC

Number.	Date.	From or To—	Subject.	
385210	1;11	Norf	Req. vandykes showing 6" patent ejector	
435241	7/8 7/25	Pacific Flt Dept	Examination of boilers - report on urgency of repairs needed - Y Fwd Operations. 8-29 Dept-8;7	
436904	8/2	Pacific Fleet Copy	MISS. has two damaged propellers, ARK boiler 494 defects of machine caused fuel consumption to be excessive WYO fuel expenditure also heavy. A Combatron One- copy- arrangements amie to install spare propellor shaft and couplings 8/12	
449869	10;3	JAG	Report of Bd of Investigation to inquire into present condition of condensers and boilers.Y	121-8
451181p	10;8	Pug Sd	Boilers- reports on-submits sketch showing tubes to be removed and proposed method of securing elements-fwds samples from tubes.Y Fwd Operations. 10-15 RB-10;18 To Pug Sd- (T)-Renewal two inch tubes boilers authorized. copy to CO and Operations. 10-18	
451966	10;9	CO	Request authority to dismantle and turn in ~~xxxx~~ fire room elevators and equipment.Y&D cross to fire rooms & Elevators. Fwd C&R. 10-22 1921	
~~52x~~ 569692	8;15	Pug Sd	Fwds sample of condenser tubes.	121-8

N.S.E. Form 134.

121 - 10

1919

Number.	Date.	From or To—	Subject.
452861	10/21	P Snd Copy	Reqst immediate shipment of tubes necessary to retube boilers - Y P Snd - T - lists additional material reqd - 10/21 To Pug Sd (T)- Shipment 2" boiler tube for ARKANSAS will be made from Mare Island. 10-21 To (T)- boiler tubes 3/4" OD.083 thick to be furnished from Mare Island.Condenser tubing .527 OD not standard and not in stock. Advise necessity of tubes. 10-22 P Snd - T - 11/1 Pug Sd-reqt action-12;19
453112	10-22	To S&A	Reqt shipment boiler tubes from M Is Pug. Sd. Yh R B 1/28 To S&A- Reqt shipment boiler tubes from M Is to Pug Sd. 10-22 RB-12x1;3 To Pug Sd. Advise if tubes rec'd. 12-20 To Pug Sd- Advise if tubes rec'd. copy to CO. 1-15
468613	1;6	Pug Sd	Smoke pipe for ranges in crews galley- fwds prints with estimates.D To Pug Sd- plan appvd. 1-23 copy to CO
554151	3;19 3;23	CO Pac Btlship Force	Fwds samples of corroded boiler tubes.Y To AnnapolisReqst Test be made cc Pacific-CO 3/30

1920

4—3381

[OVER.]

1913

Number.	Date.	From or To—	Subject.	
112787	12/15	C.O.	List of forced draft blower work be done by ships force.	121--8
		1914		
129774	7-5	CO	Reports changes made in false bridge wall and resulting economy in coal. D To---comments; further experiments not appd. 7/22. CO have removed fittings 8-9	
132038	8-2 8-11	ARKANSAS Exp.Sta TEST 457	Reqt analysis of deposit found around hand hole plates B&W boilers. D	
		1916		
177193	~~12/6~~ 1/26	To CO	Safety valve setting	680
193059	7-7 2:16	NY CO	Forced draft blowers, fwds print and submits estimate for installing self aligning ball bearings. D To--- Auth to replace. 7/12 To CO- Inform effect on installation of self-aligning ball bearings. 2-7 see 390672-488-10	X
		To Operations- Recommends for appvl installation of roller bearings on the forced draft blowers on the WYOMING similar to blowers on the ARKANSAS. 3-1 To Dept 3:1 back 3:7 auth. installation of roller bearings on motors of forced draft blowers of WYOMING (cross to Wyo. 10)		
		1917		
217094	2-12	CO	Description and report on operation of evaporator coil drain feed water heater; fwds plans and recommends adoption as standard installation; designed by Lt. EE Wilson	750
240190	7-24	Phone Pitts	Re Progress of work on rotor drums for ARKANSAS, etc.	666

N.S.E. Form 134.

121 - - 10
ARKANSAS: Main boilers, etc.

Number.	Date.	From or To—	Subject.	
260714	11-15	To CO T	Referring verbal reqt Fitvh fort transfer ARKANSAS to WYOMING spares for blowers the blowers of these vessels not similar. Telephone to Bu spares required. Y	488-10
270232	12/28	Patrol Force copy	Request complete set of tubes for boilers.Y	
287409	3/6	CO	Request change in safety valve settings - D To Comdr Div. 8 via Battle shipt Force Two. 3-14 Dept - Fwds CO's request for increase in authorized safety valve settings. D 6-26 To C O NEW MEXICO, rqst for change authorized 6-29	
319041	6-21	To S&A To NY8/4 B 8/16	Rqst shipmt distiller from NY to C O D To NY Via S&A Rqst inform re receipt of above 8-12	
319077	6-29	To NY	Enclosing vandyke prints of modification of evaporating and distilling plant, D	
322898	6-29	CO	No record on ship of request for Rawley distiller - present installation ample. Y & D To NY (T) Cancel shipmt distiller and spare coils To S&A, Re cancellation of shipmt--distiller 7-9 NY - T - Shipment order cancelled. D 7-10	
325873	7/17	NY	To Not to install evap i n ARKANSAS and r leases piping as listed	695
369109	11-16	ToCO	authorized safety valve settings forboilers, D	

NB—0120 [OVER.]

C O 1;11;19

ARKANSAS: MAIN BOILERS:ETC. 1912

Number.	Date.	From or To—		Subject.	
61447	2-16	NYS	404-2259	Omission of spare ash pit doors necessitates changes in specns. N	
61948	2/23	NYS		AReports on operation, during trial.	121--2
62312	2/28	NYS		Dock trial: furnace mouth cheek plates burnt out, contractors claim caused by poor firing; think defect is in arrangment plates, suggests be remedied before trial.	121--2
62440	2-29	NYS	534-2256	Evaporators; asks what is a safe working pressure while being worked in double effect.N To---50 pounds.3/2.	
79746	10-8	NY	370-759	Modified internal feed piping; asks if order if to be transferred to Phila. D To-- cancell J.O. 10/10	
83375	11-22	NYS	2365-2295	Fire room ladders; alterations; inc.cost.N To---To Gen Inspr for inc cost.11/23.	
83376	11-22	NYS VOID	2360-2287	Gary-Cummings torsionmeters; inc.cost.N	
83377	11-22	NYS	2368-2286	Distilling plant; change from single to double effect.Inc.cost.N To---ToGen Inspr for inc cost.11/23.	
83380	11-22	NYS	8369-2269	Forced draft blowers; remote control; inc.cost.N Fwd Dept.Reqst approval.11/25. RBU 29 a'ppd To---appd.--To Gen Inspr.11/29.	

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N.S.E. Form 134.

ARKANSAS: MAIN BOILERS: 121-10

Number.	Date.	From or To—		Subject.
83383	11-22	NYS	2361-2269	Forced draft blower discharges; automatic shutters for; inc.cost. N To---To Gen Inspr for inc cost.11/23.
83751	11-27	NYS	2345-2266	Ash2ejectors; est. dec. cost. N Fwd Dept.reqst appr.11/29. RB123 a'ppd To---& Gen Inspr.dec cost.12/4.
85549	12-18	Bd on Changes, NYS		Fire room ladders;inc.cost.N ToNYS. appd.12/20.
85550	12-18		ditto	Distilling plant; change in from single to double effect. Inc.cost.N To NYS. appd.12/20.
85554	12-18		ditto	Forced draft blower discharge; automatic shutters;inc.cost.N To NYS. appd.12/20.
85558	12-18		ditto	Control apparatus forced draft blowers; inc.cost.N Fwd Dept rec appr.12/20. RB1 2 a'ppd To NYS.appd.1/2 Change in weights 1-6 Fwd C&R.1/8.
85560	12-18		ditto	Substitue ash ejectors for expellers; dec.cost.N Fwd Dept.rec appr.12/20. RB1 2 a'ppd To NYS.appd.1/2. change in weights 1-6 Fwd C&R.1/8. Memo.to Capt.Winterpalter: comment re inc.cost under C&R.8/5
85861	12-24	NYS		Distilling plant; change in weight. N Fwd C&R.12/27.
85867	12-24	NYS		Shutters for forced draft blower; change in weight. N Fwd C&R.12/27.
85868	12-24	NYS		Fire room ladders;change in weight. Fwd C&R.12/27.

1913

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[OVER.]

ARKANSAS: MAIN BOILERS:. ETC.

Number.	Date.	From or To—		Subject.
45962	8/9	Bd.on Changes. NYS	1648	Inswinging ash doors; est.inc.cost.N Fwd Dept. Rec appr.8/14. B B 8-17 appd To NYS appd.8/17.
46518	8/16	TO NYS		Directs estimates be submitted for automatic shutter on fire room blower discharges. N
48309	9/9	NYS	1848	Tubes; repo ts several tubes in stbd boiler will foul stema chest of auxiliary feed pump in case it becomes necessary to remove.N
49856	9/29	NYS	2023	Fire room blowers; fwds tracing.N To---Appd as mod.10/10.
53796	11/16	NYS	2509	Ash hoist; estimated increased cost due to changes in. N To---Appd.--To Genl Inspr for inc cost.11/18. Fwd C&R.11/18.
54826	11/29	NYS	2650	Recommends removal of ladders, upper gratings to fireroom floors----take up too much room.N To-Appd. Install ladders on blkd.12/2.
55601	12/7	C&R	25151-E.16	Gratings for uptake hatches; fwds prints. Recommends contractors not make modifications at this time.N Ret-Concurs.12/18.
55966	12/13	To NYS		Swash plates in boiler steam drums; will be sheared off about 3" from bottom to allow greater passage of feed water. N

N.S.E. Form 134.

ARKANSAS: MAIN BOILERS: ETC. 121--10

Number.	Date.	From or To—		Subject.	
56478	12/18	NYS	2832	Fire-room blowers; shutters for; fwds modified tracing.N To--Appd.with mod.12/23.	
57269	12/28	NYS	2925	Fire room ladders; alterations to; fwds tracings. N To---appd. Reqst est.of inc cost.1/9.	
				1912	
57575	1/3	NYS	2259	Swash plates in boiler steam drums; B&W state no change to be made and recommends Bureau ~~to~~ adhere to original proposition at increased cost.N To---Change to be made; reqst est.of inc.cost.1/4.	
58171	1/9	NYS		Arr. detail and fittings boilers for fuel oil.	121--16
59694	1/26	NYS	208-2259	Cutting off swash plates boiler drums;est increased cost. N To---& Genl Inspr.for inc cost.~~p~~--Fwd C&R. 1/27.	
60458	2-5	Bd.on Changes. NYS	291-2259	Boiler drum; cut away bottom swash plates; inc.cost / N To NYS appd.2/6.	
60448	2-5	Bd.on Changes. NYS	280-2266	Change ash hoist; inc.cost.N To NYS appd.2/6.	
61078	2-12	NYS		Asks if spare inswinging boiler ash pan doors will be required. N To--via S&A.Directs omit from allowance. 2/15. To---Not required.2/15.	

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[OVER.]

FILE No.		From or To— (Dated)		Subject.	
34747	3/27	TO Cramps		Directs installation of inswinging ash pan doors. N To -- Gen Inspr for inc cost.3/27.	
35872	4/8	NYS	798	Ladders and gratings in fire room; fwds trac.N To -- Apprd 4/15.	
35859	4/10	NYS	805	Ash ejector; fwds prints of piston pump proposed for.N To -- Apprd as mod.4/14.	
37309	4/27	NYS	933	Evaporating & distiller plant; arr. of; submits modified plans.N To -- Apprd as mod.5/8.	
40282	6/2	NYS	1199	Inswinging ash doors; fwds B&W prints.N. To -- Apprd 6/5.	
17694 Old #	6/13	To Dept		Nolan bottom blow valves; Change in cost. Rec approval. N	
41684	6/20	NYS	1327	Ash ejector pump: reqt approval of.Katzenstein's metallic packing in place of Harper's mica para. N To -- Apprd.6/22.	
44546	7/24	Taunton New Bedford Co		& HENLEY: brass tubing: will waive tensile strength.	442--10
25788	old #	R.B.from Inprs NYS		ARKANSAS: re tests of forced draft blower motors & spare armatures. RB 8-7	old number

NB—0120

FILE No.		From or To— (Dated)	Subject.	
28951	1/11	B&W 25	Recom. furnishing copper flexible hose, for To --Auth.contrs to fur. 1/2 steam hose and 1/2 flex.metallic type for comparative trial 1/21.	
30430	1/25 1/25 1/30	Schutte & Koerting Phila. Ins. 2517 Cramps. 201	Feed water heaters; fwds reqt. from subcontractors for permission to tin leaky headers. D To Insp Phila. Appd 2/1 R.B.2/6	
30839	2/4	TO NYS	Inswinging ash doors for boilers; directs; submit estimate for increase d cost for fittings.D.	
31432	2/11	NYS 333	Evaporator feed water heater; asks if duplicate of UTAH will be satisfactory. N To -- Utah's satis.for Ark. 2/15.	
31675	2/15	C&R 25105-E.2	Fireroom elevators; fwds plans and specns. for comment. N Ret -- Satis.to Bu.2/23.	
32178	2/21	Phila 2517	Feed water heaters; reports leaky headers tinned and satisfactorily tested. S Ret.--apprs acceptance 2/25. R.B.2/28	
32924	3/2	NYS 460	Evaporator & distilling plant; fwds tracing showing genl. arr. N To - apprd as mod.3/14.	
32951	3/3	NYS	Floor plates in firerooms; fwds tracing showing arr.N. To -- Apprd as mod.3/8.	
34209	3/23	To Dept	Inswinging ash doors; Rec.be fitted. Also for WYOMING.	488-10

Number.	Date.	From or To—	Subject.	
590885	10/6 10/17	CO ARKANSAS Atl Fleet	Submits report on changes power boat mach Y	611-9
595162	11/16	C&R	Copy of letter to CO asking what flag boats are on board for BS Div 5. Y	611-13
598628	12/3	C&R	40' motor barge 3170 is on board ARKANSAS for use of Battleship Div 5 Y	611-13
Ark Rqns	163-179	12/17 To CO	power boat engine parts- Gives Action taken on rqns Ye R	
636922	7/31 ?	JAG C&R	Report cov fire in 4th motor sailing launch on board ARKANSAS BY	611-2
639160	8/17	CO	Request spare parts listed for motor boat engine be furnished Y To CO USS ARKANSAS-Comments on 9/5 Ye	

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ARKANSAS AUX MACHY 1922

Number.	Date.	From or To—	Subject.	
649757	11/11 11/14	CO ARKANSAS All Battleship Force	Request exchange of motor boat engine for one of standard size Y	611-2

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[OVER.]

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N.S.E. Form 134.

ARKANSAS: AUX MACHY 1921

Number.	Date.	From or To—	Subject.	
557423	4/13	C&R	Copy of letter to CO ARKANSAS stating 35' motor boats will not be obligated under funds Y	611-12
557133	4/12	C&R	Copy letter--Pacific Fleet in connection with cancellation of skipment of 50' steamer 5445 to CO ARKANSAS.	611-1
571341	6/23	C&R	Copy of let to Pug Sd stating 35' motor boat will not be issued to ARKANSAS until July Y	611-12
583331	8/25	Atl Flt	Fwds special report on WYOMING & ARKANSAS excessive fuel consumption-general criticism of inadequate and inexperienced commissioned and enlisted personnel and complaint that fleet engineers services are diverted from their proper duties with fleet. A	493
585808	9/14	CO	Request authority to turn in all steamer spare parts on vessel. Y To CO Authd 9/23	
586505	9/20	ARKANSAS T	Request generator starting motor for Van Bierck engine #3333 to replace one damaged by fire Y	611-12
589743	9/24 10/7	CO ARKANSAS Atl Fleet	Submits report of changes in power boat machinery Y	611

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ARKANSAS:AUXILLARY MACHINERY 1919 7

Number.	Date.	From or To—	Subject.	
384554	1/13	To Arkansas	Asks correction of ships log	611-2
393280	2/2	CO ARKANSAS	In conn weng #s inst in motor sailing launches Y	611-2
410586	4/16	To ARKANSAS	Request correction, engine 7171. Installed in boat 6696, reported as 6695.	611/2
456247	11/5	C&R	Copy letter to Norf directing turn over 2, 50' oil burning steamers to ARKANSAS.	611-2 Y
459116	11/20	C&R	50' oil burning steamers 5453 & 5454 assigned to ARKANSAS: Y.	611-1
485507	4/3	C&R	Copy letter to ARKANSAS requesting full report be submitted on condition of 40' steamer 2808. Y	611
490432	4/17 4/28	ARKANSAS C&R	Submits detailed report on condition of 40' steamer 2808. Y	611-3
517295	9/17	To ARKANSAS	Reqst correction of number. Y	611
534364	12/11	C&R	Copy of letter to Norf authorizing ship 50' steamer 5445 to CO ARKANSAS. Y	611-1
556220	3/31	CO ARKANSAS	Request 2 35' Motor Boats be furnished Y	611-12

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121 - - 11 - ARKANSAS: AUXILIARY MACHY. 1917 1918

Number.	Date.	From or To—	Subject.	
270177	12-27	N Y	Boiler type W 44 installed in ARKANSAS'S launch 1115. Y	611-1
278582	1-24	NY	ARKANSAS. Launches 1177 and 1178 - rel to cost of repairs, etc. Y	611-2
280189	1-16	USS ARKANSAS	Motor launches 1177, 1178 fwds copy of survey on request instructions rel to repairs to engines. Y	611-2
291318	3-20	NY	Engine W-1285 boiler 43 installed steamer 2630. Y.	611-1
319231	6/20	USS Arkansas	Boats 1028 and C-185 temporarily transferred to the Arizona. Y	611-2
320209	6/24	C&R	Confirms telephone conversation in connection with status of motorboats on board. Y	611
323064	7/5	Phone Call Norf	Authorized to install engines in two 40' motor sailing launches for ARKANSAS Phone Norf-Rqts that engines listed be assigned to hulls 6695-6	
324384	7-8	Norf	ARKANSAS motor boat 6695-6 engine 7171-2 assigned.	611-2
325926	7-10	To Norf	re phone conversationre repair to self-starting generator, and sending man to NY to secure same L	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
322884	6/29	USS A		
329805	7/23	C&R	Arkansas Lanches 6695-6 issued 1177-8 turned in store Y	611-2
329903	7/22	C&R	Assignment of 40' M S launches to ARKANSAS	Y 611-2
366473	11/7	C&R	Asks re whereabouts of boats on bd, Nos 1177 and 1178 ARKANSAS quarter ending 9/30	611-2
369431	11/15	Norfolk.	Confirms telephone conversation in conn with engine for 40' motor sailer 1178 turned into Yard by ARKANSAS. Y.	611-2
375287	12/6	Sims.	Cpy 1152, C&R 12/6 requ 50' boat be supplied to ARKANSAS at once. Y.	611-1
375287	12/6	SIMS	Cpy 1152 C&R 12/6 requ 50' boat be supplied ARKANSAS at once. Y. Fwd C&R 12/7.	611-2
383384	1/7	C&R	Cpy letter to Norfolk in conn with 50' steamer 5493 to ARKANSAS? Y.	611-2

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[OVER.]

ARKANSAS: AUXY MACHY

1916

Number.	Date.	From or To—	Subject.	
206511-11-24		C&R	New power boat allowance.Y To NY--Ask if can complete boats before vessel leaves for south. 11/25 NY states engines must be in yard by Dec 10th in order to have installation completed by Dec 20th 12/2	
207438	12-5	C&R	Asks status of delivery of engines for motor sailing launches 2642,43,and 2494.Y Norf (R) engine received under test 12/6 To Norf--(T) Ask if engine 3303 of barge 2494 has been received. 12/6 Fwd C&R--12/6 NY request delivery of motor barge 2494 be expedited 12/6 To Norf--Bu advised that eng for Barge 2494 has been received at Norf and is under test.12/9 C&R request engines be expedited 12/12	
208314	12/12	NY T	Reqt express engines	611-2
208896	12/16	NY	Boiler W 14 replaced in steamer 1032	611-1
210197	1-2	NY R	ARK: & WYO: 50' motor launch; unable to complete due to non receipt of material from Norf. Lists material required.	611-2
210573	1-5	NY T	Launch received from Phila without fittings.Y Fwd S&A--Reqt fittings be delivered. 1/6 To--(T) Norf directed delivery fittings.1/6 S&A states papers have not been returned from Norf 1/16	RB1-29

1917

N.S.E. Form 134.

ARKANSAS: AUXILIARY MACHY. 121 -- 11

Number.	Date.	From or To—	Subject.	
212140	1/18	ARKANSAS	Motor sailing launch 2642 and 3. Fwds data sheets. Y	611-2
213899	2-6	NY	Eng 1312 removed steamer 3248 ARK for repairs	611-1
215659	2-21	NY ARK	Engine 1312 replaced steamer 2248 ARK	611-1
220057	3/16	FLORIDA	Motor boat 2494 transferred to ARKANSAS	611-2
240251	7-24	C & R	Steamer 1033 turned in from ARKANSAS to Norfolk	611-1
242702	8-6	C&R	Assigns 50' steamer no number to ARKANSAS	611-1
244991	8/21	C & R	ARKANSAS, steamer 1115 assigned.	611-1
251972	9-30	ARKANSAS R	Reqt auth to purchase in advance of requisition parts for Van Blerck engine for admiral's barge.	611-2
252636	10/3	C&R	Directs NY issue steamer to UTAH to replace 1031 transferred to ARKANSAS.	
252635	10/3	C&R	Reqt ARKANSAS inform Bureau as to what steamers were transferred to UTAH for repairs by Norf.Yd.	611-1
255944	10-13	ARKANSAS	Submits report on Van Blerck Motors in ships's boats.	611-4
259088	11-5	C&R	Assigns steamer 2630 to Arkansas. Y	611-1
262778	11-21	NY	Engine 1209 installed in cutter 1115, ARKA. Y	611-1

NB—0120

[OVER.]

ARKANSAS: AUX. MCHY.

1915

Number.	Date.	From or To—	Subject.	
172711	11/29	NY	Reports installation M eng 1312 steamer 2248	611-1
172610	11/29	NY	Seabury boiler 5000 installed in steam cutter 2248	611-1

1916

177433	1/28	To CO	Power boat machinery; discrepancy in report	611-1
177886	2/2	To CO	Steamer 2248; Seabury boiler 5000; reqt report on efficiency of	611-1
178751	2/10	NY	Engine 1010 removed from steamer 1167 for repairs	611-1
178942	2/11	NY	Boiler 2073 removed steamer 1169 for repairs	611-1
181558	3/11 & 3/13	Reports installing Seabury boiler 5001, engine 313 in steamer 2249 From NY		611-1
183564	3/31	C&R	Motor boat 2747 assigned to in lieu of 40' steamer	611-2
185540	4/22	NY	Boiler 1454 removed from steamer 393 for repairs	611-1
185528	4/20	CO	Seabury boiler 500 in steamer 2248; report on performance of; if deficiencies remedied and safety valves increased to 200#, boiler will be satisfactory	611-1
185922	4-27	To NY.	Portable metal ash chute; authorize alterations to. Y	
186272	4/29	NY	Boiler type W-6, removed from steamer 988 for repairs	611-1

N.S.E. Form 134.

ARKANSAS: AUXILIARY MACHINERY. 121 -- 11

Number.	Date.	From or To—	Subject.	
186674	5/2	NY	Boiler type W#6 been returned to ARKANSAS	611-1
187866	5/15	To CO	Reqt submit new Table No. 14 to replace one sent in steam log	611-1
188107	5/15	NY	Boiler 5001 received from ARKANSAS for repairs	611-1
188676	5/2[illegible]	NY	Seabury boiler 5001 returned to vessel	611-1
195604	8/4	C&R	Motor boat 2307 transferred to WYOMING	611-2
195605	8/4	C&R	Motor boat C-185 transferred from WYOMING	611-2
203424	10/23	NY	Reports removal of Premier engine 3359 from launch C-185, for repairs	611-2
203769	10/26	NY	W Boiler 6 removed steamer 988 for repairs	611-1
204724	11/6	NY	Premier engine 3359, installed in launch C-185	611-2
205849	11-13	CO	Boat boiler tubes; reqt authority to turn in. To via NY--Gives action to take. 11/18	RB 12-13
205655	11/14	CO	Motor gigs 2307 and C-185 and motor barge 10-28 transferred to WYOMING	611-2
206066	11/20	NY	Boiler type W replaced in steamer 988	611-1
206385	11-22	NY	Boiler W 15 removed from steamer 1033 ARK for repairs.	611-1

NB—0120

[OVER.]

ARKANSAS: AUXILIARY MACHY

1913

Number.	Date.	From or To—	Subject.	
101038	7-8	C&R	Reports exchange by ARKANSAS steamer 1032 with 1169.	611-1
103627	8/13	To	Motor sailing launch 1177, not reported in log	611--2
105875	9/16	NY	Reports removal of type W-1 engine 1194 from launch 1032 for repairs.	611--1
107241	10/4	NY	Reports removal of boiler type W-1 14 from cutter 1032 for repairs	611--1

1914

123189	4/22	C&R	Reports 50' steamer 988 and 33' motor boat C 185 transferred from WYOMING to ARKANSAS	611-1
126963	6/9	C&R	ARKANSAS; reports transfer of motor barge C-182 from the FLORIDA	611-2
138314	10/30	To ARKANSAS	Motor boat C-182; reqt numbers of engine	611-2
142481	12-17	NY	W-6 removed from steamer 988	611-1
142476	12-17	NY	Eng 1191 removed from steamer 988	611-1

1915

143949	1/6	NY	Reports installing boiler W-6 steamer 988	611-1

N.S.E. Form 134.

ARKANSAS: AUXILIARY MACHINERY. 121 -- 11

Number.	Date.	From or To—	Subject.	
151752	4/3	ARKANSAS	Reqt assignment oftype KK engine to replace 2017 and 2004 motor boat 1177-8	611-2
153330	4/24	ARKANSAS	Reqt assignment of 2 HH engine to sailing launches	611-2
154513	5/7	NY	Boiler 2065 removed from steamer 1154	611-1
154814	5/12	NY	Type W boiler 14; removed from steamer 1032, ARKANSAS for repairs	611-1
156522	5/31	ARKANSAS	Reqt engine 2435 and 2436 be installed in sailing launchesbeing overhauled in lieu of present DD engines	611-2
156416	6/1	NY	Reports removal of W-1 engine 1166, steamer 988 for repairs	611-1
156417	6/1	NY	Reports W boiler 6 removed steamer 988 for repairs	611-1
157021	6-5	NY	Engine 2017, 2104, removed from 1177 and 1178 for repairs	611-2
157492	6-11	C&R	2248-9 assigned	611-1
158969	6/23	NY	W boiler 14, replaced cutter 1032	611-1
158970	6/23	NY	W engine 1166, boiler 6, steamer 988	611-1
158974	6/23	NY	Boiler 2065 replaced steamer 1154	611-1
158972	6/23	NY	Engine 2017 replaced 1177	611-2
158973	6/23	NY	Engine 2104 repla ced 1178	611-2
161489	7/18	Atl Flt	Reqt motor boat be supplied ARKANSAS for use of staff	611-2
164520	8/28	C&R	Assigns 35' motor boat 2307 to Staff BS Squadron to be carried on ARKANSAS	611-2

NB—0120

[OVER.]

121 -- 11

ARKANSAS: auxiliary machy 1912) 2

Number.	Date.	From or To—	Subject.	
67530	4/29	Norf.	Reports issue boiler Bu.Design 8 to 990.	611--1
67529	4/29	Norf.	Reports issued of Type W 1168 engine to 990	611--1
68791	5/14	NYS	Turning motors for main engines, fwds copy of letter to Diehl Changing full load speed 400 RPM to 375 RPM	121--9
69197	5/16	NYS	Turbine turning motor, fwds specfs, and list of spare parts.	121--9
69255	5/20	NYS	Change in, caused by changing type of Terry turbine turning motors.	121--21
75325	8/8	C&R	BOATS, reports arrangement for shipment of steam cutter 1154, and motor sailing launches #1170 and 1178 to Phila. for.	611--0
77743	9/5	Norf.	Reports shipment of engine E-3 1026 and gasoline engine 2104, 2017 to Phila for	611
77742	9/5	Norf.	Reports issue of WARD boiler G-2 2065 to cutter 1164	611--1
79497	10/5	C&R	AUTH. issue steamer 1033 in lieu of 990 to	611--1

NB—0120

N.S.E. Form 134.

ARKANSAS: Auxiliary machinery. 121--11

Number.	Date.	From or To—	Subject.	
No #	11/6	To Norf.	Type DD engine in sailing launch; request comment. D RB 11-18	
82881	11/13	Norf.	Comments on survery(above) of DD engine in sailing launch on, summarizes tests of engines, etc.	611--2
84237	11/27	C.O.	Repair oil pressure gages and engine steamer 1033, type W-1 1195.	121--8
			1913	
88674	1/27	To Ark.	Power boat machy, steam log does not give numbers.	611--1
93063	3/19	Arkansas	Fwds report on changes made at NY.Yd in motor installations.	611--2
93345	3/25	NY 370-530-1	Requests authority to remove machinery frol 40-ft.steamer 1154.Y	
94816	4/12	C&R	Reports temporary loan of steamer 1116 to	611--1

NB—0120

[OVER.]

121--11

ARKANSAS AUXILIARY MACHY.

FILE No.	From or To— (Dated)	Subject.	
28877 1/11	NYS	PUMPS: cir. 30", fwds prints of details of TERRY steam turbine for	121--19
33259 3/8	C&R	BOATS: reports assignment of whale boats 1093 to: from Ports	611--2
41710 6/21	C&R	BOATS: 30-ft whale #1093: assigned to gen. issue.	611--2
		1912	
60724 2/8	C&R	BOATS: reports assignment of cutters 990 & 1154 to	611--1
64979 3/28	Norf.	BOATS: 40-ft sailing launch #1177 and 1178 for: estimate for installing elec. lighting equipment	611--2
65739 4/6	NYS	Training motors for Main turbines, drawings of Diehl & Cuttler Hammer to supercede those approved by Bureau.	121--9
65531 4/6	To Mun	ARKANSAS: turbine turning motors, factory inspn waived on starting appliances.	121--5
66720 4/19	C&R	BOATS: arr. made for shipment 50' cutter 990 from Norf. to NYS Co. for	611--1

NB—0120

Number.	Date.	From or To—	Subject.	
598340	12/2	Phone to Brook	Rel retubing of dynamo condenser Y	
600055	12/1 12/1	CO Atl.Fleet	Confirms telephone conversation rel to defective dynamo condenser tubes. Y	
		1922		
569692	12/13	N.Y.	Report on test of 24 tubes of dynamo condenser.	121-8
617056	3/19 4/5	CO Dept	Request standard ferrules for augmentor condensers be furn. Y	
624252	5/18	New York	Request prints of augmentor condensers be furnished D To NY Fwds Plans 5/24	

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N. Eng. 134

ARKANSAS CONDENSERS 1922

Number.	Date.	From or To—	Subject.	
638152	7/28 8/16	CO Atl.Batlshp Force	Request remove present ejectors on augmentor condensers and install latest type. Fwds CO- cc Combat D. for Atlantic 9/18	
640036	9/18	[illegible]		

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[OVER.]

ARKANSAS: CONDENSERS.

1912

Number.	Date.	From or To—		Subject.
63631	3-14	NYS	652-2263	Fwds print for steam baffle in augmentor condenser.N
66587	4/18	To NYS		Dynamo hotwell tank; request detail drawing.N
66768	4-19	NYS	934-2304	Hot well tanks for dynamo condenser;fwds b/p states print was approved by inspector without referebce to Bureau following a scheme that has been in force for a long time; approval detail plans that agree with specns without reference to Bureau.N. To---Hereafter, reqsts list of plans appd by Inspr.be included in monthly report progress.5/6.
68635	5/10	NYS		Comments on work reported as unsatisfactory on Utah, in connection with condensers, etc 121--8

1913

94269	4-3	CO		Recommends that vacuum augmentor be installed ondynamo condenser. D To NY.Rec include in estimates.4/9.

1914

127130	6/10	NY		Dynamo condensers; cost of installation.N

N.S.E. Form 134.

121;-12:ARKANSAS: CONDENSERS: ~~1912~~ 1919

Number.	Date.	From or To—	Subject.	
449869	10;3	JAG	Report of Bd of Investigation to inquire into present condition of condensers and boilers. Y	121-8
457732	11/7	P Snd	Recommends all tubes of port condenser and lower section of starboard condenser be removed - Y To Comdt Pug Sd- (T)-Work proposed condensers authorized, copy by mail for CO. 11-15 Puget Sound 12-10 (T) Asks if can make delvy of condenser tubes. To (T)- 10th telegram appvd. Yard should cut longest tubes available in order to salvage short lengths suitable for use in coolers auxiliaries augmenters. 12-11	
529301	10;18	CO	Main condensers-water chest-request alterns describes new method of testing-D cross to condensers. Fwd Operns 11-17 ~~RS 11/22 D~~ To CO Gives action taken cc C-I-C Pac Fllet- ~~Dat~~ force Aac Fleet 11-24	
529998	11;18	Pug Sd T	Request authority to use tube sheet from stock for augmentor condenser. Y To Pug Snd (T) tube sheets shipped express from Naval Supply Depot 11-19 To S&A. Reqst sipmt of tube sheet from NY to Pug Snd 5250 11-19 RB-12;9-Y	
569692	8;15	Pug Sd	1921 ~~Fwds sample of boiler tubes.~~ ~~To CO Gives Ac~~	121-8

NB—0120

[OVER.]

121--12

ARKANSAS -- CONDENSERS: Main, aux. & dynamo.

FILE No.	From or To— (Dated)	Subject.	
28955 1/11	Crown Smelting Co.	& UTAH: condenser material: requests excess of iron in composition castings be walved	455--12
32780 3/2	TO NYS	Main condensers; reqt. submit plan for testing. N	
33942 3/15	NYS 610	Fwds tracing of augmenter, condenser, vacuum augmenter, etc. N To -- apprd as mod. 3/23.	
35054 3/30	NYS 717	Rel test of main condensers after installation: outlines method. N To -- Rel to method 4/5.	
46459 8/16	NYS 1693	Lagging on; contractors reqt. omission of. N To---Appd. 8/18. To GenI Inspr for dec. cost. 8/18.	
48520 9/12	NYS 1866	Vacuum augmentor condenser; fwds tracing with comments. N To -- Appd. 9/18	
49826 9/29	NYS 2013	Submits changes in weight covering lagging on main condensers. N Fwd C&R-9/30.	
50108 10/3	Bd. on Changes, NYS 2063	Omission of lagging on; dec. cost. N To NYS - fwds. 10/4	

1912

NB—0120

121-13

ARKANSAS HEAT VENT REFRIG SYSTEMS 1922 5

Number.	Date.	From or To—	Subject.	
655030	12/27	NY	Less controllers and spare parts for refrigerating machry shipped to Cutler Hammer Co for rewinding. L	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
615755	3/3 3/25	CO Atl.Fleet	Request rebore compressor cylinders of ice machines. D Fwds Operns cc CO C-I-C Atlantic-Div 5 4/6 RB 4/11 Y RB 4/25 Y To USS ARKANSAS- Directs Bu issue neccy instrns in premises 4/15 Yd cc Atl Flt. Comdt. Department 5/13- Copy of action to New York. Y	
638150	7/28 8/15	CO Battleshp Force	Request replace Allen ice machine with carbon dioxide machine. D. To USS ARKANSAS- Will withhold action sub to alteration 9/8 Yd D cc Atl Div 5. Atl Fleet 11/27 Recommends Allen Refrigerating Machinery be replaced by carbon dioxide D To CO- via C-I-C Atl. Fleet 12/7	
USS ARKANSAS	Req-32-B-23 11/16	To Boton via S&A	- compressor cylinder casting-shipment of parts cc CO- NY R	
653538	12/15	To Operns	ARKANSAS Instln of new ice machines Dc	700-1

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N. Eng. 134

ARKANSAS HEAT VENT REFRIG SYSTEMS 1922

Number.	Date.	From or To—	Subject.
652872	12/15	NY	Replacement of Allen dense air ice machine by carbon diodice ice machine. Confirm telephone conversation rel to D
653540	12/16	To Brunswick-Krosehell	Co authd to proceed with conversion of refrigerating equipment Db Brunswick Kroeschell Co.- Subm list of work to be done with quotations. 12/19 D
653555	12/15	To S&A 1738	Reqst shipment of equipment from NY to Elec Dynamic Co Db To NY- authd 12/23 Electro Dynamic Co 2/16 Spare parts ready for shipment Feb 20 Y
654339	12/20	NY	Lists motors and spares of refrigerating machry intended in instln of ARKANSAS and shipped to Electro Dynam. Co be rewinded D

4—3381

[OVER.]

ARKANSAS: HEAT: VENT: REFRIG: SYSTEMS. 1913

Number.	Date.	From or To—		Subject.	
89071	1/20 1/31	CO C&R		States leak previously reported in magazine refrigerating system has been remedied; not necessary for experts to come.N	
91229	2/24	CO		Report on magazine refrigeration tests.D	
92769	3-14	NY	370-835-13	Ventilation dynamo room; incidental SE wk.Y	
93073	3/22	To NY	Joint	& WYOMING: Report of magazine refrigeration tests. In general satisfactory on ARKANSAS: but unsatisfactory on WYOMING. Requests investigate concerning WYOMING and that contractors be invited to be present.	
			1914		
116001	1/24	C&R		Operating rooms, combined heating and ventilating, to be fitted	131--13
			1917		
211955	1-17	Norf		Elec heaters in radio room; est.L To--Appvs est. 2/1 Norf gives type of heater, also for UTAH and ARKANSAS 2/6	
~~274588~~	~~1-14~~	~~USS ARKANSAS~~		~~Fwds description elec heater developed by Engineer Officer for special purpose.L~~	662-1

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N.S.E. Form 134.

ARKANSAS: HEAT: VENT: REFRIG SYSTEMS 1920

Number.	Date.	From or To—	Subject.	
469620	1/15	C&R	Arrangement of battery charging room and ventilation- fwds prints. D	121-18
594333	11;4	S&A	Fwds survey No.6 from CO ARKANSAS covering provisions spoiled due to inadequate refrigerating apparatus-D&Y Fwd S&A 11/12 cross to 27 To CO via Atl Fleet Reqst present condition of refrigerating machinery 11/15	
		1921		
598680	11/30 12/2	CO Atl·Fleet	Request auth to install Huhn metallic packing in ice machines and pumps for test- fwds correspondence rel to· DR.	
599859	9;30 12;9	CO S&A 27	Survey No.6 provisions.Y Fwd S&A 12/14	
600053	11/30 12/10	CO Atl·Fleet	Subm report on condition of refrigerating machry. Y	

NB—0120

[OVER.]

1912

ARKANSAS:HEAT:VENT:REFRIG: SYSTEMS.

Number.	Date.	From or To—		Subject.	
58867	1/17	NYS	137-2293	Recommends fitting larger ice box. Y To---Approves installation of addtl box.1/23.	
59880	1/29	NYS	232-2293	Additional ice making box; reqt. that installation be made after delivery of ship.N To---appd.2/10.	
61080	2-12	NYS	176-274	Elec heaters for torp. rooms; fwds b/p.N To---appd.2/17.	
62114	2-26	NYS	228-264	Elec heaters; reports receipt without factory inspection. L-S To---Bu approves test of.3/6.	
63438	3-12	NYS	632-2293	Install additional ice making box;inc.cost.N Fwd Dept.Reqst appr.3/13. RB 3-16 a'ppd To---appd.-- To Gen/Inspr for inc cost.3/16. Fwd C&R.3/16.	
65254	4-2	Bd On Changes, NYS	786-2293	Additional ice making box; inc.cost.N Fwd Dept. rec appd.4/3. RB 4-6 a'ppd To NYS appd.4/8.	
73634	7/16	C&R	25327-E.94	Evaporator room ventilators; calls attention to exhaust trunks.N Ret.C&R calling attention to 22365-DD 7/30	

N.S.E. Form 134.

ARKANSAS 121-13 NYS

Number.	Date.	From or To—	Subject.	
75263	8/7	NYS	Tests of ventilation of storerooms where rheostats are located.	121--5
77704	9/9	NYS	UNfinished work, means to be provided for removal of cooling coils of ice machine,	121--2
80637	10/21	C&R	Searchlight rheostat room, require no additional ventilation.	121--5
80978	10-26	TO CO	Magazine refrigeration; amidships between engine and fire rooms; asks report on. D	182-13
83374	11-22	NYS 2367-2278	Change in steam heating piping; Capt. of the Fleet office.N To---appd.11/23. To Gen Inspr for inc cost.11/23.	
85555	12-18	Bd on Changes, NYS	Heating system; Capt. office;inc.cost. N To NYS. appd.12/20.	
85870	12-24	NYS	Steam connection to heating sys/ change in weight. N Fwd C&R.12/27.	
87929	1-7 1-18	CO C&R	1913 Reports leak between No.1 and 2 ice machines.Y Fwd NYS for consideration of contrs.1/23. RB 1-31 Ret CO.for comment.1/31. RB 2-15	

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[OVER.]

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ARKANSAS -- HEATING, VENTILATING & REFRIGERATION SYSTEMS

FILE No.		From or To— (Dated)		Subject.
28084	12/31	NYS	3215	Re head room under stbd heater, frame 112 Ref C&R for comment 1/11. R.B. as encl. with 25959 1/25
30988	2/6	C&R	25327-E.68	Ventilating and heating systems 27 and 28; Fwds prints. N
33191	3/7	C&R	25327-E.72	Fwds prints showing gen. arr. of ventilation, heating, & refrigeration systems. N To -- Plan satisfactory 3/14.
33822	3/14	NYS	599	Heating system; fwds prints showing couplings for coils.N. To -- Use of compo. M instead of G apprd 3/18.
36989	4/22	C&R	25327-E.79	Ventilation in engine room: fwds plans.N Ret -- Satisfactory.5/4. To NYS. Plan satisfactory.5/4.
37056	4/25	C&R	25327-E.82	Engine room ventilation.N. Ret -- Calls attention to 36989,even date.5/4.
37310	4/27	NYS	934	Refrigeration system; arr. of; fwds revised plan for approval of piping.N To -- apprd 5/4/
51835	10/24	NYS	2279	Heating; fwds sketch and letter re proposed change in drain from heater box. N To---Appd.10/26.
57315	11/29	NYS	1479-264	Heating device shipped without inspection; reqt. inspection at works.S To---Factory insp.waived.1/2

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ARKANSAS PROPELLERS Dupliate 1919 5

Number.	Date.	From or To—	Subject.	
383349	1-8 2;7	To CO CO	Asks whereabouts of mterial, placed on board before left for distant service-	
995	2/13	To S&A	3 propeller shafts for PENNA FLA WYOMING &ARKANSAS ro NY Nay Yd.	629
500762	6;11	Pug Sd	Propeller report.Y	
		1921		
599725	12/7	N.Y.	Propeller report. Y	

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	

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[OVER.]

ARKANSAS: PROPELLERS.

Number.	Date.	From or To—	Subject.
321163	6-28	To C O	Listing spare propellers and shafting Y
321168	6-28	Phone Norf.	Commenting on spare propellers and shafting Y
321665	6-27	Norf	Spare propellers and shafting being placed on board. Y
322719	6-1	Norf	Confirms telephone conversation in connection with placing propellers, shaftings and couplings on board for spares - Bureau has no objections. Y
324113	7-9	To S&A	Rqst shipmt patterns from Inspr Bath to Phila Y ~~Shipment order 7/9 R B 9/13~~
325905	7/11	Norf	~~All spare propellers have been delivered~~ on board ship.

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ARKANSAS: PROPELLERS

Number.	Date.	From or To—	Subject.	
331829	7-25	To Inspr Bath, Via S&A	Rqst shipmt of propeller patterns Y	
349643	9-7	To Phila	Have requested shipment of propeller patterns to Phila	
349643	9-12	Phila	Material received - Y	
385349	1/8	To CO	Asks re whereabouts of material for-	
349613	8/17	To Comdt Phila	Rqsts report of propeller patterns Ym RB-10;1-Y	

4—3381

[OVER.]

ARKANSAS: PROPELLERS. 1917

Number.	Date.	From or To—	Subject.	
236654	7/3	To NN Co	Reqt ests cost and time furnished one right and one left hand propeller for. Fwds print. D NN Co (T) unable to machine propellers 7/6 NYS (T) submits estimate 7/7 To NYS--(T) Directs obtain from contrs cost and time machine propellers for. 7/6 NYS - quotes price 7/11 D NYS Co - quotes price 7/11 D NYS--10/26.D To Bath- 11-3 Bath - glands were shipped by express to NYS 11/5 D	
Bu 126	7/12	To S&A	Propeller castings for. Reqt NYS be made point of delivery of. DR	
238337	7/13	To Phila	Reqt blueprint showing detail of line shafting for. D To--Ditto for coupling for.7/18 Phila - fwds print 7/21 D Phila - 7/24 fwds prints D	
240179	7/24	Bath	Left hand propeller casting are complete - request shipping instructions Y To S&A--7/25	
Norf-286	5/10	To Camden	Asks status of work on propellers for USS ARKANSAS	629

N.S.E. Form 134.

ARKANSAS: PROPELLERS. 121 - 14

Number.	Date.	From or To—	Subject.	
247833	9/7	NYS	States wheels recd - contractors request delivery of caps, glands, etc D	
	To—(T) Gives status of shipts.9/12		To Bath—(T)Ask when shipt of materia will be made. 9/7 Bath (T) one sleeve and 2 gland castings shipped today 9/11	
248080	9/8	NYS T	States propeller casting plates warped - request instructions - D To- Propeller casting blades. 9-14	
92W	11-2	ARKANSAS	Propeller castings for ARKANSAS; fwds copies of shipping reports; originals were sent when shipments were made. S	629
250484	9/21	NYS T (*)	Certain caps and pieces not recd.Y To Bath- Propellercastings urgentlyneeded	9-22
259189	11/7	NYS	Spare propellers - fwds data used and calls attention to improvements - D & Y	
273034	1-12	Phone CO WYOMING	Spar propellers and shafting-Whereabouts. Y	
290625	3-13	To CO	Spaarepropellers and shafting/ Lists spares recommended to be carried on board if should be ordered to distant service.	

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[OVER.]

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ARKANSAS: PROPELLERS: SHAFTING:

Number.	Date.	From or To—		Subject.
✓ 63347	3-11	NYS	624-2275	Propeller blades; fwds print showing guttering near hub; contractors reqt. defect be waived.N To---Defects waived.3/13.
✓ 68712	5-13	NYS	1061-2275	Fwds tracing showing original propeller measurements.N-D
✓ 71217	6-13	NYS	1266-2275	Propellers; spares; asks if authority to make from same pattern as original. N To---appd.6/15.
✓ 76025	8/16	Bath	1251	Spare propeller casting. Fwds Hyde Windlass letter requesting waiver of deficiencies in elastic limit and tensile strength. Rec.disapproval.S To---No action until chemical analysis is received.8/20.
✓ 77533	9-5	Bath	1216	Magnesia bronze propeller castings; reqt. waiver deficiency. S. To--waives 9/9 Ack. waiver chemical comp. but invites attention to physical deficiences reported in same letter. 9-11 TO --directs each letter be self-contained. 9-13
✓ 82252	11-6	Bath		Propeller; material has passed all inspection requirements. S.

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N.S.E. Form 134

ARKANSAS 121--14

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Number.	Date.	From or To—	Subject.	
94433	4/8	NYS	ARKANSAS: unfinished work, shipment of spare propellers, etc	121--2
94617	4/10	NYS	Fwds shipment list covering shipment of propellers and	121--21
95484	4/21	NYS 934-2275	Spare propellers; fwds measurements.D	
			1917	
234787	6/21	To Phila T	Ask how soon can make one right hand and one left hand propeller for. D	
234894	6/22	To NYS	Reqt Vandyke showing details of line shafting for. D NYS - reports tracings on file at contractors not correct - recommends blue prints be secured from Navy Yds listed D 6/25	
235145	6/23	Phone Phila	Yards asked if new propellers for should be manufd at Phila. Bu stated would advise later.Y Phila - confirms telephone conversation - also Kitteny ammonia ice machines 6/23 Y	
235518	6/26	To Hyde Windalss Co T	Reqt quotation on furnishing one right hand and one left hand propeller casting, including caps, etc. D	
235519	6/26	To NYS Co T	Reqt quotation on furnishing propeller patterns for. D To--(T)Want patterns entire propellers. 6/27 Norf (T) asks facilities 6/28 B ost - confirms telephone talk 6/27 Y	

To Norf--(T)Ask if yard can machine two propellers.6/27

NYS - Co - (T) quotes price 6/29 D

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ARKANSAS: PROPELLERS: & SHAFTING:

FILE No.		From or To— (Dated)		Subject.
N30032	1/26	NYS	178	Torsion meters; asks if one purchased for UTAH will be removed after trial and used on 1st named vessel. To Dept.Reqst auth.to purchase 4. 2/24. R.B. Appd.3/1. To -- 4 apprd; Bu.desires domestic design 3/1.
45782	8/8	NYS		Spare propeller wheels; expect to ship on 12th; (Probably refers to UTAH.)
45740	8/7 8/8	Brook NYS	6540 937-3313 VO D	Type controller panels for gun firing turrt VOID
48310	9/9	NYS	1847	Torsion meters; asks if those manufactured by Cummings Mch.Wks. will be satisfactory. N To - satisfactory 9/11
48897	9/18	NYS	1904	Propeller; fwds tracing covering change proposed by installing lifting bolt. N TO -- appd.9/21
52825	11/6	NYS	2409	Reqt. to be advised if Cummings speed and direction indicator is to be installed at increased cost. N To--Submit est. inc.cost for installation of Gary-Cummings averaging counters.12/16.
55846	12/12	To Bath		Waives deficiencies in elongation and elastic limit, and auth. acceptance if they meet requirements of specfns. in all other respects. S-N Directs such matters be made subject of special letter instead of a notation on test sheet.

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ARKANSAS: PIPING SYTEM

Number.	Date.	From or To—	Subject.	
415142	4-25	CO	Req.auth. to substitute original installation of turbine gland steam lines for present lines D (cross to 9) To- Reqts to change turbine gland steam lines disappvd. 5-7	
422415	5-7 5-31	CO Bat Ship Force #2	Req. install ind. suction from double bottom manifold in #2 fire room to aux. feed pumps Y o I.N. Nor I- Installation of independent suction from double bottom manifold appvd.6-9 copy to SO on Bat. Div. 6 and Bat.Force 2	
		1922		
615759	3/4 3/25	CO Atl .Fleet	Request install HT drains to all boiler cut out valves. D Fwds Operns cc CO-C-I-C Atlantic 4/6 RB 4/11 Y To CO- Gives Action taken cc C-I-C Comdr Battleship Force Atlantic Fleet 4/15	
624546	5/29	Norfolk	Installation of independent suction from out board main feed pumps to feed tanks for ARKANSAS Fwds print D	634

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

ARKANSAS: PIPING SYSTEM. 1912

Number.	Date.	From or To—		Subject.
83372	11-22	NYS	2366-2267	Steam piping; inc.cost. N To---appd.--To Gen Inspr for inc cost.11/23
83378	11-22	NYS	2364-2290	Omission of grease extractors from air pump discharge pipe. Dec.cost.N Fwd Dept. Reqst appr.11/25. RB11 20 a'ppd To---appd.--To Gen Inspr.11/29.
85297	12-17	NYS	2560-2267	Copper exhaust piping; replacement of; contractors claim must have been subjected to abnormal pressure and refuse to be held chargeable for cost of repairs.N
85519	12-18	NYS	2575-2309	Omission of aluminum paint on lagging; dec. cost. N
85551	12-18	Bd on Changes,NYS		Omission of grease extractors; dec.cost.N Fwd Dept rec appr.12/20. RB1 2 a'ppd To NYS appd.1/2. Change in weights 1-6 Fwd C&R.1/8.
85556	12-18		ditto	Officers bath room; change steam connection; inc.cost.N To NYS. Appd.12/20.
85562	12-18		ditto	Omission of aluminum paint on lagging; dec.cost.N To NYS. appd.12/20.
85866	12-24	NYS		Omission of aluminum paint; change in weight.N Fwd C&R.12/27.
85869	12-24	NYS		Steam connection to bath room;change in weight.N Fwd C&R.12/27.

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ARKANSAS: PIPING SYSTEM. 121---15

Number.	Date.	From or To—		Subject.	
91370	2/25 2/28	NY C&R		& WYOMING: arrangement of piping in engine rooms; Constructor requests plans.D To NY.Fwds prints.3/5. Ret C&R.3/5.	
104343	8-22	CO		Bottom blow piping to evaporators; reqt. be changed from 1-1/2 to 3". Y Fwd NY- for comment & recom 9/5 RB 9-26 To-NY- appd 9/29	
			1914		
117094	2-3	NY	370-593-6	Drain lines from dynamo feed tank to feed pump; inc. estimate. Y To ---appd.2/9.	
124884	5/11	NY		Fwds finished plans of alterations and additions to machinery and piping	121-8
			1917		
212564	1/25	To Norf	T	Yard auth cross connect auxiliary exhaust and gland steam line on. D	
253732	9/24	CO		Alterations, install independent suction line from feed pumps No. 1 & 2 to feed tank - Y To Norf and Divisions of fleet--Auth alterations.10/10	
268821	12/20	Norf		Installation of independent saction from from outboard main feed pumps to feed tanks-fwds prints.D	
268995	12-22	Phone NY		Exhaust tanks, alterations auth similar to auth for Utah. Y	

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[OVER.]

ARKANSAS: PIPING SYSTEMS.

Number.	Date.	From or To—		Subject.	
57501	1/2	NYS	2307	Lagging for steam pipes; reqt. immediate decision re thickness.N.	
60450	2-5	Bd.on Changes, NYS 282-2267		Change discharge pipe from dynamo hot well pump; dec.cost. N Fwd Dept. rec appr.2/6. R B 2-9 a'ppd To NYS appd.2/9.	
61079	2-12	NYS	367-2276	Contractors reqt. specns. covering lagging water piping be changed to provide for paper over hair felt instead of next to piping.N To---appd.2/14.	
61123	2-13	NYS	376-2309	Recommends omission of aluminum paint on galvanized iron lagging.N. To---Approved.2/15. To Gen.Inspr.for change in cost.2/15.	
63429	3-11	GE	14154	Unsatisfactory condition searchlights; GE taken up direct with NYS.L	121-5
63370	3-7 3-11	Dept. C&R	26834-E.271 25096-E	& WYOMING: authorized changes in drain system shaft alley and bilges; at on-creased cost.N To NYS.Reqst estimates for omission.3/18. Ret C&R. Noted.3/18.	
65099	3-30	NYS	754-2270	Omission independent bilge suction in engine room and shaft alley; est. and decreased weight. N To---To Gen Inspr.for dec.cost.4/1. Fwd Dept.Red appr.4/1. Fwd C&R.4/1. R B 4-4 a'ppd	

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ARKANSAS: PIPING SYSTEMS: 121-15

Number.	Date.	From or To—		Subject.	
65253	4-2	Bd. on Changes NYS		Ommission of independent bilge suction in engine rooms and shaft alleys. Dec. cost. N Fwd Dept. rec appr.4/3. RB 4-6 appd To NYS appd.4/8.	
66133	4-11	NYS	869-2267	Omission main separator :dec.cost and weight.N Fwd Dept. reqst appr.4/17. RB 4-19 To---appd.4/20. To Gen Inspr for dec cost.--- Fwd C&R.4/20.	
66135	4-11	NYS	870-2267	Omission grease extractors in feed pipe; contractors reqt. that no decreased cost be made.N To---reqst est.of dec cost.4/23.	
70078	5-29	C&R	25125-E.40	Drains from scuttle butts to feed tanks; relative to running of pipes.N Ret---concurs in rec that be deferred.6/3.	
72920	7-8	NYS	1400-1014	Lytton steam traps; reqt. b/p. N To---Fwds prints.7/17.	
79189	10-1	Bd.on Changes, NYS		Omission of main steam separators;dec.cost.N Fwd Dept recom. 10-2 RB 10 4 appd To NYS fwds. copy 10/4	
79404	103	NYS	1947-2290	Omission of grease extractors; dec.cost. N To - will not be decreased cost 10/4	
82833	11-13 11-15	CO NY	370-735	Repair to copper piping. Y Fwd NYS. reqst statement from contrs re their responsibility.11/20. RB 12-3 To S&A.Reqst shipment of section.12/3. RB 12-22 Ret NY.Instructions.12/3. RB 12-16 To NY.Job Order 3p12/320 chargeable to SM. 12/17.To NYS Repair of exh.pipe not chargeable to contrs.12/17. Fwd S&A.Reqst shipping instrns be cancelled.12/26.	

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[OVER.]

ARKANSAS: PIPING SYSTEMS:

Number.	Date.	From or To—	Subject.
39198	5/19	NYS 1101	Arr. of drains in engine and fire rooms.Y To -- Apprd 5/23.
40274	6/2	NYS 1209	Change in main feed piping; recommends relocation of owing to obstructing cleaning doors. LN To -- Instructions.6/5.
46856	8/21	NYS 1721	Submits estimated increased cost, re arrangement of main steam piping caused by access passages between engine and boiler rooms.N Fwd Dept.Rec.appr.8/22. B 8-28 appd To---appd.- To Genl Inspr for inc cost. 8/29.
48298	9/8 9/9	Penn Steel Co Chester 184-1	Tee castings; recommends wiaving of defects.S Fwd. NYS waived 9/11 B 9-22
48424	9/11	NYS 1861	Fwds increased weights for main steam piping in access passage. N Fwd C&R 9/12
48698	9/14	TO NYS	Relative to changing exhaust piping, dynamo auxiliaries.N
49647	9/26	NYS 1981	Submits change in increased cost and print covering changes steam & dynamo auxiliaries. N exhaust of/_ TO Genl.Inspr. change in cost.9/28 TO -- appd.9/28 Fwd C&R 9/28
50109	10/3	Bd.on Changes. NYS 2061	Fit exhaust piping from auxiliaries in dynamo room; inc. cost. N To NYS - fwds. 10/4

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ARKANSAS: PIPING SYSTEM: 121-15

Number.	Date.	From or To—	Subject.
50111	10/3	Bd. on Changes, NYS 2059	Alterations in main steam piping; access passage; between engine room; inc. ocst. N Ref. Solicitor recomds. 10/4 ~~RB 10 7~~ a'ppd To NYS. Appd. 10/7.
53017	11/8	NYS 2439	Main steam pipes; reqt. permission to proceed with clothing and lagging prior to test of with steam. N To---Appd. 11/11.
53358	11/11	NYS 1 2470	Exhaust piping from auxiliaries in dynamo rooms; asks if Bureau desires to retain branch to dynamo condenser. N To---Requirements. 11/20.
53795	11/16	NYS 2506	Estimated decreased for running pump discharge to forward auxiliary feed suction instead of feed and filter tank. N To---appd.--To Genl Inspr. for dec cost. 11/18. Fwd C&R. 11/18.
54722	11/28	NYS 2633	Joints in exhaust and feed lines; contrs request authority to use "Tauril" in lieu of corrugated copper gaskets. N To--Appd. 12/11.
55567	12/8	NYS 2748	Auxy exhaust connections to L.P. turbines; permission requested to lead to L.P. receiver pipe. N To--Directs appd connections to M.H.P. turbines be retained. 12/15.
56888	12/23	NYS 2888	Magnezie lagging for steam pipes; contractors request to be allowed to use different thicknesses than specified. N To---Appd. 1/3.

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ARKANSAS: PIPING SYSTEMS:

FILE No.		From or To— (Dated)		Subject.	
30999	2/6	NYS	262	Arr. water piping in fire rooms.N To -- Apprd; Est.dec cost to be submitted	2/15.
31183	2/8	NYS	281	Lap welded steel tubing for light pressure piping; subcontractors refuse to furnish material under S.E. specns. but will under specns. issued by S&A; fwds copy and reqt. instrusn. N To -- Satis.under spcfns 44-T-4.	2/10.
33198	3/6	NYS	480	Fwds tracing showing arr. of water pipes in engine room. N To -- Apprd as mod.	3/23.
34404	3/21	NYS	661	Piping; bulkhead insulators for; fwds tracing showing arr. N To -- Apprd as mod.	3/28.
34548	3/23	NYS	666	Aux. steam and exhuast piping in firerooms; fwds tracing with comments. N To -- Apprd as mod.	3/29.
34722	3/25	NYS	671	Arrangement of aux. steam and exhaust piping in engine room; forwards tracings. N To -- Apprd as mod.	3/31.
35406	3/4	NYS	747	Steam & exhaust pipes to coaling winch engines. Fwds tracing. N To -- apprd	4/8.
37106	4/25	Chester	1786-2	Sheet copper for water piping in engine rooms; recommends against inspection at place of manufacture on account of small quantity. S Ret -- Mill insp waived.	4/27.

NB—0120

ARKANSAS: FUEL OIL SYSTEM 1918

Number.	Date.	From or To—	Subject.	
380843	12-5 12-26	CO At. Fleet	Req. modify present fuel oil burning system so as to premit developing full boiler capacity on fuel oil alone D To ARK via Battleship Divn 9, and US Atl Fleet ~~Disapproves of alteration re above 1/2/19~~	
445437	9-15	ToCDT Phila	Info req meaning of work "complete" inspecfns for mfg of twenty four oil burners for ARKANSAS C	653 -1
497290	6-3	To CO via Union	installation of heating coils appvd CO Pacific Comdr B.S. div. six WYOMING. D.	
		1922		
624850	5/11 5/22	New York Dept	Recommend additional air compressors be installed for fuel oil burning in galleys. Submits estimates D Fwds Operns cc C&R 5/26 C&R 6/8 Fwds corres D Fwds C&R 6/14 To NY- instln authd cc C&R--- CO 6/14	
651714	11/17 11/28	CO Atl Fleet	Ask if oil burning foundrys of present boilers should be permanently removed D	

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ARKANSAS FUEL OIL SYSTEM

Number.	Date.	From or To—	Subject.	
653472	12/12	MEMO- to C&R	Inform for preparing joint memo of the two bureaus for the general board for conversion of coal burning battleships to oil burning- gives estimate ARKANSAS) WYOMING UTAH AND FLORIDA- 16	
653822	12/16	To C&R MEMO	Inform on cost to complete modernization of ARKANSAS WYOMING FLORIDA UTAH TEXAS and NewYORK for use in preparing joint eng and C&R Memo for gen board Db	767

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ARKANSAS: FUEL OIL SYSTEM. 1912

Number.	Date.	From or To—	Subject.	
79188	10-1	Bd on Changes, NYS	Improved S-K oil fuel system; inc. cost. N Fwd Dept recom. 10-2. RB1 3 a'ppd To NYS fwds copy 10/5	
83005	11/18	Phila	& SONOMA: have received no instructions re making reqn for fuel oil left on board.	451--16
83403	11/9	NYS Co.	Enters protest against method of figuring changes incost. Based on award for change in oil burners Dept. sustain SE's method 3/17	630--1
83524	11-25	NYS 2391-2268	Estimated Dec. cost for omission of settling tanks in fuel oil pressure pumps; pumps to become property of Govn. N To---and S&A. Reqst shipment of fuel oil pumps to Phila. 11/29.	
83679	11/29	To C.O.	Bottle broken in transit, reqt additional	690--4
85298	12-17	NYS	Re shipment of spare parts for valves, pumps, etc. for. N To---instructions. 12/19.	
85559	12/18	Bd on Changes, Cramps	Change in fuel oil supply system; dec cost. N Fwd Dept rec appr. 12/20. RB1 3 a'ppd To NYS. appd. 1/3. Change in weights 1-6 Fwd C&R. 1/8.	

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ARKANSAS: FUEL OIL SYSTEM. 121-16

Number.	Date.	From or To—		Subject.	
86252	12-30	NYS	2710-268	Reports shipment of spares for pumps,etc.N	
				1913	
94275	4-5	NYS	770-2268	Change in fuel oil burners; fwds contractors protest against ruling of Board on Changes.N Fwd.Dept.4/19	
94850	4/11	NY		Estimates on recommendations of trial Board, (re-arrangment of fuel oil service & supply system,etc)	121--2
83403	5-15	Solicitor		Copy of letter to NYS disapproving protest against award for changes on fuel oil burners.N	620-1
112110	12-3	CO		Reports on fuel oil loaded Dec 2 and 3.F	
284607	2/8	CO		Fwds description of method for burning oil alone in coal burning boilers - scheme devised by Lt Com E. E. Wilson - fwds photographs of experimental burners - C (Cross to Fuel Oil Systems)	
330400	7-27	To Norf		Rqst advice re disposition and location of fuel oil heaters for, R To Norf 7-27 RB 8-10 R	

NB—0120

[OVER.]

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ARKANSAs; FUEL OIL SYSTEM:

Number.	Date.	From or To—		Subject.
50110	1o.3	Bd.on Changes. NYS	2060.	Improve S-K oil fuel system; inc.cost.N. Ref. Solicitor recomds. 10/4 RB 10-7 a'ppd To NYS appd.10/7.
50620	10/9	C&R	26127-E.8	Fuel oil system; fwds prints showing tanks, etc. Understands automatic valves to be omited.N Ref---Not desired to fit as settling tanks. 10/14.
50676	10/9	NYS	2155	Fwds prints showing arrangement. N To---Appd as mod.10/14.
50799	10/10	NYS	2160	Fwds tracing showing arr. and details of boiler front fittings. N To---Appd as mod.10/16.
50968	10/12	NYS	2183	Fuel oil air registers with burner for; fwds print.N To---Appd as mod.10/19.
51950	10/26	C&R		Fwds print showing modification in lead of filling pipe.N
54002	11/18	NYS	2531	Arr. boiler front and details of piping; fwds prints.N. To--Appd. as mod.12/5.
54607	11/24	NYS	2612	Fuel oil service discharge pipe, relief valve; fwds print.N To--Appd.12/7.

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N.S.E. Form 134.

ARKANSAS: FUEL OIL SYSTEM. 121-16

Number.	Date.	From or To—		Subject.	
58171	1/9	NYS	72-2268	Arr. detail and fittings boilers for.N To---Appd as mod.1/12.	
59028	1/16	NYS	50-2268	Fwds detail and fittings boilers front of burners.N b/p To---appd.1/22.	
59540	1/24	NYS	187-2268	Burners; fwds tracing showing gen. arr. apparatus, boiler fronts. N To---appd.1/30.	
59971	1/30	NYS	237-2313	Installation of Schutte & Koerting system is delaying dock trial and will probably become a matter for req'. for extension of contract time. N	
61947	2/23	NYS		Fwds instructions for final trial: comments on measuring fuel oil	121--2
67754	5-2	NYS	989-2268	Fwds contractors letter claiming amount $3405 for alterations.N Fwd Dept.with statement.7/18. RB 7-24 Appd NYS 7/26.States have received pyament for.N RB 10-8 Fwd Gen. Inspr.via NYS for reconsideration 7/25 To NYS instructions 7/29	
69466	5-21	NYS	1109-2322	Fuel oil to be used on trials; seems unusually thin; sends sample for for Bu. examination.N To Washn.for analysis.5/25. Washn reports. 6-3 To---Fwds report of test,with comments.6/6. To Bd I&S fwds report of analysis.6/6.	
71029	6-12	NYS	1237-2322	Fuel oil usedon trial; fwds report from Phila yard on sample.N	

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ARKANSAS: FUEL OIL SYSTEM.

FILE No.		From or To— (Dated)		Subject.	
34371	3/22	NYS	664	Reqt. return of tracing fwded 18th; owing to changes being made. N To -- Tracing returned.3/25. Reqt return of tracing.3/25. N	
35082	3/30	NYS	718	Proposed fuel oil service: fwds tracings. N To -- Not apprd 4/4.	
36457	4/17	C&R	25127-E.6	Fwds correspondence and print; invites attention to lead of pipes out of tanks. N Ret -- No action taken.4/24.	
42523	6/29	NYS	814-1118	Oil filters: re inspection of. N To --Directs insp. 7/3.	
44118	7/20	NYS	1490	Flat spray oil burner; estimated change in cost.N To -- Reqst est.for fitting Peabody system. 7/24. To---Bu will consider any proposal for installation of system.8/3.	
45014	7/31	Schutte-Koerting Co		& WYOMING: reqt contrs. be directed to bid on the S&K system for oil burning as well as the Babcock & Peabody systems	488--15
45190	8/2	NYS	1586	Installation of flat spray oil burners; reqt copy of report on Peabody System.N	
46327	8/15	NYS	1669	Submits estimates for Peabody, Schutte Koerting systems.N Fwd Dept. Rec installation of S&K on ARK. and Peabody on WYOMING. 8/21. RB 8-24 a'pnd To--- Appd.8/25. To Genl Inspr.for inc cost. 8/25.	

NB—0120

ARKANSAS: COAL HANDDING & STOWAGE.

FILE No.		From or To— (Dated)		Subject.	
33431	3/9	NYS	537	Omission of coal trolleys and equipment in lower bunkers; est. dec. cost.N. To -- Apprd 3/11.	
51020	10/13	Genl.Inspr		Omission of coal buckets in connection with trolleys in lower bunkers; discrepancy in instructions re change in cost. N To---Letter 23737-N2, Nov.22,1910.canceled. 10/14. To NYS do. 10/14.	
				1912	
63831	3-15	NYS	(J)	Coal bunkers; reports of inspection of.N	
64418	3-21	NYS	)J)	Coal bunkers, lower; reports inspection.N	
69807	5-28	NYS	J	Inspection reserve coal bunkers. N	
81082	10/25	NYS		Omission of bagging coal on 24-hr.trial; dec cost.	121-2
84775	12-10 12-10	CO Atlantic Flt		Reqt. arrangements be made for re-coaling at Christobal or Kwy West. F Fwd Dept.12/13.	
				1913	
152624	4/16	Evening Bulletin		Reqt total amount of coal consumed per hour	131-17

Number.	Date.	From or To—		Subject.	
33496	11/7	Norf.		Lathes for ARKANSAS, FLORIDA, & PITTSBURGH, sent to ships direct on 7/13, R.	629
372436	11-27	To CO		8" precision lathe obtaned under contract, Y CO lathe rec'd. 12;24;18	
				1920	
469620	1;15	C&R	13	Arrangement of battery charging room ~~to~~ ventilation-fwds prints.D	
				1921	
571073	6/21	Pug.Sd.	Copy	Request repairs to lathes on board. Y Pug Sd-T-reqt action-6:25-Y To Pug Snd (T) Instln approved 6/28 S&A- Ask if will approve request 7/1 Y Puget Sd- reqst auth for repairs Y 6/28 To Pug Snd reqst inform as to sizes used 7/8 Pug Sd- (T) Recommends lathe removed from ARKANSAS be issued to NEW MEXICO. 8/11 R Pug.Sd 8/8 R To Sound Ps (T) Assignment Arkansas lathes to New Mexico authorized 8/15	
571					
585628	9;14	CO		Reqt auth to turn in boring bar.Y To CO Authd 9/19	

4—3381

N.S.E. Form 134.

121-18:ARKANSAS: WORKSHOP AND TOOLS: 1922

Number.	Date.	From or To—	Subject.	
611122	2;27	To CO ARKANSAS	Acetylene and oxygen gas - ask quantity used on board.Ya CO ARKANSAS Report on pressures carried.	3/9 Y
615756	3/4 3/25	CO Atl.Fleet	Request provide shaper for machine shop. c D. To CO Disappvd cc C-F-C Atlantic-Div 5- Atl 6/24	
629554	6/20	CO	Additional tanks required for exygen and acetylene Y	
638149	7/28 8/14	CO Atl.Batlshp Force	Request supply one shaper for machine shop. D. To S&A- Reqst shipment of shaper from Brook to SO NY 1114 9/22 RB 10/4 Y	
USS ARKANSAS ENG 526-22- Y R-B 12/20 To CO			"1 cutter and Welder outfit actylene-	Rqm

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ARKANSAS: WORKSHOP & TOOLS.

Number.	Date.	From or To—		Subject.	
38586	5/12	NYS	1059	Hydraulic bolt forcer; fwds prints.N To -- apprd 5/15.	
42235	6/26	Brook	5492	Bolt forcers: reqt from contrs. to use their composition instead of composition To -- Reqst approved.6/28.	G. S
				1912	
61510	2-14 2-17	NYS Phila	384-2317	Reversible drill; reqt. specns. covering.N	
71193	6-14	NYS		Foundry; fwds copy of reqn. covering.N	
77892	9-11	TO Bu.S&A		Foundry equipment for; reqn. 35; if delivered at New York Yd. ship to Phila if will reach there before Oct.1st. R Fwd Phila 9-26 RB 10-4 RB 9-25	
79431	9-21 9-27	CO Phila	320-157	Recommends only one tank be installed for use foundry. D. To Phila appvd. 10-7	
				1913	
142250	12-14	NY		Recommends safety device over emery wheel.Y To CO Via NY--To be done by ships force.	12/17

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N.S.E. Form 134.

ARKANSAS: WORKSHOP & TOOLS. 121-18

1913

1916

1917

Number.	Date.	From or To—	Subject.	
185349	4-20	C&R	Tools for carpenter shop. DR To NY--SE work authorized. 4/24	
472-17	5/12	To CO	Disappvs reqn. Not sufficient infor.	
230327	5/22	CO	List of tools required Y	
233622	5/25 6/7	CO NY	Gives description of welding outfit called for on requisition 417 R	
33496	7/2	S&A	Rqst recommendation as to shipt of lathes for ARKANSAS & FLORIDA	629
284141	2-26	To Norf	Workshop equipment. List tools desired mfg'd. D	
34148	10/2	To Norfolk	Asks if shipt was not on item two and also if boring bar was for machine for ARKANSAS	629

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ARKANSAS PUMPS 1922

Number.	Date.	From or To—	Subject.	
645885	10/17	C&R	Material inspection report- wire leads for pumps. nY	
			To NY- Quotes from Report of estimate 8/24 1 10/26	

4—3381

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
N S Depot	NSA 206	1922 RH 10/8 To CO	Calling for spare parts for distiller circulating vertical Simplex Piston pump cc O-1-C Dupply Depot - S&A RH
		1922	
603354	12/22	CO	Request job order cov renewal of valve chest on evaporator feed pump be cancelled. Y
620439	5/27	To NY	Motor Driven feed pump for port use-Storage battery for aux power supply instln of gives action taken cc CO- C-1-C Atl Fleet- - Bu C&R DbL
FWD TO OTHER SIDE			To NY Fwds Prints cc CO 6/6 CO 6/6 N 6/16 Selects location for D To USS ARKANSAS- Disapproved 7/1 L cc NY N.Y.- After battery charging station- location of also wiring diagrams auxiliary motor driven feed pump- fwds prints 7/18 D To NY- Plan gives comments 8/5 Fwds C&R 8/5 RS 8/28 L C&R 8/26 Copy action to N.Y. L
627883	6/7	CO	Rqsts authority to turn in Blake pumps Y To CO- Brook (T) authd turn into store three pumps 6/15 Yd

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ARKANSAS PUMPS GEN 1922

Number.	Date.	From or To—	Subject.	
626702	7/18	N.Y.	General wiring diagram submersible pump system- fwds prints. L	121-5
620419	FWD FROM OTHER SIDE		To Comdt NY- Plan approved 9/1 L cc C&R ARKANSAS WYOMING. C&R 9/14 L N.Y. 9/14- General wiring diagrams ARKANSAS and WYOMING - fwds prints. L To NY plans approved 9/22 To NY- - Reqst's Plan 12/1	

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ARKANSAS: PUMPS: GENERAL

1915

Number.	Date.	From or To—	Subject.
167634	9-30	NY	Castings for main eng circ pump engine will be received in 2 weeks. Fwd NY Via S&A--Comments on. 10/7
168629	10-9 10-16	CO At Flt	Emergency repairs stbd main circ pump; special commendation Lt. E.E.Wilson.C Fwd Dept Via Nav--Recommendations. 10/23
170954	11-10	JAG	Report of Board of Investigation and Court of Inquiry on wrecking of main circ pump turbine casing; reqt comment on administration of engineer's Dept.C Fwd Dept--Comments on. 11/16 RB 12/8 Fwd Nav--12/9 RB 1/7 Fwd Dept-- Noted. 1/7
			1916
178413	2-3 2-5	Naval Institute Nav Intel	Emergency Repairs to BS by Lt. Willson; request authority to publish. (Fixing circ pump on ARZ.) Fwd Nav Mil-- No objection to. 2/9
			1917
234944	6/19	Norf	Main air pumps - request Van Dyke prints. D Fwds prints W
235742	6/27	Norf	Request prints of pumps D

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N.S.E. Form 134.

ARKANSAS: PUMPS: GENERAL.

Number.	Date.	From or To—	Subject.
282597	2-15	NY	New bucket material to repair Terry turbine of main circulating pump. D To- Auth purchase new wheel. 2-23
347190	9/12	To S&A	Reqst shipment from DELAWARE TO ARKANSAS submersible pump motor generator L 787-1
448405	9;30	To Terry Co	Request quotation and comments covering rotor of starboard main circulatingpump turbine be furnished to replace machinery badly corroded.D CO 9-30 (T) Rqst new rotor be supplied. To- Furnish estimate of cost of new rotor.9-30 To- Gives name plate data. 10-1 Terry Co-submits quotation-10;2
		To PAC FLT- Necessary work on installation to be preformed by ship's force. 10-4	
449417	9/25	CO	Reqst print showing main details of circulating pump engine - D 1920
470312	1;10	CO	Request manufacture air chambers for main feed pumps also fire and bilge pumps.D To- Directs make search for on board and if cannot locate mfg. is authorized.copy to PAC FLT. 1-23 CO - 2/6
474571	2;2	Pug Sd	Renewal of main feed pumps not necessary at this time.Y
483014	3/22	C&R	Location of submersible pumps, motor generators and auto starters on WYOMING, ARKANSAS & NEW YORK: fwds print; D L. 698

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ARKANSAS: PUMPS: GEERAL 1912

Number.	Date.	From or To—	Subject.	
78244	9-17	NYS 1823 -2320	Fwds plan turbine for circulating pump; contractors reqt. tracing from which print was made be accepted as finished tracing. N To - will not accept 9/23	
79415	10-3	CO	Reports trouble with oil pump losing suction.N To-recommends action be postponed until similar work on Florida as been tried 10/9	
79564	10-5	NYS 1975-2277	Reports on necessity for work on fuel oil pumps.N	
80157	10-12	NYS 2058-2277	Fuel oil pump; states arr. was a change from specns. ordered by Bu. only satisfactory solution installation of small pump in engine room for use in port; will install at increased cost. N	
80206	10-10	CO	Fuel oil pump; fwds reports on during run to NY. Reqt. arr. be made to alter on arrival at ship yard Oct.20th.N	
80553	10-18	Warren Steam PumpCo	Plans; reqt. return of tracing be expedited.N To -- fwds. 10-23 Returns tracings.11/8.	
80688	10-19	CO	Fwds second report on failure of fuel oil suction pumps. N	
83524	11/29	To NYS and S&A.	Request shipment of fuel oil pumps from NYS to Phila.yard.	121-16

1913

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N.S.E. Form 134.

ARKANSAS pumps, 121--19

1913

Number.	Date.	From or To—	Subject.	
86252	12/30/12	NYS	Reports shipment of spares for pumps, etc	121--16
		1914		
119269	3-4	NY 370-593-13	Fuel oil pumps; submits additional est. Y To---appd. 3/7.	
122088	4-7	CO	Air pumps; reports poor alignment of. Y	
124009	5/1	Blake & Knowles	Re defective pumps	698
130804	7/23	C&R	Pump foundations; air pumps; fwds corres and prints to show that foundations were not responsible for trouble on ARKANSAS	698
		1915		
166695	9/24	At Flt (R)	Starboard main circulating pump; turbine casing exploded; no injuries; proceeding Hampton Rds. under port pump. Y To--(R) Report material necessary for repairs. 9/25	
166770	9/25 9/26	CO (T) CO (T)	Further reports on damaged turbine casing of feed pump. Y Fwd Dept--Recommendations. 9/27 RB 10/4 To--(R) Instructions. 9/27	
SEE BELOW.		To S&A--Rect quotation for castings. 9/27 To S&A--Rept for shipment. 9/27	To NY--Have ordered material for repairs. 9/27	
166844	9/27	CO	Main circulating pump; accident to turbine casing; fwds advance copy of report of proceedings of Bd. of Investigation, C Retd-- 9/28 Fwd Dept--10/2 RB 10/7 CO damaged turbine shipped NY; unable to locate motor; East Coast Yards are using winch motor temporarily 10/1	
166770		SEE ABOVE.	Terry Co. 9/28-S&A. 9/30--Quotes price and time of delivery. Y	
	Fwd NY--10/2 RB 10/7 NY est 10-5 Fwd Dept--10/6 RB 10/9 To NY--Appvs est. 10.9		To Dept--Re shipment of. 10/1 RB 10/2 Fwd S&A-- 10/1 To NY--10/1	

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[OVER]

Number.	Date.	From or To—		Subject.
42060	6/22	NYS	1332	6-inch centrifugal pump: fwds prints. N To -- Apprd as mod.W/1.
43012	7/7	NYS	1407	Condenser circulating pumps; invites attention to prior approval of Pickering governor before informing company of Bureau's disapproval of July 1st. N To -- Desires that a more satisfactory form of governor be used.7/11.
43321	7/11	NYS	1423	Main circulating pumps; fwds letter from Company reqt. acceptance of white metal. N Fwd Brook. Acceptance auth. 7/14. EB 7-19
43886	7/18	NYS	1475	Aux. condenser circulating pumps; reqt. reconsideration of substituting of governor Judson type in lieu of Pickering.L To -- Approves Pickering in this case.7/22.
45847	8/9	Blake, Geo.F. Mfg.Co		Submits drawings for approval.N
52682	11/6	NYS	2405	Fwds prints of fuel oil pump. M To---Appd.11/16.
53318	11/9	NYS	2452	Installation of pump for pumping from double bottom feed tanks to main feed tanks; est.inc.cost.N Fwd C&R.11/13.
57022	12/26	NYS	2907	Requests tracings of centrifugal pump made on dull side of cloth be accepted.N To--Appd.12/28.

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N.S.E. Form 134.

ARKANSAS: PUMPS: GENERAL: 121-19

Number.	Date.	From or To—	Subject.	
60449	2-5	Bd.on Changes. NYS 281-2267	Installation of pump for pumping from reserve feed tanks to main feed tank; inc.cost.N To NYS appd.2/6.	
61124	2-13	NYS 370-226-6	Ash ejector pumps have been installed without relief valve; reqt. contractors be instructed to install at increased cost. N To---Valve not approved.2/15.	
61122	2-13	NYS 374-2281	Engine room fire and bilge pumps; relieve valve on discharge; as arranged discharge into bilge; recommends change. N To---Recommendation not approved.2/15.	
62311	2/28	NYS	Dock trial: air pump: show excessive vibration. have requested remedy.	121--2
63026	3/9	To NYS	Main air; approves substitution of steel studs for bronze in bonnets of water cyls.	121/2
75226	8/5	NYS 1600-2320	Fwds prints of main circ.pump.steam turbines. Invites attention to tracing having been made by duplicating process with lines on dull side of paper.N Te- will not accept drawings 8/13	
76827	8/28	Terry Steam Turb.Co.T	Turbine circulating pumps; asks if lithrographic tracings will be accepted.N To---Not acceptable.8/29. To---Requirements.9/6. Terry state will supply tracings. 9-9	

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ARKANSAS: PUMPS: GENERAL.

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FILE No.		From or To— (Dated)		Subject.	
35058	3/30	NYS	720	States present fuel oil system does away with 8 pumps, one of which could be used for feed water transfer work. N To -- Apprs installation of pump 4/1. To Gen.Inspr for inc.cost 4/1.	
35311	4/1	Harrisburg		Nuts for: Manf. at Newburg, N.Y.; on account of distance from Harrisburg, reqt instructions rel to inspection. S Ret -- Factory insp.waived 4/5. R.B.4/11	
35873	4/8	NYS	799	Governor gear, indicators, etc. Fwds b/p.N	121-9
35861	4/10	NYS	807	30" main circulating pumps; fwds prints.N To -- Apprd 4/15.	
35935	4/11	NYS		Aux. circulating pump engines: reqt. permission to change material for re-enforcing rings and special steel rotor castings. N To -- Reqst apprd.4/14.	
38808	5/15	NYS	1073	Ash ejector pumps; fwds prints.N To -- apprd 5/22.	
39579	5/23	NYS	1135	Main circulating; fwds prints showing details of Terry steam turbine for. N To - approved 5/27	

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ARKANSAS; PUMPS GENERAL;

FILE No.		From or To— (Dated)		Subject.	
28688	1/9	NYS	35	30" main circulating; fwds b/p showing modified details of TO-- apprd as modified 1/21.	
28877	1/11	NYS	66	30" main circulating; fwds prints showing details of terry steam turbine. TO -- apprd as modified 1/23. To -- 2 prints of Terry turbine fwd. Recd without letter of transmission.3/21.	
28878	1/11	NYS	50	Aux. condenser circulating. Fwds b/p To -- apprd as mod.1/31.	
29647	1/14 1/20	Warren Steam Pump Co Insp.Mass		Ash ejector pumps; contractors request physical test be waived; Inspr. recommends be insisted upon Fwd Mass via Cramps; requirements 1/24. R.B.1/26	
32194	2/21	NYS	406	Reqt. decision regarding 2% of lead in composition castings. S Ret -- 2% lead apprd 2/24.	
32468	2/24	Bath	299	Bronze shafting for circulating pump;recommends rejection. N To -- Appr rejection 3/2.	
32711	3/1	Brook	1943	Circulating pumps; contractors reqt. permission to cast test pieces separate from large casting; recommends disapproval. S Ret. disappvd. 1/3 R.B.3/6	
32844	2/28 3/2	Warren Steam PumpCo Mass		Pumps for ash ejectors; appeals against chemical inspection of castings. S Ref. Mass. via Hartford -- waive physical tests on small castings. 3/6 R.B.3/11	
33426	3/9	NYS	532	Substitution of independent aux. air & cir. pump for combined type; inc. cost.N. To -- Apprd 3/11. Fwd Dept.rec appr.6/13.	RB 6-17 a'ppd

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ARKANSAS VALVES GENERAL 1922

Number.	Date.	From or To—	Subject.
622941	4;24 5/11	CO Dept	Request over haul and properly adjust safety valves and boiler stop valves.Y
628258	6/17	Phone to Atlantic	Foster reducing valve for steering engine- appvd survey is authd cc CO Yd

Number.	Date.	From or To—	Subject.	

N.S.E. Form 134.

121-20 ARKANSAS: VALVES: GENERAL 1913

Number.	Date.	From or To—	Subject.
365907	11-6	To Norfolk 121-6	Reqts drawings of Break Keys W
413708	4-26	To CO	Gate valve for- Discrepancies in dimensions of valves reqted and those on plans. Reqts detail information before contract for is awarded. Dc CO demensions of valves information with demensions on plans 4;30 D
		1921	
601938	12/23	C O	Request 32 rubber valve discs for evaporator feed pumps be furn D.
	1922		
615997	3/23	CO	Request name plate data on grinding of safty valves on main boilers be furnished Y X to Valves Safty To TENNESSEE-Rqsts detld report of grinding 4/3 Yd cc CO ARKANSAS, C-I-C- Atl Flt. C-I-C Pac Fleet. To ARKANSAS- Rqsts report 4/3 Yc cc Atl Flt. CO TENNESSEE 4/18 Gives description of method of grinding in of boiler safty valves Y

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ARKANSAS: VALVES: GENERAL.

1912

Number.	Date.	From or To—	Subject.	
85553	12-18	Bd on Changes, NYS	Main steam stop valve; change in operating gear. Inc. cost.N To NYS. appd.12/20.	
			1913	
95298	4/17	NYS	Gate valves, fwds tracings of as called for by trial Board's report	121--2
95801	4/24	NYS	Lytton traps; fwds contractor's order covering.N (T)to---order appd.4/26.	
96701	5/7	NYS	Lytton traps;3/4" already delivered. Object# to furnishing larger.D To---satisfactory.5/13.	
141307	11-14	CO	Reach rods for exhaust valves	~~XXXXXX~~ 121-8
Ship Reqn 90 1-5 NY Reqn 1213		To CO	Valves, pump, hard fibre, action withheld; reqt further information on. R	
			1915	
144307	1/11	ARKANSAS	Fwds samples of Peck pump valves, hard fibre which have been distorted while in store	724
291738	3-26	To C&R	Air Reducer Magneto. Reqted be replaced by a mechanical reducer. of a standard type, L	

ARKANSAS: VALVES: GENERAL:

Number.	Date.	From or To—		Subject.	
37938	5/4	NYS	983	Relief valves; fwds prints of those proposed for distiller circulating pump.N To -- apprd 5/9.	
44822	7/27	NYS	1551	Main injection and main drain valves; forwards tracing of locking device.N To---Appd.8/5.	
49862	9/30	TO NYS		Directs estimate be submitted for fitting gate valves on main feed discharge pipe in aftr fire room. N	
50639	10/7	NYS	2117	Installation of gate valves at main feed discharge in after fire room; submits est. inc.cost and weight. N To---Appd.--To Genl Inspr.for inc cost.-- Fwd C&R. 10/11.	
50620	10/9	C&R		Fuel oil system - understand automatic valves to be omitted	121-16
54909	11/29	NYS	2651	Boiler stop and main steam stop valves in fire room; operating gear for; fwds modified tracing.N To--Appd. with mods.12/11.	
56517	12/19	NYS	2844	Operating gear for boiler stop and main steam stop valves in fireroom; asks if Bureau will consider shifting location so valve stems will be in a horizontal position.N To--Appd if no change in cost (inc.).12/22.	
84643	12/7	NY		Gives actual cost for fitting extension rods to valves, etc.	121 -2

N.S.E. Form 134.

ARKANSAS: VALVES: GENERAL. 121--20

Number.	Date.	From or To—		Subject.	
57023	12/26	NYS	2901	Main stop valve; re changing angular position of.N To---Change appd; reqt est of inc.cost.1/4. 1912	
59357	1/22	NYS	172-2281	Boiler main steam stop valves in fire room; position and deck operating gear for; fwds b/p. N To---Plan appd.1/23. To---appd.1/25. Reqt. return of tracing.1/26	
60447	2-5	Bd.on Charges, NYS	279-2281	Installation gate valves; on main feed discharge main; inc:cost. N To NYS appd.2/6.	
62280	2/28	To Grance NYS		VALVES: auth. setting at 225 lbs.	724--6
67500	4-29	NYS	983-2281	Recommends reducing valve for steam line to evaporators, similar to that recommended by trial board of UTAH. N To---Not desired to instal at present time.5/1.	
75228	8/5	NYS	1594-2320	Gate valve; fwds finished tracing. Recommends rejection of drawings on account of insufficient dimensions.N To - will not accept tracings - gives requirements 8/13	
83384	11-22	NYS	2363-2281	Main steam stop valve; alter operating gear. Inc.cost.N To---.To Gen Inspr for inc cost.11/23.	

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[OVER.]

121-20
ARKANSAS -- VALVES - GENERAL

FILE No.		From or To— (Dated)		Subject.	
28085	12/31	NYS	3214	Lytton Steam trap; recommends in lieu of valve seats required by Bu. To -- appr 1/11.	
29515	1/19	NYS		Fwds prints and specns. covering 2" gate valves for circulating water discharge to oil cooler. To - approved 1/27	
29492	1/19	B&W Co		Wyoming &: boiler valves, re test at Exp.Sta	488-20
30586	2/1	To NYS		TRAPS: waives factory inspection on LYTTON Steam on: and on all future orders	719
33106	3/2 3/6	Crown Smelt.Co Chester	1479-2	Reqt. waiving of specns. covering castings covering valve bodies. S. Ret Chester. Deficiency waived 3/8. R.B.3/11	
33823	3/14	NYS	600	Steam, stop and safety valves; fwds tracing showing arr. of deck operating gear.N. To NYS Apprd as mod.3/21.	
36700	4/20	NYS	865	Lonergran relief valves; fwds prints.N To -- Apprd as mod.4/24.	
36803	4/21	NYS	872	Pressure regulator valves; fwds prints .N To -- apprd 4/29.	
36802	4/21	NYS	875	Pressure regulator valve; fwds prints of Foster Engrg. Co. N To -- apprd. 4/29.	

NB—0120

121-21

ARKANSAS ALLOWANCE 1922

Number.	Date.	From or To—	Subject.
650932	11/28	To CO	Expenditures for first quarter 1923 co S&A Ya
			CO 12/7 Y
			To CO- comments 12/16
			CO ARKANSAS 12/26 Gives explanation of discrepancies. Y
654083	12/9	CO	Rqsts corrected allowance list be furnished Y
	12/17	Atl Battleshp Force	To CO- Fwds copies allow. lists 12/30

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

121-21

ARKANSAS: ALLOWANCE

Number.	Date.	From or To—	Subject.	
		1921		
600264	12/9	Pug Sd	Copy of letter to NLY, transferring allowance list for WYOMING to ARKANSAS. Y	488-21
		1922		
628181	6/20	To CO	Gives change in allow lists cc EO SO ship- yard L Y	
632760	7/11	CO	Fwds balance sheet, title B equipt quarter ending 6/30. Y	
636903	8/11	To CO	s And A Form 20 for quarter ended 30 June non-receipt of copy by Eng Ya CO 8/15- Y	
639158	8/18	CO	Fwds electrical allowance book XL To CO USS ARKANSAS- Returns Allow book 9/1 LY	

4—3381

121 - 21

N. Eng. 134

ARKANSAS ALLOWANCES 1922

Number.	Date.	From or To—	Subject.	
641196	9/11	CO	Annual inventory completed. Y	
644858	10/12	To USS ARKANSAS	Changes in allowance list. Ya cc CO NY	
648761	11/15	To CO	Gives change in allowance cc CO- EO SO ves. Comdt ~~D SO NY~~ Y	
649015	10/30 11/17	CO C&R	Submits report of inspection upon charge in commendation Y	

4—3381

[OVER.]

ARKANSAs; ALLOWANCE;

Number.	Date.	From or To—	Subject.
525116	10;12	CO	Request allowance list.Y To CO Fwds ~~cc of allow books~~ 10-26 CO-11;10-Y
534384	12;3	CO	Request increase in quarterly money allotmt.Y To CO authd 12-18 Tod S&A 12-18 CO-T-reqt ~~xxxxxx~~additional allotment-12;22-Y CO ARKANSAS-12;30-Y
540332	1/15/21	To CO	Gives changes in elec allow cc SO ves- EO-SO Pug Snd 1/15/21 L
541572	1/21	To CO	Fwds for revision allow bookw L To Pug Snd Ask if allow recd 7/13 To CO Reqst inform 3/30 To CO Fwds Allow 7/13 CO-fwds allowance list-6;8-Y CO-recommendations-8;4-Y
551605	3;14	CO T	Reqt addtl quarterly money allotment.Y To CO (T) Addnl allotment authd cc S&A 3/16
566725	5;24	CO	Reqt increase in quarterly money allotment.Y To CO Allotment authorized cc S&A 6/3
570201	6;17	CO T	Reqt addtl money allotment.Y To CO (T) Appvd cc S&A 6/18 To CO Gi ves action 6/24
571056	6/16	CO	Rqst addtl money allotment.Y

4—3381

N. Eng. 134

121-21:ARKANSAS: ALLOWANCE:

Number.	Date.	From or To—		Subject.
573931	6;21 7;8	Pac Flt Ord void see 8		Report of insp n.Y Fwd Operns via S&A Med & Surgy Navign 7/14
579142	8;4	Pug Sd	copy	Pac Flt will return all machine spares for WYOMING & ARKANSAS to East Coast via PYRO.Y To Navy Yd PS(T) 7818 Your 1004 1400 New York 8/18 Yb
580214	8/2	CO		Annual inventory completed. Y
583460	8;29	CO		Reqt increase in money allotment.Y
583600	9;1	CO	T	Reqt addtl title "C" allotment $2,000.Y To CO (T) Approved cc S&A 9/2
584174	9;1	CO	Dx	Reqt addtl money allotment.Y To CO via C-I-C Atl Fleet- allotment authd 9/8
541572	9/12	To CO		Gives Change in allow list- cc SO-CO Ship-Comdt NY- L Pug Sd. 9/14-Reports distribution of allowance. W.

4—3381

[OVER.]

ARKANSAS: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
224505	4-24	To NY	Reqt itemized statement of spares transferred to Phila and Norf for MAYRANT &	689-11
272027	1-12	To CO	Revision of Eng Elec Allow lists. Fwds blank book. L-R	
296474	4/5	CO	Rettrns allowance list filled in - RA To--Returns allow lists appvd as corrected 4/13	
313242	6-6	To C O	Re change in S E Elec Allow. List, LR	
316701	6;3	C O	Reqts inquiry for monthly allowance. R Fwd S&A 6-18	
320459	7-1	To C o	Amending S E Allowance	

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N.S.E. Form 134.

ARKANSAS : ALLOWANCE

Number.	Date.	From or To—	Subject.	
376786	12-13	To CO	Re revision of elec. allowance . CO fwds allowance list 3;20 To CO- Fwdg 1 SE allowance book- 4/10	5-29-21
387064	1/16 1/18	CO R S&A	Request Norf be authorized to issue tungsten tool steel - R Fwd S&A. 1-22	
409683	4-10	To CO	Fwds blank allowance book for revision. CO 6/19 Fwds allowance book To CO- Fwds appvd allow lists. 8-21	Ya
457732	11/7	P Snd 12 VOID - see 121 - 12	Recommends all tubes of port condenser and lower section of starboard condenser be removed-Y	
459367	10;29	CO BALTO	Request radio allowance list be furnished.Y	
484361	3;21	CO T	Request additional allotment of $4000. covering cost of material overhauling boilers evaporators and generators-Y Fwd S&A. 3-29	
485469	3;27	CO	Submits request for increase in money alltmt.Y Fwd S&A: 4-6	

NB—0120 [OVER.]

ARKANSAS: ALLOWANCES.

1912

Number.	Date.	From or To—	Subject.
85561	12-18	Bd on Changes, NYS	Spare parts; shipped to NY in lieu of Phila; inc. cost. N To NYS. appd. 12/20.

1913

92765	3-18	NYS 386-6116	Spare parts; states 4 lever springs for emergency governor on Gen Set were furnished as part of spares required by contract and their retention will involve no increased cost. L
94617	4-10	NYS 832-2314	Fwds shipment list covering shipment of propellers and spare parts for turbines to NY. N
101339	7-10	CO	Reqt. spares for motor boat be added. R To---not appd. 7/15.
101340	7-10	CO	Reqt. addition of gages, taps and dies, etc. R To NY. additions. 7/14. RB 7-23 Ret---7/23 RB 8-2
103568	8-5	CO	Oil tanks; small; reqt. transfer from title B to title A. R Fwd S&A. appd. 8/15. RB 8-20

N.S.E. Form 134.

ARKANSAS: ALLOWANCES 121-21

1913 1914

Number.	Date.	From or To—	Subject.
120958	3-24	CO	Reqt addition of elec irons.R To NY add 4/3
132796	8-15	CO	Fwds revised. R To Via NY-- Fwds blanks lists. 1/16
			1915
150504	3-15	CO	Reqt list.R To--Fwds blanks for preparation. 3/25 To--Reqt for above. 5/22 To-- Reqt action. 10/7 To--Addition of torch. 4/29-16
164443	8-24	CO	Reqt emergency increased money allotment. R Fwd Dept--8/30 RB 9/1 Fwd S&A-- 9/2
168892	10-20	CO	Elec allowance; fwds.R To--Returns appvd with modi. 11/19 ARK submits recom 12-3 CO fwds allowance 12/20
	To NY--Fwds lists. 12/29		
173704	12/4	CO	Reqt addition of elec drill to allowance.R TO NY add 12-15 TO CO 12-15
			1916
180717	2-25	CO	Reqt laminated bridges be transferred from title Y to B. R To--Appvs/ 3/13
185922	4-24	CO	Portable metal ash shute; request.Y
209287	12/23	To CO	Adds coppersmith's tools to allow. R
			1917
ARK 336	2/1	To ARKANSAS	Calls attention to standard allow of spare parts for motor boats of SE allow book, 1915, edition, and directs not to exceed this in future. R

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[OVER.]

ARKANSAS: ALLOWANCE. 1912

Number.	Date.	From or To—		Subject.	
76689	8/26	NYS	1023-15	Allowance list--Equipment. Recommends additional spares for gen.sets,etc.R To Comdt. Phila. & Insp.Camden, VIA S&A: Amendments.8/28 R B 10-9	
77936	9-12	NYS	1795-2317	Recommends changes spare parts, tools, etc. R	
78070	9-14	NYS	1086	Omit cam shafts and pilot valves from generator spares.R. To - Via S&A - amends/ 9/19 NYS reqt. copy. 10-9 To---Fwds copy.10/11.	
78625	9-20	NYS	1115-699	Fwds list of stores furnished by Bu. and contractors for installation.N.	
79098	9-28	NYS	1915-2313	Shortage in spare parts; contractors objectto funishing pattern of fire brick for fuel oil burner.N	
79323	10-2	NYS	1939-2314	Submits list of spare parts, stores and tcols. N-R Reqt. change in list wrenches.11-27 NYS corrects prices 1-27 Corrects - 6/16	
79336	10-2	NYS	1155-15	Invites attention to recommended changes for spares for gen.sets and testing instruments. R TO -- have been appvd.10-8 ~~xCorrectsx6-16x~~	
Reqn	10/11	To C.O.		Machine screws, rel carefully scrutinizing of reqn before submitting	

N.S.E. Form 134.

ARKANSAS: ALLOWANCE: 121-21

Number.	Date.	From or To—		Subject.
80198	10-14	NYS	2073-2314	Reqt. instructions re shipment spare parts.N TO -- instructions. 10-16 TO NY to place in store.10-16
80988	10-24	NY		Reqt. R TO S&A reqt. be forwarded.10-29
81048	10-23	CO		Reqt. lamps used to fill empty sockets be not charged against quarterly allotment. R.
81851	10-31	NYS	1271-15	SE allowance; recommends changes in emergency and control governor; etc. fwds b/p. R. To---Only one sheet recd.11/9. To GE.Reqst detailed statement as to what items furnished include.11/9.
82072	11-7	NYS	224-2313	Spare parts and tools; reqt. shipping instuns.N To---Instructions.11/8.
82360	11/11	NYS	1309-15	Re inertia governor and emergency springs called for on allowance list; fwds print.R-L To--- Requirements.11/14. RB 11-16 To---lever and springs not required.2/26. NYS 2/28.springs have all been shipped.L To---desires material be accepted.3/10.
83039	11-19	NYS	2333-2314	Spare parts; fwds list of those shipped to GSK NY. N
83735	11-27	NYS	2402-2413	Shipment spare parts NY in lieu Phila.Inc. cost.N To---& Gen Inspr.inc cost.11/29.
85298	12/17	NYS		Re shipment of spare parts for valves, pumps, fuel oil system, etc

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[OVER.]

ARKANSAS: ALLOWANCE 1912

Number.	Date.	From or To—	Subject.	
61609	2-17	Phila	Patterns for steam cutter grate bars; reqt instructions re supplying items. R-Y. To---via S&A.Directs omission.2/21.	
62227	3/6	To NYS and Phila via S&A.	Amendments: change in shades for lights, and spares for illuminating sets.	488-21
64108	3/19	Phila. 320-6	& WYOMING: requests detail description covering gas testing set called for in allowance books.R Ret---Being purchased on Bu.NSA reqn 250. 3/22. RB 4-1	
64225	3-20	Phila	& WYOMING: Technical books; reqt. instructions re purchasing. R To---via S&A.Omit reference books.4/18.	
66023	4/12	To NYS	Request comment and rec concerning changes for hose and tube cleaners.	488-21
66550	4-17	NYS 908-2317	Comments on allowance of steam hose, boiler tube cleaning lances,etc.R To---& Phila via S&A.amended.4/19.	
67348	4/26	NYS	Rec.allowance list be modified by omission of list of spare parts for Danger Zone motor generator.R To---via S&A.directs omit.5/2. RB 5-18	
67501	4-28	NYS 473-15	Recommends elec. candle sticks be transferred to SE. allowance. R Ret---via S&A and Cramps.Should be entered on Eq.S.E.lists.5/4. RB 5-11 To Cramps. Is required for WYOMING.5/16. Ret---via S&A and Cramps.Should be entered on allowance.	

N.S.E. Form 134.

ARKANSAS: ALLOWANCE: 121-21

Number.	Date.	From or To—		Subject.
69255	5-20	NYS	587-15	Change in cost caused by changing type of terry turbine turbine turning motors.R TO -- VIA S&A additions.etc. 5-24 To Phila via NYS and S&A.additions.11/22.
69820	5-27	Cramps	272-50	Elec. candlesticks; fwds corres. Claims allowance list and not approved drawings fix number. R-L To---Contrs should supply without change of cost.6/8.
71026	6-12	NYS	691-15	Add elec. testing app aratus. R To---& Phila via S&A.directs amendments. 6/18. RB 7-22
72275	6-26	Phila	GSK	Allowance; motor generator testing set; asks if Bureau has made arrangements to supply. R To---set will be supplied on Bu.reqn.28. 6/29.
72395	6-26	S&A	109021	Fwds list of articles due from NY Yd for assembly at Phila. R Fwd Ord.7/1.
72505	7-1	Cramps	480-150	Allowance list; candle sticks; objects to furnishing more than one fixture for each outlet on lighting system; no precedent. R-L To--(WYOMING) instructions 7/16
73054	7-10	NYS	836	Calls ateention to discrepancy in testing apparatus, elec.R To---appd.7/12. TO -- VIA S&A amends. 7-13 BLRB 7-25
73733	7/18	NYS	882-15	Recommends A.C.voltmeter be added to list.R To---No reason for acceeding to request 7/20.

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ARKANSAS ALLOWANCE LIST

Number.	Date.	From or To—		Subject.	
43202	7/10	NYD		Reqt. copy of Bureau Equipment letter 214403 quoted in connection with allowance list. R To -- Eq. #214,403 fwd. 7/18.	
43579	7/13	S&A	106316	Reqt.R To NYS. Fwds copy of Appendix with four blanks.7/18.	
48514	9/12	NYS	1060	Reqt. list of spare parts for turbine generator for. R Ref. approved - same as UTAH 9/20	
48515	9/12	NYS		Reqt. list of spare parts for fire control motor generators. R Ret. approved same as UTAH 9/20	
49046	9/15 9/19	Phila S&A	14563	& WYOMING; telephone equipment; reqt. instruns as to what title of allowance to be carried under. R. Ref. S&A - recomds. 9/23	
49270	9/22	NYS	1108-15	Reqt. blanks covering Bu. Equipt.articles.R	
49599	9/26	NYS	1973	Returns revised copies.R. To N.Y.S. forwards list for corrections and additions 9/29	
50329	10/5	NYS	2087	Returns; entries of spares appear to be incorrect. R To---Returns copy; reqst changes necessary be made.10/9.	
50402	10/6	NYS	1171-15	Recommends changes in under S.E. Equipt. covering motor generators, also supplies.R Ret---Changes appd.10/9 RB 10-12	

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ARKANSAS: ALLOWANCE LIST: 121-21

Number.	Date.	From or To—		Subject.	
51041	10/13	NYS	1195-15	Fwds, covering SE. Equipt. R	
51564	10/17 10/19	NY S&A	GSK	Asks if copy forwarded by Inspr.NYS is to used for assembling material.R. Ret S&A.Rqst book be fwd to GSK.Phila.10/24. RB 11-22 Fwd Phila-Are revised lists.11/22.	
51950	10/26	C&R	VOID	Fwds prints showing modification in lead of filling pipe.N	
52083	10/27	NYS	2304	Submits revised copy.R To---Appd.11/4.	
52832	11/6	NYS	2413	States copy on hand duplicate of Bureau's copy; have forwarded same to GSK Phila. R	
56367	12/14	Phila.	320-3	Requests up-to-date allowance. States one on hand is so marked up with corrections as to make it impracticaibe to make further changes.R To--Fwds list.12/20. BLRB1-3 Ret---Rqst blank copy be filled in for E.O's use.1/11. To--via S&A.Changed direct-BLRB 2-2 ed.2/3. To NYS via S&A.Omit copying press.2/13 1912 To---via S&A.Amended.2/16. To---via S&A.amendment.3/6	
58833	1/18	To NYS		Directs add Portables, water-tigh t.R RB 2-5	
61078	2/15	To NYS via S&A.		Omit spare ash pit doors.	121-10

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[OVER.]

ARKANSAS: ALLOWANCE: LIST:

FILE No.		From or To— (Dated)		Subject.	
30186	1/11 1/26	Phila. mm 4009 S&A	109021	AND WYOMING; relative to preparation of, so articles of outfit can be manufactured. R Fwd Ord.and Nav. Prel.lists will be prepared at early date 1/30. To Phila. 2 fwd 2/6. Reqt. copy of letter.7/10 To NYS Copy fwd.7/18.	SEE BELOW
30254	1/28	Phila. GSK		ARKANSAS: change in allowance by adding arc lights; request source of supply R Ret -- To be supplied by contrs 2/6/	
32202	2/21	NYS	216-15	Fwds allowance of articles formerly under Bu. Equipment. R To S&A for Phila Yd. 3 copies of Appendix fwd 2/27. B.L.R.B.3/9. Fwd S&A. 3 copies Appendix with corrections ret 3/10.	
32370	2/24	NYS	225-1118	Recommends change in allowance covering omission of Cooper Hewitt vapor lamps for and additional carbon arc lights.R	
35934	4/11	NYS	429-15	Recommends changes in spare parts for motor generators, etc. R Ret -- via S&A Directs appendix amended.4/19	RB 5-19
38505	5/11	S&A	106316	Reqt. assembly list.R To -- Will furnish lists at early date.5/13. To NYS.Fwds copy and directs be prepared.6/3. To S&A fwds. lists 9/16	
36328	5/16	To C&R via S&A		Asks if clothing and small stores issuing room (compartment C-103) will be retained in addition to genl stores issuing room in the hold.	121-4
38970	5/17	NYS		Reqt. changes in connection with searchlight spare parts.R Ret -- Recommendations apprd.5/26.	RB 5-29
30186	SEE ABOVE			Reports non receipt . 7/20 NYS.	

NB—0120

ARKANSAS: WHISTLES: 1912

Number.	Date.	From or To—	Subject.	
69332	5-21	C&R 25225-E.26	CO suggests changeing location from forward to after smoke pipe.N. Fwd Dept via C&R.Rec appr; also for WYOMING. 5/31. RB 6-7 Appd To NY.appd.6/10. (Work transferred to Phila-See 72164-121-24)	
			1913	
		1914		
114875	1/13	To C.O.	Siren, reqts report of operation of	73o
		1919		
390020	1;28	Norf.	Req. print of 2" completed stop valve and separator for whistles and siren D To- Fwds prints. 2-1-19	
412185	4;17	Norf.	Commanding Officer req. constr. stage around whistle and siren. D To- Work on installation of stage around whistle and siren auth. copy to CO.	4-26

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1913

Number.	Date.	From or To—	Subject.	

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[OVER.]

ARKANSAS: AIR COMPRESSORS:

FILE No.		From or To— (Dated)		Subject.	
36622	4/19	NYS	861	Compressed air and gas ejecting system; fwds prints showing arr. of. L To -- Apprd as mod.4/22.	
36665	4/20	C&R	25151	Gas ejecting system: fwds prints showing arr. of. L. Fwd Ord.Plans satisfactory as commented upon 4/22.	
				1912	
72919 VOID	7-8	NYS VOID	1399+3055	Stern tub shafting; reqt. authority to increase size axial hole?N	
72918	7-8	NYS		Air compressor; reqt. set of prints. N To--Not policy of Bu.to loan standard tracings to contractors.7/17.	
				1913	
95200	4/17	NY		Prevention of dampness in torpedo air compressor compartments, reports on conditions on:	601
			1914	1918	
232550	2-4	CO		Install independent air compressor for oil boring --. Y Fwd C&R 2-19 R B 2/26	

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ARKANSAS: INSTRUMENTS

1915

Number.	Date.	From or To—	Subject.	
146385	1/26	ARKANSAS	Cummings ship engine log; reports on operation of	665-2
			1916	
175629	1/6	Hohmann & Maurer Co	Reqt Bureau submit report on trial of their induction thermometers made on ARKANSAS	671-10
183527	3/20	CO	Pneumercator system	121-8
186641	5/3	To CO	Cummings engine log system; reqt report on efficiency of	665-2
1597	**7-8**	**Jergus on &&V Co**	**Water column fittings; reqt extenstion**	**629-2**
201274	**9-26**	**CO**	**Cummings log clock; request authority to send to company for overhaul.Y** To Cummings Ship I.Wks--Quotes from CO letter saying clocks never any good. Reqt comment. 10/7 Cummings Works; reasons for frequent overhaul 10-11 To--Auth to send to Cummings Works clock attach for overhauling. 10/14	
259189	11/7	NYS VOID	Spare propellers - fwds data used and calls ~~attention to improvdments - D & Y~~	

N.S.E. Form 134.

121-24:ARKANSAS: INSTRUMENTS: 1921

Number.	Date.	From or To—	Subject.	
593609	10;4	CO	No.1 torsion meter inoperative - ships force will endeavor to repair.D	
595448	10;22	CO	Reqt repair torsion meter of starboard over-board main shaft.Y To CO- Auths repair cc Atl Fleet- C-I-C Atl Fleet- Comat NY 11/17	

NB—0120

[OVER.]

ARKANSAS: INSTRUMENTS: - 1912

Number.	Date.	From or To—		Subject.	
61631	2-19	NYS	416-2300	Installation Gary Cummings averaging counter; fwds letter from Lt. Comdr E.P.Jessop stating instrument invaluable for turbine driven vessels; reqt. reconsideration non-installing.N. To---Installation not appd.2/21.	
61904	2/23	To NYS		Torsion meters; finished plans not required.N	
62123	2-26	NYS	482-2287	Torsionmeters; reqt. vandykes be accepted in lieu of finished tracings. N To---Will be accepted.2/28.	
64548	3-23 3-25	Brook NYS	717	Thermometers for magazine refrigerating system; reqt. instructions re testing. D-N To Brook via NYS.Instructions.3/29.	
66366	4-15	NYS	892-2281	Torsionmeter; reqt.instructions re calibration N To---Will require affidavit from makers as to calibration.5/7.	
68691	5-13	NYS	1059-2300	Contractors appeal against furnishing gage for each air compressor. N To---omission approved.5/15.	
72164	6-26	Future CO		Reqt. be fitted with Gary Cummings averaging counter. N Fwd Dept.rec appr.7/12. RB7-10a'pnd To NYS.appd.7/23. Fwd NY.for compliance.7/23. &E 8-9 To--N.Y & Phila. transfer of work 9/17	
73829	7/19	NYS		ARKANSAS: turbo gen.sets, provides for using hand tachometer.	121--5

N.S.E. Form 134.

ARKANSAS: INSTRUMENTS. 121-24

Number.	Date.	From or To—		Subject.	
79430	10-3	Phila	320-160	Gary-Cummings averaging counters; no one-way gears were furnished.N. TO -- will be forwarded. 10-8	
83100	11-5 11-7	CO NY	320-755-3	Repair thermometers and clocks.Y	
83376	11-22	NYS	2360-2287	Gary Cummings torsion meters; inc.cost.N To---& Gen Inspr.11/25.	
85552	12-18	Bd on Changes, NYS		Gary-Cummings torsion meters;inc.cost.N Fwd Dept rec appr.12/20. RB1 2 appd To NYS appd.1/2. Change in weights 1-6 Fwd C&R.1/8. 1913	
99454	6-13	NY		Cummings engine log ;reports installation complete; est.D	
113912	12-19	CO		Reqt new pipe line for operating Cummings Engine Room counter on bridge ~~xx~~ using larger size pipe. Cummings instrument has operated satisfactorily. Y Fwd NY for est and rec.1/6 RB 124 To NY. ~~appd~~ instructions .1/24.	
			1914		
136188	9/29	ARKANSAS		Tycos index thermometer; reports on test	671-10
137089	10-13	CO		Reqt r epairs and alteratons engine log be expedited and returned to vessel before Oct 28. Y Fwd S&A--Reqt shipment to Cummings Ship Instrument Co. 10/15 rb 10 22 To--Have reqtd shipment to Co. 10/16 To Cummings Ship Wks--Notifies of shpmnt.10/15 Cummings will return 10-24	

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[OVER.]

121--24

ARKANSAS GAGES, & instruments. 1

FILE No.		From or To— (Dated)		Subject.	
34919	3/29	NYS		THERMOMETERS: std fittings: reqt prints, for use in connection with ordering for:	671--10
38782	5/10	NYS	1078	Reqt/ decision relative to installing recording gage in Senior Engrs. quarters.N. To -- Installation apprd. Reqst est.of change in cost.5/17.	
53317	11/9	NYS	2453	Steam gage in engineer stateroom; estimated inc. cost. N To---,&GenlInspr for inc cost.--Fwd C&R.	11/13.
54651	11/27	NYS	2627	Gary-Cummings torsion meters: fwds tracing showing location. Calls for prints of instruments showing details--not received.N Print recd 11/29. To-Appd as mod.12/4. To--Further mod.12/6.	
54602	11/27	To Mass		Torsion meters, Orders 105552-3; waives factory inspectionand auth.shipment. S	
				1912	
60451	2-5	Bd.on Changes, NYS 283-2285		Steam gage in engineers stateroom; inc.cost.N To NYS/ appd.2/6.	
61338	2-15	NYS	2872-3000	Substitution Cummings Averaging counters for twin rotary counters, inc cost. N To---Not appd.2/17.	

NB—0120

121-25

ARKANSAS: RECORD OF WORK 1921

Number.	Date.	From or To—	Subject.
542277	1-3	CO VESTAL	Quarter 12/31 Y
543386	1;1	CO	Quarter ending December 31st.Y
557635	4;1	CO VESTAL	Quarter ending 3;31.Y
558107	4;1	PROMETHEUS VOID SEE 2;z;25	Quarter ending 3;31.Y
558125	4;1	PROMETHEUS	Quarter ending 3;31.Y
560254	4;1	CO	Quarter ending 3;31 Y
575626	7/1	CO VESTAL	Quarter ending 6/30 Y
589157	10/70	CO PROMETHEUS	Quarterlending 9/30 Y
590625	10/1	CO VESTAL	Quarter ending 9/30 Y
592015	10;1	CO	Quarter ending Sept 30th.Y
594188	11;2	NY	8;22;21 to 8;27;21.Y

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121-25:ARKANSAS: RECORD OF WORK: 1922

Number.	Date.	From or To—	Subject.	
602979	12;31	CO PROMETHEUS	Quarter ending Dec 31st.Y	
612566	3/6	N.Y.	11/14/21 to 1/3/22 Y	
620162	4/1	CO	Quarter ending 3/31/22 Y	
631680	6/30	CO	Quarterly report of work afloat Y	
635618	7/31	N.Y.	4/28/22 to 6/17/22·Y To NY- Reqsts explanation of listed items 8/10 N.Y. 8/16 YL	

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[OVER.]

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ARKANSAS: RECORD OF WORK

1919

2

Number.	Date.	From or To—	Subject.	
389034	1;1	Norf	2-11-18 to 7-13-18 Y	
393510	2/8	Norf	7/13 to 2/1/19 - Y	
410951	4;1	CO	Qtr ending 3;31;19 Y	
414249	4-15	CO	1-6-17 to 3-26-18 Y	
439250	8/1	CO	Quarter ending 6/30 - Y	
446754	7;1	USS VESTAL	Month ending June 30th Y	
		1919		
450021	10-1	USS BRIDGEPORT	Quarter ending 6/30. Y	
452056	10-1	CO Vestal	Quarter ending 9/30. Y	

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Number.	Date.	From or To—	Subject.
454705	10/1	CO	Quarter ending 9/30 - Y
			1920
470521	1;1	Norf	7-13-18 to 2-1919.Y
470719	1/1	CO	Quarter ending 12/31 - Y
489464	4;1	CO	Quarter ending March 31st.Y
489466	4-26	To CO	Quarterly report of work Afloat. Job Order D. 5-20. Repairs to deck winches. Under cognizance of C&R and should be charged against Appropriations of C&R. copy to S&A. L
507663	7;1	CO VESTAL	Quarter ending June 30th.Y
507745	7;1	CO	Quarter ending June 30th.Y
527281	11;1	CO	Quarter ending Sept 30th.Y

121 -- 25-

ARKANSAS: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.	
108460	10-15	NY	May 25 to Oct 2.Y	
			1914	
123495	4-4	NY	Oct 2 to Apr 2.	
124744	5-10	NY	ditto	
126598	6/5	NY	Oct.2 to Apr.2.Y	
			1915	
143015	12-24	NY	Apr 2 to Oct 21.Y	
148858	3-2	NY	10-31 to 1-16;-5	
169751	10-28	NY	Jan 16 to June 25	
173844	12-14	Norf	Up to Oct 9	
183403	3-31	NY	June 25 to Jan 6, 16	
			1917	
233353	6/13	To NY	Reqt information re certain job orders. Y NY - submits report on amt expended to repair engine and boilers of steamer 1154 - Y 12/4	
244843	--	CO	Quarter ending June 30th Y	

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N.S.E. Form 134.

ARKANSAS: RECORD OF WORK. 121 - 25

Number.	Date.	From or To—	Subject.	
282510	2-16	Norfolk.	Feb. 1, to Feb. 11, Y.	
294417	3/26	NY	1/6 to 3/26 - Y	
300064	No date	CO	Quarter ending March 31st.	
321025	6-20	Norf	2-1-17 to 2-11-18. Y	
328673	7/15	Norf	2/11 to 7/13 -Y	
413121	CO 11-1	C O	Quarterly report of work quatter ending Sept 30th	Y
386760	1;1	CO	Quarter ending 12;31;18 Y	

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1919

ArKANSAS AIRCRFT & AIRCRFT MATERIAL

Number.	Date.	From or To—	Subject.	
430725	7/5	Norf.	Fwds print showing wiring for current supply, kite balloon. Y.	
469159	1;7	CO	Request electrical spare parts be furnished for kite balloon winch motor.L Fwd C&R. 1-16	

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Number.	Date.	From or To—	Subject.	

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ARKANSAS: SURVEYS 1921 2

Number.	Date.	From or To—		Subject.	
597764	11/28		43/22	Brasses, Manifold, Gauge Y	
598535	12/1		52-22	Thermometer Y	
598961	11/29	NY	44-22	Wrench, Doors Y	
599189	12/6	NY	41	Armature Y	
599859	9/30 12/9	CO S&A		Survey No. 6 provisions. Y	121-13
600438	9/12	CO	27	Forwards correspondence and survey #21 cov various material. Y Fwd Dept 12/17 To CO via Div 5- Gives Action 12/17 RB 2/27 Y Dept- Copy action to Atl.Fleet. 12/28 Y To CO- 3/3	
600746	12/15	CO	20/22	Various material.Y	
602415	12/28	NY	67/22	Bulbs Y	
617763	3/13	CO	92-22	Propeller Y	
623723	5/12	New York	100-22	Magneto Y	

4—3381

Number.	Date.	From or To—	Subject.	

121-27

ARKANSAS: SURVEYS:

1920

Number.	Date.	From or To—		Subject.
467780	1;3	Pug Sd	26-20	Generators, lubricator kk cylinders,etc.Y To- Advise Bu number of engine. 1-17 P Snd - 1/23
474597	2;2	Pug Sd	35/20	Thermometers, and blocks.Y
474596	2;2	Pug Sd	32/20	Various material.Y
475574	2;6	Pug Sd	36/20	Tools.Y
480654	3;3	Pug Sd	2/23	Laundry irons and elec matl.Y
485552	3;30	Pug Sd	50/20	Various material.Y
492875	5;8	Pug Sd	55/20	Searchlight and spares.Y
521683	9;11	NY	2/21	Searchlights.Y
522716	7;17	WYOMING	1/21	Various items.Y
535138	12/11	ARK	3/21	miscl Y
595574	11/4	CO	30-22	Propeller. Y

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N. S. E. Form 134.

ARKANSAS: SURVEYS 1920

Number.	Date.	From or To—		Subject.	
535666	12/14	PS	4/21	Cutter Y	
535878	12/15	PS	5/21	Propeller Y	
563364	5/4	CO	35	Hydrometer testing set Y	
563365	5/11	Comdt	97p	Main antenna, Vacuum tubes Y	
569689	6/10	PS	8/21	Collars, Manifold, Levers Y	
572201	6/23	PS	9/21	Armatures, Coils, Battery Y	
573085	6/29	PS	12/21	Gauge Y	
575416	7/5	CO	10/21	Buckets, Propeller Y	
575905	7/13	PS	13/21	Soldering irons, Buckets, Pulley Y	
594333	11/4	S&A		Fwds survey No. 6 fr m ARKANSAS covering 121-13 provisions spoiled due to inadequate refrigerating apparatus- D&Y	

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124--2
BAILEY TRIALS,MOVEMENTS, Mis.reports.

FILE No.	From or To— (Dated)	Subject.	
35655 4/6	B.O.	Reports on water test: satisfactory.	758
		1912	
58005 1/3	Reserve Tor.Div	TBDS Bailey,Biddle,Bagley,Barney, reports readiness for sea, Norf. is to be home yd based at Annapolis for exercise.	496
		1913	
		1915	
162957 8/9	Dept	To be used for instruction purposes in inland waters only.Y	

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1918

BAILEY: ELEC PLANT: GEN.

Number.	Date.	From or To—	Subject.	
286518	2/20	CO	Miscellaneous elec repairs - L	
	2/21	NY	To NY- Lists items appvd. 3-6	
			Fwd Ordnance via C&R- 3-6 RB 3-12	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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BAILEY: INT.COM.SYSTEMS.

1914

Number.	Date.	From or To—	Subject.
126356	6/3	To N.Acad. To CO via N.Acad.	Bu.desires instruments purchased on schedule 6507 be issued to.L
250747	9/22	New York	Reqt authority to install fire alarm and general alarm systems.L
			1917
251427	9/22 9/26	NY Ordn	Reqst authority to install fire control and general alarm system - L Fwd C&R- Recommends that 3" voice tubes be install To 3rd Dist- Auth to install granted. 10-5 10-5 RB-10/10.
257654	10/15 10/30	CO C&R	Reqt additional voice tubes.L Fwd C&R- 11-6
297008	4-2 4-10	CO Ordnance	Visual range and deflection indicators - reports on misunderstanding regarding number to be furnished. L
341124	10-4	C O ARKANSAS	131-4

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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BAILEY: LIGHT & POWERS

1912

Number.	Date.	From or To—	Subject.
72254	6-20 6-22	CO Norf 3617-337	Rewind spare armature gen set. L
84046	11/20 11/26	C.D. Norf. 3242-337	Reqt new 5 Kw gen. set.L Fwd Dept.Not recommended.12/4.R B 12-7 To Norf.disappd.12/9.
			1913
			1916
209138	12-18	Ae REINA MERCEDES	Vessel has Ardois set not on list; request instructionsre removin.L To--Instrns. 1/8
			1917
248492	9-8	CO	Fwds requisition for lamps; breakage caused by vibrating oil at sea.L
256490	10/22	CO	Reqst authority to turn certain electrical apparatus in store - L Fwd S&A- 10-27
262980	11/7 Fwd Dept-12-8 R B 12/13 To NY- eqt disappvd in view of fact that Deptrauth install 5-kw 125 volt recip generator set. 12-18	CO	Request flash light batteries - fwds requisition - L To-Reqt further information re breaking down of generator set. 11-26 R B 12/6 NY-submits estimate.1/11.L To NY- 1-23

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BAILEY: LIGHT & POWERS 1918 ~~1913~~

Number.	Date.	From or To—	Subject.	
328465	7-22	To CO	Rqst more inform re addition of generator set L-2	

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[OVER.]

BAILEY: RADIO

1915

Number.	Date.	From or To—	Subject.	
155825	5-22	CO	Report on. W To Via Nav Acad--Turn in apparatus for shipment to NY. 6/4 To NY--Notifies of shipment. 6/4 To S&A-- Reqt for shipment. 6/4	
213410	2-26	To Res Tor Div Via Nav Acad.	Will equip with radio set should accasion arise which would warrant this installation.W	
			1917	
228577	5/16	To NY via C&R	Lists radio apparatus, and auth install on.W	
258109	10/30	CO	Reqt audion.W To via NY- Considers does not need audion. 11-6 To NY- Type and serial number reqted. 11-9	
259109	11/5	NY	Reports completion installing National Electric signal 1/2 K W set - W NY - description of radio 11/14 W	
269039	12/21	NY	Request authority to replace aero thrust engine radio set . To- Auth to make reqn cover new engine. 12-29	

N.S.E. Form 134.

124 - 6 BAILEY: RADIO:

Number.	Date.	From or To—	Subject.	
295046	4-6	To NY	Radio apparatus for - Auth removal of the gas engine driven radio transmitting set and the installation of the 1/2 kw type. The gas engine driven set should be turned in to the NY Yard. W NY - fwds - 4/20	
322247	6/27	C&R	Copy of telegram to 3rd Dist authorizing installation of kite baloons, towing winch and alterations on - W C&R - Fwds sketch of proposed location of baloon towing winch. W Fwd NY, 7-12 RB 7-23 Fwd Dept, 7-25 RB 7-31 Fwd C&R 8-3	

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BAILEY: WIRELESS TELEGRAPH SYSTEM.

Number.	Date.	From or To—	Subject.	
54410	11/24	To S&A	Reqt shipment from Exp.Sta. to NY Yd., of one switchboard and condenser. W	
56504	12/19	To Nav.	TESTS: reqt assignment of sounding machine (Lord Kelvin #3409) to, for use in kite experiments.	903
56619	12/19	To Nav.Acad.	TESTS: instruct STRINGHAM or BAILEY when on tests listen for SS Madison and note greatest distance of signal rec'd	903
57494	1/2	To Academy	TESTS: Bureau desires tests from time to time between naval wireless laboratory at Bureau of Standards, Academy & Stringham & Bailey	903
			1912	
44272	1/9	To N.Acad.	Oscillation transformer; directs change from direct coupled.	914
61027	2/9	C.O.	TEST: experimental work, reqt 4 additional inductance coils for use with FESSENDEN 2 kw set.	903
61316	2/15	To Wash	Bu. reqn 188: pyron detectors, two invoiced to Bailey & Stringham.	898

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N.S.E. Form 134.

BAILEY 124--6

Number.	Date.	From or To—	Subject.	
68581	5/10	C.O.	States experiments have shown sounding wire may be used as emergency aerial with satisfactory results.	875
69906	5-27	CO	Reqt. transformer furnished by Lowenstein be exchanged.W To F.Lowenstein. Rel to exchanging.5/31. To---advises of action.5/31.	
72286	6-27	Lowenstein, F.	Transformer; agrees to exchange; reqt. be not forwarded at present time.W To Res Torp.Flo.fwds copy of letter. 6/28.	
			1913	
103009	8/4	Bailey	Submits list of apparatus on board not on charge used during recent test, reqt instructions re disposition.	903
			1914	
124658	5/8	CO WORDEN	Reqt to be fitted with mast now on BAILEY for radio purposes	487-6
124801	5/12	CO WORDEN	Remove radio set now on board and replace with set now on the BAILEY	487-6
128103	6/16	WORDEN	Requests shipment to Chasn of radio set removed from BAILEY	487-6
			1915	
144417	1/11	WORDEN	Reports installation transmitting set ex-BAILEY	487-6

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Number.	Date.	From or To—	Subject.	
41600	6/16 6/19	C.O. Nav.Acad.	Further report of wireless tests. W	
41618	6/19 6/20	C.O. (W) Dept	& STRINGHAM: available for making test mentioned in letter of 17th. W (W) Directs send antenna resistance measurements after reporting of Chf.Elec.Scanlon.6/21	
42670	6/22	Norf	Reqt. galvanometer for wireless turned in by Dr.Austin be invoiced to vessel. W Fwd Wash P.O. Asks re invoice.7/7.RB 7-11 Ref to S&A for action.7/12. RB 7-17. Fwd Washn. Directs invoice to M.Is. 7/25.	
42829	7/3	TO NY & S&A	Reqt. shipment by express of wireless receiving set to Bu. Standards for test. W	
41953	6/30	BAILEY	TESTS: States took part in wireless test and Mr.Clark will submit report.	903
44284	7/22	TO S&A	& STRINGHAM; reqt. shipment of wavemeters to Naval Academy.N	
44641	7/27	To S&A & NY	APPARATUS: directs shipment of sets on cont. 12874, Nat. Elec. for:	876
45241	8/1	C.O.	Reports ready to send wave lengths of 600 meters.W	
45737	8/8	To Academy	TESTS: Bureau's expert will visit STRINGHAM & Bailey Aug.9, in connection with	903

N.S.E. Form 134.

BAILEY 124--6

Number.	Date.	From or To—		Subject.	
46305	8/15	To Exp. Sta		TESTS: directs between Stringham &: under rules laid down for Autumn practice directs reqn. be submitted for kites, additional wire, & suggests use of ballons	903
46468	8/14	C.O.		TESTS: weekly report of experiments.	903
47546	8/29	Bailey		Sate are constructing reel for kite for test.	903
48003	9/6	Exp.Sta	1445	BAILEY & STRINGHAM: Reports receipt of transmitting set; understood to be installed by ships force.W. TTo - not complete until gaps and transformers are received. proceed with work 9/8	
✓53433	11/13	NY	T	& STRINGHAM: wireless sets due Nov.14; installation requires 2 days. W FwdDept.Reqst installation be completed. 11/14. R.B 11-16 a'ppd	
✓53432	11/13	To NY	T	& STRINGHAM: Request time required complete installation turbo generator quenched gap wireless sets.W	
53672	11/15	NY	T	& STRINGHAM:wireless installation will take 6 days; being proceeded with. W Fwd C&R.Noted.11/16.	
54130	11/21 11/21	NY Dept	T 9812-92	Exciter armature for wireless generator burned out; will take 2 days to replace; Dept. directs both BAILEY & STRINGHAM remain at NY until work is completed and then proceed to Annapolis.W	

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BAILEY WIRELESS TELEGRAPH SYSTEM

3

FILE No.		From or To— (Dated)	Subject.	
36979	4/25	C.O. W	Has condenser tubes; STRINGHAM also. W. (T) to N.Acad.Asks if cond.tubes recd.4/24.	
37040	4/25b	TO Nav.Acad	& STRINGHAM: Directs wireless test between also delivery of wavemeters for use during same.W.	
37952	5/5	Dept	Fwds copy of message to W.T. Stations directing to keep out until BAILEY & STRINGHAM complete tests. W	
39739	5/25 5/26	C.O. Nav.Acad.	& STRINGHAM; Fwds description of wireless set and results of test.W	
39925	5/26	C.O.	Fwds report on wireless tests.W	
40900	6/10	Wireless Spec.AppdCo	GEN.SETS: Reports shipment of special jar rack for 10 jars for used on Board STRINGHAM & BAILEY: W. quotes price.etc	882--1
41468	6/16 6/17	C.O. Nav.Acad/	& STRINGHAm; reports on wireless tests. W	
41448	6/17	TO Exp.Sta.	& STRINGHAM: Reqt test in order to ascertain aerial resistance with the vessel anchored in open water and land-locked. W	

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BAILEY: WIRELESS TELEGRAPH SYSTEM

FILE No.		From or To— (Dated)	Subject.	
32623	2/28	Norf W	Reqt. authority to substitute wooden for steel wireless house. W Fwd. C&R rec. 3/1. R.B. Ref. Dept. via Ord. recomd. 3/4 R.B.3/11 appd. Ret C&R 3/13	
32603	2/28	C.O.	STRINGHAM &; reqt Leyden Jars for To S&A reqt shipment. 2/28	418--6
32794	3/1	C.O.	Reqt. hot wire ammeters for wireless. W To S & A req. shipment 3/4 ; To N.Y. ship 3/4. To Norf. shpt req. 3/4	
33105	3/3	C.O.	& STRINGHAM: reqt hot wire ammeter & resistance box	418--6
34017	3/17	Nav.Academy	& STRINGHAM: no knowledge of dial resistance boxes being forwarded from Bu. Standards.	418--6
34772	3/21	NY Yd GSK 9806	Poulsen wireless telegraph set: hot wire ammeter for; states forwarded to Norfolk prior to receipt of Bureau's letter directing no part of be disposed of; asks if same shall be returned and new ammeter purchased. W Ret -- Should not be ret. - new one need not be purchased. 4/11.	
35643	4/7	Nav.Acad W	& STRINGHAM: no dial resistance boxes on hand. Y	
35723	4/7	TO Nav.Acad	& STRINGHAM: Asks if any more dial resistance boxes on hand. W	
35734	4/8	TO S&A, NY Yd	& STRINGHAM: reqt. shipment of wireless apparatus of ammeters and wavemeters. W	
35889	4/11	TO Nav.Acad & CO	Fwds copy of reqn. for D. Arsonval galvanometer. W	
36253	4/15	To Norf.	STRINGHAM: reqt date of completion of work	418--6
36259	4/15	Norf.	& STRINGHAM: - S - completed B 4/21 W.	418--6

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BAILEY: WIRELESS TELEGRAPH SYSTEM

FILE No.		From or To— (Dated)	Subject.	
29002	1/12	C.O.	Reports status of; states deck insulator on STRINGHAM broke down	
29276	1/17	TO S&A & Norf	AND STRINGHAM; shipment of articles for w.t. outfit from Norf. to New York	
29494	1/15	C.O.	Interference - reports during trial	908
29868	1/23	C.O.	Recommends certain changes in wireless room and position of after mast. To Norf reqst sketch of wireless rooms and masts, & est for sendg & recvg sta. on deck 1/25.	
29944	1-25	To Norf.	& STRINGHAM; request for report on 600 meter test conducted. R.B.2/11	
30503	1/30	C.O.	Asks if any further W.T. tests are to be made W To -- Present W.T. set to be installed in new wireless room 2/10.	
30698	2/1	Nav.Academy	AND STRINGHAM; Fwds report of results of wireless tests conducted between 1/13-21. W	
31124	1/30	Norf.	AND STRINGHAM: changes in wireless installation; submits prints. W Fwd Dept via C&R Rec appr 2/9. R.B.appd 2/20 (T) to Norf.Auth. 2/20. Fwd C&R.To Norf.appd 2/21.	
31298	2/7	Norf. 794	AND STRINGHAM: reports part of wireless installation received; reqt. instruns.W	
31709	2/14	C.O.	Recommends dimensions of wireless room be increased. W Fwd Dept via C&R Recommendations 2/16. R.B.3/2 Ref. Norf. 1/3 R.B.3/15.	

NB—0120

BAILEY: MACHY P:ANT.

1919

Number.	Date.	From or To—	Subject.	
387682	1/21	Dept	Copy of letter to CO directing prepare complete lists of repairs necessary in connection with placing vessel out of commission - A To 3rd Dist. Reqts trans all outstanding job orders to Phila. 2-5. copy to CO Phila comdt Operations and Ind Mgr NY	
402469	3;1	CO	Monthly report of alterations and repairs	Y
418482	5-14 5-14	Phil C&Rp	Submits report of board of investigation Fwd Operations via Ord-Navgn. 5-17	Y
447826	10/24/17	BO	Reports on condition.	
455272	10/10	Bd I&S	Report of material inspection held 10/25/18	Y

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124-8 BAILEY MACHY PLANT. 1921 1919

Number.	Date.	From or To—	Subject.	
563014	5/11	To Washn	Fwds 1 Bundle of machinery plans D	

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1917

BAILEY: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
214490	2-6 2-12	CO C&R	Report of new CO.Y Fwd Dept--2/13	
216635	3-3	CO	Request repairs to feed pump; extension rod main stop valve.Y	
230756	5/28	Dept	May 28th date of completion Y	
265855	12/5	CO	Submits report on condition of machy - Y To C&R-Quotes from CO's letter Dec 5th. 12-10	
272476	1/8	CO	Engineer officers monthly report - fwds - Y	
338204	none	none	submits list of completed items of work on	

NB—0120

N.S.E. Form 134.

BAILEY : MACHY PLANT 124 --8

Number.	Date.	From or To—	Subject.	
342215	8-29	To Bd Inspce and Sur	vey - encloses correspondence in re to inspection of Ship-- Y To Bd of I&S Fwds inform re inspection 10-24	
356289	7;15	3rd Dist.	Rep. on condition of machinery Y	
357253	9/7	CO	Fwds report on condition of - Y	
359249	7/31	—	Report on condition of main engines- boilers- etc - Y	
365995	10-25	Board of Insp.	Material inspection - fwds report To 3rd Nav Dist., Mat'l inspection held, 11-7	
370437	11-19	Dept.	C.T.B.#8 - Directs necessary repairs - no alterations	Y

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[OVER.]

BAILEY: MACHINERY PLANT: GENERAL. 1912

Number.	Date.	From or To—	Subject.	
76504	8/12 8/22	CO Dept.	Reports on condition of vessel and work undertaken including wireless test. Y	
			1913	
99898	6-18	CO	Alterations; reducing valve, feed pump, new feed water heater, refit engine cylinders. Y CO reqt. action 7-8 Fwd Norf. for rec and estimates, 7/31. RB 8-20 To Norf.--Fwd Dept with rec. 8/23. RB 8-29 To-Norf. disappd 8/29	
99838	6/18	Dept	& BIDDLE: available for repairs, Norf.	136--8
100243	6/24	Dept	& BAILEY: gives new dates for completion	123--8
102844	7-31	CO	Submits list of alterations reqt. June 18. Y	
106367	9-23	Norf	Feed water heater; none suitable at east coast yards. Y	
112772	12-11	Reserve Torp Div	Reqt permission to send to Norf for repairs. Y Fwd Dept via C&R. with rec. 12/16. RB 12-30	
113642	12-27	Dept 4812-113	Ordered to Norf for repairs. Y	

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1915

1913

BAILEY: MACHY PLANT. 124-8

Number.	Date.	From or To—	Subject.
158423	6-19	Dept	Repair limit July 1. Y
158835	6-24	Dept	Extends date of completion July 1&
			1916
176160	1-13	Dept	& BIDDLE; directs material inspection Nav ACad Y To Bd I&S--Fwds repair papers. 1/15 Bd I&S returns corres 4-20
176731	1-18	Reserve Torp Flo	Report of fleet board inspection and survey Y
183220	3-23	Bd I&S	Material inspection; fwds report.Y To Dept-- Recommendations; 5/17 RB 5/20 To Norf--Gives action. 5/20
196363	8/4 8/11 Fwd Nav Acad 8/26 RB 9/2	Nav Acad Dept	& BIDDLE; sent to Norf for repairs Aug. 15th.Y Fwd Dept Via C&R--Comments on 8/15 To Norf--Asks if work can be completed by Sept. 20. 8/15 Norf outlines proposed procedure 8-19 Fwd Dept recommendations 8/21 RB 8/25 To Norf (T) appvd 8-24
196390	7/27	Dept	Military inspection; fwds report.Y Retd--Noted. 8/14
197515	8-22	Dept	Repair limit Sept 15. Y
213409	2-1	CO	Request repairs to No 3 boiler, blower engine, furnace doors, stack, air compressor, I-C circuits.Y

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[OVER.]

FILE No.		From or To— (Dated)		Subject.	
30176	1/26 1/27	Norf. C&R	10826-E.70	AND STRINGHAM; authorizes docking ahead of DUBUQUE. Fwd Dept 1-28.	
				1912	
61875	2-21	Bd.I&S	440	Reqt. repair papers.Y To---papers fwd.2/24. returns. 3-2	
61155 61848	2/13 2/21	C&R Dept		& Bagley: directs survey at Academy	123--8
62561	2-29	Bd.I&S	499	Inspection; report of; fwds. Y	
65343	3-28	Norf	1907-1057	Repairs incidental to C&R work.Y To---appd.4/27. Fwd C&R.4/27.	
65417	4/1	Norf.		& BIDDLE, if condition will warrant deferring repairs until after July 1st	136--8
71542	6-15 6-17	CO Norf	3122-335	Overhaul spare armature and steam line to blower. Y	
72253	6-21 6-24	CO Norf	3122-337	Repair gen.sets and ash pans. Y	
74151	7/16	Norf.		BARNEY & BIDDLE: Re dates of completion of repairs.Y Fwd Dept.via Ord.Noted.7/25.	

BAILEY: MAIN ENGINES.

1913

Number.	Date.	From or To—	Subject.
107719	10-11	Norf 3221-337	Reports reboring cylinders. D.
		1914	
119629	3-9	Norf	Main engine throttle valves; submits print of modified. Y
		1918	
308912	5-22	Phone Experimental Sta.	Rqstg the diameter and length of crank pin and main bearing of ship, R
358413	10-16	Phone Comdt 3rd Naval Dist.	Rqst inform of action taken re idler gear Y Phone 3rd Naval Dist, comments on idler gear 10-16
359752	10;18	3rd Dist.	Reports idler gear. reports main engine gives way. Y
363117	10-29	Phone 3d Dist	reports on inspection of main engine gears Y Phone 3rd Dist, approves above 10-30 Phone 3rd Dist, Bureau Reqts gears for Main Egine suspended 11-6 To-- Fears for Main engine, 11-7

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Number.	Date.	From or To—	Subject.	

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BAILEY: MAIN ENGINES: CYLINDERS: ETC.

1

FILE No.		From or To— (Dated)		Subject.	
35019	3/21 3/29	C.O. Norf	1844-2596	Re-babbitt and re-fit reversing gear. Y	
35546	Norf	Norf	1962	Submits increased estimate for repairing reversing gear, port engine. Y.	
36939	4/19	Bailey		PACKING: france: metallic: states does not fit engines, Company have agreed to make over.	693
37398	4/27	Norf	2472	Main engine relief and by-pass; reqt. b/p. D To -- Print fwd.5/3.	
39929	5/29	Norf	3114	Piston; reqt. prints.D To -- Prints fwd.6/1.	
				1912	
				1913	
104615	8-29	Norf	R	Throttle valves unsatis; need new seats; reqt. extension 8 working days. Y (R) To- Norf- time extended 8/29 Fwd Dept.	8/29 RB 9-3
105655	9-11	CO		Main engine throttle valves;reqt. new design be installed.Y Fwd Norf for comment 9-17 RB 10 9 Fwd Dept.rec appr.10/14 RB 10 16 TO Norf appvd TO-16	

NB—0120

BAILEY: BOILERS. 1915

Number.	Date.	From or To—	Subject.	
159068	6-26	Norf	Tube ends of boilers not belled; reqt instructions re belling.Y To--Auth belling of tube ends.5/29	
160861	7-16	Norf	Reports on repairs to boilers completed July 16 Fwd Crd-- For matters under its cog.7/19 RB 7/31	
162085	7/29	Norf	BAILEY; reports on test boiler ~~during~~ #3.Y Orig thru Dept 7/30	
162639	8/4	Norf	No. 3 boiler; reports on second test; shows improvement, but not satisfactory.Y Fwd Dept--Recommendations. 8/6 RB 8/10 To ~~Norf~~ NY--Gives action on. 8/10	
202739	10/17	Norf	# 3 boiler; retubing of; recommends that not be commenced until after Jan., 1917.Y Fwd Dept--10/19	
229128	5/16	NY	Fwds report on condition of boilers 1, 2 & 3 D	
~~259950~~	~~11/10~~	~~NY~~	~~Request print showing arrangement and detail of boiler tubes - D~~	
259906	11-10	Phone NY	Boiler tubes. Lists boiler tubes required by yard for retubing boilers of. Y	

N.S.E. Form 134.

BAILEY: BOILERS. 124 - 10

Number.	Date.	From or To—	Subject.
260602	11/12	NY	No 2 boiler - retubing of; number of tubes reqd - Y
		Phone-Yard report redeipt tubes from Norf. Bu stated to be used in retubing boilers. of. 1-4 & CO	Fwd Dept- and NY-11-16 R N 11/22
		Phone-Directs get in touch with Supply Dept re disposition of tubes 1-5	To- Fwds copy of Dept s 2nd end. 11-23
		T	Norf (T) tubes shipped NY on the 24th - Y
		" o S&A-Reqt shipt boilers	Phone- Bureau stated that had recommended to Dept that boiler be removed. 12-22
		To- " eqts report receipt of tubes listed shipped from Chasn. 1-11	tubes from Chasn to NY. 12-26
			-Phone NY- 12-24 "
			o S&A-Reqt shipt boiler tubed from Norf to NY.12-26
			To S&A-Reqt shipt boiler tubes from Chasn to - NY. 12-31
			o Chasn (T)-Directs prepare for shipt tubes. 12-31
270270	12-29	Chasn T	States boiler tubes are 9' long instead of 16'.Y
334825	8-5	CO	Request that reciprocating blowers be replaced with turbine type - D
			To CO installation not approved, 8-17
342094	8/26	NY	Request plans of cylinder and crank shaft bearings of blower engine - D
			NY Sept. 25 Request vandykes showing detail cylinder
			To Norf. Fwds vandyke prints of plans listed 9-28
			To Norf. 9:28 back 10:5
			To Norf. Rqst above drawings be fwd NY 10-7

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[OVER.]

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BAILEY: BOILERS: ETC

FILE No.		From or To— (Dated)	Subject.	
31224	2/6	C.O.	Reports present automatic installation of ash pan doors unsatisfacotyr; reqt. be removed. Y To -- Removal auth.2/9.	
			1912	
65230	4-2	CO	Reqt. authority to change leads boiler fire extinguisher. D Fwd C&R.Bu considers change advisable.4/4. To---appd.4/13.	RB 4-13
74721	7/30 7/30	CO Norf.	Repairs to blower exhaust pipe.Y	
			1913	
106367	9/23	Norf.	Feed water heater, none suitable at east coast yards	124--8
			1915	
157986	6-14	CO	Reqt repairs to No 3 boiler.Y	
158284	6-17	Dept	Report of board on investigation of bursting of boiler tube. Y Retd--Comments on. 6/18 RB 6/30 Fwd Dept--Noted. 7/1	
158870	6-23	Norf	Estimate for boiler repairs.Y To--(R) Appvs. 6/25	

NB—0120

BAILEY: AUXILIARY MACHINERY.

1912

Number.	Date.	From or To—	Subject.	
No #	11/6	To Naval Acad.	Survey 30: power boat: request type and numver of engine,etc.Y	
No #	11/14	To N.Acad.	Survey 30: gasoline engine 3142: recn should be made for new cylinder:Y	
			1913	
102039	7/22	C&R	Motor dory 923 now on.	611-2
104145	8/20	Norf.	Reports issue of gasoline engine 2166 to motor dory 923	611--2
No #	10/10	To Norf.	Survey 49: disapproves turning Atlantic Engine #3142 into store.Y	
224506	4-24	Fwd To	Directs submit log sheet on boays	611-1
285620	2-25	CO	Anchor engine request repairs. Y Fwd C&R 3-2	

NB—0120

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1922

124-11 BAILEY AUX MACHRY

1913

Number.	Date.	From or To.	Subject.	
612838	3/10	To CO USS BAILEY	Error in Motor sailing launch engine number Ye	611-5

NB—0120

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1916

BAILEY: MAIN CONDENSERS:

Number.	Date.	From or To—	Subject.	
197671	8-24	Norf	Main condensers; recommnds complete retubing of both.Y To--approves action of proceeding with work of completely retubing both condensers 8/26	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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BAILEY: HEATING VENTILATION: & REFRIGERATION SYSTEMS.

FILE No.	From or To— (Dated)	Subject.	
✓ 36300 4/4 4/13	C.O. Norf 2181-3149	Install new steam heaters in officers quarters. Y Fwd C&R 4/18. RB 4-26 app'd Ret Norf. 4/26. RB 5-4	
✓ 51962 10/19 10/19	C.O. Norf 5643-8701	Reqt. installation of heater in wireless room. Y	
		1912	
		1913	

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BAILEY: PIPING SYSTEMS:

FILE No.	From or To— (Dated)	Subject.
30049 1/24	C.O.	Reqt. authority to remove piping from discharge side of aux. pumps in fire rooms to bottom and service blow line; not necessary. To -- apprd 1/30.
35792 4/4 4/6	C.O. Norf 2036-2989	Braze piping.Y
		1912
72412 6-24 6-27	CO Norf 3273-337	Repair suction piping.Y
		1917 1913
251100 9/22	CO	Request permission to connect one of the main feed pumps to sea suction for cooling surfaces of distillers - Y Fwd- 10-4 To NY- Alteration auth. 10-20 Copy to CO

NB—0120

BAILEY: PUMPS.

1915

Number.	Date.	From or To—	Subject.
170292	11-1	CO	Repairs to main feed pump. Y Duplicate 11-1 Fwd Norf-- 11/6 RB 12/9 To Via Nav Acad--Repair request should be sent to Norf. 11/6 Fwd CO--Submit recn for new water end. 12/10 RB 12/22 Fwd NY--12/22 RB 1/3

1917

264523	10/1 12/1	CO C&R	Flushing system - request running water be installed - Y To NY-Reqt inform what size pump is necessary. 12-4 Fwd C&R-12-4 C&R - 12/7 NY 12/13 - Y Phone Ny- 12-26 to S&A- eqt shipt One Blake Duplex pump. t from Phila to NY. 12-26 Phone NY-12-26 To NY- Supply Officer NY 1-26

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Number.	Date.	From or To—	Subject.	

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BAILEY: PROPELLERS: SHAFTING:ETC.

Number.	Date.	From or To—	Subject.
52199	10/24 10/26	C.O. Norf 5774-8865	Main shaft coupling; make bolts.Y
			1912
72236	6-25 6-26	Norf Dept 312-337	Repair stern tube. Y Ret Norf.Asks when work can be next undertaken, and material necessary.6/27.RB 7 12
75466	7/15 8/9 8/10	CO C&R Dept.9812-98 12361-E.140	Stern tubes; asks if condition of other machinery warrants renewing.Y Ret. Dept. condition of other mach. warrants, 8/13 RB 8-19 Ret C&R.8/20.
			1917 1913
256793	10/23	Bd I & S	Fwds quarterly inspection of hull - Y Fwd C&R- 10-27 To NY- In case new propellers are needed you are informed that there are at the Norf Yd one starboard and one port and communicate with bureau and they will be ordered shipped. 10-27 CO--10/30. NY--10/31.Y

N.S.E. Form 134.

BAILEY: PROPELLERS: SHAFTING: ETC. 1913 1917

Number.	Date.	From or To—	Subject.	
270380	12/24 12/29	CO NY	Repairs to main shaft and propellers - Y To NY- Directs that there be no replacements of Zinc plates at this time. 1-5	
272442	1-10	To Norf	Issue of spare propeller. Reqts further information as to where were shipped. and for what purpose. If they were to be installed instructions will be issued for repairs to the old propellers. Y Norf - 1-22 To- reqts report receipt of two spare propellers for the BAILEY shipped to NY Dec. 24th. 1-25	
410094	4:9	Norf.	Reports on checking of propeller pitch	Y

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[OVER.]

BAILEY: VALVES: GENERAL:

Number.	Date.	From or To—	Subject.	
37632	4/22 4/29	C.O. Norf 2523-3519	Reqt. repairs to H.P. relief valve. Y To Norf. apprd 5/3.	
			1912	
			1913	
99898	6/18	C.O	Alterations, reducing valve, feed pump, new feed water heater, refit engine cylinders	124--8
104615	8/29	Norf. R	Throttle valves unsatis.	124--9
119629	3/9	Norf.	Main engine throttle valves; submits print of modified.	124-9

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1913

Number.	Date.	From or To—	Subject.	

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1914

BAILEY: ALLOWANCE.

Number.	Date.	From or To—	Subject.	
123273	4/13	Res Torp Div	Recommends full money allotment be allowed while in ordinary	123-21
			1915	
154830	5-6	S&A	& BARNEY: BIDDLE: reqt full money allotment while on Nav Mil duty. R Retd Via Ord-Nav-- Concur in. 5/13	
			1916	
197123	8-18	Nav Acad	Request authority to transfer certain stores from title A to B. R Ref. S&A 8-22	
204009	10/31	To CO	Add flexible copper steam hose to SE allow. R	
			1917	
230362	5/25	CO	Request allowance book R To--Fwds allow.5/29 To Norf--Fwds allow. 5/29	
244329	8/20	To CO	Fwds allow. RL To Norf--Fwds allow.8/21	

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BAILEY: ALLOWANCE. 124 - 21

Number.	Date.	From or To—	Subject.	
259383	10/30	CO	Electric allowance - request change in	
	11/6	NY	magneto - RA	
		&NY	To- Reat appvd. 11-15	
277644	1/10	CO	Request amendment to allowance list - R	
			To- Gives changes. 2-5	

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BAILEY: AIR COMPRESSOR.

1915

Number.	Date.	From or To—	Subject.	
158303	6-17	CO	Overhaul. Y Fwd Norf-- 6/18 R[B] 7/3	
		1918		
365311	11-1	CO	Repairs to air compressors To-- Repairs to air compressors, 11-7	

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Number.	Date.	From or To—	Subject.	

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BAILEY: GAGES & INSTRUMENTS.

Number.	Date.	From or To—	Subject.	
			1917	
262619	11/22	CO	Asks how many steam gages are allowed - D To- Lists steam gauges auth to turn intostore.11-30	
			1918	
289101	3/6 3/12	CO NY	Install new tacometers - Y Fwd Dept. 3-15 To NY- Eqts disappvd. 3-20	

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Number.	Date.	From or To—	Subject.	

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BAILEY: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
427563	6/1	NY	Record of work 6/2/17 to 6/28/17 - Y	
438282	8/1	3rd Dist	Month of April - Y	
452189	10-1	Marine Basin	Month of July - Y	
476368	2;16	3rd Dis	Month ending October 31st.Y	
479324	3;1	3rd Dis	Month ending November 30th Y	
		1922		
621513	4/1	CO	Quarter ending 3/31/22. Y	

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Number.	Date.	From or To—	Subject.	

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BAILEY: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
374455	6-1	Third Dist.	Month ending May 31 Y	
380544	7-1	Marine Basin	Reports of work for June Y	
380543	12;1	Phila	Monthly reports of work Y	
382076	9;1	T&L DD Co.	Monthly report for JulY Y	
384987	9-1;18	Marine Basin	Monthly report for Aug. Y	

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1919

BAILEY: RECORD OF WORK. 124 - 25

Number.	Date.	From or To—	Subject.	
392927	1/1	3rd Dist	Month ending 10/31/18 - Y	
391588	10/1	3rd Dist	Month ending 9/30 - Y	
402411	???	Submarine Base	Month of Nov. Y	
403070	3;1	Marine Basin	Record of work for Nov. 1918 Y	
414311	4-15	N Y	9-3-17 to 3-25-18 -- Y	
426940	6;1	3rd dist.	Month Feb Y	
433268	4/1	CO	Report for March. Y.	
450528	10-1	3rd Dist.	Quarter ending 6/30. Y	

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BAILEY: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.
108868	10-26	Norf	June 19th Sept 18. Y
			1914
122710	4-15	Norf	Sept 18 to Mch 22.Y
			1915
157777	6-10	Norf	Mch 22 to Mch 14, 1915
			1916
176287	1-14	Nrf	Mch 14 to Aug 17.
			1917
230655	5/28	Norf	9/17/16 to 5/10/17 Y
231841	6/1	NY	May 12 to May 31 Y
231958	6/1	Norf	Sept 16/16 to May 10/17 Y
237417	7/6	NY	June 2nd to June 28th Y

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BAILEY: RECORD OF WORK. 124 - 25

Number.	Date.	From or To—	Subject.	
248599	9/10	NY	July 15th to Sept 3rd - Y	
269205	12/5	CO	F wds list of repairs made by crew - Y	
			1918	
294414	3/26	NY	9/3/17 to 3/25/18 - Y	
306662	5-1	NY	3-25 to 5-1.	
312549	1-1	NY	5-12-17 to 5-31-17	
333063	8-1	3rd Dist	Week ending 7-27	
333064	8-1	3rd Dist	Week ending 7-20	

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BIRMINGHAM: TRIALS. ETC 1916

Number.	Date.	From or To—	Subject.	
192575	6-23	CO	Full power trial; fwds report.F Fwd Dept-- 7/7	
224779	4/22	CO	Request blue prints on standardization trial M To--Gives action taken.4/26	
433543	7-15	CO	Asks if advisable to adhere to steaming curves of Jan 1911 to Dec 1917.	M
492964	4-28	BIRMINGHAM 21	Standard fuel allowance; gives scales showing conditions of old and present operating conditions; F M Fwd Operns 5-15.	
520133	10-1	To Inspr Union (T)	Recomdn in re designation of S 30 in place of S31 for full trials w th ver of surface speed appvd cc Bd I&S	

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Number.	Date.	From or To—	Subject.	

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BIRMINGHAM: TRIALS, MOVEMENTS, etc

1

Number.	Date.	From or To—	Subject.	
41963	6/23	Nav	& Penna: placed in reserve at Boston:	342--2
42774	7/3	Navgn	Placed in reserve Bost. 6/30. Y	
43032	7/7	Dept 28004-1-39	Engrg. competition trials.Y Ret -- Noted.7/14.	
44759	7/27	TO Bowles, Rear Adm.	CHESTER: SALEM: Analysis performance; fwdsD	
55277	12/5	Dept.	Will be assigned to 5th division Atlantic Fleet when placed in full commission: NEW ORLEANS will leave Asiatic Station for U.S. Jan.1st. O&Y	
55201	12/4	Nav	Ordered placed in commission	493
56398	12/16	Nav.	Placed in full commission Boston Dec.15th. ANNAPOLIS placed out of commission Mare Island Dec.16th. O&Y	
			1912	
61699	2/20	Dept	MAINE (Old) assings to attend ceremonies in connection with removal of wreck and bring back remains of men	274--A

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BIRMINGHAM 138--2

Number.	Date.	From or To—	Subject.	
106708	9/29	Dept	Left Phila Oct. 1 for long cruise to Central & South American waters,	774
108565	10-15	CO	Reports on cruise with San Francisco Exp. Commissioners to Cuba, etc. Dept directs investigation of excessive coal consumption.M Fwd Dept. comments. 10/25 RB 10 29 To---quotes Bu's comments to Dept. 10/24. Request report be submitted. 10/29. Ret Dept. 10/29.	
113244	11-25	CO	Makes special report on excessive fuel consumption.M Fwd Dept. 12/26 RB 12 29 To---request similar report from Nov. 18th to date. 12/31.	
		1914		
114093	1-3	CO	Data covering excessive coal consumption.M	
114457	12-27	CO	Reports on South American cruise; commends Engineer force.F Fwd Dept. 1/10.	
119087	2-21	CO	Oil and water consumption; reqt copy of old log books for checking up. M Fwd Phila. fwd log if in possession of CSK 3/6 RB 3 16 ref. Boston 3/16 RB 4 3 Fwd. CO--Books not in Bu. nor Wash Yd. Bu's. copies will be loaned if not found. 4/3 RB 4 15	
137073	10-7	C&R	Curves of effective HP. D	

NB—0120

[OVER.]

BIRMINGHAM: ELEC PLANT?

1919

Number.	Date.	From or To—	Subject.
401360	2/18 3/10	CO C&R	Request change leads of elec. circuits on five inch guns - install soluting battery, etc - L Fwd Operations. 3-15 RB 3.21 To- Changing of leads disappvd. 3-27 copy to C&R and Ordnance.
491529	5-6	To C&R	Deck Winches - Quarterly report of elec PlantL
517353	7/7	To MI	Fwds Annual Report of Elec Plant Data L
654447	12/18 12/20	CO Boston	Request auth to remove electrical matl listed from VIRGINIA for installation on L To Operns- Fwds cc corres 12/28

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

BIRMINGHAM: ELECTRIC PLANT. 1912

Number.	Date.	From or To—	Subject.
84286	11-20 12-2	CO Phila 345-334	Repair elec. telegraph transmitters and searchlight lamps.L. To Phila·appd.12/9.
		1914	~~1913~~
126526	5/30	CO	Miscellaneous electrical repairs.L
126735	5/26	CO	Change location distribution panels fire-rooms; install 4 drop annunciators in fire-room.L To Bost.appd.6/9.
126786	6/4	CO	Overhaul electric wiring.L
135030	9-21	FR	CO reqt Record of Elec Appliances.L To-- 9/24 FR sent to Phila May 17, 1912; have SALEM in office. 9-29 To-- Send SALEM to BRIMINGHAM. 10/5 Fwd CO-- 10/5 roll FR have forwarded to CO 10-7 FR Fwd CO fwds BO copy retained old copy 11-20 roll 27
		1915	
150826	3-22	CO	Elec alterations.L To Bost--Reqt est and rec· 3/29
152668	4-17	Bost	Estimate for installing double receptacle battle circuit, change lighting system, and install watmeters for gen sets.L Fwd Dept-- Recommendations. 4/21 RB 4/23 To--Gives action on. 4/23

NB—0120

N.S.E. Form 134.

BIRMINGHAM: ELEC PLANT. 138-3

19925

Number.	Date.	From or To—	Subject.	
168024	10-1	CO	Install spare panel for fire control switches for magazine lights, run battle circuit for stern light. L Fwd Bost--For estimate 10/16 RB 11/13 To--Disapprvs alterations. 11/19 To Bost--Apprvs recommendations 11/19	
170426	11-3	CO	Install new shaft revolution indicators and alterations to radio inductance, insulators, etc. L Fwd Phila--For comment rec. 11/6 RB 11/26 To Bost--Work authorized. 11/27	
			1916	
183512	3-7	CO	Alterations; fire control telephone system; additional circuits for searchlight; gun firing; replace salvo contact boxes with standard receptacles. L To Bost--For est and rec. 4/3	
			1917	
242025	8/1	CO	Request authority to turn into store search light, blinker set, etc L To Bost--Grants auth. 8/9	
400994	2;18 3;8	CO C&R	Submits recommendations relative to improvement of navigating bridge by installation of general alarm gongs installing switch and receptacles etc L Fwd Operations. 3-20	

1015

NB—0120

[OVER.]

BIRMINGHAM: ELECTRIC PLANT.

FILE No.		From or To— (Dated)	Subject.
33200	3/3	C.O.	Reqt. installation of submarine signal set, make changes in fire control; replace 60" searchlight by 36", and other elec. repairs.L FWD Bost. for est.on certain items 3/9.
35254	3/3 4/1	C.O. C&R 22765-E-244	Est. for repairs to searchlights and wire from time firing device. L Fwd Dept via C&R Rec appr of nec.4/5. RB 4-18 app'd. Fwd Bost. 4/22. RB 5-4
43088	7/3	Bost 4981	Reports estimates for sub. signals, searchlights, and fire control system. L Fwd Dept Rec appr.7/13. RB 7-14 a'ppd Ret -- 7/17. RB 7-24
			1912
67210	4/24	Phila.	Requests electrical tracings.L Fwd Bost.for compliance.4/29. RB 5-14
67399	4-22 4-27	Phila C&R 21611-E/25	Reqt.record of elec.appliances and aux. test requirements.L To Bost.reqst fwd one copy to Phila.5/1. Ret C&R.advising.5/1. No copy record on hand Bost.5-4 To FR.Requests fwd to Phila.5/14. To Phila. FR will furnish.5/14.
72023	6/25	To Bost	& SALEM: directs cancel Job Orders for Installing electric steering gear and helm angle indicator system.L

NB—0120

138-4

BIRMINGHAM INT COM SYSTEM 1922 5

Number.	Date.	From or To—	Subject.	
654523	10/23 12/21	CO C&R	Rqsts repair fire control voice tube system. L. Fwds C&R 12/29	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

BIRMINGHAM: INT COM SYST.

Number.	Date.	From or To—	Subject.	
427914	5;12 6;23	CO C&R	Req. install voice pipe from bridge to radio room Y Fwd C&R. 7-1 C&R 7/9- Copy of ltr to Boston re alterations on voice tubeing. L	
427929	6-12 6-23	Nav C&R	Installn of gyro compass equipment on auth. L Fwd Navgn. copyto Comdt Boston. 6-27 Fwd	
428683	6-27	Phone Gunnery Officer	Broadside Director System. copy to Comdt Boston.L Installation of auth.	
429075	6;27	C&R	Copy of tel. to Boston auth. installation of voice tubes L	
431211	6/28 7/8	Boston C&R	& SALEM- Subm prints showing re-arrangement of fire control instruments and platform instrumenrs. L. C&R- fwds telegram from Boston asking when plans showing arrangement of fire control instruments may be expected. Fwd C&R 7/13	388-4

N.S.E. Form 134.

1919

138-4: BIRMINGHAM: INT COM SYST:

Number.	Date.	From or To—	Subject.
434021	7;16 7;19	CO Boston	Submits report covering boiler time firing firing device installed on.L calling attention to defects in.L To Boston- If job order on time firing device has not been closed it should be transferred to Mare Island. 7-23 Boston-8;14
		1921	
594323	8;12	CO	Submits request for instaln of Vickers broadside director system.L Ord-reqt Bureau comments on Vickers broadside director firing system-11:4-L Fwd Oprns via C&R cc Ordn 11/16 RB 12/16 Y Fwd Ordn 12/20
600			
601098	12/21	To S&A 9388	Reqst shipmt of parts from NY to SO MI L
		1922	
652709	~~11/27~~ 12/7	CO C&R	Rqsts alteration for range finder . Fwds C&R 12/16

4—3381

[OVER.]

BIRMINGHAM. INT COM SYS 1917

Number.	Date.	From or To—	Subject.	
213711	1-29 2-6	NY Ord	Location range finders.L Fwd C&R--Concurs. 2/12	
216596	3/2 3/3	Phila T C&R	& CHESTER & SALEM; broadside fire control; request plans.L Fwd C&R--3/6 To--Fwds Vandyke of Torp Defense salvo system for. 3/6	
223444	4/17	NY	Fire control telephone unsatisfactory operation due to change in ships voltage from 12 to 20 volt system L To--Bu will supply phones recommended.4/26	
225207	4/21 4/26	CO Ord	Alterations to fire control system.L To--4/30 To Bost--Instrns.6/2	
228076	5/13	Bost R	Request authority to turn in telephone switchboards and type boards To--(T)Grants auth. 5/14	
243569	8-11	Bost	Fire control voice tubes; reports on inspection of.L	
249504	8/20	CO	Reports on status of fire control system.L	
270319	12-30	Sims copy p	Recommends director installation for gunboats BIRMINGHAM & CHESTER. L	647-1

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N.S.E. Form 134.

BIRMINGHAM: INT: COM: SYS

Number.	Date.	From or To—	Subject.	
400160	3;3 3;21 4;12	CO CO CO	Change time of firing device L To CO- Inform auth under which the boiler time firing device is being installed. 3-15 RB-5;12 Fwd Comdt Boston. 3-29 copy to CO. R B 4/8 Fwd Comdt Boston- 4-14 copy to CO and CO SALEM. 4-14. RB 5;3 To S&A- Reqt shipt boiler time firing device from CO to NY. 4-15 To S&A-Reqt shipt boiler time firing device from NY to Boston. 5-9 RB-9;-3 RB 8/25 L To S.O. Boston- Action to be taken on shipment order upon receipt of reply to Bureau 6th End. of 4-1st. copy to I.M. Norf. 4-21 Boston-boiler time firing device for-ask what provisions will be made to furnish balance of material not yet shipped-D&Y	
		Fwd I.M.Norf. 4-1-copy RB-4;8-L&Y Boston -4/28-LY To S.O. Boston- ~~Reqtsxexpeditexxxplyxtx~~ Impossible to reply to letters listed until receipt of information from Norf. 5-3		
	SEE 483770-384-10			
424765	6-12	To Boston (T)	Auth granted to install wiring for gyro compass. Use wiring diagram of salem installation. 4	L
425669	6-12	NAVIGATION	Copy ltr to Boston auth installation of gyro compass set on.	L
426105	6-17	C&R	Copy telegram to Boston auth work in conn w installation of gyro compass set.	L

NB—0120

[OVER.]

L2

BIRMINGHAM: INT.COM.SYS 1912

Number.	Date.	From or To—		Subject.
68599	4-19 5-7	CO Phila	345-140-6	Repairs to voice tubes, annunciators,etc.L To Phila.appd.5/15.
				1913
86498	11-15 12-31	CO Phila	345-160	Install new elec. main engine revolution indicators. L. To Phila.appd.1/6.
88477	1-18 1-24	Phila C&R	28251-E.5	Reports on improvement in voice tubes, caused by installation of nose-mouth pieces.L Ret C&R.Larger tube desirable.1/28.
92198	3-8 3-11	CO C&R	28257-E.5	Substitute 3" for 2" voice tubes between bridge and steering engine room.L. Ret C&R.3/13.
				1914
126785	5/26	CO		Overhaul bell circuits.L
137565	10-20	Bost		Cummings engine log system; recommends existing main engine counter gear be removed.Y
				1915
152664	3-14 4-7	CO Bost	3517-35	Repair time firing device.L To Bost-- Appvs 4/20
152759	4/19	C&R		Alterations; fire control voice tube system.L To Via Ord--Recommendations. 4/26 RB 5/20 Fwd C&R-- 5/24

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N. S. E. Form 134.

BIRMINGHAM: INT COM SYS 138-4

1915

Number.	Date.	From or To—	Subject.	
168452	10-12	CO	Reqt addition call bell, circuits, announciators. To Bost--appd 10/18	
170426	11/8	CO	Install new shaft revolution indicators	138-3
			1916	
183513	3-5	CO	Install elec in lieu of mechanical telegraphs in eng and firerooms. L Fwd Dept-- Rec disappvl. 4/4 RB 4/7 To Bost-- Disappvs. 4/7	
185818 VOID	4-22	Bost	Estimate	
185817	4-22	Bost	Estimate for fire control,telephone work.L To-- Gives action on. 4/28	
198012	8-30	To Bost.	J.O. 3p28 for repairs on gun firing and sight lighting battery; cancel order; under Bu Ordnance. Y	
200661	9/30	To Bost.	Fire control systems. Type C fire control phones and wiring in poor condition. Advise repairs necessary.L1 To CO--Ask whether fire control voice tubes installed in accordance with plan. 9/30 CO reports on 10-4 Fwd C&R--Rec system as appvd be instal.10/10 RB 10/31	
206241	11-20	Bost	Fire control telephones and salvo circuits; estimate.L	

NB—0120

[OVER.]

138--4

BIRMINGHAM INTERIOR COMMUNICATIONS

1.

FILE No.		From or To— (Dated)		Subject.	
33200	3/3	C.O.		reqt installation of fire control, etc.	138--3
34897	3/29	TO Boston		& SALEM: finished and elementary wiring plans of fire control system: reqt xprints.L	
35425	4/3	Bost	252-2	Fwds print showing diagram of fire control telephone for salvo circuits.L To -- Desires estimates be prepared.5/6.	
39068	5/15	Bost	44-59	Fire control system; states not brought up to date and recommends changes.L. To -- Instructions.6/13. ~~Fwd Dept via Ord and C&R. Reqst auth.to undertake work at estimates given.6/13. Rec auth for similar work for SALEM. 6/13.~~ To Bost.Work appd 7/12.	
39237	5/18	Bost	3696	Submits estimate for fire control work.L. Fwd Dept via Ord & C&R.Reqst auth.to undertake work.6/13. R.B.apprd 7/14.	
41215	6/14	C&R		& CHESTER: states instructions issued to remove steam steering gear and installation of elec. steering gear, and reqt that indicators be relocated	156--4
43088	7/3	Bost		Reports estimates for submarine signals, searchlights, & fire control system	138--3
43203	7/7	Bost		Voice tube system; asks if to be ov rhauled at present time.L To -- Changes authorized.7/12.	
51656	10/14 10/17	C.O. Bost	VOID 7971	Gages; reqt. repairs VOID	

1912

NB—0120

BIRMINGHAM: LIGHT & POWER

Number.	Date.	From or To—	Subject.
401844	3;11	Boston	CO req. rewire fire and engine rooms lighting circuits ; submits estimate L Fwd Operations. 3-21 RB 3;27 To - Auth only such work as is absolutedy necessary/ 3-31 copy to CO.
421599	5/26	CO	Rqst 36" schlight be converted into high power. L. To - Searchlights to be converted using conversion parts of the Arma Engineering Company. Not probable that parts will be delivered under 60 days. 6-2
422897	5-27 6-2	CO C&R	Rqst relocated 2 36" searchlights - L Fwd C&R. 6-10
459383	11-24	To Comdt Mare Island	Generator Set - Fwds vandykes.L 1920
470199	12;29 1;13	CO Pac Destroyer	Request make necessary switch connections-install resistance,etc for 12 inch signal searchlight.L To CO- Auth to make necessary switch connection. copy to PAC DES & M IS. 1-22
518829	9;10	CO	Lighting circuits-reqt renewal of.L To MI (T) authd 9-24

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N.S.E. Form 134.

BIRMINGHAM LIGHT AND POWER 1 922

Number.	Date.	From or To—	Subject.	
632859	7/13	CO (T)	Request 24 type B batteries be furn. To Norf. CO (T) gives instrns rel batteries cc S&A W	L
MI Local	Reqn 5039	8/24 To MI	~~Searchlight parts for Identification of Stray~~ light shields cc CO L R	
649857	10/26 11/16	CO C&R	Rqsts search light inform rel to main mast L Fwds C&R 11/24 C&R 12/2 Copy action to Boston L	

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[OVER.]

1915

BIRMINGHAM: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
171621	11/17	CO	Reqt flagship lights.L	
	To Bost--(R) Appvs.11/30		Fwd Bost-- For rec and est.11/27 RB 12/6 Bost (R) submits est and reqt auth 11/29	
171633	10/18 11/5	CO Bost	Repair dynamo armature blower motors and install elec control for searchlights.L Fwd Bd I&S--For comment. 11/26 RB 12/6 Fwd Bost 12-14 RB 1/8	
	To NY--Auth manuf of electric controllers. 1/12		To Bost--Disappvs est. 1/12	
173763	12/6 12/13	CO C&R	Reqt authority to turn in searchlight controllers.L TO CO auth 12-14 Fwd C&R 12-14	
			1916	
186127	4-26	CO	Request additional blinker set and Golden Glow signalling searchlight.L To Bost--Appvs. 4/29	
26160	5/1	To NY	Reqt number of searchlights to be issued to BIRMINGHAM be increased from one to two	629
203518	10/14	CO	Reqt lights in flag office; re location after searchlight	138-8
206128	11-16	CO	Request au hority to turn in semiphores. L Fwd C&R--11/25 CO asks if intend to equip with signal searchlight 12/14 Fwd C&R--1/9	
211244	1-11	CO	Request man overboard and breakdown lights be installed by Y ard. L Fwd NY--For est. 1/18 RB 1-25 To NY--Appvs est. 1/27	

N.S.E. Form 134.

BIRMINGHAM: LIGHT & POWER. 138-5

1917

Number.	Date.	From or To—	Subject.	
220547	3-30	CO	Reports satis installation man overboard and breakdown lights.L	
239306	7/16	NY VOID	Dec. 13th/16 to April 7/17 Y	
241780	8-3	To CO	Reqt comment and rec as to installation of 36" searchlight on. BIRMINGHAM - 36 inch light will not overload generating set - 8/17 - L	156-5 156 -5
71-N	4/10	To S&A	Birmingham - ship 36" searchlight from NY to Birmingham L-S	629
N-71	8/24	To CO BIRMINGHAM	Asks if searchlights recd	629
NY 71	10/25	USS BIRMINGHAM	36 inch searchlight recd 7/15	629
401697	3;8	Boston	Copy of let. C&R req. auth. to relocate deck unit. L	

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[OVER.]

BIRMINGHAM: LIGHT & POWER.

1912

Number.	Date.	From or To—	Subject.	
79410	10-1	Bost	Estimate for installing new control coils for searchlights. L.	
84843	11/14	C.O.	Repairs to gen. set, etc.	138--8
84935	12-11 12-12	CO Phila	Night signal set; keyboards; reqt. work be undertaken Phila.L. Ret Phila.appd.12/13.	
85135	12-13 12-14	CO Phila 345-62	Install silk wound coils in pilot motors searchlight control.L Fwd Bost.appd.12/16. ~~RB 12-20~~ RB 12-23	

1913

89745	2-4	CO	Reqt. authority to turn in n.w.t. night signals and wire.L Fwd S&A.appd.2/11.	

1914

115105	1-12	CO	Reqt blinker lights be installed on each fore yardarm to be operated from bridge.L Fwd Phila for comment and est.1/16 RB 2-6 (R)to Phila.mfr and installation appd.2/9	
124413	5/8	To Bost.	Installation of standing lights in bake shop; approved adv.estimates.Y	

N.S.E. Form 134.

BIRMINGHAM: LIGHT & POWER. 138---5 1914

Number.	Date.	From or To—	Subject.	
124821	4/26 5/11	CO Bost.	Install standard lights in bake shop.L To Bost.appd.5/14.	
125733	5/14	CO	Requests extra night signalling set be installed on main mast with keyboard on forward bridge.L TO Bost auth 5-26	
125891	5/14 5/27	CO Dept.	Request additional Ardois set on forward bridge.L	
136955	10/5	BIRMINGHAM	60 blue glass globes ordered by Bu for experimental purposes; asks what experiments to consist of	675
Regn 13	11-5	To CO	Regn 13-15 for 24 special reflectors; disappvs.	
Regn 44	1-7	To NY	1915 Singalling searclight; re fitting out· L-R To Ord-- Reqt telescope be furnished. 1/7	
145083	1/20	NY T	Reqt authority to purchase searchlights in advance of approval; 12" lights	708
159935	6-23 7-8	CO NY	Signal shutters for searchlights.L To NY fwds plans 8/17 NY returns 8-26	
169942	10-27	CO	Reqt authority to turn in seimphores.L Fwd C&R-- F1/2 To--Under cog of C&R. 11/2	

NB—0120

[OVER.]

BIRMINGHAM LIGHT & POWER SYSTEMS, etc

FILE No.	From or To— (Dated)	Subject.	
33200 3/3	C.O.	Reqt installation of submarine signal set, make changes in fire control, replace 60" searchlight by 36" & other elec. repairs	138--3
35254 3/3	C.O.	est. for repairs to searchlights & wire from time firing device	138--3
38662 5/4	C&R	& CHESTER: elec. steering gear: recommended: asks if sufficient elec. power to operate.	156--5
43561 6/29	C.O.	& CHESTER: relative to elec. power fr operating elec. steering gears	156--5
44192 7/15	Hyde Windlass Co	& CHESTER: elec.steering gear. reqt specfs for equipment	156--5
45576 7/24 7/31	C.O. Bost 5745	Repairs to port. vent. set.L Ret Bost. 8/8. BB 8-17 Fwd C&R Noted.8/18.	
46521 8/9	Bost 5981	Searchlight; reqt. authority to repair one in store.L	
55283 11/18	At Flt	& SALEM & CHESTER, installation of elec.steering gear, rel objections. C&R recommendations of installing 100 kw gen.set to replace one 32 kw	156--5

1912

BIRMINGHAM: RADIO

Number.	Date.	From or To—	Subject.
		1920	
505023	7-15	To S&A	Reqst shipmt of radio rec set from Washn to CO W
520290	10-2	To S&A	Reqst shipmt of app from CO to Washn 4631 W. RB-11;4
555742	4/8	To Boston	Reqst be informed if spark set removed from BIRMINGHAM is in store at Boston, available for immediate shipment W RB-4;16-W 896-1
		1921	
583903	8;30	CO	Reqt new radio compass control boxes.W To S&A Reqst shipmt of tube from MI to CO 8747 9/9 To CO Appvd cc MI 9/10 RB-10;24-W CO Gives name plate data 10/21 W. MI- Copy action to CO 11/15 W. CO -Copy action to MI 11/20 W
		1922	
636189	7/18	CO	Acknowledges receipt of monthly radio reports from Engign C. L.Green. W.
636188	7/18	CO	Lists radio reports destroyed. W.

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N.S.E. Form 134.

BIRMINGHAM: RADIO 1922

Number.	Date.	From or To—	Subject.
637799	8/18	To CO	Radio apparatus- Ask dispn made of listed apparatus W CO 9/19 Submits information rqstd. W
647614	10/31	To S&A 1401	Reqst shipment of equipment from Washn to SO Boston W To S&A Reqst shipment of recg equipment from Washn to CO 2244 2/24/23 S&A 8/29 Fwds salmon copy of shipment order W
649456	10/31 11/9	CO Special Service Squad.	Reqts remove variometer from arc transmitter and reinstall charger coils W To CO- disappvd cc spc svcsquad 12/16

BIRMINGHAM: RADIO

Number.	Date.	From or To—	Subject.	
368956	11-14 1;3	W. E. Co. European Forces	Reports receipt of a request from London office for material ordered - Cannot identify W To CO via Sims, comments re radio telegraph equipment for. 12-5 Western Elec. Co. req. reply to letter 11-14 - 12-7 W	
410509	Bost (T) 4:11 4:11 Fwd Operations. 5-6 RB 5/10 To Comdt Boston- Removal of present secondary equipment auth. copy to CO and S.O. Boston. 5-15 Boston 6;19	reqst original amplifier CO 1st Dist. over	shipped be replaced - 7/1 Req. ship be furnished with secondary radio set W Fwd Comdt 1st Dist. 4-17 R B 4/28 Bost (T) request action - 5/5	
406455	3/27	CO	Bost- radio amplifier recd- at Yd 4/11 for BIRMINGHAM - 4/12.	
416293	5-8	To Comdt Boston	Radio Apparatus for/Lists material auth to Install copy to S.O. Boston and CO Rowan. W	
416877	5-1 5-7 Fwd C&R. copy to CO. 5-15 Fwd C&R. 10-30	CO C&R	Rec main mast be removed and light spar installed - W C&R 10-18 Fwds print showing proposed stub main mast. Fwd Operations. 10-22 RB-10;27	
421538	5-26 5-27 To CO) Reqts disappvd. copy to comdr Destroyer Force. 7-2	CO Boston	Rqst auth to turn in buzzer instruction set - W Fwd Comdr Des Force. 6-5 copy to CO. W	RB 6/23

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N.S.E. Form 134.

138 - 6 BIRMINGHAM: RADIO 1919

Number.	Date.	From or To—		Subject.
421889	5-31	To S&A		Reqt shipt medium wave receiver from Wash CO. W RB 6;9
410509	7-3	SEE OVER		To Comdt Boston- Lists radio paparatus auth for installation on. copy to CO and S.O. Boston. W
437085	8/2	Boston		Fwds radio compass calibration curves for 342-6 PITTSBURGH & BIRMINGHAM - W.
			1920	
473990	1;3	Pac Flt	copy	Recommends masts and rigging be rearranged and cut down-will have no effect on radio.W Dept-copy of action to Pac Flt-2;9
475876	2;13	CO	T	Request authority to install radio apparatus on during present overhaul.W To CO and M Is(T)-Issue radio motor buzzer transmitter and two step amplifier 2-17
477991	2/10 2/19	CO M Is		Reqst authority to turn in antenna transfer switch - W. To M Is- Auth removal of switch and return to store. 2-28 copy to CO.

4—3381

[OVER.]

1916

BIRMINGHMA: RADIO.

Number.	Date.	From or To—	Subject.	
205725	11/16	To CO	Lists radio apparatus to be transferred from BIRMINGHAM to WASHINGTON	474-6
208160	12/12	To S&A	Reqt shipt of wave meter from BIRMINGHAM to Wash for disposition. W	
208838	12/16	Bost R	Recommends BIRMINGHAM' s Kolster meter be installed on SEATTLE	919
211301	1-12	TO S&A and	Asks shipment radio app to NY for. Forts Bost reports disposition of Kolster meters at yard 1/15 Fwd S&A 2/21	
212656	1-26	NY	Request authority to cancel JO installing Marconi direction finder.W. To--Grants auth to cancel. 1/27 NY have cancelled job order 2/6	
228385	5/14	CO	Request loan of description of radio installation W To--Fwds.5/29 R B 6/12 W	
295174	4-4	European Force	BIRMINGHAM-remove top mast--fwds correspondence (2 letters)	

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N.S.E. Form 134.

BIRMINGHAM: RADIO.

Number.	Date.	From or To—	Subject.	
232348	6/5	CO	Install new waive changes W	
235194	6/25	To CO NSE 25-B and Bu	records differ. Reqt further infor. W CO - states tikker detector is transferred to the SEATTLE 7/15 W	
238890	7/18	To S&A	Reqt shipt of wave meter from Wash to Bost for. W	
24 0903	7/27	Bost R	Request authority to issue impedence coil.W To--7/28 To--(T) Grants auth.7/28	
257932	11-1	To S&A	Reqt shipt one type CAM radio buzzer instruction set from Wash to. W	
56 296968	4-12	To S&A	Reqt shipt one high tension antenna switch from Boston to CO. 4-12 To Reqt shipt one 5 kw blower cool radio quenche spark gap from NY to CO. 4-12 To Queenstown, Rqst informre receipt of radio 9-20	

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[OVER.]

BIRMINGHAM: RADIO

1915

Number.	Date.	From or To—	Subject.	
172460	11-27	C&R	Upper radio station; fwds plan.W Retd--Appvs. 11/30	
174020	12/16	To CO	Advises of wave length of receiving equipment; reqt data on radio receivers now onboard.W	
174621	12/22	CO	Gives description of radio receivers on board.W	
174711	12-27	To Bost. (R)	Has test of new arc radio installation been satisfactorily completed. W Bost (R) 1/3--12/27	
175053	12-30	Bost R	Antennae switch unsatis; reqt permission to issue switch exVA. W To--(R) Authorized. 12/31	
174999	1-11	BURROWS	Fessenden wave changing coils turned over to	145-6
			1916	
176774 VOID	1-19	NY	Fwds progress cards.W	
176775	1-19	Bost	& NEBR; 15 kw arc set; fwds photofraphs and so forth of installation.W	
178401	1-29	CO	Reqt auxiliary antennae.W Fwd Bost Via C&R--Submit est for· 2/9 RB 2/24 To Bost-- Appvs est. 2/26	

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138 -- 6 BIRMINGHAM: RADIO:

Number.	Date.	From or To—	Subject.	
179566	2-19	To CO.	Bellini-Tosi direction finding apparatus; asks disposition of. W	
181720	3/15	Ord	Fwds report from BIRMINGHAM on test of the effect of high frequency constant oscillations of a high powered arc transmitter on electrical primers	876
183329	3-24	Bost	Auxiliary antennae; submits estimate. W Fwd C&R--- Have appvd estimates. 4/5 To-- Appvs. 4/5	
184772	4/1 4/12	CO Bost	Auxiliary antennae, relative to. W To Bost--Appvs alterations to. 4/17	
187248	?	Lavender, L t · R· A.	Reports on test of directionfinder on BIRMINGHAM	898
192422	7-3	To Bost. (R)	Reqt drawings and photographs of arc and spark installations. W	
193119	7/7	Bost	Radio drawings and photos of radio installation	156-6
202731	10/19	To C&R	Reqt shipt of one Kolster meter from Phila to Bost for BIRMINGHAM	919
203625	10-26 10	Bost R	Direction finder; est for installation. L To--(T) Est appvd. 10/27	

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[OVER.]

BIRMINGHAM: RADIO.

1914

Number.	Date.	From or To—	Subject.	
130523	7/21	Chasn	Reports on radio set ex-BIRMINGHAM	807
13 0534	7/22	To Narr Bay	CHARLESTON RADIO STA: spare relay key of 10-kw set ex-BIRMINGHAM; asks if received with set	807
132572	8/20	To CO	Asks if permission was granted to Mr. Chadbourne to go on board to inspect radio.	876
		1915		
143690	1-5	CO R	& DIXIE: reqt portable radio set before sailing. W CO (R) ship to Bost 1-7 To--(R) Sets shipped express today to Bost. 1/7 To--Have reqtd shipment from Wash. 1/7 To Wash--Old set removed will be shipped to Yd for further disposition. 1/7 RB 5-28 To S&A--Reqt for shipment. 1/7 To--(R) Asks address for shipment. 1/7 CO portable set transferred to PANTHER	1-17
146365	1-26	BIRMINGHAM	Lowenstein radio set; reqt list of spare parts for. W To--Refers to Allowance list for. 2/6	
148264	2-26	To CO.	Kolster decremeter; asks if one on board. W RB 3/29	
162197	7/23	CO	Reqt ultra audion receiver. W To--Fwds copy of shipping reqt. 8/4	
162537	84	To S&A.	Reqt shipment of audion detector from Wash to ship. W. See 162197-138-6. To CO--Asks if amplifier is now on board. 5/25 CO recd Aug 1915, 5-31-15	
6 reqn	8/19	To CO	Transformers: Bu does not desire use in addition to the combined audion amplifier. WR	

N.S.E. Form 134.

BIRMINGHAM: RADIO 138-6

Number.	Date.	From or To—	Subject.	
167369	9-30	Bost	Upper radio station; will take up location of on return of vessel.W Fwd C&R-- Comments on. 10/5 RB 10/25 Fwd C&R--10/25	
167474	10-4	Bost	& NEBRASKA; reqt instructions re installing upper deck arc radio station.W To--Plans now under preparation.10/9 To NY--Fwds copy above. 10/9	
168051	10-12	To S&A.	Reqt shipment of radio set from NY to Bost. W	
168954	10/21	To NY R	Asks status radio 15 kw arc set for	876
169130	1023	To N.Y.	3rd 15 K.W. arc set assigned to	308-6
169712	10-26	CO	Reqt additional copi s of "Commercial Traffic Regulations".W Fwd Rad Ser--10/30	
170426	11/3	CO	Radio alterations	138-3
171246	11-15	To Bost.	Audibility meters; auth transfer of meter recently assinged to Radio Lab to ship. W	
171941	11/19	Bost	& NEBRASKA; upper deck arc radio stations; fwds plans.W To--(R)Cannot 15 K.W. motor generator be located in arc room if soudproof bulkhead remain as now. 11/23 Bost (R) Replies· 11/24 Fwd Bost Via C&R--Appvs arrangement.11/24 RB 12/6 To--(R)Submit estimates for. 11/30 Bost (R) submits estimate (R) 12-2	
		To--(R)Gives proposed arrangement. 12/1 To--(R) Appvs est for. 12/3		

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[OVER.]

Number.	Date.	From or To—	Subject.	
111129	11/124	To Chas.	CHARLESTON Sta: proposed installation of one of 10-Kw sets to be removed from.	807
111130	11/24	To NY	NEW YORK Sta. do	823
111952	11/14	Birmingham	reports receipt of weather and time reports from ARLINGTON station off coast Brazil.	892
		1914		
114108	1-2	At Torp Flt	Reqt addition to radio installation before assignment as flag ship Torp Flo. W Fwd Dept. installation urgently needed; 5-kw set at NY. 1/5. RB 1 7	
114135	1/3	To NY T	Asks if one 5-kw Lowenstein set, cont. 231, will be available for shipment Phila before 10th inst. W	
114164	1-5	NY T	5 kw Lowenstein set practically completed; ship by 10th. W	can
114307	1-7	Phila R	Reqt. authority to mfg metal spreaders for aerial. W To---appd: shipment of 5-kw set from NY has been requested. 1/8 To---& S&A. request shipment 10-kw set to Chas. 1/14	
	Phila To Chas.	will ship 2-2 shipment made. 2/3		
114306	1/7	To NY & S&A	5-kw set; instructions for shipment, contract 231. To S&A reqst shipment of set NY to Phila. 1/20	876
114517	1/9	To CO.	10-kw set; asks if any b/ps on board of set now installed. W CO no prints 1-12	

N.S.E. Form 134.

BIRMINGHAM 138--6

1914

Number.	Date.	From or To—	Subject.	
115180	1/12	Phila	Recommends installed in upper radio room.	384--6
115485	1/20	To Phila. R	Radio set; shipment from NY will be expedited.W Phila 1/20 (R) NY states 5-kw set still under test; installation doubtful.W (T)to NY. ship set assigned NEW JERSEY.1/20. NY 1/20 (T) Lowenstein set will be shipped.W To dept.reqt auth.to auth.Phila.to carry out work.1/21 To Phila. fwds instructions and prints.1/21. (R)to Phila.shipt work authorized.1/23.	
115561	1-20	NY 322-855	Lowenstein radio outfit; under inspection; ready for shipment 21st; fwds instructions for use. W	
115989	1-21	Phila	Protective appliances for; fwds corres from Westinghouse Elec. relative prices.W Fwd S&A.comments as to price.1/28.	
121391	4/2	To CO via At·Torp.Flo.	Description of Radio; returns N.S.E.form 25-B for correction.W	
122864	4-16	Phila 341-357	Reports shortage of transmitting key from material removed from.W	
128952	6-26	CO	Reqt improved portable radio set.W To---via At Torp.Flo.no sets available; reqn prepared for 35. 7/3.	

NB--0120

[OVER.]

BIRMINGHAM: WIRELESS TELEGRAPH. 1912

Number.	Date.	From or To—	Subject.	
70942	5-3 6-10	CO Phila 3345-140-5	Reqt. alterations.W Fwd Dept via C&R.rec appr.6/12 R.B.6-20 Appd To CO.appd.6/21. To Phila.appd.6/21.	
79624	9-26	CO	Reqt. repairs to relay key; advance copy.W R.B 10-10 To CO appvd. 10-7 Fwd Dept	10-7
80669	9-25 10-17	CO Phila 345-357-6	Repair relay keys. W.	
85051	12/12	Nat.E.S.Co.	ARLINGTON: report on condition of apparatus on BIRMINGHAM & SALEM in connection with test of ARLINGTON cont.	841
85102	12/14	To Dept	ARLINGTON, asks as to availability of SALEM &, about Feb.1st, 1913, in connection with tests required by contract.	841
85982	12/24	Dept.	ARLINGTON: tests; cannot spare vessel.	841

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N.S.E. Form 134.

BIRMINGHAM: RADIO 138-6

Number.	Date.	From or To—	Subject.	
86802	12-31	CO	Description. W.	
90448	2-24 2-27	Phila Dept 26420-44	Reqt. in installation of radio outfit for ice patrol duty. W. To Phila.directs place set in serviceable condition by Mar.20th.3/5. Ret Dept.3/5.	
93531	3/24	Phila	Estimate for placing radio set in serviceable condition.W To-- appd 3/28	
93752	3/28	Nat. Elec. Sig. Co.	Heterodyne receiving apparatus, reqt instructions re point of delivery for BIRMINGHAM Completes order for ARLINGTON And Scouts.	841
94774	4/11	To Dept	Reqt permission to transfer radio sets, from Salem & Birmingham to NY & Chas. 10 Kw sets too powerful	384--6
98660	5-15 5-24	CO Phila 345-357-6	Reqt. new receivers. W Fwd Phila.for more information re condition and possibility of repairs.6/4. To CO via Phila.& S&A.request shipment from NY of two receivers.6/11.	RB 6-11
102124	7-14 7-22	CO Dept	Submits report on responsibility for missing radio shunt.W Fwd S&A.7/28.	

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BIRMINGHAM WIRLESS TELEGRAPH SETS.

FILE No.		From or To— (Dated)	Subject.	
28568	12/20	Boston	SIGNALS, sub. & CHESTER: have been delivered and requests auth. to make payment	711--3
28619	1/6	Nation Elec. Sig.Co	AND SALEM; wireless tests; requests definite report on distance attained To -- giving infor.at hand 1/14.	
43626	7/7	Birmingham	FOG SIGNALS: suggestions for arranging spark gaps of wireless to enable estimate of distance from other vessels in fogs.	912
53712	11/15	C.O.	Reqt. authority to turn in parts of Fessenden wireless set. W To---Not desired to replace receiver now in use.11/21. To S&A.Reqst shipment of two condensers to NY.11/21. To NY-Overhaul two compressed air condensers for shipment to Colon.12/11. To S&A-Reqt order for shipt.	12/11.
54658	11/27 11/27	C.O. S&A 112-570	Fessenden apparatus; states not on charge, and requests status of.W Ret S&A-Rec.take up on books at $10,000.	12/6.
69008	5/17	To Phila.& S&A.	Radio set; reqst shipment of one pack.radio set Washn'Yd to Phila. Directs yard issue necessary extra aerial wire.W (T)to Newpt Nav.Sta.Asks if portable set was received by ship.5/20.	
69246	5-20	CO T	Portable wireless set received.W	
69351	5-20	Phila 345-357-5	Reports on adjusting of radio set and furnishing wire for aerial.W	

For Misc. and unnumbered reports on test of APPARATUS by BIRMINGHAM see 27953- misc.1910

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BIRMINGHAM: SIGNALS, submarine

Number.	Date.	From or To—	Subject.	
43088	7/3	Boston	Reports estimates for sub? signals, etc	138--3
47177	8/24	Sub.Sig.Co.	Fwds bill for. L To C.O.Request report on results obtained. 8/26.	
47497	8/29	C.O.	No trial made on.L	
			1912	
57779	1/5	To	SIGNALS, final payment of sets, reqt advice when test has been successfully completed	711--3
60713	1/30	Birmingham	SIGNALS: have made no particular test: heard at distance of 8 miles	711--3
67567	4/6	Bost	SIGNALS: reqn 61, test not yet made, re payments for	711--3
			1913	

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BIRMINGHAM: SUB SIG 138-7 1917

Number.	Date.	From or To—	Subject.	
217204	3-6	Sub Sig	Report of inspection.L Fwd CO--4/3 RB 4-7 To Wash--Rec payment of attached bills.	4/10
404087	3/17	Submarine Signal Co.	& BIRMINGHAM- inspection report on Submarine signal apparatus - L.	79-0-7

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[OVER.]

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BIRMINGHAM MACHY PLANT 1922 11

Number.	Date.	From or To—	Subject.	
655059	no date	Board I&S	Report of material inspection ending Dec. 12	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

BIRMINGHAM MACHY PLANT 1922

Number.	Date.	From or To—	Subject.
637886	8/15	Dept	Copy of telegram to Spec Ser Sqn directing BIRMINGHAM be in New Orleans Oct. 16. Y
640764	6/25 9/7	CO Dept	Submits report on material readiness Y Fwds perns via rdn-C&R 9/15
643051	9/28	To S&A	1152 Reqst shipment of material from MI To CO IM To Comdr Spec. Svc. Squad BIRMINGHAM- Reqsts inform rel Plan 9/30 RB 10/24 R To CO Ask if shipment recd 1/17 RB 1/26/23 Y To CO- Ask if shipment recd 1/26/23 RB 3/3 Y Fwds CO - Fwds dup copies of shipment order 1152 3/8/23 RB 4/3/23 Y
648270	8/16 11/3	San Domingo C&R	Annual report of inspection Y Fwds Operns via rdn-Navign-S&A- Med & Surgy- Maj Gen Comdt Marine Corps 11/13

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BIRMINGHAM MACHY PLANT 1922

Number.	Date.	From or To—	Subject.
648680	9/25 11/7	CO C&R	Submits report on. Y Fwds Operns via Ordn 11/23
649923	11/16	Dept Copy T	Special Squadron directing vessel visit New York in route to Boston Y
651849	12/1	Dept	Instructions in conn with holding material inspection Y To Pd I&S-- Fwds corres. 12/6 RB 12/30 Y
652418	12/5	Boston	Copy Vessel arrived at Yard D
652911	12/5	CO	Submits list of repairs to be under taken by ship's force while at yard Y

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[OVER.]

BIRMINGHAM MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.
604087	12/22 1/11	Pacf.Fleet C&R	Report on inspection. Y Fwd Cperns via Navign-S&A Med & Surgy-Ordn 1/27
607212	1/23 1/30	CO C&R	Report on material readiness. Y Fwd Cperns cc CO-TT 2/9
609729	2/14	Dept	Copy of telegram to Pacf.Fleet directing vessel proceed as duty flag ship to Commander Special Serv.Sqd. Y
611660	2/27	15th Dist. Copy	Vessel reported as flag ship of squadron. Y
612349	3/4	Dept	Home yard of vessel changed from MI to Boston. Y To MI- Gives instrns. cc Boston CO 3/9

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BIRMINGHAM MACHRY PLANT 1222

Number.	Date.	From or To—	Subject.
612914	3/8	C&R	Copy of letter to MI directing transfer outstanding job orders etc to Boston. Y
614472	2/17 3/18	Pacf. Fleet C&R	Subm report on inspection. Y Fwds Oper'ns via Ordn-S&A- Med & Surgy-Navigh- Maj Gen Comdt U S Marine Corp 3/30
615700	3/27	C&R	Copy of letter to 15th Dist authorizing docking about May 1 Y
616320	3/27	C&R	Copy of letter to 15th Dist. auth docking. Y
617129	4/5	Dept	Copy of telegram to 15th Dist making vessel available for docking Y

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[OVER.]

BIRMINGHAM: MACHY PLANT.

1919

Number.	Date.	From or To—	Subject.	
397437	2/21	Dept	Copy of telegram to Bost directing submit recommendation date of completion - work on-Y	
400921	3;6	CO	Req. rebabbit spare main bearing brasses repair saws mills etc Y	
436108	7-28	Boston	Copy of ltr to Mare Isl transferring outstanding job orders.	Y
454488	10-?	? ?	List of patterns transfd from Bost to Mare Is.	
			-1920-	
471007	1/21	Pacific Flt Copy	Recommends vessel be available for overhaul at M Is beginning 2/9 - Y Dept-copy of action to Pac Flt-1:22 Dept - copy of action to Pacific Flt - 1/26 M IS-copy-repairs will be completed Mar 2-2;13	
470483	1/19	Dept	Copy of telegram to Pac Flt stating ample space at Pearl Harbor to dock BROOKLYN BIRMINGHAM & MELVILLE A	494

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138-8: BIRMINGHAM: MACHY PLANT:

Number.	Date.	From or To—	Subject.
471751	1;24	Pac Flt copy	4 weeks approximately needed for overhaul of BIRMINGHAM & SALEM.A
511381	8-13	To C&R	Reqst copy of revised booklet plans of BIRMINGHAM CHESTER and SALEM. D C&R-fwds booklet, plans vessels listed-8;18-D
515010	9;1	M IS P T	Lists major repairs necessary.Y To M1 (T) Reqst have conf CO and elm as much work as ppac 9-2
533428	11;29	CO	Request prints listed be renewed.D To CO Fwds Plans 12-9
566562	5/27	Pacf· leet	over haul deferred until 7/1. A.
575283	6;11 7;15	Naval Militia NY Dept	Submits report of insp n.Y
587775	8;1 9;21 9;28	CO Pac Flt Dept	Report on matl readiness.Y Fwd Operns via Ordn C&R 10/4
588355	9;21 9;30	Pac Flt C&R	Submits report of inspn.Y Fwd Operns 10/8
593949	9;23 11;2	CO Ord	Submits report on matl readiness.Y Fwd Operns via C&R 11/17

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1918

BIRMINGHAM: MACHY PLANT.

Number.	Date.	From or To—	Subject.
312162	5/8	CO	Submits report on post repair trial taken 5/6 - Y
317526	6;6 6;13	Inspr Brooklyn Inspr FR	Inspr B & W reqts proper disposition of blue prints for Birmingham and Salem. 6;15 To Inspr Bayonne, Plans referred to rqstd by Brook, 6-21 To Inspr Brook, re above plans, 6-21
354387	9-6	CO	Fwds report of new CO Y Fwd Dept, 10-4
377757	12-17	Fwd. SecNav	Recom. that repairs be author. providg. vessel is to remain in service R B 12;20

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N.S.E. Form 134.

BIRMINGHAM: MACHY PLANT. 138 - 8

Number.	Date.	From or To—	Subject.
394564	2/12	Operations	Assigned as flotilla flag ship Destroyer Force - directs be refitted Bost - A Fleet Sub Base - 2/21
396397	2;18	CO	Install forced lubrication system for forced draft blowers ; install valve steam and aux suction line D Fwd Operations. 3-6 B3 3;10 To Boston- Reqts disappvd by Dept. 3-11 copy to CO
2292	2/18	Phone Fleet Supp Base	Compressor cy;inder BIRMINGHAM re to instructions that mtrl be completed the promised date of delivery being before 2/10 Y 629
9 294863	2-20 3;14	To S&A SEE CARD 6 S&A	Shipt of valve gear- Reqts take action to return material from abroad . A advise. 2-20 Copy to Boston ,CO, Naval Base #9 Shipment order May 11 back 3;31;19 To CO 1;14;19 R B 3;6;19
397050	2;18 ???? ???	CO Boston Boston	Req. retube main condensers examine stern tube and strut bearing etc. Y To Boston- Gives detail comment and recommendations re repairs. 2-27 copy to CO and Operations. 2-27
396992	2/21	Dept	Copy of telegram to Bost directing submit recommendation of date of completion covering urgent necessary work - Y Bost - copy - recommends date of completion 6/1 - 2/22 - Y Dept - available for repairs NY 6/1 - 2/25

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[OVER.]

BIRMINGHAM: MACHY PLANT. 1916

Number.	Date.	From or To—	Subject.
182675	3-17 3-17	CO At ToropnFlt	Engine and boilers; states ships force has placed in better condition at end of cruise than were on departure from Bost Yd/ will be ready to begin cruising May 15. Y Fwd Dept Via Nav--Noted. 3/27
183397	3-21	CO	Reports changes made in machinery.Y Fwd C&R--Comments on. 4/13 RB 4/20 To--Gives action on. 4/13
184411	4-9	CO	List of work to be done by ships force.Y
186860	4-14	Deot	Military inspection Y Fwd Dept-- Noted. 5/9 To CO--Re defects in voice tube system.5/9
188208	5-15	CO	Fwds corres on fire control voice tubing.L
203518	10-14	CO 13-5	Reqt radiators, lights in flag office; re location after searchlights.L Fwd C&R--11/14 RB 11/17 To--Work not auth. 11/17
207731	12-1	Dept	Military inspection. Y Fwd Dept via Ord S&A M&S--12/14
208273	12/11	Dept	& ILLINOIS; to be overhauled at NY in lieu of Phila; transfer job orders, etc.Y

N.S.E. Form 134.

BIRMINGHAM: MACHY PLANT. 138-8

1917

Number.	Date.	From or To—	Subject.
213017	1-29	Dept	Repair limit May 5
221292	4/5	CO	Report of new CO.Y Fwd Dept via C&R--4/7
9 294863	3-13	CO F To US.European forces (T)-Refer Letter 3//3. Item 3 auth to be undertaken abroad? No material will be shipped for this item as indicated Buseng despatch 4/13. 4-30 To Boston- Reqts work of mfg'g Boston design valve gear for 6 oil pumps be expedited. and inform probable date of completin. 4-30 Boston - Y& D 5-7 To S&A-Reqt shipt Boston design valve gear from Boston to CO/ 5-11 To Boston, Re expediting shipmt of valve gear, 6-11 S&A - Copy of letter to Boston directing ship material by express to NY. 6-14 Fwd S&A 6-21 To Boston, Rqst expediting work on valve gears and castings for pumps 7-30 Bost - 8/16 To NY, rqst inform re del of valve gears and castings for pumps, 8-23 To Boston, re mfg of valve gears and castings for pumps 9-10 To CO, re shipmt of valve gear 9-12 Boston 9-14 D Boston 9-14 To NY 10-29 NB 10-30	Request alterations Bureau type in lieu of Crowley type valve gear on oil pumps furnished -- and spark gap - modify radio governor switch, lighting switch, install bridge gages and radio direction finder. Y Sims #6279 IL 6210 - Six oil pumps correct-five Corley and one Boston - requests all be changed to Boston type valve gear. Y 4-9 To(T)-Are 6 oil pumps correct. Records show two. What meaning of Bureau type valve gear. 4-6 To Boston (T)-Proceed at once mfg 6 new Boston yard valve gears for lubricating oil pumps. 4-15 To Sims--(T)Gives action on items. 4/16 To Bost--Directs manuf design valve gear for six oil pumps of. 4/16 Bost Yd - 4/24 To CO- asks re shipment 1-14-19 Bost - 6/19 S&A - copy of action taken - 6/21 Bosy - 8/6 Card 7
299766	4-13	CO	Repairs required to main engines - jacking engines, thrust bearings, piping, pumps, feed heaters, forced draft blowers, distillers, generating sets. Y

Card 7

NB—0120

[OVER.]

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BIRMINGHAM: MACHY PLANT.

Number.	Date.	From or To—	Subject.
163447	7-24 8-10	CO Bost	Repairs to ice machine, machine tools, gen sets, pumps, main engines, piping, blowers. Fwd Dept appd 8/17 RB appd 8/20 Fwd Bost 8-20 To Bost--Reqt return of corres.9/9 RB 9/21
165341	8-31	CO	Repairs: fwds protest from vessel against ships force doing certain work.Y Fwd Dept--Rec yard be auth to perform work. 9/21 RB 9/24 To Bost--Work authorized. 9/24 Fwd Bost--10/5
167300	9-30	Bost	States unless definite plans are received for reserve oil tanks and fire brick is delivered for boilers, cannot complete within time limit.Y Fwd Dept-- Recommendations.10/5 RB 10/7 Fwd Bost--10/7 RB 10/14
167632	10-6	Dept	Repair limit extended Dec 31 To Bd I&S--Fwds repair papers on. 11/10
167672	10-6	Dept	Directs material inspection Bot Yard.Y Bd I&S returns papers 11-30
167894	10-1 10-7	CO Bost	Reqt Lend Asst JO for assisting ships force. To Bost--Appvs. 10/11
168026	10-1	CO	Alterations to reversing main stop valves, install connection between flushing system, and distiller discharge.Y Fwd Dept--rec disappvl 10/18 RB 10/22 To-- Disappvs 10/22
168485	10-6	CO	CO states repair period allowed Bost Nov 1 to 30 insufficient to make repairs to steam piping, boilers, oil tank, main condensers; recommends time be extended to Jan 1 Fwd Dept 10/21 RB 10/23 Fwd Bost--10/25 RB 11/3

NB—0120

N.S.E. Form 134.

BIRMINGHAM: MACHY PLANT. 138-8

Number.	Date.	From or To—	Subject.
169692	10-28	Dept	Hull inspection. Y Fwd C&R--Noted. 10/29
170043	11-2 11-2	Bost T Dept	Bd Inspection not due until 15th; reqt auth to proceed with auth repairs. Fwd Dept-- Rec appvl 11/2 RB 11/4
171251	11-16	To Foster Eng Co.	Reqt prints showing pump governor as at present installed on main feed pump as proposed for ash ejector pumps. D To NY--Reqt for print. 11/16
171709	~~11/18~~ 11/19	Bost T Dept	Asks what work is approved of that recommended by Board; will require additional funds if work is to be completed by Jan. 1st. Y
171895	11/20	Bost T	Authorized work under wat; report of Bd Inspection not yet received; are preparing estimates based on yard members of Board. Y Fwd Dept Via C&R-- Noted. 11/23 ~~RB 11/27~~
172278	11-15	Bd I&S	Material inspection. Y
172444	11-23	Bost	Report of board survey and estimates in advance of report of board inspection. Y To--Noted. 12/1 Bost reqt auth proceed with work 1 2-10 To--(R) Disappvs. 12/10
173297	12-4	Bost	Report of board survey and estimates. Y Fwd Dept--Recommendations. 12/10 RB 12/13 To-- Gives action onl 12/13
173365	11-24 12-7	CO Dept	Report of new CO. Fwd Dept Via Ord-Nav-S&A-M&S--Noted. 12/10

NB—0120

[OVER.]

BIRMINGHAM: MACHY PLANT. 1914

Number.	Date.	From or To—	Subject.
129970	7/15	Dept.	Directs inspection at Boston July 20.Y
130031	7/16	Bd I&S	Request repair papers.Y TO -- fwds 7-17 Bd I&S returns 7-27
130061	6/20	CO	Overhaul dynamo engines and ice machines.Y
130626	7/23	To Bost.	Material inspection; directs proceed with repairs in advance of estimates.Y
130698	7-28	Bd I&S	Material inspection;fwds.Y
131329	8-1	Dept	Repair limit extended to Nov 1st.Y
131752	8-5 8-7	Bost Dept	& CHESTER: reports work necessary before ready for sea; particularly minimum work on turbines of CHESTER.Y Fwd Dept.with rec.8/7
131937	8-6	Bost	Report of bd survey and estimates.L Fwd Dept.reqst appr certain items.8/10. RB 9 1 appd To Bost-- Appvd. 9/1
122204		SEE CARD 3	To Bost.submit recn.for steam Seal piston rod stuffing boxes and packing.8/14

N.S.E. Form 134.

BIRMINGHAM: MACHY PLANT. 138-8

Number.	Date.	From or To—	Subject.	
135935	10-3	Dept	Repair limit extended to Dec 1 Y	
136043	9/28	Phila	COLUMBIA & MINNEAPOLIS; re completing repairs and commissioning; in connection with BIRMINGHAM and PANTHER	167-8
140539	11-20	Dept	Repair limit Dec 17.Y	
144010	1-8	Bost	Submits list of plans missing from finished plans forwarded to Bu. D	
150825	3-11	CO	Alterations to forced lubrication for blowers, main throttle valves, main thrust, reserve feed water pump, teltale main engine, piping.?Y Fwd Dept-- Rec disappvl 3/29 RB 4/1 To-- Disappvs 4/1	
156866	6-5	Dept	Repair limit July 1	774
156867	6-5	Dept	Available for overhaul May and June and Nov and Dec each year	774
161703	7/24	CO	Alterations, install forced lubrication and forced draft blowers, install cut-out valve on auxiliary exhaust line, connecting riser on reserve feed water pump, etc.Y To Bost--For est and rec. 7/31	
161704	7/24	CO	Alterations to throttle valve, fit metal covers on main thrust, install independent drain line, install oil tank, piston rod.Y Ref. Boston 8-9 RB 8/25 Fwd Deptm-8/27 RB 8/30	

To Bost--Gives action on.8/31

1915

NB—0120

[OVER.]

BIRMINGHAM: MACHY PLANT.

1913

Number.	Date.	From or To—	Subject.	
91570	3-3	Dept	& CHESTER: will not be required for ice patrol duty. Y	
107305	10-2	CO	Report of new CO.Y Fwd Dept via Ord.10/9	
113770	12-26	CO	Shift position of main feed pump, and install stop valve on each aux feed, fire and blige pumps.Y	19
		1914		
114056	12-31 1-3	CO Dept 27481-141	Submits statement of progress of repairs; Dept sets Jan 31 for completion; and directs work on boiler stop valves, and condensers, be expedited.Y To Phila.directs expedite work.1/6 Ret Dept via Nav.1/6	
114054	1-3	Dept 26420-59	All auth work to be completed by Jan 31.Y	
114175	1-5	Dept 26420-62	Reqt recommendation re changing home yard from Phila to NY.Y To---proposed change agreeable.1/7	
121083	3/28	Dept.	Senate Resolution 317 directing submission of estimates for placing into condition without detriment to military efficiency for duty as mail, passenger and freight transport between NY and South American coasts.	167-8

N.S.E. Form 134.

1914

BIRMINGHAM: MACHY PLANT. 138-8

Number.	Date.	From or To—	Subject.	
121993	3-28	CO	Recd repairs to evaporators, distillers, piping, valves, motor boat engine, feed tanks, etc. Y	
122204	3-28 4-11	CO Dept	Alterations; fit forced lubrication main engines, install France metallic packing, dampers in uptakes, fit after 6 boilers w for oil burning, replace present forced draft blowers with Terry Type. Y	CARD 4
		Bost. 5/26. asks when prints may be expected. Y Fwd Dept with rec. 6/20. RB 7 8 app d Fwd Bost. for est and rec. 5/9. rb 6 16 Fwd Bost. instructions. 7/10. rb 7 24 Bost. 5/21. asks when plans may be expected 5/21 TO Bost fwds b/p 5-26 TO C&R 5-26		
122943	4-7	At Torp Flt	Alterations recommended to increase efficiency as a Torp Boat Tender. D Fwd Dept via C&R. rec. conversion of six boilers for oil burning be held in abeyance. 5/11. rb 8 8 Fwd Dept via Ord and At. Torp. Flo. 8/10.	
126267	6/2	At Torp Flt	Copy of circular to Yards directing estimates of probable dates of completion of authorized work; now enroute to home yards	496
126524	6/1	CO	Requests repairs to main engines, condenser pipe, ash pan of boilers, lag boiler casings, renew fire extinguisher on boilers, repair ice machine. Y	
126525	6/1	CO	List of repairs to be accomplished by ship's force while at Boston yard. Y	
128735	5-30	Dept	Repair limit Aug 25. Y	
129238	7-7	Dept	Repair limit extended Sept 1st. Y	
129627	7-9	Dept	Fwds Hull report quarter end June 30. Y Ret---via Ord. 7/13.	

NB—0120

[OVER.]

Number.	Date.	From or To—		Subject.	
45450	7/31	Boston	5733	Submits estimates for re-tubing boilers, overhaul boiler casings, install pressure gauges, repair lagging, etc. Y	
48886	9/18	Dept		& RH. IS: date of completion of Bir.Dec.15.	377--8
53057	11/8	Dept		Authorizes docking and incidental work in adv. of estimates; completion Dec.15th. Y Fwd C&R-11/9.	
54031	11/18	C.O.		Comments on recommendations on board of survey. Y Fwd Dept-Recommendations.11/24.	
				1912	
63457	2/26	C.O.		& SALEM: reports on experiences of vessel in storm enroute Guantanamo:etc	384--8
66159	4-10 4-12	CO Dept		Submits list of repairs required Mchy Dept.Y	
68292	4-16 5-6	CO Phila	345-140-6	Repairs to piping, internal feed pipe boilers, floor plates, feed water heater, re-lag steam piping and evaporators.Y C&R 7/15 reqst action.Y To-Phila. appd.7/20.	

N.S.E. Form 134.

BIRMINGHAM: MACHINERY PLANT GENERAL. 138--8

Number.	Date.	From or To—		Subject.
74202	6/11 7/18	CO Phila.	345-140-6	Repairs to stop valves, rotor casings, ash pans, piping.Y To Phila.appd.7/26.
75177	4/7 7/26 8/6	CO Phila C&R	345-10-2	Alterations; fitting steam connections to ovens and drains; conduit work in connection with C&R work, and fitting new 3" voice tubes from bridge to dynamo and steering engine room. L To-Phila. red. disappl. 8/12 Ref.Dept.8/12 B 8-15 Ref C&R noted 8/17
75361	7/22 8/8	At.F t. Dept.		& CHESTER: Overhaul and repairs; recommends personnel of ships be not reduced as work is to be done by ship's force.Y Ref Dept. via Ord.C&R. noted. 8/9
75860	8/8 8/13	CO Phila.	345-1406	Repair copper piping; rebabbit main bearings of forced draft blowers.Y
77852	9-10	Phila	345-140-6	Submits revised estimate for repairs to ash ejector piping, etc. Y To---appd.10/24.
80846	10-5 10-22	CO Dept		Report of new CO. Y Fwd Ord.10/24.
84843	11-14 12-9	CO Phila	345-140-12	Repairs to crank pin brasses, feed piping, gen set, re-lag certain piping.Y To Phila.appd.12/12.

1913

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[OVER.]

BIRMINGHAM: MACHINERY PLANT:GENERAL

FILE No.		From or To— (Dated)	Subject.
33201	3/3	C.O.	Reqt. boilers be retubed, over haul boiler casings, install pressure gages, manholes, manifolds in storage compartments, etc. Y. Fwd Dept.Rec nec work be auth.3/28. R.B.3/31 appd. To -- via At.Flt. Fwd Bost. apprd 4/1. R.B.4/8
33294	3/3 3/8	C.O. Dpt	List of repairs; Dept. states same have been forwarded direct to Bureaus. Y Fwd C&R via Ord. 3/28.
41980	6/23	Dept	Ordered placed in reserve at Boston Yd. for overhauling. Y
42316	6/8	C.O.	Repairs to propellers, renew bushing strut bearings, section copper piping, etc. Y
44381	6/29 7/18	C.O. Boston 5368	Overhaul engine room stop valves; renew metallic packing on main steam line, overhaul ice machines; refit brasses. Y
44541	7/26	Dept	Nov. 1st fixed as date for completion of repairs.Y
44711	6/29 7/22	C.O. Bost 5478	Reqt. repairs to exhaust piping, repairs to cylinders of pumps, fit tray in gasoline tank.Y
44709	6/8 7/17	C.O. Bost 326	Repairs to propellers, stern strut bearings, copper piping.Y

NB—0120

BIRMINGHAM: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
235804	6/26	Bost	Main engine pistons - request VanDyke D	
299772	3-13	CO	Main engines - overhaul link motion. Y	
398347	2:18 2:27	CO C&R	Submits detail report in connection with crack developed in starboard side in compartment of A-2 - also crack in starboard engine bed plan. Y To Boston- Reqts make examination and any work under Cog.SE is auth. copy to CO 3-1 Fwd Operations. 3-1	
432818	7/12	Boston	Confirms telephone conversation in connection with BIRMINGHAM being unable to take 2 crank shafts and a section of line shafting. Will probably be transported by some other vessel. Y.	494
443672	8/20 8/29	CO Pacific Flt	Reqst alterations main engine throttles- D Fwd Operations. 9-8 R.B. 9/15 To PAC FLT-Gives detail action. 9-15 copy to CO.	

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N.S.E. Form 134.

BRIMINGHAM MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.	
623024	4/29 4/30	CO Spec.Serv.Sqd.	Report cov cross head of reversing engine of starboard main engine carrying away/ Y	

NB—0120 [OVER.]

BIRMINGHAM: MAIN ENGINES. 1914

Number.	Date.	From or To—		Subject.
132528	8-18	Lovekin, L.D.		Bill for tracings and royalty. Assist Cylinder. D
133055	8-25	Bost	3277-345	Lub oil settling tanks in eng room; recommends installing steam heating coil in partition as per print attached. D To-- zppvd as mod 9-8
133134	8-27	Bost		Forced lubrication; reqt approval of location of oil drain tanks. D.
133344	8-28 8-3k	Bost C&R	3223-345 28251-E.23	Proposed oil well for forced lubrication system; fwds sketch. D Fwd C&R not necessary 9-8
133625	9-29	Bost	3221-345	Lovekin Asst cylinder valve stems; fwds print showing new stems. D To-- Comments. 9/4
133676	9-1	Bost		Lovekin asst cylinders; no revised estimate for; revised estimate for new valve stems being made. D
135404	9-25	Bost	3115-345	Impossible to complete work on engines within time limit; reqt extension to Dec 1; Lovekin Assistant cylinders will require new valve stems. D To-- (R) Instructions. 9/28
135551	9-29	Bost	R	Unable to complete installation of Lovekin asst cylinder Nov 1st; do not recommend use of old valves. D

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N.S.E. Form 134.

BIRMINGHAM: MAIN ENGINES. 138-9

Number.	Date.	From or To—	Subject.	
135678	9-29	Bost	Delay in installing Lovekin asst cylinder. D Fwd Dept-- Rec date be ext to 12/1/14.	20/1
138455	10-30	Bost	Forced lubrication system; error in Bureau's drawing. D To-- Instructions. 11/4	
141984	12-9	Bost	Lovekin asst cylinders; revised est. Y To-- Appvs. 12/16	
145066	1-20	To CO.	Oil in boilers; calls attention to the importance of guarding against. Y	
172454	11-23	Bost	Main engine throttle valve; alterations; fwds print of proposed. Y	
173153	12-6	Bost T	Throttle valves; alterations; are proceeding with in accordance with drawing 22485. Y To-- Appvs. 12/7	
177079	1-12 1-16	CO At Torp Flo	Reports casualty stbd HP piston recently repaired at Bost Yard. Y Fwd Bost--For comment. 1/26 RB 2/7	

1916

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[OVER.]

BIRMINGHAM: MAIN ENGINES, ETC.

Number.	Date.	From or To—	Subject.	
39410	5/23	TO International Curtis Marine Turbine Co.	& CHESTER: fwds copy of analysis of performance of engines. D	
57689	1/3	Intnat.Curtis Co	Wire effective HP 12 knots. D (T)to---gives data.1/5.	
			1912	
73196	7-10 7-11	CO Phila	Reqt. forced lubrication be installed. D TO -- not definitely decided. 7-13	
			1913 1914	
122204	3/28	CO	Alterations, fit forced lubrication main engines, install France metallic packing, etc.	138-8 ~~318-8~~
128431	6/22	Bost. 3223-345	Main engines - forced lubrication; estimate for making engine girders oil-tight.I F wd Dept.6/27. C&R reqt action 7-31 Fwd C&R.8/6 Fwd Dept.8/6	
130476	7-18	Lovekin, L.D.	Lovekin asst cylinder; have received inquiry for quotation from Bost; quoted price $875. D To Dept.rec purchase of plans.7/22. RB 7 24 appd To---installation authorized; fwds plans; Boston yard to be instructed.7/25 To Bost.Installation appd; instrns.8/3	

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BIRMINGHAM: MAIN ENGINES. 138-9

Number.	Date.	From or To—	Subject.
131007	7-27	Lovekin, L.D.	Assist cylinder; reqt additional data, indicator cards, etc.D To---fwds prints.8/3
131092	7-23	Bost 312-345	Estimate for installing Lovekin Asst Cylinder.D Fwd Dept.7/29. RB 7 31 app d Ret---Bu will prepare requisition covering.7/31. rb 8 15
131367	7-31	Bost	Forced lubrication system; recommends water service connection main bearings be removed entirely.D To---Advisable to retain.8/4
131416	7-27 8-1	Bost Dept 3115-345	Recommends general overhaul of main engine and installation forced lubrication system during present overhaul system; Dept approves and extends repair limit.Y (R)to Bost.date completion extended to Nov.1st.8/3.
131649	7-28 8-4	CO Bost	Main engine cylinder measurements; fwds. D
131939	8-8	Bost	Forced lubrication system; reqt plans showing thermometer fittings.D To---fwds plan.8/11.
132072	8-11	Lovekin, L.D.	Lovekin cylinders; fwds tracings.D To Bost.fwds Vandyke; directs manufacture.8/14 Bost will submit revised 8-18 To Boston-- Comments. 8/27
132433	8-10	Bost	Forced lubrication; steam seal for LP piston rods; fwds tracings; asks if to be mfg at Yard.D. To---tracing returned, not appd. Reqn. should be submitted.8/19.

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[OVER.]

BIRMINGHAM: BOILERS:

Number.	Date.	From or To—	Subject.
273366	2-20	SEE CARD 5	To S&A -- Lists material shipped from NY and reqts take action to have material returned from abroad. advise action taken copy t Boston, CO and Base # 9
To CO- Lists material auth to turn into store. copy to S.O.Boston.3-26 Boston 4;18 Boston fwds copy of correspondence 4;11 Y Fwd S.O. Boston-copy to CO and S.O.Boston. 4-23			S&A - Copy of letter to European Force requesting have material returned to Bost - 2/27
			To S&A - New inside casings for boilers- shipping instrns Yh copy for SO Boston and Base 2 & CO. CO -3/18
			To S.O. Boston- Inform condition of material.3-26 copy to E.O. Boston. 3-26
402442	3/4	Bost T	Request boiler tubes - Y Bost (T) - boiler tubes in store not suitable for - 3/15 To S&A- Reqt shipt boiler tubes from Phila to Boston. 3-17 To (T)- Use tubes reserved for BIRMINGHAM and SALEM reported on stock cards from supply officer. Advise action taken. 3-15 To (T)-Tubes reqted ordered shipped from Phila Yd. 3-17 RB 3;29
375543	3-26	To S.O. Brook	Inform if material on shipt order of 12-10-18 has been received and transshipped.Yh copy to CO. RB-5;2 CO- Inform if material rec'd. 5-3 copy to S.O. Guantanamo. RB 5;19 Guantanamo 5/28 S&A-7;14
			1920
477105	2;19 Pac Des-2;28	Squad 4 Pac Flt	copy High pressure evaporator shell recommends both shells be removed.A&Y To(T)-Renwal appvd.etc. copy to Operations PAC FLT-PAC DES SQD -FLOT % DES SQD-M IS CO. by mail. 2-20

4—3381

138-10

N.S.E. Form 134.

BIRMINGHAM: BOILERS 1920 1919

Number.	Date.	From or To—	Subject.	
491451	4/27	CO	Cast iron grate bars recd are of inferior quality- reqst special allotment be made covering manuf of two thousand mild steel bars- Y.	138-21
571693	6;25	M IS T	Necessary to renew inner casing of main smoke pipes submits estimates.Y To MI (T) Appvd copies operns 6/29	
582105	8/25	To MI Boiler	Tubes:Gives comments- Ym M IS-corrects-9:2-Y	

1921

4—3381

[OVER.]

BIRMINGHAM: BOILERS.

Number.	Date.	From or To—	Subject.	
240067	7/23	To NY	Ask work actually done on job order calling for repairs to main boilers. Y NY 8/4 Y	
248315	9/10	To B&W Co	& SALEM. Steel castings for circulating pipes of boilers of. Ask if have patters of at works.D B & W - & SALEM reports finding of patterns; state do not make steel castings 9/26 D To- Thanks for letter of 26th and reqts hold patterns for future use. 10-3	
334	10-4	Fwd S&A	Price covering 5" down comer pipes for boilers of & SALEM too high; Will make rec as to award at this time.	384-10
273366 (OVER)	12/21 1/11	CO Dept	Reports casings of - 1-2-3 boilers required renewal - Y To S&A- Reqts advise status of Reqn boilers 1,2,3 and 4. 2-26 To S&A- 3-14	wd Operations. 1-15 --RB--1/19. To-(T)-All necess ry material order shipped.4-23
274062	1/15	Sims	No.2981 request early shipment of evaporator tubes.Y To S&A- Reqts hipt 100 brass evaporator tubes from NY to Co. 1-18	
281440	To Inspr		Alteration made necessary by replacing boilers casings. Fwds prints. D	

NB—0120

N.S.E. Form 134.

BIRMINGHAM: BOILERS 138 - 10

Number.	Date.	From or To—	Subject.	
289375	3-5	Sims	Copy - No 5145 - Fwds copy of instructions to Westinghouse to deliver fir VOID WRONG CARD	
289375	3-5	Sims Copy	No 5145 - Request drawing alterations boiler casing. D	
Card 6		S&A - copy instrns to NY - 12/18 273366 5/4 To BIRMINGHAM (T) NY 6-28 To NY 7-10 RB 8-1 NY - 7/6 7-10 To NY, re mfg of mat'l for boiler casings Fwd CO, 8-3 To NY 7-10 back 24 To NY list of material turned into store for shipment 10:4 Y To S&A Rqst shpt casings NY to CO 10-7 Phone NY Re new casings for boilers 12-17	NY - 8/30 T not plain assumes only following desired manf'd. & ship'd side casings, front lower panels & soot boxes for 4 boilers, confirm: Y (C) Advise number and rank of officers employed searchlight control work L Sims - Copy - 7684 - IL 7638 - Does not require soot boxes. 5-9 To NY- Lists material reqts mfg for shipt to CO/ 5-11 To NY, Rqst work be expedited re mfg of boiler casings, 6-20	
317526	6/6	Inspr Brooklny	Inspr B& W reqts proper disposition of blue prints for Birmigham and Salem. 6/15	138-8
375543	12-9	To S&A To South Brook via S&A- Inform if material received. copy to CO. 5-1 To S&A- Reqts trace shipt of material. copy to CO and S.O. Guantanamo 5-20	Rqst shipmt evaporator tubes Norf to CO,Y Phone NY re evaporator tubes,12-10 To S&A- Reqts take action to expedite delivery of material to Boston for as ship is reported to be at that yd. copy to CO Base ~~Bxx~~ and Boston. South Brook	

NB—0120

[OVER.]

BIRMINGHAM: BOILERS.

1915

Number.	Date.	From or To—	Subject.
172627	11-19	Bost	Boiler tubes; fwds samples; recommends no more tubes be removed. C To CO--States necessity for retubing of boilers was not properly investigated by those repponsible. 12/2
		1916	
175433	1-3	CO	Reports number of days under steam and condition on. Y Fwd Bost--1/11 RB 1/31
175675	1-4	Torp Flc, At	Reports on condition of when left yard; covers boilers. Y Fwd Dept--Rec boiler #3 be not used in present condition. 1/11 RB 1/13 Fwd Bost--m1/13 RB 2/1 Bost time for installing 4-25 Fwd Dept--Rec be made available for work. 4/27
182800	2-14 3-25	CO Dept	Corrosion in reserve feed boiler; directs work be done at Bost Apr 20; Fwd Dept Via C&R-Ord--Noted. 3/28
183651	3/27	CO	Replace bottom blow valves on boilers and internal feed lines. Y Fwd Dept-- Recommendations. 4/7 RB 4/10 To--Gives action on. 4/11
186056	4-24	CO	Boiler No 7; reports leak in down comer joints. Y Fwd Bost--For comment and rec. 4/28 RB 5/5
186237	4-28	Dept	Copy of telegram to Bost asks if new drum heads No 3 boiler can be completed by May 20. Y

NB—0120

N.S.E. Form 134.

BIRMINGHAM: BOILERS. 138-10

Number.	Date.	From or To—	Subject.	
186316	4-28	Bost R	If drum heads arrive May 5, can complete May 20.	
186788	5/3	Bost T	Boiler; all parts received	377-10
193996	7/10 7/15 7/19	CO Atl Torp Flo Dept	Reports on condition of boiler linings; recommends vessel not be required to make over 18 knots until casings are repaired.Y Fwd Bost--For comment. 7/22 RB 8/5 Fwd Dept-- 8/7 RB 8/9 To CO Via Atl Tor Flo--Comments on.8/9	
198190	8-14	CO	Report on condition of boilers.Y	
200347	9-22	Bost	& BIRMINGHAM; estimate for manufacturing grate bars. Y To--Authorizes 9/27	
			1917	
210825	1-5	NY	Feed water heaters; estimate for chaning present stay bolts and remake joints.Y To--Work auth. 1/9	
217147	2-28 3-2 3-6	CO NY Dept	Request instructions re continuing work on boilers; Dept states vessel required immediately for service with full power.Y Fwd Dept--3/9 RB 3-12 Fwd NY--For comment.3/12 RB 3-16 Fwd Dept--3/19	

NB—0120

[OVER.]

BIRMINGHAM: BOILERS.

1913

Number.	Date.	From or To—	Subject.	
99891	6-13	CO	Reports accident to boilr No.4 ; fwds photo of cracked valve seat.Y Fwd FR,Request name of maker,7/8.RB 7-14 To Bost. Request [illegible] and installation to be done at Phila.7/8	
100648	7-1	Dept 26250-448-2	Accident to boiler No.4; report of board of inquiry. C Fwd Dept.comments.7/7. To CO.To CO via Phila.To Bost.instructions to replace all stop valves of Fore River design.7/7.To Bost.Phila.S&A.final machining andinstallation to be done at Phila. Request shipment.7/8.	
101175	7-9	CO	Accident to No.4 boiler; stop valve was closed by hand not forced. Y	

1914

114056	12/31	C.O.	Submits statement of progress of repairs, Boiler stop valves, etc	138--8
122204	3/28	CO	Alterations, dampers in uptakes, fit after 6 boilers for oil burning, replace present forced draft blowers with Terrytype	138-8
123082	4/18	CO	Boiler tubes; reports on defective and forwards sample.Y To--4/23	
123013	4/20	At.Torp.Flo. R	Having boiler troubles	774
127817	6-19	To Boston	& SALEM - submit reqh. for boiler tubes.Y	

N.S.E. Form 134.

BIRMINGHAM: BOILERS. 138---10

Number.	Date.	From or To—	Subject.	
128219	6/10 6/19	CO Boston	Feed tanks; repairs urgent.Y Fwd Dept--authorized on Dept's verbal authority; requests confirmation 6/25 RB 7 appd (T)to Bost.proceed renewal main feed tanks.6/25. Fwd Dept.6/25.	
128500	6-27	Bost 312-345	Renewal of lagging and casing of boilers.Y TO Bost appvd 6-29	
7123	8-21	To S&A	& SALEM - re boiler tubes	706
			1915	
162529	7/24	CO	Sample boiler tubes; fwds for inspection.Y To--Reqt copy CO letter of 8-24. 8/6	
163174	8-9	CO	Boilers; condition of; fw s copy of original request for repairs dated July 24. Y TO -- comments on samples tubes 8-13 Bost estimate for rebewing gas tubes 8-26 To Bost--nstructions. 8/31	
163721	7/14 7/24 8/16	CO Atl Torp Flo Bost 3211-345	Submits estimate of cost and time to completely retube all 12 of main boilers, repair brick work and casings of same.Y To Boston - directions - complete retubing not necessary 8-24	
165787	9-11 9-11	CO 9 AtLantic Torp Flo	Report on condition of evaporators.Y Fwd Bost For est and rec.9/24 RB 10/4 Fwd Dept--Have directed manuf. 10/5 RB 10/7 To Bost--(R)Proceed renewal. 10/5 Fwd Bost--10/7 RB 10/28	
166175	9-14 9-14	CO Torp Flo	Reports evaporators 2 and 4 leaky.Y	

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[OVER.]

BIRMINGHAM: BOILERS: ETC.

Number.	Date.	From or To—		Subject.	
44771	7/25	Bost	5581	Estimates for hoods over smoke pipes.Y	
45450	7/31	Boston		Submits estimates for re-tubing boilers, overhaul boiler casings, etc	138--8
47600	8/17 8/30	Bost Dept		Retubing boilers; unable to complete in time specified due to inability to secure boiler makers; Dept. fixes date of completion Dec.15.Y Ret. Dept. noted 9/1	
48737	9/12	Bost	6918	Hoods over smoke pipe casings; submits estimates. Y	
48964	9/15	Bost	7049	Submits estimates for removing operating gear from ash pan dampers all boilers.Y-D	
50004	9/29	Bost		Relative to furnishing new smoke pipe hoods; reqt. decision as to cog. &Y To (T)--Auth.10/3.	
No #	10/23	To Bost		Asks if, in retubing, any material change has been made in curvature of tubes.	
52328	10/26	Bost	8240	Retubing; estimate for using tubes already bent for SALEM; also reports additional work required to Brickwork. UY To---Appd.11/6.	

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N.S.E. Form 134.

BIRMINGHAM: BOILERS:ETC: 138-10

Number.	Date.	From or To—		Subject.	
52932	11/3	Bost	8452	Remove operating gear from rear of ash pan dampers of boilers; estimate.Y-D To---Appd.11/13.	
54661	11/17 11/21	C.O. Bost.	8991	Ash ejector; request casting for. Y	
55040	11/28	Bost.	9178	Retubing of boilers; submits revise est.Y Fwd Dept-Appd.12/4. RB 12-6 appd To--Appd.12/6.	
				1912	
65876	4/8	To C.O.		Boiler troubles; requests further information as to nature and extent of.F RB 4-18	
68292	4/16	C.O.		Repairs to piping, internal feed pipe boilers, floor plates, feed water heater, re-lag steam piping and evaporators.	138--8
69152	5-17	Phila		Ash ejector; repair discharge of.Y	
74105	7/~~24~~ 7/23	CO Phila.	345-269	Repairs to shells in baffles of evaporators.Y Fwd Dept.rec appr.7/24. To Phila.appd.7/26. RB 7-26	
				1913	

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[OVER.]

FILE No.		From or To— (Dated)		Subject.	
33201	3/3	C.O.		reqt boilers be retubed, over haul boiler casings, install presuure gages, manholes, etc	138--8
33528	3/10	C&R	2765-E.243	Reqt. larger hood be placed over smoke pipes. Y	
34825	3/28	C.O.	(Cable)	Stop valve of Boiler H broken; reqt certain drawings and invites attention to lead of steam pipe to boiler. Y (T) to FR Reqst est. for supplying 3/28.	
34940	3/29	FR	(T)	Gives estimate of time and cost for supplying stop valve for boiler H. Y To C.O., S&A & FR. NSA regn. 277. Shipmt Bost. to ship: 4/1. Fwd S&A 4/3. R.B. shipping instruns issued 4/5.	
35560	3/27	C.O.		Reports stop valve Boiler H badly cracked; not safe for use; reqt. new one be shipped. Y Fwd FR NSA regn. 277 covers. 4/8. RB 4-24 Ret -- via 5th Div. At. Flt. 4/24. RB 5-11 To -- Obtain from Bost: modified design. 5/12.	
35594	3/31 4/6	FR Ship Co S&A	104469	Are proceeding with left hand boiler stop valve. Y.	
36271	4/13	Boston	2684	Retubing boilers; reports on number of tubes in excess; same to be used for SALEM in case same are needed. Y Ret -- Rel stock on hand. 4/18. RB 4-28 To -- Directs tubes for 4 boilers be drawn from store. 5/2.	
43905	7/14	Boston Yard	5276	Estimate for retubing 12 boilers. Y Fwd Dept. Rec retubing of remaining 8 boilers be deferred. 7/20. RB 7-25 Fwd Dept. Rec retubing. 7/25. RB 7-26 a'ppd (T) to Bost. appd. 7/27. To -- Directs tubes be drawn from store and bent for SALEM. 7/27.	

BIRMINGHAM: AUX MACHY:

Number.	Date.	From or To—	Subject.	
483294	3;16	CO	Request new carburetor be furnished to replace one installed on 35 foot speed boat.Y To S&A- Reqt shipment carburetor from M Is to CO. 3-27 RB-5;6-Y	
501651	6/25	C&R	Copy letter to BIRMINGHAM in conn with 35' motor boats for; Y	611-2
567903	6/4	Pacific Destroyers T	Request approval Engines 35' motor boat for CO BIRMINGHAM. Y	611-12
577734	7/28	M.I.	T reqst auth assign Sterling engine to 35' motor boat 8568 on board BIRMINGHAM Y To MI Tel 7/29	611-12
576504	7/21	C&R	Copy letter to CO BIRMINGHAM stating 36' motor sailing launch cannot be furnished Y	611-8
595422	11/10	C&R	30' MSL 2944 should be repaired at M.Is. for return to. Y	611-6
599481	12/8	C&R	Copy of letter to M.I. auth issue 30' motor sailg launch 6452 to CO BIRMINGHAM Y	611-5
609934	2/15	C&R	Copy of letter to Spec Service Sq asking if 35' boat 4057 is on board BIRMINGHAM Y	611-12

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N.S.E. Form 134.

BIRMINGHAM: AUXILIARY MACHINERY 1922

Number.	Date.	From or To—	Subject.	
BIRMINGHAM REQN #132-22 3/30 To CO			Rqn for 3 cylinder blocks for Van Blerck engine of 35' Motor Boat- Gives instrns Ye	R

BIRMINGHAM: AUCY MACHY

1916

Number.	Date.	From or To—	Subject.	
199019	9-12	TO Norf	Assigns engine	611-2
199941	9/20	Norf	Reports shipment of engines 2663 and 2669 to Birmingham for 17707 and 1310. Also KK 2696 and 2697 for boats 2812 and 13 to Pug. Sd. Y	611-2
228092	5-11	C&R	35' motor boat 4057 assigned to BIRMINGHAM.	611-2
233900	6/12	C&R	BIRMINGHAM; reports exchange of 35' motor boat 1303 with the PANTHER, #962 to be turned in at NY	611-2
240671	7-26	To BIRMINGHAM	Power boat engine No 3379; re number of hull in which installed.	611-2
284613	2-27.	C&R.	Assigns 30' sailing launch to. Y.	611-2.
334860	8/8	To BIRMINGHAM	Reqst report on boats on board Y	611-2
400159	3;1	CO	Repairing to deck wenches Y Fwd C&R. 3-7	
403753	3/18	C&R	Cpy letter to New York assigning 12' punt to BIRMINGHAM. Y.	611-2

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N.S.E. Form 134.

BIRMINGHAM; AUX. MACHY

Number.	Date.	From or To—	Subject.	
415739	4:28	CO	Req. auth. to turn in bed plate and cyl. of motor dorey engine Y To Boston- author granted to turn into sotre 5-5	
438736	8/8	C&R	Copy of letter to BIRMINGHAM regarding assignment of 35' motor boats; Y.	611-2
438096	8/14	To BIRMINGHAM	Records show 35' motor boat 6564 with Sterling engine 3504 installed on board. Asks what disposition made. Y.	611-2
446069	9/18	C&R	BIRMINGHAM assigned motor boat 6564 Y	611-2
451602	10/14	C&R	Copy letter to BIRMINGHAM in conn with number of boats used as flag boats Y	611-2
460966	12/9	To BRIMINGHAM	Power boats; Reqst report correct numbers engines insatlled.	611-2
470335	1/19	C&R	35' motor boat 8562 transferred from PRAIRIE to BIRMINGHAM; boat 6564 transferred from BIRMINGHAM to PRAIRIE.	611-2
478604	2/27	C&R	Copy of telegram to Mare Is authorizing issue 35' motor boat 8568 to BIRMINGHAM as admiral's barge; Y	611-2

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BIRMINGHAM AUX. machy 1913 2

Number.	Date.	From or To—	Subject.	
88668	1/24	C.O.	Gives numbers of engines in motor launches	611--2
		1914		
116183	1/28	To	Bu. record shows Sterling engine 3097, installed in motor boat 939, instead of engine 3099, as report in log	611--2
125351	5/20	C&R	33-ft motor sailing launch 1717 and 21-ft motor dory 1438 assigned	611-2
125744	5/19	At Torp Flo	Reports transfer of motor boat 162 from the OZARK to the BIRMINGHAM and the forwarding of old motor boat 994 from the BIRMINGHAM north via VULCAN	
125734	5/20	BIRMINGHAM	Reports taking parts of Sterling engine 3098 to put engine (20417?) received from the OZARK in good condition	611-2
129146	7/11	C&R	Motor sailing launch 939 assigned BIRMINGHAM will be sold and replaced by 1310	611-2
129334	7/8	C&R	35' motor boats 1303 and 1310 assigned to BIRMINGHAM; directs shifting of steering wheels and motor controllers from after cock pit to forward end fwd cock pit	6114
No #	8/18	To CO via Bost.	Survey 57; Sterling engine 3097; turn in directed in 129146-611-2. Y	
136852	10/12	Dept	Report of board investigation on swamping of BIRMINGHAM's motor boat while being towed by BURROWS; general recommendation against towing of heavy boats	611-2

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1915

BIRMINGHAM: AUXILIARY MACHINERY 138 -- 11

Number.	Date.	From or To—	Subject.	
146676	1/23	BIRMINGHAM	Submits adverse report on motor boats attached to ship; recommends dual ignition system be fitted on Bu type engines	611-4
152984	4/22	Bost R	Sterling engine 3237; reqt authority to issue to	611-2
Reqn 85	4-23	To CO.	Action on reqn withheld pending receipt of survey 90. Y	
Reqn 85	4-28	To Co Via Bost.	Motor boat 962; assinged Sterling engine 3237 to. Y	
172340	11/13	CO	States Schebler carburetors furnished for motor boats wrong size	611-4
174354	12/20	C&R	BIRMINGHAM; assigns motor boat 2421 in lieu of 2735, to be shipped to the NEW YORK	611-2
		1916		
177885	2/2	To CO	Type EE engine 2225;asks number of boat in which installed	611-2
180245	2/12	CO	States compressed air whistles furnished motor boats unreliable and inefficient; appeals against Klaxon horn on reqn	730
187003	5/6	To CO T	Motor boat 1303; asks space available for engine installation	611-2
195211	7/28	Atl Torp Flo	Reports exchange of boats with MELVILLE	611-2
198872	9-9	TO Norf	Issue GG engines 2663 and 69 to; engines 2193 and 2388 turn in	611-2

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BIRMINGHAM AUXILIARY MACHY. 1

FILE No.		From or To— (Dated)	Subject.	
31342	1/23	C.O.	BOATS: motor: ignition system: gasoline tanks; etc. report on	611--2
33697	3/13	C&R	BOATS: for: location of gasoline tank, etc. submits comments	611--2
			1912	
59088	12/22 12/23	C.O. Bost 9931	Reqt. extra propeller for motor sailing launch. D	
69391	5/22	To Birmingham	Motor boat 994. Bu. record shows engine to be Sterling 3098: reqt confirmation	611--2
No #	6/11	To CO and Phila.	Survey #9: Motor boat 994: repairs to propelling machinery authorized. Directs put brass plate with number 3098 on engine.	
71429	6/15	Phila.	Motor boat 994 repairs to	611-2
77466	9/6	To	BOAT: corrections in log.	611--1
81156	10/25	Phila.	BOATS: reports completion of repairs to engine 3098, motor boat 994.	611-2
			1913	

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N.S.E. Form 134.

BIRMINGHAM: CONDENSERS. 138-12 915

Number.	Date.	From or To—	Subject.
168525	10-9 10-13	CO Bost	Retube main condenser.Y To--comments and instructions 10/20
173059	12-3	Bost	Reports on test of stbd main condenser; no retubing necessary; will repack after end.Y ToNoted. 12/6
174179	12/14 12/16	CO Bost	States ship has no men available for work on condensers.Y To Bost--Cancells instructions. 12/20
207575	11-27 12-6	CO Phila	Submits estimate for reboring air and water cylinder, auxiliary condenser.Y To Phila--Appvs est. 12/8
533429	11;27	CO	Request retube aux condenser-fwds sample tubes.Y To CO Auths returbing cc MI 12-10

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[OVER.]

Number.	Date.	From or To—	Subject.	
114056	12/31	C.O.	Submits statement of progress of repairs, condensers, etc	138--8
114233	1-3 1-3	At Flt Dept R	Reqt condenser be ~~reap~~ repaired before leaving Phila. Y Fwd Dept. 1/6	
114308	1-7	Phila R Fwd S&A. 1/14 RB 130	Gives number of condenser tubes required. Y (R) to Norf. instructions re supplying. 1/7 Norf are working on order. (R) 1-9 Fwd Dept. rec appr of retubing. 1/8 RB 112 (T) To---Norf. preparing shipment.--To---work authorized.--(R) to Norf. asks re shipmt order 1/9	
114524	1-7	Phila T	Condenser tubes have not been ordered from NY pending Bu action. Y	
114572	1-8	Phila	Condensers; will be necessary to retube as well as repack. N Fwd Dept. 1/10. RB 118	
114595	1-10	Norf R	Condensers; Phila reqt 1500, Bureau 8200 tubes. Y	
114669	1/10	Phila. R	Work on condensers can be finished 31st. Y Fwd Dept. noted. 1/12. RB 114	
114773	1/10	To Phila. R	Request date work can be finished oh. Y	
126731	6/5	Bost.	Condenser tubes; submits estimate for renewing; fwds samples of tubes removed from. Y To---appd. 6/10.	

Number.	Date.	From or To—	Subject.	
44381	6/29	C.O.	Overhaul engine room stop valves, renew metallic packing, overhaul ice machines, etc	138--8
			1912	
69418	4-17 5-18	CO Phila 345-140-6	Installation of steam heaters in torp.room.D To Phila.appd.5/23.	
		1914	1913	
126734	6/4	CO	Requests steam radiators in the Flotilla Comdr's office and Flotilla mail office.Y To Bost.appd.6/9.	
			1916	
183659	4/4	C&R	Reqt information type refrigerating plant in connection with ice cream freezer.D To--Gives type of plant. 4/8	
203518	10/14	CO	Reqt radiators	138-8
210862	6-21	To Bost.	Directs installation of elec heater on.	662-1
			1917	
238465	7/13	Bost	Electric heater in radio room - submits estimate L To--Appvs est.7/17	

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N.S.E. Form 134.

1919

BIRMINGHAM: HEATING: REFRIGERATION & VENTILATION

Number.	Date.	From or To—	Subject.
387322	1;21	Sims	Copy 4215 req. 1 compressure set cylinder for Allen Ice Machine be shipped Guantanimo Y
NSA 1124-1919	1-24	To Fleet Supply Base	Reqst expedite shipment compressor cylinder for BIRMINGHAM- Gauntamo Cuba-
392677	2/6	Brook	Request copies of order covering compressor cylinder for ice machine - S Fwd S&A. 2-8 RB 2;12;19
NSA -1124	2/15	To Fleet Supply Base	Confirms telephone conversation relative to shipment of compressor cylinder.
		1922	
620366	4/12 4/13	CO Canal Zone	Request repair Allen ice machine Y

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[OVER.]

Number.	Date.	From or To—	Subject.	
622813	5/12	Phone to Phila	Propeller shaft for machining of sleeves Y	
623487	5/2 5/4	CO Spec Ser Sqn	Broken end of port portable shaft will be shipped to Expr Station DY	
624292	5/16	CO T VOID SEE 24	Request ship klinger glasses Y	
626285	6/2	Dept	Copy of telegram to Spec Service Sqn stating port shaft for BIRMINGHAM will arrive at Canal Zone 6/17 Y	
632057	7/10	Expr Sta	Broken propeller shaft from Balboa. Sample recd. Rqst instrns rel to test D	697

4—3381

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N. Eng. 134

BIRMINGHAM PROPELLERS & SHAFTING 1922

Number.	Date.	From or To—	Subject.	
617707	FROM CARD 2		15th Dist- (T) Request disposition of remaining parts of shaft. 10/6 Y 15th Dist- (T) Request action on telegram of 9/29. 10/11 Y To Comdt 15th Nav Dist Balboa- T Your 1011 0950 Bu shipment order issued authing shipmt Boston 10/12 Ys To Boston- Reqsts examination be made of shaft 10/16 0 212-14	

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[OVER.]

BIRMINGHAM: PROPELLERS & SHAFTING

1921

Number.	Date.	From or To—	Subject.
562720	5/11	To SO MI	Propellers Reqsts prop be surveyed and melted up for scrap bronze- ;Gives instrns Y M IS-6;23-Y
579449	8;2	M IS	Propeller report.Y
		1922	
617707	4/8	Special Serv. Sqd.	Copy Request sleeve couplings and pins for propeller shaft be shipt. Y Spec Ser Sq 4/13 T. Gives number of propeller section required Y To Comdr Spec Svc Squad (T) no spare available gives inform 4/12 To Phila- Gives instrns cc C N O- Pacific- CO 4/14
TO OTHER SIDE			
617593	4/8	To MI (T)	Ask if have shipped Boston spare port propeller shaft BIRMINGHAM Yd To MI (T) Reqst status of shipment of shaft Coupling 4/10 M.I. 4/11 T No records of propeller shaft for Y To S&A- comments on price of shafts 4/14
	other side		
14718-140	4/8/22	Con Des Sqds- Opnav	USS BIRMINGHAM- port propeller shaft damaged.

4—3381

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N. Eng. 134
BIRMINGHAM: PROPELLERS & SHAFTING 1922

Number.	Date.	From or To—	Subject.	
617593	~~4/12~~		To S&A Reqst shipment of propeller from MI to 15 Dist 42 4/12 RB 7/6 Y	
	see other side		To MI (T) Expedite reply to letter relative propeller shaft BIRMINGHAM 4/12	
			To MI (T) Comments on shaft gives inform 4/13	
			S&A 4/15 Authorizes reduced price of shafting Y	
			S&A- Copy action to Phila. 4/19 Y	
			S&A 4/28 Copy of action to Phila Y	
			S&A- Propeller shafts will be completed by 5/12. 5/5 Y	
617707	FWD FROM OTHER SIDE		To USS BIRMINGHAM- Rqsts finishing of shafts be accomplished by repair shop at Balboa 4/15 Yd cc USS BIRMINGHAM	
			Phila 4/21 Submits estimates covg mfg of propeller shaft for Y	
			To Phila Allotment made cc S&A- Asst Dept 4/24	
TO CARD 3			To S&A Reqst shipment of propeller shaft from Phila to 15 Dist 271 5/11 RB 7/6 Y	
			To S&A Reqst shipment of prop shaft from Phila to Balboa 272 5/11	
			To Phila (T) status of shipment 5/11	
		P	15th Dist 9/29 T. Request disposition of remaining parts of shafts Y	
			Hampton Roads 9/28 Y	
			To 15 Dist- shipment of shafts cc Boston 10/5	
618927	4/7	AtlSpec.Serv.Sqd.	Copy Vessel broke port propeller shaft while engaged in torpedo test on spare parts at MI - request expedite. Y	
			Dept 4/21 Fwds report from CO Y	
621170	4/29	JAG	Report cov accident to port shaft. Y	
			Fwds Navign 5/25	

[OVER.]

138--14

BIRMINGHAM: PROPELLERS & SHAFTING

Number.	Date.	From or To—	Subject.	
42316	6/8	C.O.	Repairs to propellers, renew bushing strut bearings, section copper piping, etc	138--8
44709	6/8	C.O.	Repairs to propellers, stern strut bearings, copper piping.	138--8
			1912	
75663	8/12	Phila. 345-164	Re-wood stern tube bushing.Y	
			1913	
			1917	
238128	7/12	To CO To Boston-Reqtsinformation re shi reqt July 31st. spare R.H.& L.H. propellers. 12-29 To S&A- Reqts information re shipt spare propellers. 2-26 To S&A Reqts give instructions to have propellers shipped to base from which vessel operates. 4-26	Ask how many spare propellers and spare propeller blades can carry on board. Y R B 7/20 To Bost—Directs place propellers on board.7/25 CO - Copy - request instructions relative to carrying spare propellers on board Y To—(T) Directs take propeller blades aboard. 7/30 To S&A—Reqt shipt of propellers from Bost to. 7/31	
241247	7/30	Phone Bost	Propellers now installed have removable blades. Y	

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N. S. E. Form 134.

BIRMINGHAM: PROPELLERS & SHAFTING. 138 -- 14

Number.	Date.	From or To—	Subject.	
241446	7/30	Phone CO	Re carrying of spare propellers. Y	
995	1/8 1/10	Inspr. Erie Inspr Pitts/	Shipping instruc cov BirminghamS	629
396285	2;18 2;18 To S.O. Boston- Gives detail comment. 4-12	CO Boston	Req. auth. to turn in 6 spare propellers blades for main engines Y To CO- Auth to turn into store the two spare hub cones. copy to SO Boston. 2-20 Bost - 4/16 To S.O. Boston- Reqts corrected copy of change of material sheet be fwded. 4-22	
8 396348	2-20 3;10	To CO CO	Propellers - Reqts information as to whereabouts of. Yocopy to SO Boston. R B 2/26 To S&A- Reqts to locate propellers. copy to S.O. Norf. CO JUPITER AND BIRMINGHAM. S&A proposal turned in Feb 4--- 3.13.19 To- Turning into stoer of two spare propeller hub cones auth. copy to CO.Ports.3-14	
504037	7;7 To S MI Reqst inform re receipt of mat 2/4/21 CO-5;5-Y	Boston p	Request disposition of thrust bearing horse shoe in store for.Y To S&A. Reqst shipmt of Horseshoes From Boston to SO MI 3687 7-14 RB-3;28	
525679	10;21	M IS	To SO Brook reqst as to receipg and dispn of mat Propeller report.Y cc SO MI 10-30 RB 11/30 L To MI Reqst number of plan be verified and corr number be stamped on prop 11-8	

NB—0120

[OVER.]

BIRMINGHAM: PIPING SYSTEMS.

Number.	Date.	From or To—		Subject.	
46550	8/5 8/11	C.O. Bost	6052	Repairs to piping.Y	
47506	8/19 8/22	C.O. Bost	6358	Revised estimates for repairs to main line slip joints.Y	
53528	10/29 11/8	C.O. Bost	8588	Repairs to copper piping flushing line.Y	
				1912	
78173	9-12	Phila	345-95	Lag steam and drain line for galley copper.Y	
				1913	
90559	2-15	Phila	345-357-	Piping work in connection with Hull repairs.Y	
93905	3-20 3-28	CO Phila		Repair copper piping.Y	
				1914	
126509	6/1	CO		Manifolds and main valves and fire extinguisher piping from drums to firerooms; requests be shifted	138-20
				1917	
227685	5/2 5/10	CO Dept		Manufacture new separator for port main steam line Y Bost - Ready for installation May 15 - ship ready May 18th Y	
	To Bost--(T)Directs expedite work.5/13 To Dept--Gives action.5/14				

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N.S.E. Form 134.

BIRMINGHAM. PIPING SYS. 138-15

1917

Number.	Date.	From or To—	Subject.	
212610	1-6 1-24	CO NY	Install new joints and bolts main auxy steam line. To NY--Work auth. 1/26	

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[OVER.]

138--16

BIRMINGHAM: FUEL OIL SYSTEM:

Number.	Date.	From or To—	Subject.	
42636	5/24	C.O.	CHESTER & SALEM: req recommendations re converting coal bunkers to fuel oil tanks.	156--16
48556	8/22 9/3	C.O. C&R 22765-E.265	Recommends allowance be made for carrying 500 gallons gasoline for motor boats; also applies to CHESTER; SALEM. D Ref. Dept. recomds replacing by steam launches 9/14 R.B. Dept appd them to carry 500 gals. gasoline 9/15 Fwd C&R; 9/18 TO C.O. appd. 500 gals. 9/18	
			1912	
66920	4-20	CO	Reqt. authority to turn in 4 drums gasoline not required for motor boat service. R Fwd S&A. rec appr. 4/23.	
			1913	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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BIRMINGHAM, Workshop.

1912

Number.	Date.	From or To—	Subject.	
67567	4/6	Bost	Reqn 61, payment for, test not yet made.	718--3
			1913	
		1914		
132566	8-15	CO	Reqt motor driven sensitive drill be supplied. Y To -- auth 9-9	
134246	9-13	Bost	Safety devices for machine tools; est. Y To-- Appvd. 9/12	
		1922		
648817	10/3	CO	Rqsts electrical driven gap lathe to replace belt driven lathe Y To CO- Reqsts inform rel lathe 11/16 CO- 11/23 Lathe not satisfactory N	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

BIRMINGHAM: PUMPS:

Number.	Date.	From or To—		Subject.
				1912
59182	1/19	C.O.		Fire and bilge; rubber valves required for R. Fwd S&A.Bu.reqn.239 to cover purchase.1/23.
59519	1/24	S&A	104469	Rubber Repair valves for fire and bilge pump reqn. 239; NY PO directed to make immediate purchase and shipment. R
59600	1/23	NY PO		Rubber valves above, order placed with Blake & Knowles will be delivered 2 or 3 days. R Fwd S&A.Noted.1/26.
				1913
113770	12/26	C.C.		Shift position of main feed pump, and install stop valve on each aux. feed, fire and bilge pumps. 138--8
				1914
114571	1-8	CO		Change location main feed pumps, and install valves on aux feed and fire and bilge pump.Y Fwd Phila.authorized.1/12.
117285	2-7	Phila	345-225	Main feed pumps; submits estimae for shifting position of; recommends changing lead of suction pipe in lieu of shifting pump.Y To---appd.2/12. To Bost.fwds corres.7/24. Bost returns enclosures 7-28
294863	3-13	Co		Reqts alterations Bureau type in lieu of Crowley type valve gear on oil pumps furnished 138-8

N. S. E. Form 134.

BIRMINGHAM: PUMPS: 138 - 19

Number.	Date.	From or To—	Subject.	
298317	4-11	Boston	Lubricating oil pump - confirms telephone. D	
451432	10/14	Squad. 4 Pacific Flt T	Reqst immediate shipment of one water end complete for main feed pump - Y	
		1922		
647888	11/1	Spec.Serv.Sqd. (T)	Request water end of main feed pump be ordered for delivery to Boston. Y	

NB—0120

[OVER.]

BIRMINGHAM: VALVES: GENERAL.

1914

Number.	Date.	From or To—	Subject.
126509	6/1	CO	Manifolds and main valves and fire extinguisher piping from drums to firerooms; request be shifted. Y Fwd Boston via CO—directs removal of fire extinguishers 6/8
		1919	
404471	3/19	CO	Valve gear now being installed - 3/19

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Number.	Date.	From or To—	Subject.	

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[OVER.]

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BIRMINGHAM VALVES: general 1

FILE No.		From or To— (Dated)	Subject.	
35560	3/27	C.O.	reports stop valve boiler H badly cracked; not safe for use: reqt new one be shipped.	138--10
43932	7/6 7/14	C.O. Bost 5270	Reqt. repairs to feed stop valve boiler I. Y	
47370	8/12 8/18	C.O. Bost 6268	Reqt. installation of 6" cut-out valve in aux. steam line. Y&D	
			1912	
59022	1/17	C.O.	Boiler stop valve to Boiler H. Y	
62556	3/1	To Norf.	VALVES: reports unsatisfactory firbrq, Asks where obtained, and if any more are instock	724
			1913	
100648	7/7	To CO, Phila, Bost.	Boiler stop valves; directs replacement of Fore River design.	138-10
100648	7-1	Dept	Accident to boiler No.4;	138-10
			1914	
121995	3-28	CO	Reqt master valves be installed on certain lines. Y Fwd Bost. for est and rec. 4/16. rh 7 6 Fwd Dept. rec appr. 7/8. RB 7 10 appd To Bost. appd. 7/11.	

NB—0120

BRIMINGHAM ALLOWANCES ETC 1922

Number.	Date.	From or To—	Subject.	
634897	7/15	CO	Request new allowance books be furn.	Y
			To CO Gives instrns 8/1	
			CO 10/21 Fwds allowance book Y	
			To Boston- Gives action taken 11/24 RB 12/13 Y	
			To CO- Fwds allow 11/24	
648381	11/9	To CO	Gives change in allowance list cc E~ SO vessel Comdt EOSO Boston L Y	

4—3381

Number.	Date.	From or To—	Subject.	

BIRMINGHAM: ALLOWANCES. -1920-

Number.	Date.	From or To—	Subject.
491451	4/27	CO	Cast iron grate bars recd are of inferior quality - Reqst special allotment be made covering manuf of two thousand mild steel bars - Y (Cross to 10 & grate bars) To CO- Reqts disappvd. 5-12 CO-6;5-Y
492964	4/28	BIRMINGHAM	Standard fuel allowance; gives scales showing conditions of old and present operating conditions; F M 138-2
524577	10;15	CO	Request portable tools and appliances listed be added to allowance list.Y To CO gives addns to allow list cc EO-SO ves- EO SO MI 10-22
524576	10;15	CO	Request portable drill with aux and motor be added to allow list.Y To CO Gives list of changes in allow cc SO - ship- EO- SO MI 11-4
534308	12;3	CO	Request increase in quarterly money allotment.Y fwd S&A 12/17
548309	2;25	CO T	Request increase in quarterly money allotment.Y To CO (T) Addnl allotment authd cc S&A 2/26
551482	2;26	CO	Request increase in quarterly money allotment.Y To CO 3/19

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N.S.E. Form 134.

138-27:BIRMINGHAM: ALLOWANCES:

Number.	Date.	From or To—	Subject.	
562967	5;4	CO	Request increase in quarterly money allotmt.Y To CO Increase authd 5/12	
573340	6;30	CO	Reqt addtl coal allowance fiscal year 1920 and 1921.Y Fwd Operns 7/13	
576512	6/27	CO BIRMINGHAM	Request addtl money allotment quarter ending 9/30 Y To USS BIRMINGHAM- T Resubmit request additional allotment accordance Buseng circular letter A-1	
580547	7;31	CO	Annual inventory completed.Y	
580752	7;31	CO	Annual inventory completed.Y	
582873	8;17	CO	Reqt addtl allotment $1500.Y To CO Allotment authd cc S&A 9/1 RB 1/17/Y----Fwd Pacific Fleet via C-I-C Pacific Fleet 9/2 ~~CO-detailed reasons for reqting-9;9-Y~~ To C via Pacific Fleet Allotment Authorized cc S&A 9/17 ~~Pacf. Fleet- Copy action to Destry Sqd. 11/10 Y~~ To CO- Gives Action 1/20/22 CO 2/2 Y	

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N.S.E. Form 134.

1919

2

BIRMINGHAM: ALLOWANCES

Number.	Date.	From or To—	Subject.	
396395	2;18	CO	Req. auth. to turn in certain articles Fwd CO. 2-26	Y
416741	5-12	To CO	Fwds revised allow lists. L	
420377	5;21	CO	Req. auth. to turn title "X" article listed. Y To CO Birmingham- Auth granted to turn into store articles listed. copy to Comdt Boston.5-27	
420378	5;21	CO	Req. auth. to turn Hirsch searchlight re Hirsch lanterns. Y Auth to turn into store ten copy to Comdt Boston- 5-27	
420539	5;21 5;22	CO Boston	Req. auth. to turn in distribution box search-light panel etc Y To- Auth to turn into store articles listed. 5-28	

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BIRMINGHAM: ALLOWANCE

1919

Number.	Date.	From or To—	Subject.
421114	5;20 5;26	CO C&R	Req. auth. to turn in chain hoists Y Fwd CO 5-27
433112	7/18	To CO BIRMINGHAM	Fwds approved cy of elec allow list Y
		-1920-	
474689	1-29	To CO	Reqt information re over expenditure of quarterly allotment of $550. Y ~~CO-reqt increase in allotment be auth-2;6~~ To- Additional allotment to be authorized. 2-18 Fwd S&A. 2-18
474546	1;22 2;6	CO C&R	Fwds reqn covering elec flat irons reqt be added to allowance list.Y To CO- Reqn modified to include one additional 6 lb. iron in excess.2-13
476574	2/11	CO	Reqst additional allowance of $800 title C- $300 title D - Y
4832845	3;17	CO BIRMINGHAM	Request increase in money allotment.Y Fwd S&A. 3-26

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BIRMINGHAM:Allowance

1912

1

Number.	Date.	From or To—	Subject.
67936	5-5	CO	Spare parts; reqt. shipment from Bost to Phila.Y To---via Phila.Home yard remains as Boston.5/7.
			1914 1913
139613	11-10	CO (Vrd)	Reqt authority to turn in pans received with steam proofer.R To G&R by hand.
			1915
171012	11-10	CO	SE allowance; fwds revised.R To--Returns with modi. 11/20
172011	11/20	CO	Reqt allowance list.R
173743	12/10	CO	SE allowance list; fwdsproposed.R
174077	12-14	CO	Elec; reqt.R
175143	12-29	CO	Reqt authority to turn in miex pumps, hose,etc eliminated from new allowance.R To Bost--(R) Auth granted. 1/3
			1916
180917	2-27	CO	List; elec; submits. R To-- Appvs with modi. 3/17 CO reports forwarding to Bost 4-7

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N.S.E. Form 134.

BIRMINGHAM: ALLOWANCES. 138-21

1916

Number.	Date.	From or To—	Subject.
188166	5-13	CO	Request authority to turn in gages and lanterns.R. Tp-- Appvs. 5/19
196811	8-17	CO R	Request Flag allotment quarter ending Sept 30.R To S&A by hand 8-17
			1917
215643	2-20	S&A	Copy of instructions to BIRMINGHAM for transfer titles under which Ardois signal set was carried.R.
229202	5/19	To CO	Gives amendment to allow. R
248917	9-14	To CO	Calls attention to instructions regarding revision of allowance books. R To- Reqts be informed when revised lists will be fwded. 11-9 To- CO - fwds allowance books - 12/8 R To- Fwds appvd steam allow list. 1-12
378259	1/9	To CO	Fwds allowance book

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[OVER.]

BIRMINGHAM: AIR COMPRESSORS. 1914

Number.	Date.	From or To—	Subject.	
121994	4-1	CO	Reqt repairs to torp air compressor. Y	
423072	5:17 5:26 6:4	Boston Ord C&R	Change in policy re: installation of gas ejecting system and machine guns fwds. prints D Fwd C&R. 6-10 C&R copy of action Boston 6:13	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

BIRMINGHAM: GAGES: ETC.

Number.	Date.	From or To—	Subject.
51656	10/14 10;17	C.O. Bost 7971	Gages; reqt. repairs.Y.
			1912
73218	7-11	CO	Reqt. Bailey double counters. D To Bost.Reqst status of work.7/17. Bost.7/20. No job orders issued.D To Phila.Directs work be undertaken.7/24.
			1913
			1914
137565	Lo-20	Bost. #3221-345	Cumming Engine Log sytem; aks existing main engine counter gear will be retained in connection with. To-- Removal appvd. 10/24
		1918	
295156	3-11	CO	Urgent repairs to Cummings Log automatic system. Y To Boston- Reqts take necessary steps to furnish material in enclosures fwded. 4-6 Bost - main spring has been shipped via NY 4/15 Fwd. 4-17 R B 6/29

N.S.E. Form 134.

BIRMINGHAM : GAGES: ETC 138 - 24 1922

Number.	Date.	From or To—	Subject.	
624292	5/16	CO (T)	Request ship klinger glasses. Y	
Bu N S A	Reqn 97/22	7/10 To O-I-C Hamp Tds	Gauge Glasses- Reqsts Inform Ra	

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138-25

BIRMINGHAM: RECORD OF WORK:

3

Number.	Date.	From or To—	Subject.
524008	9;30	CO PRAIRIE	Quarter ending Sept 30th.Y
526180	11;1	BUFFALO	Quarter ending September 30th.Y
537004	12;1	M IS	3-13 to 10-19.Y
539988	1/3	CO MELVILLE	Quartern 12/31 Y
541595	1/1	BUFFALO	Quarter ending 12/31/20
546276	2;5	M IS	3;13;20 to 10;19;20.Y
556986	4;1	CO MELVILLE	Quarter ending 3;31.Y
590744	10/1	CO MELVILLE	Quarter ending 9/30 Y
593483	10/31	BUFFALO	Quarter ending 9/30 Y
595662	11/14	PRAIRIE	Quarter ending 9/30 Y

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Number.	Date.	From or To—	Subject.	
595914	11/15	BUFFALO	Quarter ending 9/30/21 Y	
604791	JAN 1 1922	CO MEIVILLE	Quarter ending Dec 31st.Y	
606648	1;1	CO MELVILLE	Quarter ending Dec 31st.Y	
618269	4/7	M.I.	6/20/21 to 8/1/21 Y	

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BIRMINGHAM: RECORD OF WORK 1918 2

Number.	Date.	From or To—	Subject.	
312547	1-1	NY	4-7-17 to 6-7-17	
321026	6-20	Norf	Sept 17, 1916 to Mar 26, 1918. Y	
321959	5/1	CO	Month of May - Y	
382284	11;1	CO Buff.	Record of work completed during Oct. on	Y
451164	10-1	Mare Isl	Quarter ending 9-30. Y	
452055	10-1	CO Vestal	Quarter ending 9-30. Y	
468879	1;1	USS MELVILLE	1920 Quarter ending Dec 31st.Y	

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138-25: BRIMINGHAM: RECORD OF WORK:

1920

Number.	Date.	From or To—	Subject.
469734	1;1	USS VESTAL	Quarter endihg December 31st.Y
484149	3;15	M IS	2-9 to 3-12.Y
489328	4;1	CO MELVILLE	Quarter ending March 31st.Y
492763	5;1	CO PRAIRIE	Quarter ending March 31st.Y
503738	6-30	MELVILLE	Quarter ending 6-30-20; Y
513785	7-1	PRAIRIE	Quarter ending 6-30; Y
522530	10/1	CO MELVILLE	Quarter ending 9/30/20 Y
557232	4;1	CO BUFFALO	Quarter ending 3;31.Y
564655	4;1	PRAIRIE	Quarter ending 3;31.Y
573372	7/1	CO MELVILLE	Quarter ending 6/30. Y
580992	8;1	CO BUFFALO	Quarter ending June 30th.Y

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[OVER.]

BIRMINGHAM: RECORD OF WORK

1913

Number.	Date.	From or To—	Subject.	
101380	6-30	Phila	Oct. 16/12 to June 28. Y	
109134	10-30	Phila	10-3 to 10-16. Y	
109226	10-31	Phila	9-16 to 10-3. Y	
			1914	
121277	3-31	Phila	Dec 27 to Jan 31. Y	
123449	1-31	Phila	ditto	
151613	4-6	Bost	June 2 to Dec 31	
171691	11/18	Bost	Apr 9 to May 11.Y	
			1915	
172185	11-24	Bost	May 28 to June 30.Y	
182193	3-19	Bost	Oct 30 to Jan 6	
			1917	
229537	5/18	Bost	May 11 to May 17 Y	
234183	6/16	NY	Apr 7 th to June 7th Y	

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BIRMINGHAM: RECORD OF WORK.

Number.	Date.	From or To—	Subject.
236697	7/2	NY	Dec 13/16 to Apr 4/17 Y
239306	7/16	NY	Dec 13/16 to April 7/17 Y
243326	8/11	Bost	July 17th to Aug 8th Y
258057	10/31	Boston	July 17th to Aug 8th. To Report the numbers of engines covered by Job orders 2P31 and 3P33. Boston--11/23.Y
260050	11/10	Norf	Sept 30/16 to Nov 10/17 - Y
268341	12/18	Norf	Sept 30th/16 to Nov 10/17 - Y
277739	No	CO	Quarter ending Sept. 30 Y.
305576	5-8	European Force	Month of March. Y

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1922

BIRMINGHAM SURVEYS

Number.	Date.	From or To—	Subject.	
8/29 645415	8/29	Birmingham 42-23	Magneto, Carburetor, Gauge, Ameter Switch Y Fwds S&A 10/21 RB 1/25/23 Y S&A 12/7 Y	
645416	7/26	BIRMINGHAM 24-23	Mirror, Y	
645417	7/24	BIRMINGHAM 27-23	Hose, Y	
645418	7/26	BIRMINGHAM 20-22	Chuck, Y	
645419	7/10	BIRMINGHAM 10-22	Batteries, Shafts, Propellers, Manifold, Y	
645436	9/29	BIRMINGHAM 35-23	Pump spares, Lanterns, Portables, Telephones Y	
650329	10/17	2/23	Battery Drill Chuck lathe Y To CO- Reqsts number of engines 12/8	

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BIRMINGHAM SURVEYS 1922

Number.	Date.	From or To—	Subject.	
650469	11/9	33-23	Gauge Plunger Hose Y	

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BIRMINGHAM SURVEYS 1921 2

Number.	Date.	From or To—		Subject.
573255	6/27	MI	95/21	Hose, Heads Y
574158	7/1	MI	100/21	Motion picture machine, Rheostat Y
574162	p7/1	MI	-99/21	Transmission, Cover studs, Timing gear Y
575823	7/7	MI	97/21	Dynamotor armature, Battery, Hose, Vise Y
577012	7/15	Comdt	2-22	Vise Y
577234	7/20	Comdt	9/22	Type, Crank pin brass, Y
577235	7/20	Comdt	10/22	Thermometer Y
578400	7/25	Comdt	14/22	Batteries, Fans, Lamp Guage Y
578129	7/26	Comdt	15/22	Searchlight Y

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BIRMINGHAM SURVEYS 1921

Number.	Date.	From or To—		Subject.
578769	7/27	Comdt	7/22	Wavemeter Y
578768	7/27	Comdt	11/22	Reverse gear Y
596108	12;20;20	CO	1	Cylinder blocks.Y
628965	12/20	Birmingham	59-21	Cylinder blocks Y
630001	3/3	BIRMINGHAM	3/22	Coil Pumps Y
639343	5/1	BIRMINGHAM	16/22	Propeller Drills Registers Gauge Y
639345	5/8	BIRMINGHAM	9-22	Gauge Y Fwds S&A 9/8 Ye
645413	9/19	Birmingham	1-23	Shafts, Propeller, Y

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BIRMINGHMA: SURVEYS:

Number.	Date.	From or To—		Subject.
477752	2;17	M IS	44/20	Sterling engine & parts.Y
477723	2;14	M IS	52/20	Various material.Y
477832	2;18	M IS	58/20	Lathe chucks ~~in~~ & engine cylinder blocks.Y
478829	2;21	M IS	65/20	Engine piston and ~~general~~ chain fall.Y
480623	3;2	M IS	68/20	Willard batteries.
480624	3;2	M IS	67/20	Radio apparatus.Y
481564	3;9	M IS	72/20	Carburetor.Y
481522	3;5	M IS	69/20	Vise.Y
482045	3;11	M IS	73/80	Engine ~~prix~~.parts.Y
516926	9;7	M IS	19/21	Main engine valve rods.Y

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BIRMINGHAM SURVEYS

Number.	Date.	From or To—		Subject.	
517878	9/8	M Is	17/21	Fly wheel starting gear, tachometer cable, connecting rod, muffler, etc Y	
519225	9;15	M IS	33/21	Machinists rules.Y	
519207	9/16	M. Is.	29/21	Dry cells, transmitting bulbs,batteries,etc Y	
519208	9/16	M Is	28/21	Bosch magnetos Y	
523556	10;7	M IS	37;21	Elec drill.Y	
525244	10;18	M IS	45/21	Gaskets.Y	
525246	10;18	M IS	44/21	Starting motor.Y	
527223	10;12	M IS	42/21	Willard battery.Y	
525665	10-20	Mare Is	36-21	Motor boat engine parts; Y	
560130	4/8	Birmingham	84/21	Magneto Y To CO Reqst Inform 4/30 RB-5;16-Y	
573256	6/27	Comdt	94/21	Extractor, Bars, Buckets Y	

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[OVER.]

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BRUTUS: MOVEMENT: ASSIGNMENT: ETC.

FILE No.	From or To— (Dated)	Subject.	
29083 1/14	Dept	ATLANTIC FLEET: to leave Hampton Rds Jan19	493
		1912	
		1913	
103044 8-6	Dept 8055-195	To tow A-1 to Norf, barges 135 and 136 Norf to Phila. Y	
		1915	
161204 7-20	Dept	Ordered to Mediterranean to carry supplies for fleet. Y	
162525 8/2 8/3	Chasn T C&R	Ready to sail Aug: 4th.Y Fwd Dept-- Noted. 8/5	
		1919	
428872	6;26 Div #2 Pac Flt 714	Copy - Submits report of movements and sailing of vessel. A Chaser 305 sailed with BRUTUS A	

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BRUTUS: ELEC PLANT

1913

Number.	Date.	From or To—	Subject.
111703	11-22 12-2	Co ~~Dept~~ 8055-202	C&R alterations; recommendations requested re changed elec eng. telegraphs and night signal keyboard.L To Dept.Rec disappr items 5 and 13.12/3 Fwd C&R.12/3 RB Dec To CO.items 5 and 13 disappd.12/8.
			1915
151592	3-23	CO	Reqt repairs to conduit, elec light, binnacle, dynamo armature, overhaul generators, wiring.L To Chas--Fwds copy of for action 4/7
53 353883	9-30 12;9	Mare Is. Mare Is.	Tel. request ship leaded and armoured cable listed to for L To M Is (T) Cable covered by shipmt orders 10-2 To S&A Rqst shipmt cable NY to M Is, 10-4 To S&A Rqst shipmt Cable Boston to M Is 10-4 To S&A Rqst shipmt Cable Pg Sd to M Is, 10-4 RB 11;19 To-- Reqts if mat'l reced., 11-18

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Number.	Date.	From or To—	Subject.	

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BRUTUS: INTERIOR COMMUNICATION SYSTEM:

Number.	Date.	From or To—	Subject.	
39070	5/15	Chasn 93-900	Estimates for fitting engine room telegraphs on flying bridge.L. Fwd Dept. via C&R. Rec appr. 5/20.RB 6-5 Disappd	
56661	12/18	Chas. 93	Remove telegraph wires to enable Hull Div. to repair plates.	
			1912	
			1913	
			1917	
231827	5/16 6/1	M Is C&R	Submits estimate for fire control voice tubes in pilot house to guns.L Fwd C&R--6/5	
233021	6-9	C&R	Installation of fire control voice tubes.	143-5
246477	8/13	CO	Submits report on status fire control L	
338174	8-17	To C&R	Fwds inform re voice tube alterations ~~2-17~~ L C&R 8-23 copy instructions to Mare Island - L C&R 9-23 fwds copy of instructions to M Is - L	

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143-4 BRUTUS INT. COMMUNICATION SYSTEM: 1918 1

Number.	Date.	From or To—	Subject.	
359971	~~10;19~~ 10;13	C&R CO	Req. installation of voice butes L Fwd C&R 10-22	

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BRUTUS: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.
355191	10/4	M Is T	Request supply ship with one 18inch searchlight - L Mare Is. tel. req. action 10;16 To M Is,(T),re searchlight 10-17
355693	8/8	CO	Request install mushroon ventillator end top of radio room - install four inch line to ballast tanks etc. Y
355872	10-7	To S&A	Rqst shpt searchlight Pg Sd to M Is L To S&A Rqst shipt searchlight NY to M Is 10-14 Shipment order Oct. 7 back Nov. 8 Shipment order Oct. 14 back Dec. 27
422202	5-21 6-4	Mare Island C&R	Rqst convert present support for look-out station over towing engine into searchlight platform - L Fwd C&R. 6-7 C&R 6/11
500252	6;17	M IS	Parsons 50 kw generator not giving satis service-request auth to remove and install 25 kw generator removed from BEAVER.L To M.I.(T) approved 6-18

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Number.	Date.	From or To—	Subject.	

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[OVER.]

BRUTUS: LIGHT & POWER SYSTEMS:

Number.	Date.	From or To—	Subject.	
38623	5/10 5/10	C.O. Chasn 93-900	Overhaul dynamo engine.L.	
45808	7/23 8/1	C.O. B st 5757	Reqt. work on cargo winches and dynamo engine.L	
48715	9/11	C.O.	BRUTUS: repairs to valve gear, dynamo engine etc	143--8
55729	11/29 12/6	C.O. Chas. 93	Dynamo engine; renew key in valve gear.L	
			1912	
			1913	
		1914		
143102	12-17	CO	Reqt spare armature for gen set.L To B.F.Sturtevant Co--Reqt quoation for furnishing above. 12/31 Sturtevant Co quotes price 1-5 To--Reqn prepared for; will ship as sonn as recxd. 1/8	
		1915		
		1917		
233021	6/9	C&R 4	Installation of fire control voice tubes L	

N.S.E. Form 134. 143 - 5

BRUTUS: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.
235232	6/13	M Is	Alterations - install lighting fixtures L T o--Appvs est.6/28
265250	11/27	CO	Request be furnished with additional 15 KW dynamo - L Fwd Dept-12-8 R B 12/12 To Mare Island-Dept auth install 12 1/2 125 volt reciprocating generator set. 12-18 Mare Island - 5-7
273564	1-15	To Mare Island 13	Alteration to increase refrigerating plant-facilities for transporting stores and men and accommodations for training of Reserve Officers and Gun's crew. LY M Is--1/25.L To(T)-Recommendations appvd. 2-9
306698	5-11	Phone Phila	generator set. Yd inquired if 24 kw set ex MINNEAPOLIS had been shipped to M Is for BRUTUS. Bu informed had not been shiped on account of not having wire to rewind. Yd reqted to have shipped and they woul do the winding. 5-11
308820	5-20	To Lt Gerald Howe	Re telephone conversation 11 AM May 18 re generator sets held up shipmt because necessary wiring for rewinding and will have rewinding completed and generator shipped, E L

NB—0120

[OVER.]

BRUTUS: RADO

1916

Number.	Date.	From or To—	Subject.	
209908	12-22	Pac Flt	~~Reports on inspection.~~ W	
			1917	
219048	3/23	To S&A	Reqt shipt of ultra audion detector, etc., from Wash to. W	
224091	4/21	To Chasn	Change of position, oscillating transformer, ~~recommended, small key and relay~~ . W Chasn - states correspondence fwd to M Is 6/4 M Is - Change in position of transformer not necessary 5/31 W	
236626	6/27	M Is	Reports change in radio apparatus W	
246433	8-29	To M. Is	Job Order on BRUTUS & NERO. disappvs install of charging panel for audion E batteries.	898
254092	10-5	CO YORKWOWN	Reports transfer of audion detector with bulbs from, to YORKTOWN; reqt be made permanent.	492-6

N.S.E. Form 134.

BRUTUS: RADIO - 143 - 6

Number.	Date.	From or To—	Subject.
256693	10/16	Bost	Reports on radio apparatus assigned to-W
339339	—	—	Letter from Pacific Flt in connection with 5 KW radio set for confidential files.
382781	12;27	Mare Is.	Fwds descriptive booklet covering installation of radio tel. on
5 504421	7;10	M IS T	CO requests amplifier be issued.W To M.I. (T) appvd 7-12
552330	3;11 3;11	CO Pac Flt	Request long wave receiver be installed.W To CO via Pacific Fleet Disappvd cc Comdr train Pacific fleet 3/24

NB—0120

[OVER.]

BRUTUS: WIRELESS PLANT:

Number.	Date.	From or To—	Subject.	
38743	5/13	Chasn	Reqt. installation set; submits estimates; can transfer one installed on BALTIMORE. W To -- Removal not auth. No set suitable at present.5/18.	
52840	10/14	C.O.	Overhaul telegraph.	143-8
			1912	
76155	8/20	TO VIRGINIA & BRUTUS. T T	Directs transfer old radio set to BRUTUS.W	
76717	8/26 8/29	To Boston Bost.	Reqt estimate for installation of new set W Radio set;cannot submit est.until arrival of vessel.W	
			1913	
93990	3-29	Bost 3537-351	Radio set; reqt. orders to estimate for installing be recinded; Chasn home Yard.W. To--- & Chas.Reqt Chas.submit estimates for installation of set removed from VIRGINIA and mfr of antenna.4/3.	
100706	7/2	To Chas.	Radio set; request estimates for installation of set removed from VIRGINIA be submitted as soon as practicable.W	
101145	7-6	Chasn	Estimate for installation of.W To---appd.7/10. Fwd C&R.reqst appr C&R work.7/10. RB 7-16	

N.S.E. Form 134.

BRUTUS: RADIO 143-6

Number.	Date.	From or To--	Subject.	
105336	9-8 9-9	CO Phila	Reqt. new antennae, spark gap, etc. Y To-appd 9/10 To Phila.: Job orders should be transferred to Chas. 11/15	
			1915	
149131	3-6	Phila	States reqn- receiving set 121 was replaced by 273. W To-- Change satis. 3/9 Norf was removed from TENN 3-13	
173644	12/3 12/11	CO Phila	Estimate repairs radio set. W To Phila--Expedite est for installation of radio trans set with wave changer. 12/13 To S&A-- Reqt for shipment. 12/13	
174196	12-18	To CO.	Radio receivers; asks disposition of. W RB 12/22	
			1916	
175471	1-5	Phila	Estimate for installing Lowenstein set. W Fwd Dept-- Rec appvl. 1/7 RB 1/10 To--Appvs estimates 1/11 To S&A-- Reqt shipment trans set from Phila to NY. 1/11	
177235	1/26	Phila	STERLING: reqt authority to remove receiving set now on BRUTUS; latter vassel has 2	412-6
178621	2-9	Phila	Submits additional estimate for installing radio set. W To-- Appvs. 2/15	
194834	7-28	To CO.	Repairs to secondary winding of radio transformer should be reqtd of home yard. W	

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[OVER.]

1921

BRUTUS: MACHY PLANT:

Number.	Date.	From or To—		Subject.	
561711	3;25	M IS		Request instrns be furnished relative to decommissioning of BRUTUS & COMFORT.Y Fwd Operns 4/6 To MI Gives instrns 4/7 Dept-copy of action to Mare Islandxxxp 5;4 D	305-771
572611	6;30	M IS	copy	Vessel will be decommissioned July 20th.A	
572694	6/30	MI	Copy	BRUTUS will be decommissioned 7/28 ; date for NERO indefinite. A.	
576067	7;19	M IS	copy	Recommissioning postponed until Aug 15.Y	
581377	8;17	M IS	copy	Vessel placed out of commission.Y	
581424	8;17	CO	Copy	Vessel placed out of commission.Y	
		1922			
615838	3/28	Dept		BRUTUS & POMPEY placed on list of vessels to be sold. Y	8

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BRUTUS MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.	
616147	3/30	Dept	Directs appoint board of Survey and Estimate Y	
620648	3/11	Mare Isl.	Report o board of Survey nd Estimate prior to sale. Y Fwds Operns via Ordn 5/3	
624448	5/19	Dept	Vessel will be sold as a ship after removal of matl listed Y	

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[OVER.]

BRUTUS: MACHINERY PLANT:

Number.	Date.	From or To—	Subject.
506402	no date	Bd I&S	Report on matl inspn held June 1st.Y M IS-T-recommends installation of steel link locks and fitting compsn bushings to ~~ma~~ stems-7:21-D cross to 9 To MI (T) Alt link blocks auth in manner recmd 7-23
507594	7;20	M IS	Report of estimates incident to matl inspn.Y fwd Sec 8/6 RB-8:14-Y To MIreqst completion as outlined 8-16 M IS-8;26-Y
508732	7;28 7;30	JAG Dept ERROR SEE 142-8 BROOKLYN	Report covering unsatis condition of engineering matl on board.D&F fwd Opr 8/6
509321	8;3	Pac Flt copy	BRUTUS ready for service about August 15th relieving ASTORIA.A
510927	8;9	M IS copy	Vessel will be delayed until August 18th.A
512372	7;9 8;16	Asiatic Fleet Navgn	Report on efficiency inspn.Y fwd Oprns via Ordn M&S S&A 8/20
513099	8/21	CO Copy	Expect to arrive Pug.Sd. 8/25 A.
513730	8/25	Pug.Sd. Copy	Arrived Pug.sd. 8/25. A.

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143-8: BRUTUS: MACHY PLANT:

Number.	Date.	From or To—		Subject.
517897	9;17	M IS	copy	Vessel left M IS for San Pedro.A
520356	10;1	Pac Train	copy	Vessel at SanDiego overhauling machy.A
522111	10;9	CO	copy	Vessel left Frisco for Samoa.A
524340	10;20	South Seas Pac Co	copy	Can furnish corpa purchased from Island Government for ballast on.A
524607	10;19	CO	copy	Gives position of vessel.A
525965	10;28	CO	copy	Gives position of vessel.A
526456	10;30	C_6	copy	Gives position of vessel.A ~~Tutuila-copy-Vessel arrivee-10;21-A~~
550808	3;9	CO	copy	Vessel placed out of commission.A&Y
552424	3;18	Dept		Copy of letter to Pac Flt directing vessel proceed to M IS to be placed out of commission.A
553150	3;22	Dept		Copy of letter to M IS directing vessel be placed out of commission.A

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[OVER.]

BRUTUS: MACHINERY PLANT.

Number.	Date.	From or To—		Subject.	
459700	11-24	12th Dist. (copy)		BRUTUS for Puget Sound.	Y
461909	12/6	13th Dist	Copy	Vessel will arrive at M Is 12/10 - A	
462821	12;12	CO	copy	Vessel arrived at Carquinas Straits-M IS-copy-vessel arrived-12;11	
463156	12;18	Pac Flt	copy	Vessel will take cargo of coal to Samoa recommends docking at M IS when finished.A Dept-copy of action to M IS-12;23	
464231	12;18	M IS	copy	Request authority to renew 5 cargo booms-paint bottom,etc.Y	
464341	12;19	M IS	copy	Vessel left for San Pedro .A	
464797	12;20	Dept		Copy of telegram to M IS making vessel available for repairs.A&Y	

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N.S.E. Form 134.

143-8: BRUTUS: MACHINERY PLANT:

Number.	Date.	From or To—		Subject.
465097	12;23	Dept		Instructions in connection with holding material inspection.Y
Bd I&S-returns		corres-7;22-Y		To Bd I&S-Fwds correspondence.1-2
			1 9	2 0
466688	1;2	M IS	copy	Vessel arrived at M IS.A
483866	3;26	Tutuila	copy	Vessel left Tutuila.A
484421	3-30	To Pug Sd		Cancellation of job orders listed. copy to CO. Y
485854	4;5	Pac Flt	copy	Request action in connection with docking of vessel.A Dept-copy of action to Pac Flt-4;8-A
487496	4/14	14th Dist	Copy	Reqst vessel remain at Honolulu to clean boilers and overhaul - AY Dept-copy of action to 14th Dis-4;15-A&Y
488058	4;17	Pac Flt V O I D	copy	Request vessels be made available at Pug Sd for overhaul in order listed.Y
488057	4;17	14th Dis	copy	Vessel arrived at Pearl Harbor.A

BRUTUS: MACHINERY PLANT

Number.	Date.	From or To—	Subject.
414826	4;29	Pac Flt	Copy - will be completed May 17 provided Bur. allotts nec. funds A
To Mare Island (T)-Is additional allotment required to rush work on. 5-1			M Is. tel. additional armature not required 5;1
414448	4/28	M Is	Requires repairs to crank shaft - ice machine - boilers - overhaul pump - Y
			To Operations. Quotes above for information. copy to Mare Island. 4-29
			M Is - (T) Crank shafts out of alinement - reqst extension completion date to 6/7 - 5/7 (Cross to 9)
			Dept - copy of telegram to M Is approving-5/8
416950	5;8	Dept	Copy of despatch Mare Is. directing despatches be addressed Operation instead of Bureau. Date of completion set June 7 A
433923	7;15	CO copy	Arrived at Manzanillo.A
434196	7/21	CO Copy	Departed Maganillo for Capulco - A
436297	7;30	CO copy	Arrived at Corinto July 30.A
437245	8/2	9th Dist Copy Void	Eagle 21 commissioned 7/31 instead of 7/27 - D

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143 - 8: BRUTUS: MACHY PLANT.

Number.	Date.	From or To—	Subject.
437247	8/4	CO Copy	Vessel left Corinpe 8/2 for Ampala.
437945	8/7	Pacific Flt Copy	Vessel will discharge all cargo coal given Cruisers at Ampala - A
438718	8/9	Cruiser Force Copy	Vessel arrived at Anapala - A
439371	8;13	Pac Flt copy	Request authority be obtained to give vessel cargo of coal at Panama
439359	8/12	Div. 2 Cruiser Force Copy	Vessel sailed from Amapala for Panama. 15th Div. copy - reqst make arrangements to coal vessel at Panama - 8/12
439477	8/13	Pacific Flt Copy	Reqst arrangements be made with Panama Canal to supply vessel with coal - A
441435	8;~~1~~23	15th Dis copy	Vessel ~~xxx~~ arrived Balboa Aug 23.A
442306	8;27	Cruiser Force copy	Vessel arrived at AmaPala.A
444605	9;9	CO copy	Arrived Pichilinque September 9th.A
447528	9;25	CO VESTAL	BRUTUS arrived San Pedro.A

BRUTUS: MACHINERY PLANT:

Number.	Date.	From or To—	Subject.
284339	12-11 12-28	Operations C&R	& NANSHAN alterations - mostly hull. Y D Fwd Operations. 2-26
307990	5-5 5-16	Pacific Fleet Dept	& NANSHAN have made arrangements with Mare Island for installation of ice machine and miscellaneous repairs. Y Fwd Dept. 5-20 To (T) Fullam, mfgrs promise express shipment to M I ice machines, 5-20
308677	5-21	Fwd C & R	Authorizing alterations, Y R B 6/1 To M Is. Alterations authorized except Item (a) 6-3 Mare Is. stop valves not considered necessary. Y (X 20) To M Is, re alterations, 9-13
324085	6-22	Mare Island	Alterations to increase refrigerating plant - facilities for transporting stores and men and accomodations for training reserve officers and gun crews. Fwds various prints. Y & D C&R - copy of instrns to M Is - 7/24 To M Is. authorizing alterations 7-26 Mare Island Nov. 19 - Copy of letter to C&R fwding various prints showing alterations Y X&R Dec. 11) Copy of letter to Mare Island approving

N.S.E. Form 134.

BRUTUS: MACHINERY PLANT 143 - 8

Number.	Date.	From or To—	Subject.	
348496	9-13	M Is	Gives list of boxes required To S&A Rqst shipmt elec mat'l Ports to M Is, 9-17 To S&A, Rqst information re above shipmt 10-10 Shipment ord. 9-17 RB 5-12	
355693	8/8	CO	Rqst install mushroom ventilator and top of radio room--install four inch line to ballast tanks etc To Mare Is, dissaproving alterations 10-8	143-5
356301	10;1	CO	Rep. on condition of machinery Y	
		1919		
385790	1;2	CO	Submits report on condition of machinery in boilers: qtr. ending 12;31;18	
387099	1;24	Mare Is.	Copy repairs to boilers and steering gear necessary for safety of vessel Y	
411688	4;3 5;1 To York Mfg. Co. 5-3 To CO and NANSHAN- Mare Island S.O. M Is. York Co to furnish complete set of cylinders liners, 5-3	CO York Mfg. Co	Reports on condition of boilers and mach. Y To York Mfg Co- Inform if shipt of pistons made giving all details of shipt. 4-22	

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BRUTUS: MACHINERY PLANT:

1916

Number.	Date.	From or To—	Subject.
196781	8-16	To CO.	Submit reqt for repairs to remedy defects beyond capacity of ship's force. Y
196898	8-16	Pac Fleet R Copy	Sent M.Is for 10 days urgent repairs.Y
197043	8-17	Dept	Directs material inspection.Y To Bd I&S no corres on file 8/21
198202	8-30	Chasn	Request instructions re shipping spare parts, etc to M.Is.Y To--See 195526-143-8. 9/1
200151	9-23	Dept	Repair limit extended Oct 5. y
200291	8-28	Bd I&S	Material inspection.Y
201472	9/29	M Is	Report of Board of Survey & Estimates.Y Fwd Dept--10/18 RB 10-21 To--Fwds enclosures showing action on.10/21
225872	5/2	Pac Flt copy	Being towed to M Is.Y

1917

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143-8 BRUTUS; MACHINERY PLANT.

Number.	Date.	From or To—	Subject.
226399	5-4	Pac Flt	BRUTUS in tow; arrived San Diego.Y
226589	5/5	Pacific Fleet Copy	Being sent to M Is in tow Y
227272	5/9	CO	GLACIER is towing - conditions satisfactory Y
248993	9/3	Pacif Flt	& NANSHAN recommends be fitted as supply vessels - Y Fwd C&R via S&A—9/15
268897	12/21	Dept	& NANASHAN cancels instrns for fitting out until such alterations and repairs ~~to~~ be undertaken, necessary to enable to continue operating in present condition - additional ice machine and re-arrangement of cold storage spaces will not be undertaken - A Dept--& NANSHAN-directs alterations to fit supply vessel to transport men,training of officers, etc.A To M Is-Fwds copy of Dept's letter Jan 29th. Reqts submit recommendation re alterations necessary To Mare Island- Inform when recommendations 1-14 reqted will be fwded. 3-16 Mare Is - & NANSHAN - Will submit plans about April 2nd and 15th. Y 4-2 M Is - will submit report - NANSHAN report submitted 4/9 . - 4/9

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BRUTUS: MACHY PLANT. 1915

Number.	Date.	From or To—	Subject.	
151593	3-23	CO	Reqt repairs to piping, exhaust valves, ballast pump, revolution counters, etc.Y To Chas-- Fwds copies of reqt for action.	4/6
154516	5-22	Phila	Reports list of active JO on	290-8
160968	7-17	Dept	Directs material inspection Chasn.Y	
160966	7-17	Bd I&S	Reqt repair papers.Y To-- Fwds. 7/20	
126224	7/31	Dept	Date of completion Aug. 7th.Y	
163380	8-13	BD I&S	Material inspection; report.Y	
165410	9-7	Chasn	Report of board survey and estimtes.Y Fwd Dept--Recommendations.9/14 RB 9/17 To--Gives action on. 9/17	
171812	11/20	Dept	Reqt recommendation re sending to other than Chasn Yd for repairs.Y To--Rec be ordered Phila for repairs.11/24	
172285	11-26	Dept	Approves urgent repairs Phila.Y	

N.S.E. Form 134.

143 -- 8 BRUTUS: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
172107	11-24	To Chas.	Auth transfer all auth work to Phila. Y Fwd Phila-- 11/24	
173176	11-10	Dept	Military inspection; fwds report.Y Retd Via S&A-M&S-- Noted. 12/10	
174432	12/20	Dept	Jan. 31st, date of completion.Y	
176221	1/13	Phila R	STERLING; submits estimate for repairs; Dept desires to place in immediate commission to replace BRUTUS	412-8
177174	1-25	Phila	Submits list of work and time required in connection with repair limtt.Y Fwd Dept-- 1/26 RB 2/1	
177374	1-27	Dept	Repair limit extended to Apr 19. Y	
185699	4-19	Phila	Repairs completed.Y	
187275	5-9	Dept	Miliary inspection.Y Retd Via C&R-Ord-S&A-M&S--Noted. 5/15	
195526	8/3	Dept	Home yard changed from Chasn to M Is.Y To S&A--Reg. spare parts, etc from Chas to M.Is. 8/7	

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BRUTUS: MACHY PLANT.

1912

Number.	Date.	From or To—		Subject.	
83412	11-23 11-23	Norf Dept		Repairs on throttles and boilers will delay vessel until 27th. Y	
83560	11-25	Dept	8055-179	Norf reports will be completed 11-27. Y	
85331	12-11	Dept	805-184	Report of inspection held 11-23.Y Fwd S&A.12/18.	
				1913	
98110	5-24	Dept	8055-185	Will arrive Norf. for repairs about June 9.Y (R)to Chas.asks time required to install donkey boiler.5/26. Ret---via C&R.5/28. RB 6-11	BELOW
98163	5-26	Chasn	R	30 working days required.Y	
98110	6/11	SEE ABOVE		To Chas via Norf.Instructions.6/11 Ret C&R.6/11.	
99515	6-14	Dept		To be available at Chasn for 20 days after July 2. Y	
99834	6-17	Norf	3153-351	Sanitary report. Y Fwd Dept via C&R.6/19	
100655	7-1	Dept		Repair limit. Aug.15th. Y	

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BRUTUS: MACHY PLANT. 143-8

Number.	Date.	From or To—		Subject.	
101650	7-6	Dept		Asks why 25 days work at Norf was not transferred to Chasn.Y Fwd Norf, for report as to why carrying certain job orders.7/17. RB 7-28 Ret---7/28.	
102581	7-29	Dept	8055-194	Reports on inspection June 13. Y To CO.web of casting of stop valve of #2 boiler cracked. Asks what steps were taken to remedy during overhaul.8/18 RB 8-25 Fwd C&R.8/18.	
105088	9-4	Phila		Reports delay in leaving yard on account of unloading slide for OKLAHOMA.D. Fwd. Ord. 9-8	
110344	11-11	Dept	8055-201	Available for repairs Chasn for one month.Y	
111598	11/21	Dept		Reports military inspections:	493
			1911		
114052	1-2	Dept		Report of inspection.Y Ret---via Ord.1/5	
125897	5/12 5/26	S.N.A. Dept.		Reports inspection.Y Ref. dept. via Ord. & S&A 5/29	
140475	10-23	Dept		Military inspection.Y Retd-- Noted. 11/27	

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BRUTUS: MACHINERY PLANT: GENERAL:

Number.	Date.	From or To—		Subject.	
40215	5/31	Chasn		Corrects figures for authorized work. Y	
40377	6/3	Chasn	93-900	Submits estimates for repais to aux. steam line, and valves, main circulating pump.Y	
41122	6/6	Bd.I&S		Report of inspection.Y Fwd Dept. 6/19.	
41250	6/13	Chasn	93	Estimate for overhauling sea valve and repacking stern glands.Y	
41756	6/17	Chas.		LEBANON: gives dates upon which work will be completed	263--8
48277	8/31	Dept	8055-164	Inspection held July 18th.Y Ref. Dept. via S&A & M&S 9/12	
48715	9/11 9/14	C.O. Ports	2931	Repairs to valve gear, dynamo engine and pump.Y	
52840	10/14 11/2	C.O. Phila	351-2	Overhaul telegraph and renew several tubes in boiler "B". Y	
53534	11/14	Dept		Available for repairs Chasn.Dec.1st.25 days.Y To Chas.Directs undertake work.11/15.	
53563	11/5 11/11	C.O. Norf	6098-9340	Rept. repairs to leaky boiler tubes; steering engine and discharge pipe from bilge pump.Y	

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BRUTUS: MACHINERY PLANT: GENERAL. 143 -- 8

Number.	Date.	From or To—		Subject.
55597	12/8 12/8	Chas. Dept.	T.	Docking and propeller repairs authorized at Charleston; defer installation of donkey boiler as work is to be completed Jan.6th.Y Fwd C&R-Noted.12/9.
55728	11/29 12/6	C.O. Chas.	93	Requests repairs to pumps, valves, gauges, leaks on main boilers, lathes, ash pan doors of boilers, piping,etc.Y To Chasn-Estimates appd.12/12.
55823	12/6 12/8	Chas. Dept	T	Repairs; have authorized docking, painting and repairs to propellers; date of completion fixed as Jan.6th.Y Ret Dept-12/12.
55820	11/29	Dept.	8055-166	Report of inspection held Nov.10th.Y Fwd S&A-Items under S.E. undertaken.12/12.
				1912
66619	4-18	Dept		Date of completion 4-27. Y Fwd Norf. 4/19. RB 4-28
69831	5-22 5-27	VERMONT Dept		Vessel to be placed in service after July 1st; reports on condition. Y Ret Dept via C&R.5/28.
71489	6-11	Dept	8055-172	Reports inspection. Y Fwd S&A.6/20.
83018	11-19	Dept		Ordered Norf. to repair flushing, feed, and ballast piping and wash and inspect boilers. Y To Chas.Instrns to insp.cancelled.11/20.

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BRUTUS: MACHINERY PLANT: GENERAL:

1

FILE No.		From or To— (Dated)		Subject.	
33501	2/21	Dept		Report of inspection held Dec. 21. Y Fwd Nav. Noted.7/18.	
36734	4/8 4/21	C.O. Dept		Repairs to condensers;new windlass engine, etc. Will be ordered to Chasn. after return from Boston.Y To C.O.Instructions.4/24. To Chas.Advising.4/24. Met Dept via C&R 4/24.	
37346	4/28	Chasn	93-900	Work can be completed in about 10 days; gives list of work in hand. Y Fwd Dept.for its information.5/1. R.B.5/3.	
37437	4/29	C.O.		Submits list of repairs to aux. condensers, furnace fronts, valves main boilers, dynamo engine, etc. Y Fwd Dept.5/1.	
37520	5/1	Dept		Will arrive Charleston; docking and necessary repairs authorized at that Yd. Y	
37804	4/26	C&R	7955-E.243	Time required for repairs; reqt. copy of S.E. action on list.Y Fwd Dept. Bu quotes 36734-143-8 of 4/24. 5/5.	
38442	5/11 5/11	Chasn Dept	T	Reports repairs require 35 days; date of completion fixed June 20.Y Fwd C&R Noted 5/12.	
38626	4/29 5/10	C.O. Chasn	93-900	Repairs to aux. condenser, furnace fronts, lagging boiler and steam pipes, engine room telegraphs, install new evaporator, etc.Y To Chas. apprd 5/16. Correct clerical error in est.Y 5/12 To Chas. Apprd.6/2.	

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BRUTUS: MAIN ENGINES.

1912

Number.	Date.	From or To—	Subject.	
76362	8/17 8/19	CO Bost. 6032	Repair eccentric rod of main engine.Y	
83877	11-22 11-23	CO Norf 3221-351	Repair throttle valve stem.Y	
			1913	
			1916	
198345	8-21	CO	Remove present reversing gear and install new type.Y To M.I. appvd. 9-5	
414448 5/7	5/7	M IS	(T) Crank shafts out of alinement reqst extension completion date to 6/7.- 5/7	143-8
			1920	
506402	7;21	M IS T	Recommends installation of steel link locks and fitting compsn bushings to stems.D	143-8

1921

N.S.E. Form 134.

143- 9 BRUTUS MAIN ENGINES

~~1912~~

Number.	Date.	From or To—	Subject.	
591498	9/29 10/19	Pug.Sd. S&A	Fwds bill of Heffernan Engine Works ~~cov repairs on board BRUTUS. KY~~	

NB—0120

[OVER.]

BRUTUS: BOILERS:

Number.	Date.	From or To—	Subject.	
464838	12:2 ~~4~~ 12:12	CO Pac Flt	Request present donkey boiler installed on be removed.D&Y Fwd Operations. copy to CO and PAC FLT and Comdr TRAIN. 12-23RB-12:31 To CO- No work authorized. copy to Comdr TRAIN AND PAC FLT. 1-2	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

BRUTUS: MAIN BOILERS: 1912

Number.	Date.	From or To—	Subject.
64031	3-20	Norf W	Boiler work to be completed Apr.17h if stay tubes delivered by Apr.1st.Y
63086		SEE CARD #2	Boiler tubes. To Norf. esitmates appd.3/22. Fwd Dept.3/22. R 3-25
65066	3-25 3-29	Norf PO	Relative to reducing number of boiler tubes on reqn. 740. R Fwd S&A.item 1; 130 tubes will be procured.4/2.
66349	4-15	Norf Boiler work; earliest completion 4-27. Y	(W)to Norf.completion desired Apr.21st; asks if can do it by diverting force from NEPTUNE and by working shifts.4/15. (T)to Norf.reqst repoy.4/17.
66333	4/15	To Norf. W	Boiler work; asks if can complete by April 21st.Y
66498	4-16	Norf W	(Confirmation recd 4-17)Can complete boiler work by 20th;continuous shifts.Y To Dept.reqst appr.4/18. B 4-20 (W)to---Ship available until 27th; instructions.4/17.
76187	8/16 8/16	CO Bost. 5971	Repair leaking boiler tubes.Y
76701	8/24	CO	States six months have passed since boilers were last inspected and tested.Y To---& Chas.Directs Chas.insp.and test boilers at next visit to yard.11/19.

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1913

BRUTUS: MAIN BOILERS. 143-10

Number.	Date.	From or To—	Subject.	
99251	6-9 6-11	Chasn Dept 8055-186	Donkey boiler; installation does not require docking; Dept, allows 20 days for installation. Y Fwd C&R. 6/12.	
102587	8/18	To CO	Web of casting of stop valve of #2 boiler cracked; asks what steps were taken to remedy during overhaul period.	143-8
		1914		
114674	12-30	Norf	Reports on test of boilers. Y	
132241	8-7 8-14	CO Dept	Reqt main boilers be inspected, cleaned and tested; authority granted. Y	
		1915		
173977	12-14	Phila	Hydrostatic test of main boilers Reports on. Y Retd--Asks location of cracks. 12/17 RB 1/10 Fwd Dept--1/10 RB 1/15 To--(R) Submit reqn for new furnace. 1/10 Fwd Phila-- 1/15	
271963	1-8	To CO	Boiler tubes on hand at Norf- Gives list. Y RB 4-3 To S&A-Reqt shipt boiler tubes from Norf to Mare Island. 4-4 Shipment order April 4th RB 6-24	
		1918		
348496	9/13	Mare Is	Gives list of boxes required To S&A reqst shipt elec mtl Ports to M Is 9/17	143-8

NB—0120

[OVER.]

143--10

BRUTUS: MAIN BOILERS: ETC.

2

Number.	Date.	From or To—		Subject.	
42122	6/23	Chans	93	Reports on inspection of. Y Fwd Supervisor of Nav.Aux.6/26. RB 6-29	
45685	8/3	Chasn	93	Repairs to fire room floor plates.Y Fwd Bost.Estimates appear very high.8/8. RB 8-14	
52728	10/20 11/3	C.O. Phila	351-4-6	Boiler A. tubes leaking. Y	
52840	10/14	C.O.		Renew several tubes in boiler "B".	143-8
53563	11/5	C.O.		BRUTUS: reqt repsirs to leaky boiler tubes, etc.	143--8
55728	11/29	C.O.		REPAIRS: leaks on main boilers, ash pan doors etc	143--8
55865	11/29 12/7	C.O. Chas.		Requests repairs to main boiler, conbustion chambers, ash pans and evaporators.Y	
55862	12/6 12/8	C.O. Chas.	93	Request services of boys to scale main boilers.Y	
56665	12/5 12/14 12/20	C.O. Chas. C&R	27633-E.2	Requests bilge block plans be fitted in fire room. States floor plates do not fit close enough to prevent ashes from sifting through.Y Fwd Dept-Rec.item 1 disappd.12/21. RB 12-28 To Chas-Item 1 disappd.12/23. Fwd C&R-12/23.	

1912

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N.S.E. Form 134.

BRUTUS: MAIN BOILERS:ETC. 143-10

Number.	Date.	From or To—		Subject.	
58234	1/6	Chasm	93	Reports of result of test of boilers.Y	
61388	2-16	Norf	T	Inspected under steam 30 tubes leak; recommends thorough examination boilers cold. Y Fwd Dept.Rec be ordered to Norf.for examination.2/16. To---reqst report of examination.2/17. RD 2-20	
61762	2-15 2-20	C.O. Norf	1143-1764	Partial retubing may make serviceable for one year; believes should be entirely retubed. D Ref dept. by hand, RB 2-24 s'ppd To Norf.Instructions.3/2.	
62851	3-4	Norf	1367	Reports on examination boilers and submits estimates for retubing. Y	
63086	3-8	Norf	W	Boiler tubes; bids $830, 40 days, $1500, 20 days. reqt. instructions.Y Fwd Dept.Considers lower bid should be accepted.3/8. (T)to---Instructions: Chas.has 18' tubes.3/9 (T)to Chas. directs prepare for shipment.3/9. To S&A.reqst shipment.Chas.to Norf.3/9. RB 3-12 hm pdx To---Instructions.3/11. (W)to---Asks when can complete boiler work. 3/12. (W)to Norf.Reqst reply.3/19.	CARD #3
63333	3-11	Norf	W	States tubes not up set; gives bids of local dealer. Y Fwd S&A.comments.3/13. RB 4-4	
63666	3-6 3-12	C.O Norf	1537-2316	Estimates for scaling combustion chamber sides main boilers.Y	

NB—0120

[OVER.]

BRUTUS: MAIN BOILERS: ETC.

FILE No.		From or To— (Dated)	Subject.	
33746	3/10	Key West 690	Reports inspection of boilers.Y Fwd Chas. 3/22. R.B.3/27	
35864	4/10	TO Price, Mchy.Co	Steel nuts for aux. boiler; reqt. place of Mfg.S	
35865	4/10	TO Bailey Lebby Co	Boiler rivets; reqt. place of manufacture.S	
36136	4/12	Bailey,Lebby Co	Boiler material; gives place of manufacture.S	
36768	4/20	Cramps Co	Parts for boilers; gives place of mfg.S To Chas. P.O. reqst for copies of cont.4/22. To Phila.Directs copies be sent to Cramps Co. 4/27. Ret Cramps.Directs insp.of steel plates and furnace. 4/27.RB 5-17. Fwd Chas in conn.with 38624,even date.5/17.RB 5-25	Fd
37437	4/29	C.O.	Submits list of repairs to aux. condensers, furnace fronts, valves main boilers, dynamo engine, etc.	143--8
38624	5/8 5/11	Cramps Sons Co Chasn 93	Complains of delay in inspecting boiler.S Fwd Phila. for comment.5/13. RB 5-17 Fwd Chas. 5/17.RB 5-25	
38622	5/8 5/10	C.O. Chasn 93-900	Reqt. boy scalers for scaling boilers.Y To Chas. apprd 5/16.	

Number.	Date.	From or To—	Subject.	
116513	1/30	Bost	Reports receipt of Ferro engine 3078, motor dory 974, from	611--2
125212	5/19	To CO	Correct log to show C&R registry number of the boat in which is installed type EE engine 2142	611-2
VOID 131874	8/8	To SATURN	Log reports motor dory to be 1156; correct number of 1166	611-2
131875	8-8	To BRUTUS	Motor dory 1291-is 2142 or 2192 correct	611-2
137535	10/16	Norf T	Reqt instructions re forwarding motor dory 842 to Guantanamo via BRUTUS	611-2
205301	11/11	C&R	1916 Assigns motor sailing launch 2954 in lieu of 1281	611-2
211088	12-29	M.IS	1911 1911 1917 Recommends assignment eng 2703 to motor sailing launch 2954 assigned BRUTUS	611-2
SE 19-71	2-12	To CO	Reqn for magneto for power boat engine.	Yb
394586	2/12	C&R	Cpy of tel to M Is directing subm no of boat assigned to BRUTUS	611-2
465101	12/23	C&R	Copy letter to Puget Sound authorizing issue 30' motor sailing launches to BRUTUS.	611-2 Y

143—11
N.S.E. Form 134.

BRUTUS: Auxiliary Machy 1920

Number.	Date.	From or To—	Subject.	
469991	1/17	C&R	Copy of telegram to Tutuila regarding shipment of boats for BRUTUS. Y C&R copy of telegram to Tutuila regarding shipment of boats for Mare Is 1/17.	611-1
497105	6/1	C&R	Copy of telegram to Puget Sound stating 30' m.s.l. will be furnished BRUTUS from Mare Is yard; Y C&R copy of telegram to Mare Is authorizing issue 30' motor sailers to BRUTUS: 6/1 Y	611-2
546221	2/25	To BRUTUS	Rqst numbers of power boat engines Y	611-2
564132	5;14	C&R	Copy of letter to M IS directing boats listed on board PROTEUS and COMFORT be turned in at M IS.Y	
570700	6/20	C&R	Copy of let to CO BRUTUS asking why boats placed on board for turn in at M.I. were not turned in. Y	611-2

NB—0120

[OVER.]

BRUTUS: AUXILIARY MACHINERY.

FILE No.		From or To— (Dated)		Subject.	
37257	4/25	Chasn	93-900	Donkey boiler; reqt. prints.D To -- Prints fwd.4/29.	
37519	4/24 4 27	C.O. Bost	3089	Ash hoist engine; reqt. new valve stem. Y To Bost. Work apprd.5/2.	
55597	12/8	Chas		Docking & repairs, defer installation of donkey boiler as work is to be completed Jan. 6th	143--8
55866	12/6	Chas.	93	New auxy boiler; estimates for installing and removing old.Y	
				1912	
64242	3-12 3-19	C.O Norf	1709-2507	Reqt. repairs to donkey boiler. Y	
67391	4-10 4-26	CO Norf	2400-3520	Repair ash hoist engine.Y	
79626	10/7	To Master	m	Motor dory 974, reqt.no.of engine which should be shown in logmfor quarter ending 9/30	6112
				1913	
111599	12/1	C&R		Have assigned 21' motor dory 1291 to, in lieu of 974.	611--2
				1914	

NB—0120

N.S.E. Form 134. 143-12

BRUTUS: CONDENSERS: MAIN & AUX. 1918 2

Number.	Date.	From or To—	Subject.	
309781	8-24	To CO	Re condition of condensers, rqsts report on same. Y	
		To Comm Pac Flt.	CO 6-4	
			To M Is. Commenting on condition of condensers	6-24
			Mare Is. Condensers type salt water ends. List 4 yrears. 9-3	
			To CO, quotes inform re condition of condensers	9-17

Number.	Date.	From or To—	Subject.	

4—3381

FILE No.		From or To— (Dated)		Subject.	
36396	4/14	Norf	213	Renewal fwd. Y Fwd S&A .Asks if cont.has been awarded on reqn.757. 4/22.	
36734	4/8	C.O.		BRUTUS: repairs to condensers: new windlass engine, etc.	143--8
38626	4/29	C.O.		Repairs: to aux. condenser,etc.	143--8
38888	5/16	S&A	115268	Condenser ferrules; states original contractors unable to make delivery; steps being taken to purchase elsewhere.Y Fwd Chas. Further information should be obtained from Norf. P.O. 5/17.RB 5-25	
39690	5/23	Chas.	93-900	Renew tubes in auxiliary condenser. Y	
43382	7/5 7/8	C.O. Bost	85114	Reqt. ferrules for main condenser be renewed.Y	
				1912 1913 1914	
124178	5-2	Ports	1839	Main condenser; reports on crack; repaired at cost $80. Delay ship 2 days.Y	
309781	5-24	To C O to Comm Pac/Flt.		Re condition of condensers, rqsts report on same, Y CO 6-4 To M Is. Commenting on condition of condensers 6-24	

NB—0120

Transferred to C&D 2.

BRUTUS: HEATING: VENTILATING & REFRIGERATION. 1918

Number.	Date.	From or To—	Subject.	
310416	5/26	Harrisburg T	& NANSHAN - ice macines shipped complete from York Manuf Co to M Is - Y To (T) Fullam, Ice machines complete shipped May 26 from Nord to M Is, 5-27 To M Is, same information 5-27	
324085	6-22	Mare Island	Alterations to increase refrigerating plant. Facilities for transporting stores and men and accomodations for training reserve officers and gun crews. fwds various prints.	143-8
387007	1-21	To CO	Condition of ice machine; reqts give detail report.Yo Copy to M Is and S.O. M Is	

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

1917

BRUTUS: HEATING: VENTILATING & REFRIGERATION.

Number.	Date.	From or To—	Subject.	
227708	5/10	Pac Flt R	Recommends installing three ton ice machine to vessel recommended as supply ship Y Fwd Dept via C&R--5/14 RB 5-18 To M.Is.--Install disappvd.5/19	
3 247522	9/5	Pac Flt R	Request M Is be authorized to install additional brine coil for cold storage.Y Fwd Dept--9/5 R B 9/8 To M.Is.--(T) Install auth.9/5 Fwd M.Is.--9/8 R B 10/23	
248433	8/20	CO	Submits report on cols storage equipment - Y	
249724	9-18	To Mare Is: Joint (T)	Subit report changes necessary NANSHAN and BRUTUS. M Is - submits estimate 9/22 Y C&R-rel to cold storgae space.Y10/2.	
249947	9/5 9/12	CO M Is	Additional piping necessary for cooling upper part of cold storage room.Y	
35455	4/20	York Mfg Co	Brutus - fwds print showing arrangemtn of ice machines and cold storage rooms-room too low to accommodate refrigerator machines D	629

N.S.E. Form 134.

BRUTUS: HEATING: VENT. & REFRIG. 143 - 13

Number.	Date.	From or To—	Subject.	
258617	10/22	M Is	Proposed cold storage and supply-states fwds plans and estimate. To- Plans satiz. 11-22	
263534	11/24	C&R	Copy of dispatch to M Is stating cold storage arrangement satisfactory - D	
78	12-17	M Is T	Ice machine for BRUTUS S&A have cancelled contract - state compressor already delivered. D	629
780	12-20	M Is R	BRUTUS - ice machine undesirable to have two different types on board. D	629
273564	1-15	To Mare Island	Alteration to increase refrigerating plant-facilities for transporting stores and men and accomodations for training of Reserve Officers and Gun's crew. LY	143-5
275966	1-23	To Calif (T)	2-4 ton CO two refrig plants one each NANSHAN & BRUTUS ordered. Regn 1228 Jan 18th. Plans will be fwded and yd advised when award is made. 1-23 D M Is - R - & NANSHAN - ask when may expect delivery of ice machines D	
		To(T)-Award made today ice machines. 2-14 M Is (T) York Manuf Co state cann t give definate date - 4/17 - D		
275966	1-23	M Is T	Ice machine; asks date of shipment; also status of NANSHAN machine. D	
280475	2-11	To CO (T)	Can ice machine 7 ft. 1 1/2" be installed ice machine room? Give height between decks. Wire. D CO 2-13 Radio. Gives type of ice machine room. D.	

NB—0120

[OVER.]

BRUTUS: HEATING, VENTILATION & REFRIGERATION.

Number.	Date.	From or To—	Subject.	
56372	12/14 12/15	C.O. Chas. 93	Requests yard furnish steam for heating plant while boilers areunder repairs.Y	
			1912	
76666	8/12 8/15	CO M.Is. 7817	Repair ice machine.Y	
			1913	
			1914	
141853	12-4	CO	Reqt 2 ton Brunswick ice machine.Y Fwd Dept Via C&R--Recommendations.12/19 1 5	
146040	1-14 1-30 2-1	Supt Naval Auxiliaries Bd I&S Dept	Board recmmmends ice machine plant in cold storage room; reqt comment.D Fwd Dept Via C&R-- Rec two tone ice machine be installed. 2/9 RB 12 appd Fwd Norf-- 3/13 RB 3/19 To Norf--Cancels instructions; work to be undertaken at Chas Yd. 3/19 To Chas--Auth installation of refrigerating plant; reqt estimates for work. 3/19 TO Chasn disap 8-21	
			1915	
159812	6-21 7-7	Chasn C&R	Proposed location of cold storage and ice machine Fwd C&R--Satisfactory. 7/13	
160271	7/8	Chasn	Submits estimate for installing two ton ice machine; fwds print.Y To--Appvs. 7/13	

N.S.E. Form 134.

BRUTUS: HEAT: VENT: REFRIG. 143-15 1916

Number.	Date.	From or To—	Subject.	
187583	4-28 5-11	CO C&R	Reqt cold storage refrig plans. Fwd Dept-- Comments on. 5/13 RB 5/18 Fwd C&R-- 5/23 To CO--Disappvs. 5/23 Supervisor reqt reconsideration 6-6 Fwd Dept Via C&R-- 6/15	
190276	5-10 6-1	CO C&R	Request cold storage plan; fwds copy of survey on spoiled provisions.DY Fwd Dept Via C&R--Comments on. 6/12 RB 6/21 To Chas--Auth installation refrig plant.6/22	
195607	6/27 8/4	CO C&R	Request installation of ice machine.Y Fwd Chas--Will change delivery on reqn 474 to M.Is. 8/8 RB Chasn advises all corres for work under SE forwarded to M Is 8/21 Brook change in delivery Chasn to M.Is asks who should instruct contractors 8-28 To Brook--Will change delivery to M.Is.8/30 To S&A-- Reqt change in delivery. 8/30 Chatard & Norris relative to figuring difference in cost 9-9 Fwd S&A-- 9/13 S&A reports shipment 10 /2 0	
198171	8-31	M.Is	Ice machine: recommends purchase on West coast in lieu of awaiting delivery machine originally ordered Chasn.Y To--(R) Disappvd. 9/1	
18	9/21	Brook T	Refrig app for Brutus; reqt for inspection 2 weeks.S To (T) Asks proble date ready for shipment. 9/21	629
201280	9-27	M.Is	Refrig plant; fwds plans of proposed arrgt machine, brine and ammonia lines.D To--Appvs arrgment.10/14 M.Is reqt drawings 10-13 To--Fwds drawing. 11/1 Brook asks if shipment shall be made subject to satis inspection and operation after installation if detailed drawings are not available 11-3 To Brook--Shipt will be made as outlined by Brooklyn's letter 11/3. 11/4	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
540650	1-19	To CO	Ask to confirm or correct records as listed CO-1;23-Y	Y
559531	4;15	M IS	Propeller report.Y	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

BRUTUS: Propellers and Shafting.

Number.	Date.	From or To—	Subject.	
55599	11/30 12/8	C.O. Dept. 8055-168	Reports breaking of propeller through fouling gas buoy; directs same be replaced; vessel at Charleston. Y Fwd Nav-12/9. To Chasn-Directs install new propeller.12/9.	
55597	12/8	Chas	Docking and propeller repairs auth.	143--8
55823	12/6	Chas	REPAIRS: date of completion fixed Jan6th	143--8
55863	12/6	Chas 93	Installing new propeller and examining tail shaft. Y To--Appd.12/13.	143--14
			1912	
57685	1/4	To Chas.	Shafts; Colliers to carry spare tail shaft on board. Directs ship take on board when opportunity offers.1/4.	
57994	1/8	Chasn T	Old shaft not in condition to be placed on board; will hold until next visit. Y To---appd.1/9.	
58386	1/9	Chasn 93	Estimates for repairs required to, shaft.Y To---appd.1/12.	
61383	2-6	C.O.	Reqt. authority ~~to~~ print of their new. D To Chas.Reqst plan of.2/17. BLRB 8-6 To---fwds print.3/7.	

N.S.E. Form 134.

BRUTUS: PROPELLERS AND SHAFTING. 143 -- 14 1913

Number.	Date.	From or To—	Subject.
			1916
203698	10/27	To Norf	Ask whether pattern for propeller of on hand. Y Norf no propeller patterns on hand 11-1
206992	12/1	To M.Is.	Directs manuf patters and spare propellers for, in accord with prints being fwded. Y
			1911917
234790	6/21	To M.Is. T	At first opportunity directs place spare propeller blades and hubs on NANSHAN SATURN and, to be retained on board. 14 14
234923	6/22	To S&A	Reqt shipt of spare propeller from M.Is. to.
			1919
387007	1-21 P	To CO void see 143-13	Condition of machy- Reqts give detail report.Yo Copy to M Is and S. O. M Is.
467050	1-5	To CO	Advise if spare cast iron propeller being carried on board. Y R B 1/26
511885	8;12	M IS	Propeller report.Y
			1920
539022	12;31	M IS	Propeller report Y To MI Gives instrns re propeller report 2/4/21 D

NB—0120

[OVER.]

BRUTUS: PIPING SYSTEM.

Number.	Date.	From or To—		Subject.	
38526	5/9 5/10	C.O. Chasn	93-900	Installation of 1-1/2 injector and nec-steam connections. Y Fwd Dept via C&R Rec appr.5/13. RB 5-22 To Chas. Apprd 5/23.	a'ppd
39164	5/17	Chasn	93-900	Remove and replace piping to permit C&R to repair tanks. Y To -- Apprd.5/23.	
55731	11/29 12/9	C.O. Chas.	93	Install direct pipe to injector of #3 tank. Y To Chasn--Appd.12/12.	
				1912	
67453	4-23 4-26	CO Norf	2396-3955	Repairs to steam piping to cargo winches. Y	
83656	11-19 11-21	CO Norf	3122-351	Repairs to piping. Y	
				1913	

N.S.E. Form 134.

143 - 15 BRUTUS: PIPING SYSTEM 1918

Number.	Date.	From or To—	Subject.
308414	5-1	CO	Install 3 inch pipe from present discharge line of ballast pump to deck. Y Fwd C&R, 5-22
		1919	1919
389158	1-13 1-20	CO Pac. Fleet	Req. install ind. suction lines to aux. feed pumps &D To Mare Island Items A & B are apvd. 1-29 Copy to CO Comdr Div 2 Fac Flt.

NB—0120 [OVER.]

143---17

BRUTUS: COAL AND COAL HANDLING GEAR. 1912

Number.	Date.	From or To—	Subject.	
73162	7/10	Norf.	Gives information as to mines of New River Coal Co. from which loaded.	623
			1913	
			1915	
171774	10/22	CO	Reports fire in coal bunkers in Colver coal	623

NB—0120

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Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

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BRUTUS: MACHINE TOOLS: 1920

Number.	Date.	From or To—	Subject.	
SE 16	3-16	To S.O. M Is	Reqn for motor-driven engine lathe.	Y

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

BRUTUS: PUMPS: GENERAL:

Number.	Date.	From or To—	Subject.
45869	8/4 8/9	C.O. Norf	Repairs to valve gear on ballast pump.Y
			1912
73469	7/8 7/9	CO Norf.	Repair auxy condenser pump.Y
			1913
			1915
171999	11/19	CO	Reqt repairs to ballast and fire pumps.Y Fwd Phila-- For action 11/26 RB 12/10
			1916
197518	8-23	M.Is T	Main circulating pump casing corroded; renewal necessary.Y Fwd Dept 8/24 RB 8/26 Operations available M.Is 8-25 Fwd Dept 8-24 To M Is (D) 8/26

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

BRUTUS: VALVES: GENERAL.

Number.	Date.	From or To—	Subject.	
55864	12/9	Chas. 93	Sea valves; overhaul.Y	
			1912	
			1913	
			1916	
201548	10/9	To CO	Automatic float valve in feed tanks. Removal of. Remove at once and rept to Bu. 10/9 CO reports removal 10-18 10-19	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

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N. S. E. Form 134.

BRUTUS: ALLOWANCE. 1920

Number.	Date.	From or To—	Subject.	
498594	6-10	To CO	Gives list of changes in allow list CC EO-SO vess. EO-SO M.I. Y.	
517876	9;11	CO	Request additional money allotment.Y	
541998	1;17	CO	Request additional money allotment.Y To CO Allot authd cc S&A 1/26/21	
567840	5;27	Pac Trn	Reqt addtl money allotment for forced boilers.Y To CO Addnl allotment authorized cc S&A 6/7	

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[OVER.]

BRUTUS: ALLOWANCE.

Number.	Date.	From or To—	Subject.
119275	3/12	To CO	Returns revised list corrected and appd.R To-- Disappvs reqn #9. 8/31
142690	12-18	Chasn	Reqt.R To CO Via Chas-- Fwds. 1/28 To-- Fwds lists. 2/9 To CO Via Chas-- Changes in. 3/19
383933	1-18	To CO	Fwds one blank type "A" e lec list for revision of. Lr To Reqts reply to 1-16th. 5-21
409687	4-11	To CO	Fwdg 1 blank SE allowance book - Y
422987	6-5	To CO	Fwds appvd allow lists. Ya
424663	6-12	To CO	Fwds appvd allow lists. Ya
437056	7/29	M Is	Copy of letter to P Snd fwding allowance lists - Y

NB—0120

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1918 2

BRUTUS: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
351876	9-12	Mare Is	Quarter ending Dec 31st - Y	
369816	11;10	Mare Is.	June 1 to 11;6 Y	
		1919		
382658	1/1/19	M Is	Quarter ending 12/31 - Y	
397295	2;16	Mare Is.	11;6 to 2;16 Y	
397924	2;1	Mare Is	9-12-18 to 11;1;18 Y	
414448	4/28	M Is VOID - See 8	Requires repairs to crank shaft - ice machine-boilers - overhaul pumps - Y	
429292	6/20	M Is	2/16 to 6/17 - Y	

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N.S.E. Form 134.

TR BRUTUS: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
452052	10-1	CO Vestal	Quarter ending 9/30. Y	
			1920	
469738	1;1	CO VESTAL	Quarter ending Dec 31st.Y	
471988	1/1	M Is	6/1/18 to 11/6/18 - Y	
477804	2;1	M IS	12-19-19 to 1-26-20.Y	
508032	7-1	BRUTUS	4-19 to 4-20; Y	
534944	12;1	M IS	1/26 to 8/17.Y	
546277	2;5	M IS	1;26;20 to 8;17;20.Y	
642861	9/21	M.I.	9/7/20 to 4/10/22 Y	

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[OVER.]

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1

BRUTUS: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.
102572	7-26	Norf	June 8 to June 21.Y
105786	9-16	Phila	Aug. 30 to Sept 8. Y
107299	10-6	Chasn	Quarter ending 9-30. Y
111815	12-2	Bost	Oct 31 to Nov 11. Y
114755	1-10	Chasn	11-22 to Dec 16.Y
		1914	
119424	3-7	Bost	Jan 21 to Jan 29.Y
122903 VOID	4-15	M.Is	Dem 1 to Jan 16.Y
122898	4-19	Ports	Jan 10 to Mar 19
125195	none	Bost.	Jan.29 to Apr.7th.Y
125820	5/25	Ports.	Mar.19 to May 1.Y
135037	9-21	Norf	May 9 to Aug 24.Y
136849	9-30	Key West	Sept 30 to 10-10.Y
138836	11-5	Bost	Sept 12 to 17.
141366	12-1	Norf	Oct 14 to Oct 17

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N.S.E. Form 134.

1915

BRUTUS: RECORD OF WORK. 143-25

Number.	Date.	From or To—	Subject.	
153831	4-29	Phila	Apr 7 to Apr 19	
182850	3-25	Chasn	July 26,15 to Aug 4, 15	
			1917 1917	
236076	6/20	M Is	Up to June 23rd Y	
243390	8/3	M Is	Feb 25th to June 20th Y	
249940	9/12	M Is	June 20 to Sept 12.Y	
259192	11/1	M Is	Sept 12th to 11/1 Y	
260644	11/1	M Is	Sept 12th to Nov 1st - Y	
314543	6-4	Mare Island	Nov 1st, 1917 to June 1, 1918	

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[OVER.]

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BRUTUS: SURVEY 1920 1

Number.	Date.	From or To—		Subject.
497020	5/25	M Is	2 SE	Bulbs - Y
497019	5/25	M Is	6 SE	Lanterns, Reflectors- Y
497455	5/26	M Is	1 SE	Torch, Plate, Vise, Gauge, - Y
501857	6;19	M IS	11	Audion bulbs Y
503196	6;26	M IS	12	Centers for lathe.Y
508039	7;21	M IS	1	Storage battery.Y
508811	7;23	M IS	2	Blacksmith forge.Y
536119	12/15	M IS	6	Key, Phones, Bulbs Y
536866	12-15	MI	5	Motor boat parts and fire tools
537201	12-21	M I	7	elec Drills and fans
575899	5/25	CO	1/21	Brasses, Pistons, Brush Y

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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BUSHNELL: SPECNS

1913

Number.	Date.	From or To—	Subject.
113462	12-15 12-24	Seattle C&DD Co Dept 28404-25	Asks if specns signed by Seattle Co. are in proper form for Dept signature.D Ret Dept.1/3
		1915	
164535	8-25	Seattle	Fwds corrected copy of machy and elec specns.DH
		1917	
242721	8/3	Seattle	Reports checking up specifications - contractors report loss of No 58 & 59 - request instructions D To--Directs have contrs search for specns.8/10 Seattle - contractors cannot locate serial No 59 - 10/27 D
		1920	
511551	8;12	CO	Request covers for machy specns.D To Co. reqst report disposition made 8/23/20 CO- Unable to locate. 8/24 D.

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

BUSHNELL: 1913

Number.	Date.	From or To—	Subject.	
96323	5/2	B&W Co.	Requests print showing boiler space.D To-- Fwds 5/5 Returns 8-5	
96486	5/5	FR T	Requests print of arrnagement of machinery.D To--fwds 5/5 FR returns 6-9	
97541	5-17	Solicitor	Bids to be opened 19th at noon. C	
97865	5-19	Solicitor 28404-9	Summary proposals received.D To Dept.recommendations.5/29.	
98404	5-25	Seattle C&DD Co	Gives consumption of oil per knot run for insertion into contract form. D	
100128	6-11 6-17	Seattle C&DD Co Dept 28404-10	accepts contract; representative will confer with Bu. re details.C	
100288	6-25	Solicitor 28404-13	Fwds contract form for filling in of blanks.N Fwd Dept.7/10.	
100479	6-23 6-27	Seattle Co T C&R 29460-E.2	Representative leaving with plans and specns. June 23. Asks when formal contract will be recd.D	
100957	7/7	To Dept. Joint	Proposals for construction: fwds hull and machinery spcfns, and statement of weights. Rec be approved and sent to Seattle Co/for signature. RB 7-14 Fwd C&R.7/16.	

N.S.E. Form 134.

BUSHNELL: 515-1

Number.	Date.	From or To—	Subject.
101231	6-30 7-3	Seattle S&DD Co Dept 28404-15	Revised plans and specns. D
105571	9-5	Dept	Contract with Seattle C&DD Co. Fwds signed copy. D. Ret. Solicitor - satisfactory 9-11
105694	9-15	Solicitor 28404-18	Fwds copy of contract dated June 30 with Seattle Co.D TO Genl Inspr fwds 9-17 TO Seattle feqt. division cont price 9-17
105822	9-11	C&R 29633-E.1	Fwds contract plans; will forward specns when received from printer.D
106472	9-25	C&R 29634-E.1	Fwds specns; serial No. 39 to 43.D. To - fwds. 10-1
106663	9-26	C&R F	Fwds data submitted by bidders.D Fwd Dept.10/23
107835	10/14	TO YARDS: INSPRS MATRL: C&R	Machy and Elec.spcfns; fwds.D To-ACADEMY- fwds specfs 10/15
108393	10/21	To Seattle	Forwards specifications for machinery and electric plant.D Seattle 11/21.contractor complains of delay of four months after date of contract before receiving printed specifications.D To---states on what contract was based.11/26

NB—0120

[OVER.]

515 -- 1 BUSHNELL.

TENDER FOR SUBS. PROPOSED 1913

1913

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Number.	Date.	From or To—		Subject.	
87900	1-17	C&R		Fwds plan O-428 for elec. division.L.	
87799	1/17	To C&R and Ord.		Requests revised list of electric auxiliaries.L KB 1-21 - Ord	
88180	1/21	To C&R		No 2; blueprint of general arr.of machy deliverdd to Mr.Brill.D To---Blueprint delivered as above.2/6.	
88322	1-22	C&R	28494-E.8	Fwds print EHP curve and reqt. be furnished with weight of machinery, quantity of fuel and lubricating oil required,etc. D. To---Gives quantity of fuel oil required. 1/29.	
88981	1/30	C&R	28492-E.9	Fwds revised estimates power required for C&R electric auxiliaries.L	
89419	2-4	C&R	28492-E.8	TENDER No.2; fwds outline type plans. D.	
89951	2-4 2-6	Dept C&R	8557-86-3 28492-E.6	Approves prelim design plan O-547. D Ret C&R via Ord.2/12.	
90213	2-13	Haynie, W.R.		Reqt. machy specns. D. To---gives data.2/14.	
90598	2/17	Nav		Named Bushnell.	498--1

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N.S.E. Form 134.

TENDER FOR SUBS: 515-1

Number.	Date.	From or To—	Subject.
81720	10-22	Gygax, Lt. 174	Fwds corres from Fabrica Co. manufacturers of Fiat type oil engine. D
81722	10-22	Gygax, Lt. 170	Fwds data on Mann type. D.
81972	10-26	Gygax/ Lt. 178	Junkers type; fwds print. D
82191	11-1	Gygax, Lt.	Man type engines; Company asks if Bureau is dealing direct with New London S&E Co. D.
83138	11-19	Haynie, W.R.	Illness has prevented taking up question of engine; fwds print of 3500 HP engine.D
83956	11-19	Gygax, Lt. 192	Bush Sulzer Co. refuse to handle matter except direct between Bureau and their American representative St.Louis. D
83957	11-19	Gygax, Lt. 189	Fwds quotations prints, etc. from Fiat Company. D Additional data 11-26
84764	11-25	Gygax, Lt.	Junkers&Weser Co. Fwds proposition with prints.D. To---Ack.12/12. To Prof.Junkers. Thanks for consideration.12/12.
85436	12-18	C&R	Prelim genl arrangement; delivers prints.D To---ack receipt.12/20.

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TENDER for SUBS-S: PROPOSED. 1913-

Number.	Date.	From or To—		Subject.
45649	8/7	C&R	2182-A.105	Building program 1913: Quotes recommendations of General Board for Chief characteristics.D To---Propelling machy will be heavy oil engines.8/24. To---Reqst list giving current required for el.auxys.7/8.
47594	8/30	Solicitor		Bids for construction to be opened room 472, Sept. 1st. 12.00 M. Chief
				1912
74610	7/30	C&R	28492-E.4	Preliminary prints delivered showing single screw steamship instead of internal combustion engine.D
74516	7/29	To Dept (Joint)		Characteristics. RB 8.17 To Dept. (J) reqs. decision on type of propelling machinery 8/12 RB 8-23 Ret---with rec.8/20. Fwd C&R 8/22 RB 9-8 Fwd C&R 9-10
74893	8/3	To Ord.		Request to be informed capacities and pressures which will be required for air compressors for charging torpedoes.D 510-1
75273	8/7	C&R	28492-E.1	Proposed No.1: Gives HP reqired for electric auxiliary: Can not furnish detailed list at present time.L
75104	8/6	To Ord.		Proposed Tender No.2: Requests to be informed capacities and pressures required for air compressors; also if are to be electrically or steam driven. Ord.8/7. Furnishes data. (Gives NIAGARA; evidently error.)D

N.S.E. Form 134.

TENDERS FOR SUBS. PROPOSED. 1913. 515---1

Number.	Date.	From or To—	Subject.
75323	8/8	C&R	TENDER NO.2; Curves of effective Horsepower; fwds print.D
76650	8/26	To Gygax, Ensign F.X.	Reqt information & plans of heavy oil engines.
76998	8/12	Parsons Marine Steam Turbine Co.	Suggestions for design for geared turbine machinery.D
77905	9-12	Parsons Marine Steam Turbine Co	Recommends modifcation in proposed design turbine and gearing.D.
78085	9-5	Lt.Gygax 130	Gives list of firms with whom communicated for securing bids for heavy oil engines.D
78175	9-16	Haynie, W.R.	Fwds corres. with Lt.Gygax with Carels Freres on quoting on engine and s ggests Lt. Gygax visit works at Bremen and Hamburg. N To - gives infor. 9/19
78802	9-24	Haynie, W.R.	Fwds description and quotation from Carels Bros. D TO -- ack. 9-26
78877	9-14	Gygax, Lt. 139	Fwds specns, prints and quotations from F.Krupp Engine Co. Kiel. D.
78878	9-16	Gygax, Lt. 148	Ditto from Sabathe Company. D.
78879	9-16	Gygax, Lt. 146	Ditto from Carels Bros. D

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[OVER.]

BUSHNELL: TRIALS

Number.	Date.	From or To—	Subject.	
375826	12-6 12-5	Eup. Forces Dept.	Work accomplished during Oct. Fwd Dept via Ord, 12-10	A

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

1916

BUSHNELL: TRIALS.

Number.	Date.	From or To—	Subject.
190217	6-2	Dept	Final trial; fwds report of board .N Fwd C&R-- Bu prepared make rec for final acceptance. 6/9
			19
191231	6-19	C&R	Final trial; reports action taken on SE items which involved work under C&R. N To--Have auth work. 6/21
194444	7/20	Seattle	Fwds contractor's statement relative to alleged overweight.N Fwd Dept--Rec penalty be remitted.7/27 RB appd 9/1 To--Remits penaly overweivht.9/7
189639	To Sol--(Joint) Rec for final settlement. 11/?	CARD 6	Seattle--preliminary trial report; additional comment by contractors on operation of reduction gears, pitting of, etc 7/27 McNeir, CS; agrees to amount 10-30 To C&R--Bu prepared to rec final settle for with SE reservations. 10/30
195512	6/26 6/28	Seattle Co Dept	Request ad interim payment pending final settlement.N Fwd Dept--(JOINT) Recommendations for.8/5 RB 8/11 Fwd C&R--Noted.8/11
204215	10-30	Bost	Final trial; report alterations; estimate certain items, main condenser exhaust; larger sanitary pump; print.N Fwd Dept--With recommendations. 11/4 RB 11/7 To--Gives action on. 11/7

N.S.E. Form 134.

BUSHNELL: TRIALS. 515-2

Number.	Date.	From or To—	Subject.	
207729	12-7	Solicitor	~~Finally accepted Dec 7.N~~	
208196	12/7 12/9	Dept C&R	Final settlement; directs K Fwd C&R—Noted. 12/15	
			1917	
211179	12-5	CO	CO ~~stat~~ set full speed and endurance run at 14 knots. F ~~Fwd Dept~~--1/11	
243612	4-5	To Postmaster Washington transfer to N	Complaint concerning registered article. Application for Indemnity. Returns Are returning additional copied of allowances.	
4 365847	10-14 11-2	Eup: Forces Dept.	Work accomplished by repair dept. during Sentement - Submits report A Fwd dept, Via C&R&Ordn 11-5	

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BUSHNELL: TRIALS.

1916

Number.	Date.	From or To—	Subject.	
179074	2-8	SEATTLE	Fwds bills for auth changes.K	
179163	1-24 2-15	Pug.Sd C&R	Reqt ruling on responsibility for certain items.M Fwd C&R-- 2/17	
180143	2-21	Seattle	Final weight sheets; fwds.D To--directs inform contrs of overweight 3/21 To--Instrns re preparation of future weight sheets. 3/23 Seattle re weight repts4-10 Seattle fwds contrs letter protesting against 3/31	
Seattle returns book 4-19				
180498	2-10	CO	Steaming trials; reports on. N	
183151	3-28	Solicitor	Prelim accepted Nov 20.N	
183160	3-27	Dept	Directs prelim acceptance and settlement. N Fwd C&R-- Vouchers appvd 3/30	
185577	4-19	Seattle	Request to have representative on final trial; nominates EHB Anderson. N Fwd Dept--Rec appvl. 4/24 RB 4/27 To--Appvs. 4/27	
187042	5-6	Bd I&S	Final trial; reqt list of uncompleted work, etc. To--Submits list, 5/11 Bd I&S returns 6/13	

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N.S.E. Form 134.

BUSHNELL: TRIALS. 515-2

Number.	Date.	From or To—	Subject.	
187271	5-1	Seattle Co	Request copy of preort on performance Pacific and At Coast. N To--Fwds. 5/13	
187303	5-9	Solicitor	Reqt machinery specns fortrial board.N To-- Fwds. 5/10	
187336	5-9	Dept	Final trial.; copies of orders to Board.N	
187416	5-10	Bost T	Ready for final trial May 17.N	
187401	5-6	Seattle	List of tools, spares, etc., furnished by contractors, with prices.N	
	To Seattle--Lists work charge to contrs. 10/27 Seattle contrs accept charges 11-7 done by contr on. 10/11 Bost cost of work contrs 10-23 To Bost--Desires state of work Seattle contrs comments 6-22			
189639	5-18 Bd I&S fwds 2 copies 6-13 Bd I&S report on gun firing 6-13 Ref. C&R 6-26	Bd I&S To Bost-6/27	Final trial; fwds.N To CO-- Fwds copy corres. 6/7 BUSHNELL 7/17 To Bost-- Instructions. 6/7 Fwd Bost-7/22 To Seattle--Fwds copy report. 6/10	CARD 7
190012	6-5	C&R	Fwds final report; b/p.D C&R supplementary report 6/30	
190216	6-3	Seattle	Official trial data; request authority to publish.C	
190216	6-3	Seattle	Request authority to publish resume of trials and genl description .C	

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1915

BUSHNELL: TRIALS.

Number.	Date.	From or To—	Subject.
171471	11/16 11/17	Seattle T C&R	Ready for delivery 23rd or 24th; reqt contractors be authorized to deliver at Puget Sound.N To Seattle--(T) Report readiness delivery.11/18 Seattle reports on. (T) 11/18 Fwd Dept--11/19
171800	11/20	Seattle T	Recommends delivery be authorized Nov. 20; everything complete except parallel test of gen set.N
171995	11/20	Solicitor	Delivery authorized when completed to satisfactionof Inspector.N
172384	11-23	Seattle	Delivered Pug.Sd. Nov 20.N
172528	11-29	Solicitor	Delivered Feb 20.N
172699	11-26 To C&R--Reservations for 7/10	Seattle	Reservation for uncompleted work; submits recommendation.N To--Will make reservations. 12/7 To C&R-- Reservations for. 12/7 To Dept-(J)Rec for prelim settlement.3/23
173046	12-1 ~~11-23~~	Seattle ~~C&R.~~	Monthly report. N
172531	12-4	To C&R.	Report of Bd on Prelim Trial; comments on certain items in. N To Pug Sd--Auth work under item 38c. 12/4
173103	12-1	Seattle	Fwds contractors claim for extnesion time.N Fwd Dept 'ia &R--Rec extension 90 days.12/7 RB 12/22 Fwd Dept--Fwds statement on. 12/23 RB 3/24 To--Gives Dept's action on. 3/25

N.S.E. Form 134.

B SNELL: TRIALS. 515-2

Number.	Date.	From or To—	Subject.
173135	12-6	Seattle Co T	Reqt all items of uncompleted work,etc be adjusted with Comdt. Pug.Sd before vessel leaves for M Is.N Fwd Dept via C&R-- 12/7 Dept copy of tel to 12-9
173182	10-27 12-6	Dept C&R	Prelim trial; fwds for report and recommendation. Fwd C&R--Noted. 12/7
173742	12/11	Dept	Assigned as tender to the L type on arrival on Atlantic coast.Y
174772	12/24	Dept	Copy of orders to CO relative to movements, trials,etc.N
174750	12/22	Seattle	States procedure followed in computing finished weights; contractors ~~request~~ protest against including elec wiring; lights and fixtures under penalty weights.D To--Reqt detailed report on all parts installed. 1/29
176111	1-16	Seattle	Contractors submit bills for extra items of work. N Fwd Dept via C&R--Comments on. 1/14 RB 3/8 To--Gives Dept's action. 3/8
177025	1-19	Seattle	Certificate of class and report of Lloyd's inspection.N To Dept--Fwds certificates. 1/25
177805	1-24	Pug.Sd	Reqt responsibility for certain work be determined on; submits items.N To--Consider contr's responsible.2/3 Pug Sd 2/24
178793	1-31	CO	Reqt trial trip data.N Fwd Bd I&S-- 2/12

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[OVER.]

BUSHNELL: TRIALS:

Number.	Date.	From or To—	Subject.	
159686	7-6	To M.Is.	Prepare two Bailey counters now in store at Yd for shipment to Seattle for use on trials of. N To Seattle--Have directed shipment. 7/6 To S&A-- Reqt for shipment. 7/6 To S&A--Reqt shipment to M.Is. 11/23	
160298	6/30	Seattle	Monthly report.N	
160570	7-10	Seattle	Contractors protest against furnishing plans showing location of trial instruments.N To--(T) Add plna not required. 7/15	
160669	7-7 7-14	Seattle Co. C&R	18th payment; appeals against reduction; makes application for extension time.N Fwd Dept Via C&R--Rec action be withheld pending actual delivery. 7/16	
160809	7-12	Seattle	Recomments Aug 15 be set for trials.N Fwd Dept Via Bd I&S -- Noted. 7/19 RB 8/5 To--Gives action on.8/6	
161077	7- 6 6-20	Seattle C&R	Claim for extension cont time.N Fwd Dept Via C&R--Rec be granted. 7/21 To-- Gives Dept's action on. 7/31	RB 7/230
161203	7-10 7-21	Seattle Co C&R	Reqt Aug 15 be set for trial.N Fwd Dept 'ia Bd I&S--Concurs in. 7/23	
162256	7/29	Bd I&S	Reqt draftsmen be detail ed and instruments furnished for prelim trial.N Fwd Seattle-- For compliance. 8/2	
162292	7/30	Solicitor	Fwds copy of orders to Board on Prelim Trial.N	

N.S.E. Form 134.

BUSHNELL: TRIALS: PAYMENTS: ETC. 515 — 2

Number.	Date.	From or To—	Subject.	
162289	7/30	Solicitor	Reqt copy specns for Trial Board.N	
162178-	8-2	To Seattle.	Fwds correctec copy of machy specfns to Trial Board in connection with trial of.N Seattle have furnished 8-16	
164139	8-18	Seattle	Unofficial builders trial; submits data on.	
165256	8-31	Seattle	Monthly report.N	
166617	9/24	Seattle (T)	Trials satisfactorily completed Sept.16; report being compiled. N	
166611	9-24	To Seallte. (T)	Report status of trials. N	
167326	10-2	Bd I&S T	Reqt unit to be followed in determining oil consumption.N To Pug Sd--(T) Use 19500 B.T.U. per lb.	10/4
167573	9-30	Seattle	Monthly report.N	
169480	9-16	Bd I&S	Prelim trial; report. N To-Seattle-- Fwds copy above. 10/28 To Pug Sd--Gives work auth. 11/15 Seattle--contrs have no comment to make	11/16
170511	11/3	Seattle	Monthly report.N	

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BUSNELL: TRIALS.

1914

Number.	Date.	From or To—		Subject.
142555	12-15	Seattle	1673	Fwds contractors claim for extension 5 to 6 days due to Bu delay in acting on accumulator plans for air compressor.N To-- Instructions. 12/21
142658	12-17	Seattle	1682	Fwds claim for extension of time due to delay in approving plans by Bureau; generators.N To-- Instructions. 12/22
142845	12-12 12-23	Seattle Co Dept		Fwds claim for extension time due to delay in acting on accumulator plans by Bu.N Fwd Dept-- 12/26
143009	12-21	Seattle	1693	Trial equipment; reqt Bu take steps to provide. D To-- Fwds prints on. 1/29

1915

145457	1-18	Seattle		15th payment. K
146572	1-31	Seattle		Monthly report.N
146772	-2-9	Seattle	T	Launched 11:30 Feb 9.N
147368	2-16	To Seattle.		Prelim trial; gives instructions for. N To BD I&S-- Fwds copy above. 2/16
148445	2-19	Seattle		16th payment; reqt.K

N.S.E. Form 134.

BUSHNELL: TRIALS. 515-2

Number.	Date.	From or To—	Subject.	
149165	2-28	Seattle	Monthly report.N	
150248	3-18	Seattle	Claim extension of time due delay in securing reduction gear. N To-- Comments on: 3/22	
150997	3-26	Seattle 868	Claim extension contract time.N Fwd Dept Via C&R-- Comments on: 4/1RB 4/13 To-- Comments on: 4/13	
152018	3/31	Seattle	Monthly report.N	
152284	4-8	Seattle	17th payment.K	
152342	4-14	C&R	Re contractors claim for extension cont time. N To Dept Via C&R-- Rec contract time of be extended. 4/16 RB appd 4/26 To Seattle--Extenion of time: 4/27	
154506	?	Seattle	Monthly report.N	
156998	6-1	Seattle	Monthly report.N	
156142	6-4	Seattle	Reqt detail of machinists and mates	632
157756	6-7	Seattle	Trial equipment: fwds plN.N Fwd BD I&S-- For comment. 6/18 RB 7/6 To--(T)Gives action on. 7/7	
158605	6-16	Seattle	18th payment.K	

To--7/7

NB—0120

[OVER.]

BUSHNELL: TRIALS. 1914

Number.	Date.	From or To—	Subject.
130601	6-19 7-22	Supt Constr Seattle C&R	Lloyd's Society refuses to give Lloyd's certificate unless engines and boilers are built under supervision of Society surveyor.N Ret C&R.comments.7/24.
131919	8-1	Seattle	Monthly report.N
131927	8-5	Seattle	7th payment;reqt.K
132399	8-12	Seattle	8th payment;reqt.K To---request name of vessel be inserted in future certificates of insurance.8/17.
132457	8-6 8-17	Supt Constr Seattle C&R	Lloyd's registry; Seattle Co. are taking steps to secure necessary certificate.N Ret C&R.8/18.
133746	9-4	C&R	Steam Boat Inspection Service; specns call for conformity with American Bureau of Shipping;Rules; no specific reference to certificate.N Ret VIA Bd I&S recommends be not reqd 9-9 RB 10 13 Fwd C&R-- Noted. 10/14
134008	9-4	Seattle	Monthly report.N
134715	9-11	Seattle	9th payment. K
135413	9-25	Seattle	Weights; reqt instructions re classification of turbines.D To-- Instructions. 9/28

N.S.E. Form 134.

BUSHNELL: TRIALS. 515-2

Number.	Date.	From or To—		Subject.
136307	9-30	Seattle		Monthly report.N
136315	10-2	Seattle		10th payment.K To-- Error in payments. 10/9
136681	10-7	Seattle	1369	11th payment;reqt.K
137728	10-17 10-23	C&R Solicitor		Steam boat inspection certificate; asks what steps being taken to secure.D Fwd Dept--Comments. 10/24
138199	10-23	Seattle	1460	12th payment;reqt.K To-- Error in payment. 10/30
139014	11-1	Seattle		Monthly report.N
140193	11-16	Seattle	1570	13th payment. K
141452	12-2	Seattle		Monthly report.N
142093	12-9	Seattle	1650	Contractors request extension time.N To--Instructions. 12/16
142311	12-10	Seattle		14th payment

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[OVER.]

BUSHNELL: TRIALS: ETC

1913

Number.	Date.	From or To—	Subject.
107766	10-13	Seattle T	Seattle plant damaged by fire; Govn vessels not injured.D Fwd Dept 10-16 RB 10 20
108246	10-13	Seattle 268	Fire at works; no Govn vessels damaged; believes cannot be used as claim for delay on Govn contracts. N Fwd Dept via C&R.10/20. RB 10 27
110098	11-6	Seattle	Proposed subdivision contract price machy and hull. N To C&R satisfactory 11/14 C&R satls. 11-26 To---appd.12/2
112709	12-9	Seattle 398	& NAVY TUGS: submits claim for extension , due time taken by Govn in approving plans.D To---fwds copy 108671-635-3,etc. request report of inspection force becomes inadequate.12/20.
113700	12-23	Seattle	Proposed subdivision machy allotment.N To---fwds supply form N.S.E.102. 1/16

1914

114592	12-31	Seattle	Monthly report.N
117248	1-31	Seattle	Monthly report.N

N.S.E. Form 134.

BUSHNELL: TRIALS. 515-2

Number.	Date.	From or To—	Subject.
117500	2-6	XSeattle	3rd payment;reqt. K To---Fwds supply Form 88. But one copy Form 102 need be furnished with future payments.2/12
119395	2-28	Seattle	Monthly report.N
121771	3-31	Seattle	Monthly report. N
122393	4-7	Seattle	4th payment;reqt.K To---Form 88 should accompany all future payments.4/17.
124481	5-1	Seattle	Monthly report.NN
126428	6/3	To Lt.J.J.Hannigan & Seattle	Bd on Changes appointed; Lt.Hannigan Senior Member. Instructions.N
126812	?	Seattle	Monthly report.N
127141	6/6	Seattle	5th and 6th payments; reqst.K To Dept. fwds. insurance papers 6-11
127499	6/10	Pug.Sd.	Lieut.J.J.Hannigan,etc, Board on Changes; Asks who are members.N To—6/17
129262	6-30	Seattle	Monthly report.N

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[OVER.]

BUSHNELL. ELEC PLANT.

Number.	Date.	From or To—	Subject.	
			1915	
153899	4-28	Seattle 1968	Finished plans; elec; reqt instructions on loose leaf covers.L To--instructions. 5/7	
170663	11-8	C&R	Cold storage space; insulation of.DH	
			1916	
188627	5-16	Pug Sd	Fwds data for Record of Elec Appliances.L To Bost--Fwds prints of , 7/13	
189185	5/25	Post Office, Chicago	Record of Elec Appliances; havereceived box with no address; reqt instructions.L To--& To Seattle--reqts be fwded to Bu; asks Seattle who second copy is intended for 5/27 Seattle Pug Sd handled disposition 5-31 Pug Sd Recordintended for Bost 6-1	
192506	3-27	Seattle	Finsihed elec plans; fwds.L To--Reqt additional tracings. 8/5	
195815	8/2 To ack receipt tracings 8/28	Seattle	Finished plans; elec plant, gen set, leads to engine room gongs, etc; fwds .L To--Reqt tracings of. 8/12 Seattle asks if tracings recd 8-18	
195811	8/2	Seattle	Finished plans; gen sets, speed indicators, etc; fwds tracings.L	
52	11/3	To Phila	Reqt contr be fwded to Elec Stor Bat Co.	LR

N.S.E. Form 134.

515- 3 BUSHNELL ELEC PLANT 1921

Number.	Date.	From or To—	Subject.	
601924	12/23	CO	Charging cables for submarine detectors- recommendations cov insulation of. L	I
631885	7/13	To Norf 1922	Fwds annual report of Elec Plant Data for 1922/ L	

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515--3 BUSHNELL

TENDER FOR SUBS/ proposed 1913 1912 1

Number.	Date.	From or To—	Subject.	Ex
80239	10/11	To Ord.	Electric Power, reqts list of auxiliaties	515--1
			1913	
87799	1/17	To C&R & Ord.	TENDER, reqt revised list of elec. aux.	515--1
88981	1/30	C&R	Fwds revised estimate power required for C&R elec. aux.	515--1
105650	9-8	Seattle 226	Rqt. type elec. plans, I-c, Lighting and power.L To C&R reqt prints of general arrgt deck plans. 9/16 To-- fwds specfs, and plans to be forwarded later 9/16 To - fwds. prints 9-24	
106395	9-19	C&R 29633-E.5	Fwds contract plans for elec. Division.L	
107007	10/3	To C&R	& MELVILLE: power system, reqt list of elec. auxiliary.	510--5
107935	10/15	C&R	& MELVILLE: gives " do	510--5
113513	12-20	Seattle 441	Elec equipment; reqt type plan.L To CE. Fwds specfns, elec plant and drawings for guidance.12/27.	

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N.S.E. Form 134.

BUSHNELL: ELECTRIC PLANT. 515-3

Number.	Date.	From or To—	Subject.
116421	12-6	Seattle 545	Reqt type plan covering desk lights, distribution panels, fuel oil indicators.L To---Fwds prints. 2/3 To-- Reqt further information. 10/9
121022	3/28	To Seattle	Form N.S.E.30, Report on instlation of Elec.Plant, should be filled out at regular periods.L
		1914	
134854	9-15	Seattle 286	Elec plans; standard; reqt.L To-- Fwds. 9/30 To NY-- Req drawings be fwd Seattle. 9/30
141015	11/27	Seattle	Eelctric plant; reqt information relative to fixtures, etc.L To-- Instructions. 12/4
143011	12-21	Seattle 1688	Reqt instructions for conducting test of elec equipment.L To--Instructions. 2/17 Seattle reqt drawings 5-3 To NY--Reqt drawings be fwd Seattle.5/18
		NY formula measured insulation resistance; reqtd for 5-24 Bost fwds Vandyke 5-11 1915	
145290	1-18	Seattle 746	Submits list of finished elec plans contractors propose to furnish.L To-- Appvs list of. 1/29 Seattle reqt index numbers 2-24 To---Will have file numbers only. 3/3
147126	2-8	Seattle	Reqt instructions for conducting ~~xxx~~ test of elec plant.L To-- Have been fwd. 3/8
148538	2-26	Seattle 1 836	Elec plant; charging rheostats have not been supplied.L To--Instructions. 3/3
151119	3-27	Pug.Sd	Record of Elec Appliances; reqt bu supply covers.L To-- Fwds. 4/5

NB—0120

[OVER.]

BUSHNELL: INT COM SYS. 1915

Number.	Date.	From or To—		Subject.
145523	1-20	Seattle	1754	I-C switchboard; plans.L To--Appvs with comment. 1/29
146507	2-4 25	C&R Ord	29887-E.2	Voice tubes; fwds plans.L Fwd C&R-- Satis to u. 2/9 To Seattle--Fwds copy above end. 2/9
147311	2-8	Seattle	1813	Shaft revolution indicator; arrgt driving gear; plan.D
147356	2-18	Seattle		I-C system; voice tubes,etc. Fwds plans.L
147821	2-17	Cory, Chas Son		I-C switch panel; fwds tracing.L To--Returns appvd. 2/23
152063	4-6	Bd on Changes, Seattle		Additonal mechanical telegraphs in chart house; inc cost.N To-- Recd copy of order for. 4/13 Pug.Sd no letter on file 4-23 To Seattle--Fwds copy report;appvd. 5/12 To-- Sate matter closed. 5/14
152258	4-9	Bd on Changes, Seattle		Omission of automatic feature for elec whistle; decreased cost. L To-Seattle-- Fwds copy above. 4/14
152425	4-9	Bd on Changes, Seattle		Additional voice tube calls; inc cost.L To Seattle-- Fwds copy; appvd' 4/17

N.S.E. Form 134.

BUSHNELL: INT COM SYS. 515-4

Number.	Date.	From or To—		Subject.
155017	5-10	Seattle	1990	5" guns: firing and lighting circuits.L Fwd Ord-- 5/17 RB 6/3 Fwd Ord-- 6,8
155180	5-10	Seattle	1989	Mechanical bell pulls. L To-- Appvs with comment. 5/18
157195	6-8	~~FR~~ Pitts		I-C motor generator: fwds test sheets. S To Seattle--Fwds reports. 6/10
173415	12-9	To M.Is.		Voice tube calls; auth installation return calls between bridge and steering engine.L-Y
193382	7/8 7/12	CO Navgn		Request bridge repeater plugs for gyro compass.L Fwd S&A--NY directed to manuf. 7/13 To NY--(R)Directs manuf of plugs. 7/13
			1917	
239548	7/18	CO		Reports on status of fire control installation L
244253	8/15	CO		Reports on status fire control system L
330881	7-29	To CO		Commenting on install of voice tube head booth L

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[OVER.]

1914

BUSHNELL: INT COM SYS.

Number.	Date.	From or To—		Subject.	
136028	9-29	Seattle	1350	Fire alarm system; wiring plans; fwds.L To-- Appvd with modi. 10/6	
136108	10-1	Seattle	1359	I-C system; fwds wiring plans for whistle apparatus. L To-- Appvd with modi. Lo/6	
136345	10-2	Seattle	2539	Voice tube calls; fwds plan.L To-- Instructions· 10/12	
137598	10-17	Seattle		Warrant officers call bells; print.L	
138177	10-24	Seattle	1475	I-C circuit W; whistle operator; plan. L	
138175	10-23	Seattle		Boat hour gong system on I-C circuit; plan. L	
138580	10-28	Seattle	1503	Fuel oil indicator system; plan.L	
138582	10-28	Seattle	149	I-C motor generator; fwds plans, specns. L To--Appvs with modi. 11/5	
138577	10-28	Seattle	1498	Fire alarm system; fwds plans.L	

N.S.E. Form 134.

BUSHNELL: INT COM SYS. 515-4

Number.	Date.	From or To—		Subject.
138921 VOID	11-4	Bath	1669	Comp blkhd flanges for piping; plans.D
138919	11-2	Seattle		Circuit B- ward room calls; plan.L
138920	11-2	Seattle	1518	Circuit E; voice tube calls; plan.L To-- Appvs with modi. 11/7
139084	11-3	Seattle		Circuit A Capt's calls; fwds plans.L
140136	11-16	Seattle	1568	Fuel oil indicator system;-fwds plan L To-- Appvs. 11/21
141167	12/2	Ord		Voice tubes; fwds plans.L Fwd C&R--Gives modifications in. 12/8 To Seattle-Instructions. 12/8
142507	12-10	Seattle	1635	Engine telegraphs; plan.L To--Appvs. 12/24
			1915	
144121	1-6	Seattle	1729	Change in cost I-C system in connection with omission elec operated whistle.L To- Change appvd. 1/14 To Bd on Changes Pug Sd-- 1/14
144583	1-6	Seattle	1727	Additional voice tube calls in engineers office and engineeboom; inc cost. L To--Reqt print; not rec'd. 1/23 To & Bd Changes. 2/18
144567	1-15	To Chas Cory.		Prelim appvd plans 1662-1663 for interior communication switchboard. L

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BUSHNELL: INT. COM. SYSTEM.

1913

Number.	Date.	From or To—		Subject.	
109046	10/29	To C&R & Ord.		I-C System; fwds drawing 2146-L L Ord satis 11-4 C&R 11/6.comments.L To C&R noted 11-10 TO Ord fwds 11-10 To Seattle.Fwds prints 2146-Lshowing prel.list and diagrams of means for interior communication.11/12	
116421	12/6	Seattle	545	Reqt type plan covering desk lights, distribution panels, fuel oil indicators,etc.	515-3
			1914		
116691	2/26	Seattle	545	Omission of fuel oil indicator system and automatic feature of whistle operating sys;L To---Bu does not furnish type plans. Bu.desires electric "at will" whistle - change in cost.2/5.	
121057	3-24	Seattle	683	Reports on apparant shortage in specns covering I-C apparatus for steering purposes.L To---authorizes installation of mechanical engine telegraph - inc cost.4/9.	
128058	6/18	Seattle	975	Mechanical telegraph charthouse; estimate inc cost.L To---action deferred.6/25.	
133207	8-24	Seattle	1202	I-C motor generator; submits description of GE type proposed.L To-- Appvd. 9/1	

N.S.E. Form 134.

BUSHNELL: INT COM.SYS. 515-4

Number.	Date.	From or To—		Subject.	
133776	8-31	Seattle		Storage batteries for I-C; submits specns. TO -- appvd 9-8	L
133937	9-1	Seattle	1236	I-C plans; fwds.L To-- Appvd with modi. 9/10	
134121	9-5	Seattle	1258	Rudder indicator; fwds plan.L To-- Appvd subject to test. 9/14	
134086	9-5	Seattle		Mechanical telegraph and bell pulls,etc.b/p To--Appvd subject to test. 9/14	L
134456	9-10	Seattle	1271	Elec shaft revolution indicator; plan.L To-- Chas.Cory have been reqt to furnish information. 9/16. To Chas Cory Co-- Req furnish PS with information. 9/16 Cory have fwd to Inspr	9-17
135447	9-23	Seattle	1320	I-C wiring; fwds plan. L To-- Appvd with modi. 10/1	
135615	9-24	Seattle	1530	Circuits for fuel oil indicator system, and revolution indicator system: Plan.L To--Appvd with modi. 10/2 Seattle print 10-15	
135726	9-26	Seattle	1334	Genl alarm gong; wiring plans; fwds.L To-- Appvd with modi. 10/3 Seattle fwds plan 10-13	
135916	9-28	Seattle	1338	Ruder angle indicator; wiring plans; fwds.L To-- Appvd with comment 10/5	
135915	9-28	Seattle		Boat hour gong; system; wiring ; pmas. plans. To-- Appvd with coment. 10/5	

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[OVER.]

BUSHNELL: ELEC LIGHT & POWER:

Number.	Date.	From or To—	Subject.
395781	2-19	To CO	Storage Battery Water - Reqts test of and if facilities are not at hand for same fwd sample of water to Naval Medical School for analysis. L CO gives description of distilling plant in connection with distilling water for batteries 3;25
425042	6;10	CO	Req. modern rheostats. L To CO- Reqt appvd. 6-18 copy to Comdt Phila.
		-1920-	
498278	6/7	S&A	Aircraft factory instructed to ship at once 4 storage batteries to BUSHNELL - L
523173	10/13	CO	Request repair meter.L Fwd IM Norf 10-18
		1921	
575369	7;16	CO	copy Reqt Boston be auth to remove lower shunt field from main motor and replace.L CO-T-7;16-L To CO (T) work authorized 7/16
575757	7;16	Dept	Copy of telegram to Boston making vessel available for repairs to generator.L

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N.S.E. Form 134.

1919

BUSCHNELL ELEC LIGHT AND POWER 1921

Number.	Date.	From or To—	Subject.	
595071	11/3 11/5	CO Atl.Sub.	Request install cooler on lubricating oil system to turbo generator sets. L Fwds CO USS BUSHNELL 11/22 LY RB-12;12-L Fwd Norf 12/23 RB 1/12 L Fwd Norf 1/28 RB 2/17 L Fwd Norf cc CO 3/14 RB 4/5 LY Norf 4/26 Request auth to remove oil coolers from 50' steamers for installation on L To Norf-- rel rqn for purchase of oil coolers 5/10	
636580	8/7	Norf	No 24' motor launches in used material account available for issue to BUSHNELL same are available in NSA Y	611-5
		1922		
649648	11/9 11/10	CO Sub Div 4p	Rqsts install 7-1/2 HP motor on Cincinnati plain milling machine L To CO- gives action taken 11/24 To S&A Reqst shipment of motor from Phila to CO 1557 11/21	
649647	11/8 11/10	CO Sub Div 4	Rqsts assist ship'sforce in installing equalizers and 300 KW generators L To Norf- Reqsts for estimate cc CO- Div 4 Norf 12/19 L To NY via CO- Gives action taken rel work RB 2/24 L To CO - authy granted 3/10/23	515-13 12/8 1/11

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[OVER.]

BUSHNELL: LIGHT & POWER.

1916

Number.	Date.	From or To—	Subject.
186907	5-3	Bost	Request purchase of starting panel for booster motor be approved. L To--Disappvs. 5/24
190466	6-13	To CO.	Generating sets; reqt further information as to unsatisfactory operation of. L To RB considers "not satisfactory" typographical error; believes report of Board should read "now satisfactory" 6/22
193006	7-6	GE Co	Booster set; vandykes.L To Bost-- Fwds prints of, 7/18 To--Appvs plans, 7/19
194978	7/27	G E Co	Booster set; request approval and return of drawings submitted with schedule.L Retd--Noted, 8/1 RB 8/5
198316	9-2	To CO.	Searchlights; two 36" lights shipped from NY to New London for TONOPAH will be installed on BUSHNELL instead. RB 11/18 To--Instrns. 11/25 CO 2-24" searchlights shipped NY for Norf 12/26
199463	9-31	CO	Reqt accurate ampere/hour meter.L Fwd CO--Reqt name plate be submitted. 9/28 RB 10/3 Fwd Bost--For est and rec. 10/6 RB 11/6 To Bost--Auth to provide new dials. 11/7
250675	9/14	Phila	Reqt authority to cancel job order providing for permanent switchboard method of throwing two generators in parallel.L

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N.S.E. Form 134.

BUSHNELL: LIGHT & POWER. 515-5

Number.	Date.	From or To—	Subject.	
208779	12-13	CO	Reports non receipt of signalling searchlight. L To--Will be delivered about Jan 1. 1917. 12/20	
234043	6/12 6/16	CO Phila	Request authority to turn peak lights in to store L To via Phila--Grants auth. 6/21	
241305	7-29	Phila	Electric welding outfit; asks when delivery may be expected and reqt disposition to make of motor generator and switchboard.	515-18
247597	8/30	CO	Request authority to turn in store switches and cable - L To Phila--Appvs reqt. 9/10	
250675	9-28	To Phila OVER	Cancellation of order appvd. Reqts reasons Officers donnot want work done. L Phila - reasons for cancellation 10/4 L	
342512	8-14	CO 514-5	Maine motor of submarine AL-4 submits report of tests of. L.	

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BUSHNELL: LIGHT & POWER.

1915

Number.	Date.	From or To—	Subject.	
174013	12-11	CO	Gen sets: fwds result of last compounding test; recommends future contracts for to be installed in one vessel require operation in parallel; also final test be required with permanent series shunt in place.N.L To GE--Quotes report: report when modi have been completed 1/7 GE fwds GE letter re and asks date of arrival of vessel on Atlantic Coast 1-22 To CO--Quotes GE report on. 1/25	
	To GE--Inform GE Co ship now at Bost: rect adjustment be made. 3/4 GE steps taken to remedy 3-9			
174145	12-13	Seattle	Fwds copy of dynamo room log to show time gen set was operated while vessel was at plant. L	
175195	12-27	Bd on Changes, Seattle	Inc cost additional governor worm for generator armature. D To--Appvs. 1/4	

1916

Number.	Date.	From or To—	Subject.	
17579-	12-29 1-4 1-3	Seattle Co Pug.Sd CO	50 kw gen set; defects in; CO recommends work be not done until after arrival Yard on At Coast. L	
175763	1-5	Bd on Changes, Seattle	Additional towing lights; additional cost.N To-- Fwds appvd. 1/11	
175764	1-5	ditto	Additional govenor worm for gen sets; inc cost.N	
180716	3/4	BUSHNELL	Reqt installation of booster generator, separators	515-8
181057	3-7	CO	Reqt blinker signals, 24" signalling shutter, and 12" signalling searchlight.L To Bost-- Work authorized. 3/9	

N.S.E. Form 134.

BUSHNELL: LIGHT & POWER: 515-5

Number.	Date.	From or To—	Subject.
181619	3-14	Bost R	Request dimension and weight of booster motor generator.L To--U nable to furnish data at present.3/16
182198	3-21	Bost T	Absolutely necesxary to furnish booster generator elec boat winch before sailing May 1. L To 3/21 Fwd C&R for action concerning elec boat winch 3/21 RB 3/25
182525	3-15 3-20	CO At Sub	Gen sets; recommends installation permanent switch for paralleling generators for charging batteries be deferred pending further experience w th present installation.L To CO--GE will make changes to improve speed regulation. 4/5
182755	3-24	Bost	Submits estimate for providing ~~zz~~ p rmanent switch method of paralleling 2 300 kw gen sets.L. To--Appvs estimate; reqt plans showing modification to . 4/5
184147	4-8	C&R	Reports changes in motors for operating deck winches to accommodate 35 in lieu of 10 HP winch.L To Bost--Auth necessary wotk in connection with substitution. 4/11
185121	4-17	CO	Fwds report on compounding and parallelling test made since changes were completed. L To-- Material prelim accepted. 4/29
185143	4-17	Bost	Suggested arrgt for installing booster motor generator.L To--Comments on 5/23

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BUSHNELL: LIGHT & POWER. 1915

Number.	Date.	From or To—	Subject.
152273	4-9	Seattle Co	Reqt copy of advance sheet No 14: gen sets.L To-- Fwds, 4/19
152670	4-14	Seattle	Inc cost for additional towing light: est.L To-- Change appvd. 4/20 To Bd Changes: Rug Sd-- 4/20
152833	4-16	Seattle 1941	Gen set: arrgt for air cleaning.L To--Will not be required for. 4/22
153394	4-23	Bd on Changes, Seattle	Spare parts for generators: inc cost.N Fwd Dept-- Rec appvl. 4/29 RB appd 5/4 To Seattle-- Fwds copy report: appvd.5/4 Seattle-ack 5/10
153395	4-23	ditto	Automatic truck light controller: inc cost.N To Seattle-- Fwds copy report: appvd 4/29
153399	4-14 4-21	GE Seattle	Tube coupling for night signal set.L Fwd Seattle Via GE-- 4/29
154005	4-28	Seattle 1966	50 kw armature stowage: plan.L To-- Appvs. 5/5
155169	5-12	Seattle	Reqt copy of factory test on battery charging generator.L
155314	5/17	Mass	Test records on 300 kw gen spare armature.S To Seattle-- Fwds reports.5/20

N.S.E. Form 134.

BUSHNELL: LIGHT & POWER: 515-5

Number.	Date.	From or To—	Subject.
156682	5-29	Seattle	Battery charging generators; spares for, stowage, etc.L To--Appvs plan for. 6/10
156934	6-2	Seattle	Worm for spare armature; est inc cost.L To--Change appvd. 6/9 To Bd Changes-- 6/9
157968	6-10	Seattle	Gen sets; fwds 88 prints.L To--Appvs. 6/19
158143	6-11	Seattle 2038	Gen set; foundation liners; holding down bolts; plan.L
159511	7-2	C&R	Stowage of 300 kw armature, spare.L Fwd C&R--Should be made change under under contract 7/9
166802	9/20	Seattle	300-KW battery charging gen.sets; fwds plans. L To-- Appvs. 10/7
166933	9/27	GE	Diving cable; rubber insulation of; fwds reports on rubber content; recommends waiving and accepting. S To-- Auth to waive 10/8
173311	12-7	Phila	Reqt ev vandyke or swtichboard and wiring diagram. L To--Fwds. 12/10
173688	12/7	Seattle	300 kw gen set; fwds test report.L

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BUSHNELL: LIGHT & PWOER.

1914

Number.	Date.	From or To—	Subject.
137584	10-17	Seattle	Contractors claim that auxiliary distribution panel without switches is in accordance with Bureau instructions.L.
137921	10-27	To Seattle.	Switchboard; change in battery charging feeders numbers. L
138741	10330	Seattle 1513	Battery charging generators; spare parts for; submits list of with prices.L Fwd Dept-- Comments. 11/9 rb 11 12 To-- Appvs. 11/13
138988	11-3	Seattle 1525	Gen sets; copy of letter to Inspector at Pitts re status of.S.
140345	11-19	Seattle 1582	Fwds name plate and list of switchboard plans.L To-- Appvs. 11/27
141433	12-8	To Seattle.	Battery charging panel; switches will be in accordance with GE drawing M-218608. L
143264	12-28	GE	Searchlights; reports on inspection.S
145469	1-25	To GE.	Plans for; rect. L To C&R-- Ditto. 1/25 To Seattle-- Ditto, 1/27 GE fwds plan 2-4 GE fwds list of spares 2-6 C&R inboard profile; plans 2-20

N.S.E. Form 134.

BUSHNELL: LIGHT & POWER. 515-5 1915

Number.	Date.	From or To—		Subject.
145496	1-21	Seattle	1351	Spare parts for battery charging generators; est inc cost.L. To Bd Changes Pug Sd-- 1/30 To-- Change auth. 1/30
145943	1-27	Seattle	1790	Battery charging generators; arrgt with GE Co. for supplying plans.L To-- Satisfactory to Bu. 2/3
146143	1-29	Seattle	1791	Asks probable location of switchboard in radio room in connection with power leads.L Fwd Pug Sd--Reqt sketch be preparded and fwd to Seattle. 2/4
146432	2-5	Seattle	T wide for mechanical control; reqt ~~mee~~ manual control of	After searchlight platform too low and too change in platform.L To--(T)Undesirable alter size, use appvd control plan R 9830. 2/6 To--Instructions. 2/6
149051	3-6	Mass		Battery charging generator; test sheets.S To Seattle-- Fwds. 3/12
149049	3-5	Mass		50 kw gen set; fwds test sheets.S To Seattle-- Fwds. 3/12
150706	3-22	Seattle	1877	Running lights; list calls for one towing light; regulations call for 2.L To--Auth installation 2nd light. 4/2
151676	3-30 4-1	Pug.Sd Seattle		States testing set for storage battery cannot be manufactured at Yard. L Fwd NY-- Reqt information be fwd PS. 4/10 RB 5/7

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[OVER.]

BUSHNELL: LIGHT & POWER. 1914

Number.	Date.	From or To—		Subject.
124165	5-1	Seattle	795	Automatic truck light controller; estimated change in cost for installing.L Fwd GE.for comment.5/7. Ret---Resubmit estimate.5/16. To---appd--To Bd on Chgs,Pug.Sd.6/3.
124574	5-5	Seattle	809	Running lights; reqt type plans.L To---fwds prints.5/12.
126175	5/25	Seattle	882	Lighting system; fwds plans.L To - approval held up pending rec. remaining deck plans. 6-4
127442	6/9	Seattle	935	Battery charging panels and connections; request type plan.L To---Be has no plans; requirements.6/22.
127647	6/9	Seattle	939	Fwds plan of proposed lighting system.L To---appd with comment.6/20. Seattle returns plans 7-8 To--7/16
128714	6-24	Seattle	989	Lighting plans; summary of fixtures and appliances; fwds.L To---appd with comment.7/2. Seattle reqt plans 7-16 To---fwds drawings.7/23.
130500	7-17	Seattle	1090	Power system; fwds wiring plans.L To---appd as mod.8/4.
131438	7-28	Seattle	1130	Elec lighting system; plans.L To---appd.8/7

N.S.E. Form 134.

BUSHNELL: LIGHT & POWER. 515-5

Number.	Date.	From or To—		Subject.
132864	8-18	Seattle	1191	gen sets; shaft and extension for HP turbine; plan. L To-- Appvd. 8/25
133936	9-1	Seattle	1238	Main switchboard; fwds prints. L To-- Appvd with modi. 9/24
133939	9-1	Seattle	1237	Power wiring; plans. L To-- Comments. 9/14
133931 VOID	8-31	Seattle	1226	Reduction
134368	9-8	Seattle	1265	50 kw generators; fwds detailed plans. L To-- Appvd. 9/23
134453	9-10	Seattle	1273	Switchb ard name plates; fwds plans. L To-- Appvd with modi. 9/23
134799	9-14	Seattle	1278	Battery charging panels; fwds plan; recommends change in type of switch shown. L To-- Appvd with modi. 9/24 Seattle fwds print 10-5
134918	9-15	Seattle	1281	Battery charging panel; fwds b/p. L To-- Appvd with modi. 9/26 Seattle fwds print 10-18
135857	9-28	Seattle		Searchlight switches; gives proposed type. L To-- For reply see 130500-515-5 10/6
136820	10-9	Seattle	1393	Reqt proper location and height above decks of "down-low" blkhd fixtures. L To--Instructions 10/15
137373	10-15	Seattle	1423	Switches for searchlights; reqt plans. L To-- Fwds 10/22

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[OVER.]

BUSHNELL, Light & Power 1913 1

Number.	Date.	From or To—	Subject.	
95973	4/28	Gen.Elec. Co.	Requirement of generators 2000 revolutions excessive, recommend 1500.	515--1
107007	10/3	To C&R	& MELVILLE: power systesm, request list showing location, hP, and amperes for each elec. auxiliary.	510--5
107935	10/15	C&R	& MELVILLE: gives do	510--5
110581	11/17	To Seattle & C&R.	Power system: forwards dr.2154-L for guidance in developing plans.L C&R satis 12-10 To C&R.fwds drawing. 12/13.	
110920	11/21	To Seattle	Lighting plans: fwds prints 2153-L showing prel.arrangement of system.L	
111222	11/25	To Seattle	Switchboard; fwds dr.2163-L. L	
113898	12-30	GE	Rect plans and specns covering arrgt elec machy. L To---fwds prints.1/9	
		1914	1914	
114279	1-2	Seattle 472	Gen sets; fwds copy of order with GE Co.L To---appd as mod.1/12. Fwd C&R.1/12. RB 120	

N.S.E. Form 134.

BUSHNELL 515--5

Number.	Date.	From or To—	Subject.	
115896	1/19	Seattle	Arrgt of gen. sets.	515--8
116428	1-29	GE	Night signal ladders; reqt instructions re spacing of.L To---instructions.2/3. To Seattle.fwds copy.2/3	
117220	2-2	Seattle	Wiring; fwds print showing symbols and summery of circulars.L To---appd with comments.2/14. Seattle lists typs plans required 3-4 To---fwds prints; instructions for installation of night signal sets.3/12.	
121113	3-25	Seattle 684	Searchlights and diving lanterns, deck and bracket fans; fwds plans, specns and list of spares.L To---appd.~~3/31~~,except plan R-9832,which is not appd 3/31. To---list of searchlight spare parts appd.4/15.	
121562	3/30 4/4	American Paring Mch Co. S&A	Asks current available for operating potato peeler.L Fwd C&R.4/7.	
122369	4-9	Seattle 741	50 kw gen sets; estimate for adding relief valves. L Ret---generators to comply with adv.sheet #14. 4/17.	
122548	4-11	Seattle 745	Portable ventilating set; fwds specns; b/p.L To---plan appd.4/18.	
123112	4/16	Seattle	Battery charging cables; fwds prints.L To--appd 4/27 Seattle 5/13.Gives approximate weight.L	

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[OVER.]

BUSHNELL RADIO SET 1922

Number.	Date.	From or To—	Subject.	
647869	11/2	To S&A 1417	Reqst shipment of equipment from washn to SO Norf W	
653121	12/14	To S&A 1717	Reqst shipment of spare parts from Washn to SO Norf W	

Number.	Date.	From or To—	Subject.	

515-6

BUSHNELL: RADIO SET 1921 4

Number.	Date.	From or To—	Subject.	
580499	8/16	To S&A 8524	Reqsts shipmt of Radio Telegraph from Washington to USS BUSHNELL W	
51452	5/25 6/1	Norf S&A	Request disposition of radio equipment for BUSHNELL S	629
631638	7/6	CO	Request long wave receiver W To Norf, alterations to apparatus appvd cc CO- 7/17 To S&A Reqst shipment of mat from Washn to CO 740 7/17 Norfolk 7/25 W To Norf instln appvd cc CO 8/4	

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515-6
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bushnell radio set 1922

Number.	Date.	From or To—	Subject.	
632127	7/12	To S&A 696	Reqst shipment of tubes from Washnto SO Norf W	
627383	8/8	Norf.	Fwds prints showing rearrangements of Radio room wi h estimates. 8/8 W Norfolk 8/25 Confirms telephone conversation W	515-8
635645	8/9	S&A	Request action on work on vacuum tube transmitter. YW	515-8
646617	11/2	To Norf	Instln of radio apparatus W Norf 11/9 Report on cost of work on W	

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BUSHNELL :RADIO SET 1920

Number.	Date.	From or To—	Subject.
492907	5-13	To S&A.	Reqst shipment of apparatus from Washington to New London. 2787 W.
9 493228	5-13	To S&A SEE OVER	Reqst shipment of wave-meter from Brook. to New London. 2806 W.
order rep.	To Flt.	S.B. Brook. (T) Re shipment	
as personal baggage	Johnson	Jr. will call for and transmit 5-20.	
493227	5-13	To S&A.	Reqt shipment vacuum tubes from Wash to CO. 2805 W
			To S&A. Reqst shipment of apparatus from wash. to NL. 2889 5-19.
494074	5/14	Aircraft Factory	Four vacuum tubes shipped by express 5/12 for installation on BUSHNELL in connection with design problem No. 2 - W
493788	5-18	To S&A.	Reqst shipment of apparatus from washington to NY 2863 5-18. W.
493791	5-18	To S&A.	Reqst shipment of apparatus from Phila to NY 2864 W.
494620	5-20	To Ports. (T)	gives Inform that Johnson leaving Washington tonight with addnl apparatus W.
496020	5/25	Com. Sub. Div. 15 Copy	Reqst authority to proceed to Bost to transfer spares of the S-4 & S-5 - W

N.S.E. Form 134.

515-6: BUSHNELL: RADIO

Number.	Date.	From or To—	Subject.
498646	6;8	CO BISHNELL	Request auth to turn in ~~ind~~ radio apparatus listed.W Fwd Boston CC CO 6-14. RB-6;21-L To CO Auth turning into store at Boston radio material 7-16
493227	6-12 S&A-copy of action to FSB-6;25-W To S&A. Reqst shipmt of Apparatus from Brook to CO 3428 6-29.	SEE OVER	To S&A. Reqst shipment of Apparatus from Brook to CO-3243 W. To S&A. Adv status of shipmt 6-23. FSB-6;24-W
498499	To S&A Reqst shipmt of app from Brook 6-12	To S&A. to SO Washn 4156 8-30.	FSB-7;31-W Reqst shipment of Apparatus from Phila to Bost 3242 W.
500110	6-22	To S&A	Reqst shipmt of Apparatus from Washn to CO 3355 W
503995	7-10	To S&A	Reqst shipmt of apparatus from Phila to CO 3580 W. Phila-7;22-W To S&A. Reqst shipmt of appa from Phila to CO 3835 7-27
504030	7-12 To S&A. Reqst inform re shipmt cc Washn 9-27 S&A-10;21-W	To S&A RB-10;1 Fwd CO 11-20 RB-4;18	Reqst shipment of apparatus from Boston to Washn 3621 W. To S&A 10-19 To CO 4/12 RB-4;18-W
507401	7-27	To S&A	Reqst shipmt of apparatus from Phila to CO 3836 W
510408	8;2 8;6	CO Norf	Radio repairs request for.W To Norf. reqst for repairs auth 8/11
522236	10;14 CO-4;15-W To CO Adv when shipmt has been effected CO Washn- TW Ports 10-19 To CO Ask to ack receipt of let 4/12	CO-4;28-W To CO (T)	Ask what dispn made radio receiver cc Ports W. CO-T-10;15-W To Ports (T) Recers will be exp from Washn this week 10-18 W.
523615	10;13	CO	Request repair amplifiers W Ref Norf cc CO 10-21

1917

BUSHNELL: RADIO SET.

Number.	Date.	From or To—	Subject.	
234288	6-13	Phila	Rec installation Marconi radio direction finder on the BUSHNELL in lieu of SALEM.	384-6
370722	11-22	To S&A	Reqts shipmt of radio apparatus, Wash to CO, W	
399282	2:25 3:1 4:14	CO Phila Phila	Alterations to radio outfit W To Comdt Phila- Auth work be undertaken- 4/8 To Comdt Phila- Cost of installation chargeable to Engineering 1918-1919. 4-25	
63 401057	3-10	To CO (T)	Two step amplifier shipped from Wash to Phila March 5th. W To (T)-Lists radio apparatus Phila yard auth to place on board, copy to Phila. 3-10 To Phila- Lists radio material auth to be placed on board. 3-12 CO list radio apparatus used 5:10 CO 6-4	
409051	4-8	To S&A	Rqst shpmt from Brooklyn to Phila, 1 Antenna loading coil - W RB 6/13	

CO tel. req. auth. to turn in matl. at Ports 5:30
To CO- Lists apparatus auth to turn into storemat the nearest yard. 5-29
To CO(T)- Auth to turn into stores Ports unused radio material. 6-10

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515 - 6

Number.	Date.	From or To—	Subject.
455400	10/31	Division 15 Sub Force	Reqst 2 transformers coils be shipped to BUSHNELL for - W To S&A- Reqt ship transformer coils from Wash to CO. 11-19
489765	4-24	To S&A	Req t shipment radio apparatus listed from Wash to New London. serial 2365. W To S&A- Reqts shipment be amended to call for shipment from Wash to Ny. 5-3 2622 To Wash- Lists material to be installed and advise if shipment will be made in time to insure arrival at Ny not later than 5/14th. 5-8
3 Washn-matl shipped by express-5;12-W			
489764	4-24	To S&A	Req t shipment transmittmng set from Ins pr GE to New London. serial 2364. W S&A-5;18-W
491428	5-5	To I.M. Ny	Overhaul of Radio Transmitter. W NY-estimate of radio apparatus on-5;18-W
49 To S&A. Reqst shipment Receiver from Boston to CO. 2661 5-6.			
487166	5-8	To S&A	Req t shipment order of 4-24th be cancelled. W
492082	5-11	To S&A	Req t shipment vac stor bat from Ny to CO. serail 2769. W
492083	5-11	To S&A	Req t shipment audibility meters from Wash to CO. W serial 2768.
493229 FSB-6;9	5-13	To S&A.	Reqst shipment of wire cleats from Brook to NY 2807 W.

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BUSHNELL: RADIO SET.

1915

Number.	Date.	From or To—	Subject.	
155717	5-19	Pug. Sd	Asks when radio set will be furnished. Y To S&A-- Reqt shipment set from M.Is to Seattle. 6/8 To M.Is--Notifies of shipment; furnish plans and description of. 6/9 To Seattle--Take up with Pug Sd re installation of. 6/9 To--Auth sending of radio aid to Seattle to assist in installation. 6/9	
159887	7-1	M.Is	& MAUMEE: reqt dates of delivery of radio apparatus.W TO--(R)Gives data on. 7/28	
163588	8-17	M.Is T	Reqt immediate shipment of Lowenstein spark gap; also 3 additional. W. To M Is (T), S&A--reqt shipment 8/19	
165043	9-4	To M.Is. (T)	Bushnell will be delivered Seattle in near future; expedite radio set delivery.W	
165115	8-28	M.Is	Reports on efficiency test of 5 kw Navy type; assigned to	876
167509	9-30	Seattle	Radio room; arrgt; plan.W To Via M.Is--Appvs. 10/7	
170622	11-4	Seattle	Reqr that cleats be fitted to mast for securing radio antennae to halyards.W Retd--Apparently sent in error·11/10	
170624	11-4	Seattle	Estimated inc cost extra work radio installation.W To-- Change appvd·11/10 To Bd Changes--11/10	

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BUSHNELL: RADIO SET. 515 -- 6

Number.	Date.	From or To—	Subject.	
171741	11/15	Seattle	Favorable report on installation of radio set by contractors.W To--Ack receipt of. 11/22	
171688	11-19	To GE.	Cable for wireless installation of Vessel 78; auth use Co order for use inspection.	S
173702	12/8	Seattle	Submits report on radio installation made by contractors.W	
174291	12/14	Pug Sd	Fwds calibration of radio set.W	
		1916		
175765	1-5	Bd on Changes, Seattle	Radio outfit; inc cost.N. To-- Fwds ap vd 1/11	
181039	3-8	To Pug Sd.	Calls attention to trouble reported due to brushing at leading-in insulator and hand operated antenna switch. W Pug Sd comments 3-23	
186178	4-25	CO	Alterations radio installation.W To Bost--(R)Authorizes. 5/3	
		1917		
248-17	1/25	To CO	Reqn for radio ultraudion detector and receivers disappvd. WR	

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[OVER.]

BUSHNELL : SUB SIG.

1917

Number.	Date.	From or To—	Subject.
239695	7/18	Sub. Sig Co	Relative to location of oscillator apparatus L
245049	8/19	Phila	& SOUTH CAROLINA request Submarine Signal Co be directedto ship apparatus L
246837	8/30	Sub. Signal Co	Contract 30255 - relative to shipment of switchboard and spare parts L Sub Sig Co (T) switchboard being forwarded Sept 1st 9/1
246885	8/31	Phila T	Installation oscillator held up awaiting switchboards 8/31 L To--(T) Will be shipt today.9/1
254480	10-11	Submarine Signal Co	Fwds report of inspection of submarine bell.L

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N.S.E. Form 134.

BUSHNELL: SUB SIG 515 - 7

Number.	Date.	From or To—	Subject.	
287769	2-9	CO	Submits report on inspection submarine signal apparatus . L Fwd Washington D.C. 3-14	
426761	6;17	CO	Req. auth. to turn into store 1 submarine bell outfit L To- Removal of sub bell auth. copy to S.O. Boston. 6-23	
532505	1/16 12/2	CO BUSHNELL S&A	Request inform rel to disposition of C tube units delivered to base 6 W	797
601924	12/23	CO	Charging cables for submarine detectors recommendations cov insulation of L	515-3

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N. S. E. Form 134.

BUSHNELL; SUB SIGNAL 515-7

1916

Number.	Date.	From or To—	Subject.	
177022	1-18	Seattle	Reqt certain plans.L To--Will obtain from Sub Signal Co. 1/26 To Submarine Signal Co--Reqt plans be furnished as required by contract. 1/26	
179433	2-15	Submarine Sig Co	& FULTON; fwds tracing showing sending apparatus installed on.L To--Comments on. 2/26 To Seattle--Fwds prints and description of sets. 3/1 Sub Sig Co reqt return of tracings/ 3-4 To--Returns. 3/9 Sub Sig Co asks why vandykes are required 3/14 To Co.reasons for requirement of vandykes on cloth 3-20 Sub Sig Co fwds vandykes 3-30 To--Returns vandykes; impossible to obtain blue-prints from. 4/8 Sub Sig Co fwds tracings. 4-10 To--Ack receipt of. 4/17	

1917

233919	6/12	CO	Oscillator installation - recommends be installed during present overhaul 6/12 L To via Sub F orce--Will install during present stay at Phila. 6/22 To Phila---Auth work.6/22	

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BUSHNELL: Submarine signals. 1913 1

Number.	Date.	From or To—	Subject.	
105282	9/9	Sub.Sig.Cp.	Fwds print showing key, pneumatic beel and installation of apparatus on	711--3
		1914		
121695	4-6	Sub Sig Co	Have not received order for apparatus.L	
123776	4/29	C&R 30320-E.1	Asks if submarine bell is to be installed.L To---will be re quired.5/1	
134969	9-16	Seattle	Sub Sig set; copy of letter to Pug.Sd recommending first payment; plans not yet received. L	
137990	9-16 10-26	Seattle S&A	Sub sig apparatus; fwds vouchers to cover.L Fwd S&A-- Returns appvd. 10/28 To Sub Sig Co--Calls attention to brass pipe not delivered. 10/28 Sub Sig have ordered Pac rep to furnish 11-2	
139748	11-11	Seattle	Ack receipt of missing brass piping for Sub Signal Set.L	
		1915		
152627	4-9	Seattle 1920	Fwds contractors est inc cost for.L To--Disappvs claim for inc cost 4/24	
158718	6/17	Seattle 2057	Submarine signal set: fwds plans showing installation and stowage detail.L To--Appvs plan. 6/25	

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BUSHNELL MACHY PLANT GEN 1922

Number.	Date.	From or To—	Subject.
644541	10/7	Dept	Copy of endorsement to C&R re relocation of cabin quarters & sick bay Y
646222	11/1	C&R	Booklet of general plans- fwds. DY

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Number.	Date.	From or To—	Subject.	

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[OVER.]

BUSHNELL MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
635645	7/31	Norf.	Subm estimates incident to report of material inspection. Y Fwds Dept 8/10 RB 8/15/22.Y C&R- Request action on work on vacuum tube transmitter. 8/9 YW. X6 To Norf- Recomdns apprvd cc CO 8/18 To C&R-- Auths instln cc Norf 8/25 C&R Copy action to Nord. 9/1 W	
641249	9/12	C&R	Copy of letter to Norf stating vessel will return to Yard in November for routine docking.Y	
641377	9/13	C&R	Copy of letter to Norfolk authg issue 36' motor sailing launch from used material account to CO BUSHNELL Y	611-8

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515-8

Number.	Date.	From or To—	Subject.	
641829	9/11 9/16	CO C&R	Submits report on material readiness Y Fwds Operns via Pan 10/3	
642253	9/20	Norfolk	36' launch 7793 received from BUSHNELL for sale Y	611-8
642567	9/15 9/23	Norfolk M&S	Relocation of cabin quarters & sick bay Fwds prints DLY Fwds Dept via Operns 9/30 C&R Copy action to Norf. 10/13 Y	
644313	9/27 10/5	CO C&R	Submits report on matl readiness Y Fwds Nav Opems via Ord 10/14 Ys	

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Number.	Date.	From or To—	Subject.	
622317	4/1 CO 5/6	C&R	Submits report on matl readiness Y Fwds Operns via Ordn 5/19	
622938	4/13 5/11	Atl.Sub Ordn.	Subm report of inspection.Y Fwds Operns 6/3 Ys	
626885	6/8	To Operns	Material inspection Requests for cc CO- Comdr Atlantic Sub Flotillas Ys [illegible] be removed from [illegible] Y L	
627383	6/9	Dept	Vessel will be made available ~~for~~ at Norfolk July 1 for work Y To Norf- Reqsts estimates 6/20 Norf- Fwds prints showing re-arrangement of ra radio room- with estimates 8/8 To Norf- arrangement appvd with W X 6. Mdn 8/23	
627724	6/13	Dept	Instructions for holding material insp n Y	

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515-8

N. Eng. 134
BUSHNELL MACHY PLANT 1922

Number.	Date.	From or To—	Subject.	
627719	6/12	To Bd I&S	Fwds listed corres from file Ys Bd I&S 7/13 Request action. Y	
627952	6/13	Dept	Copy indorsement to Board I&S rel to material inspection Y	
626560	6/19	CO	Fwds diagrams of present Machine shop arrangement D	
632625	7/1	Board IS	Submits report of matl inspection Y	

4—3281

[OVER.]

BUSHNELL: MACHY PLANT:

Number.	Date.	From or To—	Subject.
553119	3;22	Dept	Vessel to be detached from Atl Flt and remain unassigned.A
554358	3;26	Dept	Vessel assigned to Sub Base Ham Rds-~~2;26~~ A
573129	7/2	Dept	Submits extract from inspection report Y
591420	10/15 ~~10/20~~	CO Dept	Report on material readiness.Y Fwd Operns via Ordn-C&R 10/24
595760	11/14	C&R	Copy of letter to Norf. making vessel available about 1/1 for over haul. Y
597858	11/28	Dept	Copy of telegram to Atl Fleet directing vessel proceed to Norf. for authorized work. Y

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BUSHNELL MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.	
609457	1/19 2/11	CO C&R	Report on material readiness. Y Fwd Operns-2;20-Ys	
612450	3/6	Memo for Comdr H S Howard Bu C&R 653	Report of fire on BUSHNESS and recommendation regarding pump fire room bilges on fuel oil burning vessels while at Yard	
613669	3/8 3/14	JAG Dept	Report cov fire on board. Y Fwd Operns 3/18	
613952	2/6 3/15	CO C&R	Subm report of fire on board in fire room bilges- recommends same arrangement be made to free bilges of oil. DY C&R 5/16 Request action Y Fwds C&R 6/6	

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[OVER.]

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BUSHNELL: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
397881	2/25	Dept	Prepare for overseas voyage as soon as possible - N	
414132	4;27	3rd dist.	Copy - BUSHNELL UC 97 arrived on Apr 27 Y	
423354	6-6	To Comdt Phila	Reqts transfer of job orders to Norf. copy to CO and I.M. Norf. Yo	
434240	**7/19**	**CO**	**Recommendations for reduction of battery on board - D**	
443461	9/1	CO	Arl Flt- copy of letter to Navgn recommending travel orders for Comdr Fisher to investigate alterations of BUSHNELL.	515-19
467694	1;6	Norf	Copy of letter to C&R submitting estimate covering repairs to aux sea suction.Y	
483738	no date	Bd I&S	report of matl inspn held March 2nd.Y	

1920

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N.S.E. Form 134.

BUSHNELL MACHRy PLANT

Number.	Date.	From or To—	Subject.
513415	8/24	Norfolk	Report of Bd Survey and Estimates. L Fwd Dept via C&R. 9-1 cc Cm norf- CO RB-9;18-Y C&R-copy of action to Dept-9;7-Y Dept-copy of action to C&R-9;10-Y To Lm Norf appvd CO C 9-21.
517052	9;14	Norf	Repairs can be handled to enable sailing in 48 hours notice-20 days reqd to complete.Y
521270	10;6	Norf copy	Vessel undocked.A
523891	10;18	Dept	Copy of telegram to Atl Flt directing vessel report to Sub Flo 3.A
525136	10;23	Dept	Copy of telegram to Sub Flo 3 stating BUSHNELL is ready for Norf awaiting orders.A
528381	11;4 11;9	Atl Flt Dept	Recommends vessel be sent back to yard to effect repairs.Y Fwd Div 15 cc Operns 11-17 RB-12;2-Y Fwd Operns via C&R 12-9 Dept-reqt action-12;14-Y To Oprns via C&R Gives Inform 12-18
536096	12;20	Dept	Copy of telegram to Norf making vessel available for authorized repairs and alterns.A

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3

BUSHNELL: MACHY PLANT.

1916

Number.	Date.	From or To—	Subject.	
198975	9-9	At Flt	Recommends overhaul period begin after Sept 12. Y	
198979	9-11	Dept	Available at Bost for repairs after Sept 12.Y	
199596	9-15	Dept	Repair limit Oct 15. Y	
209535	12/23	To Key West	Fwds certain plans. D	
			1917	
215745-	2-21	Phila	Work on installing elec welding outfit and booster motor generator trans transferred to Phila Yard; request information re status of deliveries.Y To--Gives infor. 3/1	
219651	1-25	CO	Alterations; cross connection between main and auxiliary feed line, stop valves in pump lines, reducing valves in gen set steam lines, alter boat engine.Y Fwd Bost--Rec. 3/29RB 4-6 Fwd Phila--4/6 RB 4-30	

NB—0120

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N.S.E. Form 134.

BUSHNELL: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
227845	5/5	CO	List of work to be done by ship's force Y	
243356	8/8	Dept	Report of military inspection Y Fwd Dept via Ord S&A N avgn M&S--8/13	
245620	8/23	Phila	Request various vandykes D	
347167	8/13	Co	C&R 10 pumps and periscopes	515-19
			1919	
391724	1/17	CO	13 Request install cut out valves in auxiliary steam line and renew insullation and lagging from ice machine to cold storage - Y To Phila- Gives detail action on alterations. 2-6 copy to CO	
394604	2/7 2/12	CO Operations	Request repairs to boiler brick work, valves, pumps, steam lines, ice machines, main engines - Y Fwd CO via Phila/ Yd. 2-14	

NB—0120

[OVER.]

1915

BUSHNELL. MACHY PLANT.

Number.	Date.	From or To—	Subject.
160153	6-28	CO	Reports methods taken for care and operation evaporating and distilling plants, pumps, ice machine
162908	8/4	CO	Reqt bulletins, blanks, specns, etc.DH To Lt. Hird 8/27
164552	8-24	Seattle	Reqt engineers yeoman be detailed.F Fwd Nav--8/30
173636	12/11	Dept	Date of completion extended to Dec. 29th.Y&N
		1916	
175398	1-4 1-5	M.Is Dept	Recommends transfer of all work to East coast; recommends Boston as new Home Yard. Fwd Dept via Ord--Rec Bost. 1/6
175827	1-8	Dept	Assigns Boston as home yard; directs shipment of patterns, spare parts, transfer of work.Y
177086	1-24	Dept	To be assigned Boston. Y
180294	2/24	Seattle	Finished plans machinery; reqt shipping instructions.DC

Seattle fwds index and tracings finished plans 3-23
Norf reporrts receipt 3-29
To Norf-- 4/1

To S&A-- Reqt for shipment. 3/1
Seattle copy of letter fwng prints to ship 3-10
Seattle ~~impossible to straighten ou~~ copy of letter fwd plans to Pug Sd and Phila 3-18
Norf copy of letter fwd finished plans 3-21

N.S.E. Form 134.

BUSHNELL: MACHY PLANT: 515-8

Number.	Date.	From or To—	Subject.
180499	2-16	At Sub Flt	Reports inspection of with recommendations for alterations and general recommendations in connection with suitibility for submarine tender. D Original via Dept 3-3 Fwd Dept--Rec Bost be auth to complete alterations. 3/4 Fwd C&R--Bu has authorized work. 3/4 To Seattle-- Quotes CO letter in regard to defective brickwork in boiler installation. 3/4 To Bost--Lists work authorized. 3/8 To Bost--Ditto. 3/4 B&W comments on boilers 3-6 To B&W--Can cel letter: sent in error.3/8 Duplicate via C&R 3-15 Fwd Dept Via Ord-- Noted. 3/16 To--Work chargeable to appro "ENG" 3/24
180716	3-4	CO	Reqt alterations; install booster generator, separators, and extend rods for boilerstop valves.N
181084	3-8	Dept	To remain at Boston until delivery of boats; repairs can be made while waiting.Y
181371	3-11	Bost	Assigned Boston, home yard; reqt finished plans.D To--Seattle will fwd plans. 3/14
181955	3-4	CO	Hull alterations; incidental work under other Bureaus.D Fwd C&R--Bu has authorized work. 3/22
182240	2-16 3-8	At Sub Dept	Submits recommends for improvements in.NDH Fwd Dept--Bu will supply certain tools for.3/23 To Bost--Gives work authorized. 3/24

NB—0120

[OVER.]

BUSHNELL: MACHY PLANT

1913

Number.	Date.	From or To—		Subject.	
103838	8-13	Seattle	196	Reqt. type plans condenser, pump, etc. D To---fwds prints. Not to be furnished to Seattle Co. 8/21. To---fwds prints of fuel oil burner and air controlling register, type "C". 8/21	
106115	9/17	Seattle		PENNA: machy plans, reqt use in working up details for BUSHNELL.	130--8
109703	11-5	C&R	29886 E.1	Compartment and access plans; fwds. D To---satisfactory. 11/19	
			1914		
114253	1-5	C&R	30021-E.1	Outboard fittings; fwds plans. D To---modifications. 1/10 To Seattle. fwds copy. 1/10 C&R. 2-3 To Seattle & C&R. propeller guards not nec. 2/9	
114506	1-7	C&R	30036-E.1	Boiler, engine, thrust bearing, foundations; print. D Fwd C&R. comments. 1/17	
115896	1-19	Seattle	517	Arrg t eng room machy and gen sets/D Fwd C&R. for comment. 2/2 RB 29 To---appd. 2/11.	
115897	1-19	Seattle	520	Turbines and fuel oil system; plans. D To---appd as mod. 2/3	
116335	1-28	Navgn		Complement; reqt number, size of boilers, engines and auxiliaries. D Fwd---gives information. 1/31.	
121254	3-27	Seattle	693	Detailed plans of pumps, valves, and other aux; Sub-contractors state conduct matter direct with Bureau; reqt confirm. D To--instructions; Bu. deals only with principal contractors 4/3	

N.S.E. Form 134.

BUSHNELL: MACHY PLANT. 515---8

Number.	Date.	From or To—	Subject.
126042	5/28	C&R 30036	Foundations for boilers, engines and thrust bearings.D To---instructions.6/8. To Seattle.fwds copy.6/8. C&R 6/10.returns print.D
127798	6/18	C&R 29886-E.1	Compartment and access plans; fwds.D&E
128285	6/25	C&R 30036-E.1	Foundations for boilers, engines, and thrust bearing; particular reference to width of boiler supports.D To Seattle.directs confer with Suptg Constr. 7/2 Fwd C&R.comments.7/2.
131171	7/30	To Otto Bernz	Seattle Order: directs communicate with Brook.regarding inspection.S
131372	8-1	Burnz, O	Tools: asks if inspection required.S
145218	1-13 1-21	Seattle C&DD Co. C&R	Reqt permission to publish description of in Pacific Marine Review. D Fwd Dept-- 1/26
145288	1-18	Seattle 47	Submits list of finished machy plans; contractors propose furnishing. D. To--Fwds index books for; plans must be furnished as required by specfns. 1/29
156505	5-29	Seattle 3016	Fwds.contractors protest against furnishing detailed plans of injectors, sirens, hand pumps,etc.DH To--Instructions. 6/10

1915

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[OVER.]

BUSHNELL MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.	
625887	5/26 5/27	CO Atl Sub	Calls attention to rust in main engine forced lubrication system./ Recommends be cleaned Y	
625888	5/26 5/27	CO Atl Sub	H.p. turbine rotor shaft at fwd end of turbine is bent Y	
642282	9/21	Norf.	Report on conditions of HP turbine and reduction gear. Y To CO. Gives Instrns/rel warming of turbines 6c Norf 9/30	
643123	10/2	CO	Report on main propelling machry. Y	

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BUSHNELL MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.
645316	10/12	Norf.	Proposed power turning gear for main turbine - fwds print with estimate. D. To Norf- not neccy to install the turning gear 10/21
646807	10/16	CO	Fwds plan showing blade tip main turbines. D
647346	10/27	Norf	General arrangement of oil coolers sets Fwds prints D To Norf- plan appvd 11/7
653602	12/14	Norf	Lubricating oil coolers and piping for auxiliary generators. Fwds prints D To Norf. Ack receipt of Plan- same assigned file 1/9/23

[OVER.]

1917

Number.	Date.	From or To—	Subject.	
259231	10/29	CO	Request permission to lift casing of H P & L P turbines - Y	
261372	11-16	USS BUSHNELL Atl Sub Force Department	K-1-2-5-6 - fwds report of voyage, with detailed report on performance of engines.D	421-9
342548	8-13	CO	requests drawing for engine air cooler to be forwarded. D.	

1919

391938	1/17	CO	Reports on lifting of turbine casings - Y Fwd Operations. 2-7copy to CO R B 2/11 Fwd CO via Phila. 2-13 RB 2;21;19	
410612	3/25 4/12	CO Dept	Submits report of examination upon lifting of turbine casings - Y	
447815	9:25	CO	Request ~~xxx~~ urgent repairs to lubricating oil cooler.Y	
463112	12;12	Norf To I.M. Norf. Plan fwd 5-19. Norf - oil cooler - fwds print- 5/26-DY	Submits estimate covering renewing shell of lubricating oil cooler.Y o I.M. Norf- Lists work with to be performed. 12-17 Norf-new shell of lubricating oil cooler made of brass-fwds prints-~~Yxx~~ 5;11	

1920

474116	2;4	Phila	Request prints of forced lubrication system.D To - Fwds prints. 2-7	

N.S.E. Form 134.

515-9: BUSHNELL: MAIN ENGINES:

Number.	Date.	From or To—	Subject.	
523203	10;13	CO	Request repair injector.D	
575333	7/12	CO	Ingersol Rand air compressors- ask if use of cylinder oil in steam cylinders will be authorized. D	515/23
577965	7;29	NSD	Reqt disposition of piston rings for scavenger cylinders for.Y&R	
589982	10/8	CO	Subm report on lifting of main turbine casings. Y ~~CO-report on lifting of turbine casing.12;6-Y~~	
		1922		
620364	4/5 4/14	CO Atl Sub	Report covg failure of astern turbine to backing at times. Recommends line shafting be tested BY	

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[OVER.]

3

BUSHNELL: MAIN ENGINES.

1915

Number.	Date.	From or To—	Subject.
147600	2-11	Srattle	Turbine Governor and throttle valve: fwds plan. D. To-- Appvs. 2/27
148969	3-1	Seattle 1837	Tanks for lub oil; fwds plan.DH Fwd C&R-- For comment. 3/12 RB 3/20 Fwd C&R--Rec reconsideration of location. 3/30 RB 4/3 To-- Appvs with modi. 4/5 Seattle--reqt action 4/5
151051	3-26	Seattle 1885	Fwds prints of Governors.DH To-- Appvs. 4/1
153455	4-17	Seattle 194	Lub oil tanks; connections and filling arrgt, etc. Fwds plans.DC To C&R-- Fwds plan for comment. 4/29 C&R satis 5/7 To-- Appvs. 5/14
157806	6-7	Seattle 2032	Foundation liners, holding down bolts, turbine gear casing; plans.DH To-- Appvs. 6/19
157831	6-9	Seattle 2033	Floor plates, ladders, and gratings in eng and fire rooms. Plan. DH To-- Appvs. 6/18
167289	9-28	Seattle	Main engine and reduction gear; contractors used a special "Valveless turbine oil;" Not on Navy cont; asks if use shall be continued.R To Bath-FR-NYS--Reqt information on. 10/4 To Parsons Marine Steam Co-- Fwds copy above. 10/4 Parson Co. "Valvoline" most suitable oil for reduction gearing 10-8 FR comments PO-13
Bath 10-21		CO reqt action 12-1 To CO--Recommendation re use of lubricating oil. 12/10	
		CROSS TO 692	

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N. S. E. Form 134.

BUSHNELL: MAIN ENGINES. 515-9

Number.	Date.	From or To—	Subject.	
180969	2-25	Bost	HP turbine; defective bellows expansion piece; for exhaust: To-- Auth renewal. 3/9	
			1916	
191724	6-24	Falk Co	Asks where vessel will be located July 2 in order to examine reported wear of reduction gears.N To Co. 6-26 Ref. CO 6-26 Falk Co. not MELVILLE 6-19 To CO--Notify Co when convenient to inspct. 7/1 To MELVILLE--Fwds papers to BUSHNELL. 7/1 To CO--Reqt report on condition of gears. 9/30 CO no changes condition reduction gear 1 0/5	
194830	7/28	To Coast Guard Service	Fwds prints showing arrangement of turbines and reduction gear	510-9
195721	8-7	To Bost.	Maneuvering valves for L.P. and astern turbines; directs be removed and each valve be arrnaged for indenpendent control as per H.P. throttle. N	
			1917	
214033	2/9	To CO T	Gives shipping dates of spare cylinders for shipt to Key West. Y	
251069	9/25	Phone Phila	Re crank shafts - BUSHNELL reports none on board.	421-9

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[OVER.]

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BUSHNELL: MAIN ENGINES.

Number.	Date.	From or To—		Subject.	
128185	6/18	Seattle	967	Turbines - reduction gear; fwds plans.D To---appd.7/2.	
128286	6/19	Seattle	980	Clutch coupling and details-main turbines; fwds plan.D To---appd.7/2.	
128285	6/25	C&R		Foundations for engines and thrust bearing	515-8
128713	6-23	Seattle		Turning gear; fwds plan.D To---appd.7/7.	
128712	6-24	Seattle		Turbines; adjusting gear; plan.D To---appd.7/11.	
129742	7-9	Seattle	1047	Reduction gear; for turbines; fwds plans.D To---appd.7/24.	
130327	7-13	Seattle	1075	Turbine; operating governor gear; plans.D To-- Appvd with modifications. 8/21	
130497	7-17	Seattle	1091	Turbine gages and adjusting gear; plans.D	
133931	8-31	Seattle	1226	Reduction gear; turbines; plan.D To-- Appvd. 9/21	
133934	8-31	Seattle	1225	Clurch coupling for main turbines; plan.D To-- Appvd. 9/19	

N.S.E. Form 134.

BUSHNELL: MAIN ENGINES. 515-9

Number.	Date.	From or To—		Subject.	
134885	9-16	Seattle	1294	Forced lubrication; fwds plan for comment. To-- Appvd with modi. 10/2	D
135443	9-19	Seattle	1306	Oil and water tanks in engine room; plans. To-- Appvd with modi. 10/2	D
136760	10-7	Seattle	1385	Floor plates, ladders and gratings in engine and boiler rooms.D To-- Appvd with modi. 10/16	
137974	10-22	Seattle		Forced lubridation; fwds plan showing air chamber.D To-- Appvs. 11/4	
138169	10-23	Seattle		Turbine operating and governor gear; plan. To--Appvs with modi. 11/13	D
138579	10-28	Seattle	8150	Ladders in fire rooms; plans.D To-- Appvs. 11/10	
139459	11-6	Seattle	1539	Floor gratings, etc in eng.room: Plan.D To C&R-- For comment and rec. 11/17 C&R 11/30--floor plates and ladders; fwds prints. To--Appvs for work under its cog. 12/9	
139786	11-12	Seattle		1561 Req't any data concerning Parsons type turbines.D TO -- gives information 11-18	
144388	1-8	Seattle	1733	Turbine governor; plan.D To-- Appvs. 1/21	

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BUSHNELL: MAIN ENGINES. 1913

Number.	Date.	From or To—	Subject.	
111874	11-28	Seattle	Thrust block, main eng; print.D To--appd 12/10	
113801	12-22	Seattle 445	Turbines; plan.D To---appd.1/8	
113849	12-30	Parsons Marine Steam Tur. Co	Recommends that blading be made according to Navy Standard Gages.D To---comments: request quotation for additional gauges named.1/3 Platt lists gages and quotes price 1-9 To J.Platt.Bu desires to make recom for gauges; request information.1/14 Platt, John relative to gage holders 1-21	
114768	1-5	Seattle 477	Fwds plans of l.p. rotor. D To---appd.1/15.	
115847	1-19	Seattle 522	Turbines; descriptive matter;reqt. for aid in installing and inspecting.D To---fwds prints,etc.1/27.	
115897	1/19	Seattle	Turbines, plans	515--9
118914	2-24	Seattle 607	Turbines; genl arrgt plan; fwds.D To---appd as mod.3/12.	
119942	3-9	Seattle 539	Turbines; h l.p. rotors; plans.D To---appd.3/27.	
119940	3-9	Seattle	Turbine lifting guides;etc. Plan.D To---appd.3/27.	

1914

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N.S.E. Form 134.

BUSHNELL: MAIN ENGINES. 515-9

Number.	Date.	From or To—		Subject.
121715	3-31	Seattle		Main turbines; fwds print of lagging, lifting gear, and cylinders.D To---appd.4/11.
124058	4-27	Seattle	783	Turbine plans; fwds.D To---appd.5/16.
125145	5/11	Seattle	831	L.P.turbine rotor; fwds prints.D
125558	5/18	Seattle	853	Turbines; fwds copy of letter from contractors showing analysis of White Metal proposed by them for use on bearings.D TO -- appvd 5-26
126733	6/3	Seattle		Chain hoists for engine room lifting gear. Fwds copy of order and cut.D&S To---appd.6/10.
126908	6/4	Seattle	920	Oil cooler; fwds plan.D To---appd.6/12.
127550	6/9	Seattle	938	H.P. turbine; micrompter for dummy clearances; fwds plan.D To--appd 6/24
127546	6/8	Seattle	951	H.P.steam turbine; fwds plan showing general arrangement; arr of rings, blades,etc.D To---inclosure not received.6/22. Seattle fwds contrs letter 6-26 To---appd.7/8.

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[OVER.]

BUSHNELL BOILERS 1922

Number.	Date.	From or To—	Subject.
646503	10/24	CO	Request install master steam control valve
	10/26	Subm Div 4	~~and 2 forced draft blowers in main fire room.~~ Y
			Fwds CO cc Div 4 11/11
650349	11/2	CO	Report on condition of main boilers Y
	18.	VOID	
651634	12/2	To CO	Radial drill press- request to turn into store authd cc Norf Ya
652325	12/4	Norf	T Rqsts authority to make tube renewal list Y
			To Norf (T) authd estimated cost 12/6
			Norf 12/13 T Neccy to remove tubes in number 1 boiler Y
			Norfolk 12/15 Fwds samples showing condition of tube ends Y
			To Norf (T) retubing authd 12/20

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Number.	Date.	From or To—	Subject.	

515-10

BUSHNELL BOILERS 1922

5

Number.	Date.	From or To—	Subject.	
627007	6/8	To CO	Damaged Terry Blower Rm Requests number of CO 6/10 R	
636605	8/10	To Norf	To Inspr at Hartford Fwds Plan 8/10 Forced draft blower. Fwds Plan Dt	
638194	8/18	C&R	Copy of letter to Norfolk authg issue 24' motor sailing launches 6500 & 8218 to CO BUSHNELL Y	611-5
640917	9/8	CO	Inspr Hart directed to arrange for delivery of blower to vessel at New Lond. Y Inspr Hart- CO Request shipt of blower to Providence instead of Submarine Base. 10/19- (T) Y	
56243	9/28	Inspr Hartford	Request authy to send blower to BUSHNELL at New London S	629

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515- 10
N. Eng. 134

BUSHNELL BOILERS 1922

Number.	Date.	From or To—	Subject.	
621533	FROM CARD 4		Norf- Details of evaporator vapor baffles- fwds prints. 9/14 DY Norfolk 9/19 Fwds prints D To Norf- Fwds prints of plan 9/21 To Norf- rel instln of distilling plant 9/25 Norfolk 9/27 Request instructions covg placing of strainers D To Norf Plan appvd 9/30 To Norf- Reqsts inform rel mat. 10/7 Norfolk 10/11 T. Request approval of proposed installation D Norf- Fwds prints/ 10/13 D To Comdt Norf T Approved 10/12 Dt To Norf Plan appvd 10/24 Norf No date- Resubmits prints D Dept 11/6 Rqsts action D To Norf Plan appvd 11/7 Norf 11/14 Rqsts copy of requisition for indicators D To Norf- Fwds Bu Rqn 11/18 Norf 11/22 Fwds prints covering additional evaporators D To Norf- plan appvd with comments 12/2 Norf 12/7 Ask if bureau auths instln D To Norf- instln authd - gives action taken 12/13 Norf- Request action. 12/18. D	
645670	10/16	Phone to Norf	Distilling plant, feed water heaters use of coolers from condemned 50' steamers- authority to remove Y	
647147	10/17 10/25	Sub Div 4. Norf.	Ask if yard will be able to commence work immediately on yd.	

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[OVER.]

515 -- 10 1918

BUSHNELL: BOILERS

4.

Number.	Date.	From or To—	Subject.	
291951	9-20	To CO	Rqst inform re receipt of shipmt of two new evaporator shells, Y	
14685-140	4/7/22	Eng--S&A	USS BUSHNELL- Boiler tubes, shipmt to.	
618049	no date 4/11	JAG Dept	Report covg damage to #1 boiler on board Fwds Operns 4/17	Y
618342	4/12	JAG	Fwdsr report covg damage to #1 boiler Fwds Navign 5/16	B&Y

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N.S.E. Form 134.

BUSHNELL BOILERS 1922

Number.	Date.	From or To—	Subject.
621533	4/8 4/17	CO Atl·Sub	Request install two additional Riley multi coil evaporators. D. To S&A Reqst shipment of Evaporating plant from Boston to Norf 448 6/6 To Norf-- instln of distilling plant 6/8 To Norf Fwds Vandyke cc CO- 6/13
TO CARD 5			To Norf Gives instructions issued 8/5 cc CO Norf- Fwds print. 8/14 D To Norf- Distilling Plant 8/18 Norf- Request auth to purchase distiller tubing. 8:28 D. To Norf Appvd 9/13
621849	4/28 5/3	CO Atl Sub	#1 fire room turbo blower out of commission. Request new one be furnished DY To Norf repairs authd cc CO 5/16
612271	from card 3		To S&A Boiler tubes-- rel shipment of Ym 5/19 S&A 5/23 Copy of action to Hamp Rds Y
625845	6/19	To Norf	Confirm telephone conversation granting authority to remove generating sets from HENDERSON and install set to be removed from LEPLEY H

√—8381

[OVER.]

BUSHNELL: BOILERS: ETC

1917

Number.	Date.	From or To—	Subject.
263670	11/26	CO	Reilly multicoil evaporators - request new shells for - Y To Phila- Fwds copies of letters. 11-30

1918

Number.	Date.	From or To—	Subject.
291957	3/20	Busch-Sulzer VOID	Main engine spare parts and tools for - fwds contractors request to make changes - D
291951	3/2	CO	Request new shells for Riley evaporators - Y To Phila- Expedite mfg of shells. 3-26 Phila 3/29 - Y Sims - No 6128 - I L 6083 - request immediate shipment of evaporator shell - Y 4/6 To(T)-New evaporator shells completed and ready for shipt when and where do you wish shipt. 4-3 To S&A-Reqt shipt two new shells for evaporators Reilly Multi-coil.36". 4-8 To CO, re shipmt evaporator shells 7-17 To CO 9-20, RB 10-30
375949	12-10 3;19	To Norf Norf.	Re re-distilling plant for battery water, Dc Norf - 1/6 To CO- re re-distilling plant installn of 1-13 ~~CO - relative to installation of additional~~ distiller - 2/4 To I.M. Norf- Gives detail action on. 3-26

N.S.E. Form 134.

515-10:BUSHNELL: BOILERS:ETC:

Number.	Date.	From or To—	Subject.
511216	8;12	Norf copy	Request authority to increase evaporator plant-gives estimate. L To Im Norf (T) Disappvd 8-25
512432	8/18	Norf.	Proposed arrnagement of addtl ventilaing and re-distilling plant- fwds prints. D. To IM Norf Plan appvd 9-4 Norf-submits est-4;26_D To CO Gives action takencc D Norf 5/3
552365	3;19	Norf	Necessary to renew feed tank-ask if will auth shift work. Y
612271	3/4 SEE CARD 4	To S&A 9833	Reqst shipment of tubes from Norf to CO Ym S&A- Copy action to Ham.Rds. 4/1 Y S&A 4/8 Quotes action taken Y
14643-140	3/2	Des Div 25---Opnav	USS BUSHNELL- Boiler badly burned.
14685-140	3/30/22	Combat For Atl --Eng 1922	Regarding Bushnell boilers.

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[OVER.]

BUSHNELL: BOILERS: ETC. 1914

Number.	Date.	From or To—	Subject.	
125328	5/13	Seattle	Evaporators, distillers and feed water heaters; fwds prints.D To - appvd. 6-6	
126737	6/3	Seattle 912	Smoke pipe and uptakes; advises against fitting umbrella at top of stack.D To---requirements.6/10.	
127994	6/16	Seattle 960	Turbo blower sets; fwds plans.D To---appd.6/27.	
128285	6/25	C&R	Foundations for boilers with particular reference to width of boiler supports	515-8
129264	7-3	Seattle 1036	Evaporator; fwds contractors comments on Bu requirements for.D To---comments.7/14.	
130118	7/15	Griscom-Russell Co.	Requests further instruction relative to arrangement of water gage glasses on evaporators.D	
131426	7-27	Seattle 1128	Boiler mountings; plan.D To---appd.~~8/6~~ as mod.8/6	
136760	10/7	Seattle	Floor plates, ladders and gratings in engine and boiler rooms	515-9

N.S.E. Form 134.

BUSHNELL: BOILERS. ETC. 515 -- 10

Number.	Date.	From or To—	Subject.
			1914
139127	11-9	Terry Steam Tur Co.	F-B blowers; gives reasons for failure to secure inspection prior to shipment.S Fwd Seattle-- Comments. 11/10 To Hart-- Comments. 11/10 Hart 11/10.S
			1915
171400	11-12	Seattle.	Prelim trial; work recommended; Govt responsible; fuel oil heater and starter;N To Pug Sd--Supplying suitable oil heater and starter auth; chargeable to Govt. 11/19 To Pug Sd--Auth granted tomanuf or purchase fuel oil heater. 12/21
181255	3-10	To Bost.	Boiler lagging; directs plan and estimate be prepared for fitting additional lagging to boiler fronts. N Bost est for additional lagging 3-16 To--Gives work authorized. 3/25
182011	3-14	Seattle	Boilers; suggested remedy for lessening radiant heat from.N
208887	12-16	Norf	Lists boiler tubes required by; have issued and will replace by tubes in stock CHASN. Y To Norf--Appvs. 1/11
			1917
210512	12-27	Co	Yarrow boilers; states design main feed causes deterioration 2 outside rows on each side of each boiler; request authority to put cross connection to feed boiler thru auxy internal feed piping.D To via Atl Sub--Grants auth. 1/9

NB—0120

[OVER.]

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BUSHNELL BOILERS

1913

L

Number.	Date.	From or To—	Subject.	
96323	5/2	B&W Co.	Reqt print showing boiler ppace.	515--1
102278	7-26	Seattle S&DD Co. T	Reqt. decision re substituting Yarrow for Mosher type boiler/D (T)to---will authorize substitution of Yarrow.7/26.	
102936	8/5	Seattle C&DD Co. T	Asks if Bureau will approve use of 1" tubes for Yarrow boilers.D (T)to---requirements.8/5.	
111596	11-25	Seattle	Fwds print of Rielly Feed water heater and distiller. D To---appd for type only.12/4	
111963	11/29	Seattle 370	Boilers: fwds plans and specifications.D To---appd.12/13.	
113969	12-27	Seattle 462	Feed and filter tank; fwds print.D To---appd.1/8	
		1914		
114272	1-2	Seattle 470	Evaporator; fwds print.D To---appd.1/10.	
114506	1/7	C&R	Boiler,engine, etc. print	515--8

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N.S.E. Form 134.

BUSHNELL: BOILERS. 515-10

Number.	Date.	From or To—		Subject.
115832	1-19	Seattle		Feed water filter and grease extractor; fwds plan.D To---appd as type only.1/30.
116266	1-23	Seattle		Boiler plans; Yarrow; fwds.D To---appd as mod·1/30.
118454	2-17	Seattle	596	Boiler foundations; reqt baffle plates location angle retarders; print. D To---appd.3/6.
120107	3-12	Seattle	651	Boiler test pressure; different under requirements under Steam Boat Inspection and American Bureau Shipping; reqt authority to test at 1-1/2 times working pressure. D To---authorized.3/18.
120559	3-17	Seattle	664	Terry type turbo blower sets; fwds specns. D To---appd·3/26.
120983	3-23	Seattle	3679	Penberthy injector; for boiler; print. D To---appd·4/1.
124059	4-27	Seattle	784	Rielly evaporator; fwds plan.D To---appd.5/16.
124676	5-7	Seattle	817	Fire brick for boilers; plans.D To---appd.5/16.
124748	5-2	Seattle	816	Uptakes in stack; print.D TO -- appvd as mod 5-22

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[OVER.]

Number.	Date.	From or To—	Subject.	
640102	9/1	Norfolk	21' motor dories 8112 & 8113 received from BUSHNELL & will be surveyed Y	611-11
641658	9/9 9/13	CO Norf.	Request auth to turn in MBC engine cylinder. Y To CO- Reqsts inform rel cylinders 9/20 To Norf- The storing of cylinders is authorized cc CO 9/19- Request auth to turn in 6 cylinders for Van Blerck engine, to store. 10/2 Y	
642680	9/23	C&R	Copy of letter to Norf requesting number of 36' launch assigned to BUSHNELL Y	611-8
643984	10/3	Norfolk	24' launches 6500 & 8218 issued to CO BUSHNELL Y	611-5
646780	10/23	Norfolk	Motor sailing launch 8548 issued to BUSHNELL Y	611-8

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1922

BUSHNELL AUX MACHY

Number.	Date.	From or To—	Subject.	
647014	10/28	To USS BUSHNELL	Error in engine number on Van Blerck Engine. Ye	611-12
646420	12/8	To CO	Piston pin bearings for Van Blerck Eng. reqsts report Y	689-31
646420	12/12	CO BUSHNELL	FSubmits information re piston pin bushings for Van Blerck Y	689-31

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[OVER.]

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BUSHNELL: AUXY MACHY. 1919 3

Number.	Date.	From or To—	Subject.	
429135	6/27	C&R	36' motor sailing launches 7793, 7796, 7797 have been shipped to BUSHNELL.	611-2
438095	8/8	To BUSHNELL	Records show engine in dory 2568 to be No 2562 instead of 2563. Asks correction Y	611-2
443734	9/3	NUSHNELL	Reports engine 3295, motor boat 2423 in poor condition; Y.	611-2
444303	9/6	C&R	35' motor boat 2423- BUSHNELL- directs reports as to condition. Y.	611-2
456197	11/15	C&R	33' motor sailing launch 2166 on BUSHNELL destroyed during heavy weather on Oct. 5; Y.	611-2
459874	11/20	BUSHNELL	Reports on changes in power boat machinery Y.	611-2
462454-	12/9	C&R	BUSHNELL- Authorizes issue of motor boat 5025 & Dorys 8112 & 8113 - Y.	611-2
463474	12/15	C&R	35' motor boat 2423 received from BUSHNELL condemned for sale; Y.	611-2
463454	12/15	C&R	21' motor dories 2070, 2568 from BUSHNELL condemned for sale; Y.	611-2
470103	1/9	BUSHNELL	Fwds change in power boat machinery;	611-2

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N.S.E. Form 134.

BUSHNELL: AUXY MACHY 1920

Number.	Date.	From or To—	Subject.	
474038	2/5	To BUSHNELL	Reqst engine number- motor boat 5025-Y	611-2
[illegible]	[illegible]	[illegible]	[illegible]	
504935	7/13	To BUSHNELL	Motor boat- hull number. Reqst correction copy C&R	611-12
514258	8-27	C&R	MSL 1955 shipt from N.L. to Norf via QUINCY turned in by BUSHNELL Y	611-9
515987	9;7	C&R	Elec deck winch to be fitted.L To L Norf Work auth CC CO - C&R. 9-10	
562805	5/10	To CO BUSHNELL	Corection of engine number of 36' motor launch 7796-Y	611-8
BUSHNESS Reqn #188-22 2/16 To CO			has apprvd listed rqn material is available in stock at GUANTANAMO Ye R	
633562	7/18	C&R	Copy of letter to Norf authg issue two 24' launches to CO BUSHNELL Y	611-2
637384	8/11	C&R	Copy of endorsement to S&A approving sale of 36' launch 7793 formerly on board BUSHNELL Y	611-8

1917

BUSHNELL: AUXY MACHY.

Number.	Date.	From or To—	Subject.	
237875	7-11	Phone Phila	Engines Nos 3295 and 3272. re status of survey.	711-2
239459	7-19	Phone Phila	Power Boat engines. Re repairs of engines for	611-2
244118	8-14	C&R	Motor boat 3428 assigned to	611-2
249990	9-19	To S&A	Reqt shipt of Van Blerck Eng 3341 from Ports to Phila for	611-2
249999	9-19	Phone BUSHNELL	Motor boats. Re shipment of engines for.	611-2
250605	9-4	MINNESOTA	Complains of condition in which motor boat 4060, with Sterling engine 3382 was received from CYCLOPS; C-in-C has directed be turned in via VESTAL; MINNESOTA REC engines be turned over during shipment.	611-2
250604	9-21	Ports	Reports shipment of Van Blerck engine 3341 to Phila for motor boat 2100, BUSHNELL and receipt of Sterling 3420/	611-2
255040	10-15	Phila	Reports receipt of motor boat 3428, engine 3409, for issue to the BUSHNELL.	611-2
259883	11-10	Phone Phila	BUSHNELL. Motor Boat No 2100. Re install of Van Blerck Engine in. Y	611-2
259918	11-10	Phone Phila	BUSHNELL, 35' motor boat 2100. Re install of Van Blerck Engine in. Y	611-2

N.S.E. Form 134.

BUSHNELL: AUXY MACHY.

Number.	Date.	From or To—	Subject.	
260186	11-12	To Phila	BUSHNELL. Re engine for boat. Y	611-2
281458	2-14	To BUSHNELL T	Wire performance engine motor boat. Y	611-2
284485	2-26	BUSHNELL VOID	Motor sailing launches 1146 and 1955. Reqt infor re whereabouts of. Y.	611-2.
284485	2-26	Bushnell.	Discrepancies in log submitted re power boats. Y.	611-2.
290050	2-19	USS Bushnell.	Corrects log entry covering boats. Y.	611-2.
292255	3-6	USS Bushnell.	Motor boat engine 3341 list of spare parts. recd with. Y.	611-2.
315900	5/14 5/21	CO BUSHNELL European Force	Submits report of changes in power boat machy. Fwd C&R 6/14	611-2
356641	10/25	Comm Off BUSHNELL	Submits rpr damage to motor sailing launch 2162. Y.	611-2
384729	1/1	CO ONTARIO	CO BUSHNELL, subm report of equipment lost in going to assistance of HMS TALARISH Y	611-2
426865	6/19	C&R	Copy letter to N.Y. concerning 36' sailing launches to BUSHNELL. Y.	611-2

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[OVER.]

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BUSHNELL: Auxiliary Machy

1913

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Number.	Date.	From or To—	Subject.	
98647	6/3	C&R	Recommends purchase of 35' motor boat from Elec. Launch Co. for:	611--2
134241	9-11	C&R	Pg Sd to mfg 2165 and 66 for; 2098 and 2099 assigned	611-2
			1914	
140406	11/24	C&R	Assigns motor dory 2069 and 2070 to	611-2
			1915	
144151	1/5	Talbot Boiler Co (Seattle Co)	Reqt opportunity to install Talbot boiler in launch for BUSHNELL	611-1
148455	2/27	C&R	Directs Pug Sd proceed with construction of 35' motor boats numbered 2423 and 2424; assigned BUSHNELL and issue	611-2
			1916	
175327	1/1	Pug Sd T	Motor boats 2099 M&T eng 3271 developed ignition troubles; reqt authority to substitute Van Blerck 3305 boat 2504	611-2
179923	2/24	To CO	35' motor boat 2423; asks if on board	611-2
188522	5/20	C&R	Assigns motor dory 2568 to	611-2
193882	7/18	CO T	Request authority to purchase starter generator for Murray & Tregurtha engine. Y Fwd S&A-- Auth purchase 7/20	
194195	7/17	C&R	Motor boat 2853assigned	611-2

NB—0120

N. S. E. Form 134.

BUSHNELL: AUX. MACHY. 515 — 11

Number.	Date.	From or To—	Subject.	
195597	7/24	CO	Motor boat 2099 destroyed by fire; engine 3271 saved; request instructions re disposing	611-2
193786	7/15	CO T	Reports motor boat 2099 destroyed by fire, engine 3271 slightly damaged; boat 2853 assigned to replace	611- 2
202992	10/18	Ports	Murray & Tregartha engine 3271 ex 2099 BUSHNELL, received for repairs. Y	611-2
208996	12-18	To BUSHNELL	If motor dory 2568 on board, reqt report of machinery. If not on board disposition.	611-2
212852	1-29	To BUSHNELL	1917 BU Records show no power boat number 2068, reported on board; hull 2069 is on FANNING that hulls Nos 2070 and 2568, the former having installed engine reported install in hull No 2068, are on board.	611-2
230218	5-17	BUSHNELL	Engines 3295 and 3272; reqt bereplaced; impossible to put these engines in running condition.	611-2
233666	6-14	35' motor boat 2855 now	assignedd Bushnell, assigned SOLACE	611-2
234166	6-16	Phila.	Reports issue of engine 3350 to the, BBSH	611-2
236300	6-29	Phila	Launch 2853, engine 3350, removed from BUSHNELL and shippe to SOLACE	611-2

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[OVER.]

BUSHNELL: MAIN CONDENSERS. 1914

Number.	Date.	From or To—		Subject.
115475	1-13	Seattle	498	Main & auxiliary condensers; plans.D To---appd.1/23.
117213	2-2	Seattle	560	Condensers; fwds plans.D To---appd.2/10.
120989	3-23	Seattle	678	Main condenser; fwds print.D To---appd.4/1.
121589	3-31	Seattle		Main; contractors reqt omission of covering; recommends.D To---satisfactory to omit.4/8.
124634	5-12	Seattle	814	Condenser; exhaust nozzles of;print.D TO -- appvd 5-22
136757	10-7	Seattle	1386	Condensers; scuttling valve; fwds plan.D To-- Appvd. 10/15 To C&R--Fws appvd plan. 10/15 C&R satis 10-20
140585	11-20	Seattle	1520	Condenser heads; lifting gear for; plan.D To-- Appvs. 12/9
556468	4;8	Norf		Installation of air compressor and radojet air pump for aux condenser-fwds prints.D To M Norf Ack receipt of prints Gives comment cc CO 4/19 To CO Reqst report be subm covering points listed 4/19

CO-test not held-5;27-D&Y

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

BUSHNELL: HEAT: VENT: REFRIG.

Number.	Date.	From or To—	Subject.
443460 2	9/1	CO	Cold storage plans - reqst alterations - D Fwd Atl Ftl-9-5 Atl Flt-comments on refrigerating installation-10;1 Fwd Dept via C&R. copy to CO and ATL FLT. 10-9 RB 10-30 ~~xxxx~~ C&R 10-11 C&R 10-29 Copy of letter to Norf re alterations in cold storage plant. D To I.M. Norf- Advise present condition of ice machines etc. copy to CO-Operations and C-C ATL FLT. 10-31 Norf 11/6. Norf-fwds print showing alterations-12;13 Fwd C&R. copy to I.M. Norf. 12-20 RB-1;8 C&R-copy of action to Dept-12;30 To Norf- Lists work authorized. copy to CO. 1-9 Fwd C&R. 1-9 C&R-copy of action to Norf-1;13
513698	8/25	Dept	Stay at Norf. extended to cover ice machine instln. AY
528225	11;8	Norf	Rearrangement of refrigerating plant-fwds prints.D To IM Norf Plan assgd file No 11-19
637408	8/15	To Comdt's Navy Yds	Fwds revised print of Allen Dense Air Ice Machine Valves Ds Norfolk 8/12 Valves for Allen Ice Mach. Fwds prints D To Norf Fwds prints 8/30

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N.S.E. Form 134.

BUSHNELL HEAT VENT REFRIG 1922

Number.	Date.	From or To—	Subject.	
64 9647	11/8 11/10	CO Sub Div 4	Rqsts assist ship's force in installing equalizers and 300 KW generators L	

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[OVER.]

BUSHNELL: HEAT:VENT: REFRIG. 1913

Number.	Date.	From or To—		Subject.
110551	11-11	Seattle	33	Dense air ice machine; fwds b/p of Allen type.D To---appd.12/3
		1914		
125582	5/22	C&R		Ventilation plans; fwds.D Fwd C&R satis 6/6
129948	7-14	C&R	3057-11	Ventilation; for engine and boiler rooms; fwds plans with comments.D Fwd C&R.satisfactory.7/25.
131099	7-24	Seattle	1107	Refrig plant; genl arrgt plans;fwds.D To---appd as mod.8/6
133328	8-25	Seattle 1208		Refrig plant; piping for; fwds plans. D To-- Appvd. 9/14
133381	8-31	C&R	30057-E.1	Engine room ventilation; fwds plan.D
134013	9-8	C&R	3057	Boiler and engine room ventilators; fwds plans.D
138375	10-29	C&R	30056-E.1	Ventilation and heating system; fwds plan.D Retd-- Appvd. 11/17

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N.S.E. Form 134.

BUSHNELL: HEAT: VENT & REFRIG 515-13

Number.	Date.	From or To—		Subject.	
138747	10-30	Seattle	1510	Steam Heating system: fwds genl arrgt plan with comments.D To-- Appvd with modi. 11/14	
142371	12-11	Seattle	1656	Steam heating system: mod plan.D To-- Appvs with modi. 1/6	
143068	12-22	C&R	30057-E.1	Ventilation: fwds plans.D Retd-- Comments. 1/8	
			1915		
144163	1-5	Seattle	1735	Dispute with contractors over kind of pipes and flanges required for heating system. D. To--Contr's correct: proceed with work in accordance with appvd specfns. 1/13	
168608	10-15	C&R		Ventilation heater: fwds plan.DH	
170663	11-10	Fwd C&R.		Coild storage spaces: insulation: noted.N	
			1916		
189265	5-27	C&R		Asks data on refrig machinery.D TO -- allen 6-1	
	7-25	To CO?		Reqn #1: portable ventilation sets; reqt further information on. L-R	
391724	1/17	CO		Request install cut out valves in auxiliary steam line and renew insulation and lagging from ice machine to cold storage Y	515-8

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[OVER.]

1917

BUSHNELL: PROPELLERS.

Number.	Date.	From or To—	Subject.	
229922	5/10	CO	Clutch couplings of HP and LP turbines - defective lubrication - fwds prints and photographs D To Phila--Fwds corres and prints for comment.5/28 Phila - will report June 22nd 6/12 D Phila - fwds print and reports difficulty with present clutch coupling D To Falk Co--Fwds corres in connection with unsatis operation of clutch coupling installed on.6/26 Falk Co 6/28 D To Phila--Auth manuf of clutch coupling.7/3 Phila - 7/31 L CO - 11/7 - D CO - 11/9 D	
245987	8/27	To Phila	Directs place spare propeller blades on hand for, on board. Y	
395129	2;10 2;11	Phila CO	Recommends no new turbine shaft clutch couplings be furnished at this time D To- Material should be surveyed for further disposition. copy to CO 2-25	
425553	6-12	CO	Rqst auth to turn in 4 spare propeller blades. To CO- Auth to turn into store 4 propeller blades now carried on board. copy to S.O. Norf. 6-18 CO-will turn in when visits home yard-9;23	Y

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N.S.E. Form 134.

BUSHNELL PROPELLERS 1922

Number.	Date.	From or To—	Subject.	
603232	1/5	Norf.	Propeller report. Y	
654747	12/23	Norf	Propeller report Y	

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[OVER.]

BUSHNELL: PR PELLERS.

1913

Number.	Date.	From or To—		Subject.	
105369	9-9	C&R	29743-E.1	Stern post rudder; fwds print.D To - cannot give infor.until shaft plan received 9-24 To---plan satisfactory.12/4	
110552	11-11	Seattle	329	Propeller; prelim drawing;fwds.D To---appd.12/4	
111121	11-19	Seattle	343	Arrgt and details of shaft, stuffing boxes; print. D To---appd.12/4	
111614	11-26	Seattle	6359	Stern tubes, spring bearings; print.D To-- appd 12/10	
112710	12-9	Seattle	399	Propellers; fwdsprint.D To---refers to 110552-515-14; no modifications desired.12/17	

1914

115361	1/13	Seattle		Torsionmeter, reqt permission to bore 4" axial hole in line shafting for fitting Gary Cummings.	515--24
116269	1-14	Seattle	508	Shafting; fwds contractors reqt to make change from approved plan; (Plan not Recd.) Fwd C&R.for comment.2/2. To---appd.2/11.	
116439	1-26	Seattle	546	Wrenches and templets for propellers; b/p.D To---appd as mod.2/4	

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N. S. E. Form 134.

BUSHNELL: PROPELLERS. 515-14

Number.	Date.	From or To—	Subject.
120105	3-12	Seattle	Fwds contractors letter relative to interpreting specns covering-~~specns~~ inspection shafting. S Fwd Pitts for detailed account of inspection.3/16. RB 3 23 Ret---via Pitts. action of Inspr Pitts.satisfactory.3/24. RB 46
127541	6/8	Seattle 930	Shafting: fwds plan showing changes required due to installing torsion meters.D To--appd 6/24
132905	8-20	Seattle	Propeller hub; fwds test record and sketch; reports blow holes in casting.DS To-- No action taken. 8/28
134085	9-5	Seattle 1257	Propeller hub; blow holes; recommends filling by oxy-acetyline process and acceptance of To-- Satisfactory to Bu. 9/12
135638	9-25	Seattle 1331	Line shaft; method of calibrating; print.D To-- Ap vd with modi. 10/12
			1915
151350 VOID	4-2	Navgn	K-6; reqt diameter of propeller shafts. DH
169192	10/20	Seattle	Reqt instructions re spare propeller called for.DH To--Will be duplicate of those used on recent trials. 11/4
			1916
176846	1-17	seattle	SPare propeller blades now on bard;N

NB—0120

[OVER.]

BUSHNELL: PIPING.

1916

Number.	Date.	From or To—	Subject.	
199460	8-31	CO	Install pipe connection for generator exhaust from main condenser while under way and at anchor. Y Fwd Bost--For estimates. 9/20	
227353	5/9	Phila	Requests prints of piping D	
			1917	
231680	6-2	Phila	Steaming exhaust arrangements for.	286-10
277486	1-31	Phone Phila	Machine Shop: Gear shapers for. Bu will appvd propriety reqn for one machine. Y	
523204	10;13	CO	Request repair two defective sections of fire main in engine room. Y Fwd C&R. 10-18	
		1921		
595073	11/3 11/5	CO Atl.Sub.	Request install separator and trap in steam line to ice machines. D.	
595072	11/3 11/5	CO Atl.Sub	Request install drain lines and trap on auxiliary steam line in engine and fire room. D. To CO Drs appvd 12/10	

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N.S.E. Form 134.

BUSHNELL PIPING 1922

Number.	Date.	From or To—	Subject.	
652738	12/7	Norf	Rqsts piping. Fwds prints D	
			To Norf- Fwds Plans 12/13	

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BUSHNELL: PIPING.

1914

Number.	Date.	From or To—		Subject.	
135058	9-18	Seattle	1302	Steam and exhaust pip ng; fwds plans showing joints, fittings, etc.D To-- Appvd with modi. 10/2	
136525	10-5	Seattle	1374	Work shop tools; Hemming Mch Co. states milling machines are always purchased for No.10 in lieu of No 9 taper.D. To--Instructions. 10/13	515-18
138508	10-26	Seattle	1491	Steam piping; plan.D To-- Appvs with comment. 11/11	
138748	10-30	Seattle	1509	Aux steam fittings; plan.D To-- Appvs. 11/14	
139051	11-3	Seattle	1538	Pipe covering and lagging; fwds copy of Company's proposed specns; have informed require 85% magnesia and 15% asbestos.D To--Appvs with modi. 11/14	
139088	11-2	Seattle	1523	~~Forced~~ Steam and exhaust piping to deck machy; fwds plan.D To-- Appvs. 11/14	
139883	11-13	Seattle	1562	Water service piping to spring bearings; plan.D To--Appvs with modi. 12/5	
140572	11-20	Seattle	1589	Steam piping for fire extinguishing system; plan.D. To-- Appvs. 12/10	
140563	11-25	Seattle	1595	Arrgt turbine drains, steam piping to glands, etc. Plan.D To--Appvs with modi. 12/9	

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N.S.E. Form 134.

BUSHELL: PIPING. 515-15

Number.	Date.	From or To—		Subject.	
140748	11-23	Seattle	1599	Deck stuffing tubes; plans.D. To-- Appvs. 12/9	
141944	12-8	Seattle	1633	Fwds print of ~~T~~ for steam pipe to galley.D To-- Appvs. 12/16	
~~142371~~	12-11	Seattle	1656	Steam heating system; mod plan. D	13
143153	12-23	Seattle	1703 1915	Fittings for steam piping and turbine glands and drains; print.D. To-- Appvs. 1/6	
143933	1-2	Seattle	1719	Water service piping; fwds plan showing drain and stern tubing; contractors claim increased cost. D. To--Disappvs; will not be fitted. 1/18	
152025	4-5	Seattle		Piping connections for warming up turbine; plan. DH To-- Appvs. 4/14	
15[illegible]162	5-1	Seattle	1974	Contractors claim inc cost for covering and lagging pipe flanges.DH To--Will not required to be covered.5/11	
154330	4-30	Seattle	1970	Slip joints steam piping; packing for; pln. DH To--Disappvs;gives quality perferred.5/13	
155758	5-21	C&R		Sea suction pipes; fwds plan.DH Retd-- 5/2	

NB—0120

[OVER.]

BUSHNELL: PIPING: 1914

Number.	Date.	From or To—		Subject.	
115835	1-19	Seattle	518	pipe fittings; fwds plan.D To---appd.1/30.	
115895	1-22	C&R	30049-E.1	Sea chest; fwds print.D Fwd---satisfactory.2/2.	
118920	2-28	C&R	30101-E 1	Main and aux drainage plant; fwds plan.D Ret---satisfactory.3/10.	
120144	3-12	Seattle	653	Macomb strainers; fwds plan.D To---appd.3/27.	
122884	5-17	C&R	20101-E.1	Furnish aux. drain; fwds print.D Ret---comment.4/30.	
122929	4-18	C&R	20049-E.2	Outboard delivery pipes; plan. D Fwd C&R satis as mod 4-24	
123214	4/18	Seattle	757	Grease extractor; fwds print.D To---appd.5/5	
124665	5-7	Seattle	(Hull)	Relative to location of shaft alley section, etc.D Fwd C&R.5 /14	
125937	5/27	C&R		Outboard delivery pipes; fwds plans.D	
126173	5/29	C&R	30358-E.1	Fire, sanitary and water systems; fwds plans.D To-Seattle satisfactory.6/12. Ret---.6/12 C&R asks if connections to be provided for filling a d pumping water from battery water tank 7-2 To C&R.desires hand pump be installed 7/11.rb 7 21	OVER

NB—0120

N.S.E. Form 134.

BUSHNELL: PIPING. 515---15

Number.	Date.	From or To—		Subject.
127549	6/9	Seattle	936	Main steam nozzles; fwds plan. Invites attention to bolting and pitch of auxiliary steam and main steam piping.D To---appd·6/25.
129614	p7-6	Seattle		Piping; fwds plans.D To---appd as mod.7/25.
129778	7-9	Seattle	1058	Main steam nozzles; contractors state that test pressure 770# complies with steam boat inspection rules. D To---states what satisfactory.7/15.
130706	7-18	Seattle	1093	Steam strainers for piping to turbines; fwds plan.D To-- Appvd with modifications. 8/21
126173		SEE OTHER SIDE		Fwd C&R.desired hand pump and hose connections be installed after del.of ship.7/24
131234	7-29	C&R	30357-E.1	Fwd-fire, sanitary and fresh water system; Plans.D
131799	8-7	Hungerford B&C Co.		Copper tubing; reqt instructions be issued to Inspr. Hart relative to specns covering.S To Seattle.comments.8/10. Fwd Hart.8/10.rb 8 12
133272	8-25	Seattle	1206	Method of securing flanges to steel pipes.D To-- Appvd. 9/2 Seattle submits revised plans 9-17 To-- Appvd. 9/24
133865 3	9-1	Seattle		Blkhd flanges; fwds prints showing.D Fwd C&R 9-15 rb 9 23 To-- Appvd. 9/24

NB—0120

[OVER.]

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N.S.E. Form 134.

BUSHNELL OIL FUEL SYSTEM 1922

Number.	Date.	From or To—	Subject.	
654215	12/18	Norf.	Fuel oil service piping from pumps to to heaters - fwds print. D. To Norf- Ack receipt of Plan- assigned to file 12/30	

NB—0120

[OVER.]

BUSHNELL: OIL FUEL SYSTEM.

1916

Number.	Date.	From or To—	Subject.	
204099	10-28	Bost	~~Fuel oil tank; request instructions re fitting fire extniguisher. N~~ To--If no steam connections to fuel oil tanks for purpose of steaming them out, Bu desires that they be installed. 11/2 Bost 11-20	
			1922	
627059	~~To-~~ 6/12	To CO	Heating coils in fuel oil tanks Reqst inform Dt CO 6/14 D	
637915	8/15	CO	Request auth to turn in tips & plugs Y Y to 21 To CO Authy granted cc Norf 8/22	
646504	10/24 10/26	CO Subm Div 4	Remove piping in fire room and discharge side of fuel oil service pumps. D. Fwds CO 11/3	

515 -- 16

BUSHNELL, Oil fuel system 1914 1

Number.	Date.	From or To—		Subject.	
115897	1/19	Seattle		Fuel oil system, plans	515--8
118775	2-27	C&R	30037-E.2	Fuel oil system; fwds print and cuts of arrgt of tanks, suction piping, etc. D To Seattle.--Ret---, plan satisfactory; satisfactory to omit deck operating gear from all valves in fuel oil piping in fire rooms.3/11.	
122533	4-15	C&R	30037-A.2	Fwds corres quoting Lloyd's rules relative to arrgt of valves, etc.D To Seattle. Fwds copy corres.re emergency control.4/17. Ret---4/17.	
123360	4/23	C&R	30037-E.2	Fuel oil system; fwds prints with comments.D To Seattle.Fwds copy of corres.5/5. Ret---comments.5/5.	
125331	5/14	Seattle		Fuel oil manifolds and fittings for fuel oil system; fwds prints.D To---appd.6/5.	
126167	5/25	Seattle	885	Fuel oil burners; fwds plan.D To---appd.6/9.	
127020	6/4	Seattle	921	Oil burners for oil heaters; fwds plan.D To---appd as mod.6/13.	

NB—0120

N.S.E. Form 134.

BUSHNELL: OIL FUEL SYSTEM. 515---16

Number.	Date.	From or To—		Subject.
130180	7/17	C&R	30037-3	Suction pipes and fuel oil tanks; requests comments re omission of U bends.D Ret---comment 7/25.
132435	8-11	Seattle	1172	Oil burning plans; 3 way cock; plan. D To-- Appvd. 8/24
133323	8-25	Seattle	1207	Oil burning system; fwds plans showing arrgt heaters and connections,etc.D To-- Appvd with modi and comment. 9/14
135922	9-28	Seatle	1345	Fuel oil system heater; plans/D To-- Appvd. 10/7
136566	10-5	Seattle	1371	Fuel oil heater and strainer; plan.D To-- Appvd with modi. 10/16
137906	10-21	Seattle	1453	Fuel oil burning plant; inspection tank for fuel oil; drain; fwds plan.D To-- Appvs with modi. 11/7
			1915	
143516	12-28	Seattle	1715	Burners and piping at burners; plan.D To-- Appvs with modi 1/21
			1916	
181922	3-17	Phila	R	Reqt misc drawings in connection with mfg oil burners.DH Seattle (T) vandykes fwd Phila to-day 3-18 To Seattle--(T)Fwds Phila prints. 3/18 To Phila.prints sent 18th 3-20

NB—0120

[OVER.]

515——17

1917

BUSHNELL: COAL HANDLING AND STOWAGE OF:

Number.	Date.	From or To—	Subject.	
254455	10-13	To Pug SD	Installation of three foundry blowers. A	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
358341	9;30	Eurp. Fce.	Req. one single circuit portable winding machine be supplied to Bush. L To CO, re arc welding sets, 10-17	
377706	12/16	to CO BUSHNELL	Reqts a list of hand and bench tools.	3-T-1
433527	7-16	CO	Rqst addtl mach tools listed be furn. To CO- Reqt for additional machine tools disappvd. 7-25	Y R
515248	8;30	CO	Welding equipment.Y&L Fwd Norf 9-8	
626560	6/6	To CO	Machine tools requested for ship-- SONYD #643 To S&A Rqsts shipmt of Tools from So Brook to USS BUSHNELL. 7/1 cc D Div Y #644 To S&A Rqsts shipmt of Tools from Phila to USS BUSHNELL 7/1 Y cc D Div #642 To S&A Rqsts shipmt of tools from Chas. to USS BUSCHNELL 7/1 Y cc D Div. CO BUSCHNELL- 9/13 RS To CO- Norf- gives instrns rel boring mill 9/22	

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N.S.E. Form 134.

BUSHNELL WORK SHOP- TOOLS 1922

Number.	Date.	From or To—	Subject.	
651634	11/27	CO	Request auth to turn in drill press at Norf. Y To CO- authd 12/2	
636000	12/6	Phila	Rel to proper charge covg milling machine for BUSHNELL K	602
652662	12/5	CO	Reqsts substitution of motor driven lathe for belt driven one. To CO BUSHNELL- Rqst substitution of for motor driven lathe. N cc D Div Hamp Rds Norf.	
654497	12/23	Norf T	Gives value of lathe Y To CO- Norf (T) authd 12/22 To Norf CO (T) gives inform rel issue of lathe 12/27	

515 -- 18

BUSHNELL: MACHINE TOOLS.

1914

Number.	Date.	From or To—	Subject.	
137840	10-21	Seattle 1451	Vise; reports substitution for approved type by contractors; recommends rejection.D To-- Instructions. 11/7	
143010	12-21	Seattle 169	Recommendsspares be proveded for machine tool motors.D. To--Do not consider necessary. 1/8	
143305	12-21	Seattle	Vises; fwds catalogs. D. To-- Appvs. 1/6	

1916

186352	4-3 4-29p	At Sub Flo C&R	Machine shop; objects to wood decks. YD Fwd C&R--Comments onL 5/2	
200498	9-23 9-27	Bost S&A	Elec welding outfit; asks if Bureau has covered by Reqn. R Fwd S&A--Pur. May 23, 1916; award made to Wilson Welder & Metals Co. NY. 9/29	
26875	5-12		Reqt disposition of elec welding outfit purchased for the Bushnell; gives results of test etc.	629
233927	6/14	CO	Request authority to turn in store chuck lathe Y To--Gives action.6/18	

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N.S.E. Form 134.

515 -- 18 BUSHNELL: MACHINE TOOLS.

Number.	Date.	From or To—	Subject.	
29988	7-14	To S&A	Reqt shipt of arc welding set from S&A to Phila for BUSHNELL	629
29988	7-18	Bost	BUSHNELL: ard welding set for; states have bill of lading showing delivery to Phila.	629
241305	7/29	Phila	Electric welding outfit - asks when delivery may be expected and request disposition to make of motor generator and switchboard To--8/9 5	L
29988	8-10	To Phila.	Install of arc welding set on BUSHNELL approved.	629
243862	8/14	C&R	Authorizes incidental work in connection with installation of arc welding set Y	
253809	10/5	Phila	Electric welding outfit; reports all items recd except motor generator - reqst Bureau take up question of expediting delivery - Y Fwd Boston- Reqt information as to shipt of above material. 10-13--RB-10/17. To--Motor gen set ship on Oct 11th express.10/19	

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[OVER.]

N.S.E. Form 134.

BUSHNELL: WORKSHOP & TOOLS. 515-18

Number.	Date.	From or To—		Subject.
128757	6-25	Seattle	993	Forge for blacksmith shop: fwds specns and cut. D To---appd.7/11.
129107	6-30	Seattle		Lead melting outfit: fwds list of tools and catalog.D. To---appd.7/11.
129108	6-30	Seattle		Blacksmith tools: submits list.D To---appd with additions.7/11.
131413	7-29	Seattle	1131	Work shop tools: fwds infor ation re type of motors for lathes. and catalog of drill.etc. D To---approves Willey type of drill.8/10.
133810	8-31	Seattle	1232	Fwds print of Parker vise.D TO -- appvd 9-9
135989	9-29	Seattle	1349	Forge: can furnish either variable speed enclosed or constant speed open; but not constant speed enclosed.D To-- Commens. 10/14
136525	10-13	Seattle.	1374	Work shop tools; Hemming Mcg Co states milling machines are always purchased for No. 10 in lieu of No.9 taper. D To-- Instructions. 10/13
137393	10-13	Seattle	1414	Machine shop air accumulator for air tools; fwds plan.D To-- Appvs. 10/27

NB—0120

[OVER.]

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BUSHNELL: WORKSHOP & TOOLS.

1914

Number.	Date.	From or To—		Subject.
121265	3-27	Seattle	696	Machin shop; reqt plan of proposed marine furnace. D To--Bu. has no standard type plan. Mircs Co. installation satis 4/3
126200	5/27	Seattle	891	Foundry, blacksmith and coppersmith equipment; fwds copy of order with cut. D&S To--appd with mods 6/6
126841	6/3	Seattle	918	20-ton hydraulic coupling bolt jack; fwds plan. D To---appd. 6/12.
127484	6/9	Seattle	940	Coppersmith equipment; fwds catalog. D To-- Appvd. 6/17
127900	6/15	Seattle	956	Marine combination furnace and molding appliance; fwds plans. D To---appd as mod. 6/30.
127917	6/15	Seattle	957	Workshop tools; fwds prints, spcfns, etc. D To---appd as mod. 7/13.
128720	6-10	Seattle	958	Machine shop; arrgt of; print; (Not recd). D To---appd. ####. as mod. 7/11.
128756	6-25	Seattle	992	Radial drill; fwds plan. D

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BUSHNELL: PUMPS

1915

Number.	Date.	From or To—	Subject.	
165477	9-3 9-9	Seattle C&R	Fire pump; reports on test of; inaddquate.	DH
184839	4-15	C_R	Sanitary pump not large enough; change called for by Bd I&S. DC To Bost--Auth inc size of pump. 4/18 To--Fwds copy above. 4/18	
			1917	
244797	8/18	CO	Request pump Ex-MEMPHIS be issued for use as evaporator feed pump D To Phila--Gives action.8/21	
347167	8-13	CO	C&R 10 pumps and periscopes.	
395799	2;17	Phila	Circulating pumps and engine req. pump.	D
443461	9/1	CO	Alterations - larger sanitary pump - D Fwd C-C Atl Flt. 9-5 Atl Flt-recommends flushing mains be renewed/10.1 Fwd Operations via C&R. copy to CO and ATL FLT. C&R-copy of action to Norf--10;14	10-6 R B 10-24

Ar Flt-copy of letter to Navgn recommending approval travel orders for Comdr Fisher to investigate alterations of BUSHNELL.
cross to 8

To CO- No auth work in connection with larger sanitary pump. 10-28 copy to C-C ATL FLT.

515--19
N.S.E. Form 134.

BUSHNELL PUMPS 1920

Number.	Date.	From or To—	Subject.	
523203				
			~~Fwd CO Repairs Eng Reqstd 10-18 D.~~	
636000	9/21	Norfolk	Ask inform rel to increased price for pumps for installation on board BUSHNELL K	602
646153	10/16	CO	Request repairs to main feed pump Y	

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1913

BUSHNELL: PUMPS.

Number.	Date.	From or To—	Subject.
110562	11-11	Seattle To---requirements.12/22.	Circulating pump; fwds print.D To---appd as mod.12/4 Seattle reqt action 12-4 Seattle contrs respon for delay 12-15
111496	11-22	Seattle 351	Circulating pump engine; print.D To-- appd as modified 12/10
113616	12-20	Seattle 444	Circulating pump; plan.D To---appd.1/3
		1914	
115828	1-19	Seattle 516	Fresh water pumps; fwds plans.D To---appd for type and size only.1/30.
116156	1-23	Seattle 534	Pumps; fwds plans.D To---appd for type and size only.1/30.
118989	2-28 3-2	Blake & Knowles Co Mass	Protests against ruling of that detailed tracings must be submitted for approval before proceeding with construction. D Mass reqt action 3-17 To Seattle & Mass.reqst appd.3/20.
120032	3-11	Seattle	Circulating pump; engine plans.D To---appd.3/26.
123072	4/20	Kingsford Foundry & Machine Works	Fwds prints of 1-1/2" side suction pump.D To Seattle.fwds prints.4/30. To Co.will approve when submitted thru contr.4/30.

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N.S.E. Form 134.

BUSHNELL: PUMPS: 515---19

Number.	Date.	From or To—		Subject.	
123732	4/29	C&R	30358-E.1	Pumps for fire and flooding; provisions made by S.E. inadequate.D Ret---comments.5/1.	
124593	5-5	Seattle	805	Forced lubrication; oil cooler, circ pumps; submits alternative proposition and prins.D To---appd.5/16.	
124982	5/8	Seattle		Circ. pump engine; relative to length of columns; states 1-1/8" too short.D To---decrease clearance approved.5/19.	
126840	6/3	Seattle	911	Fresh water pump; fwds plan.D To---appd.6/22.	
128525	6-27	Mass		Fwds corres with Blake & Knowles Co. giving reasons for not submitting detailed drawings of pumps. D To Seattle: appd; not to be taken as a precedent.6/30. Rb 7 11	
128972	6-26	Seattle	1004	Hand pump; plan. D To---appd.7/14.	
129742 VOID	7-11	Seattle	1047	Re	
134151	9-8 9-9	Blake & Knowles Co. Mass		Reqt permission to proceed with construction of pumps without approval ofdetailed drawings.D TO Seattle appvd if satis to Co 9-15 TO Bost appvd 9-15	

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[OVER.]

1914

BUSHNELL: VALVES.

Number.	Date.	From or To—	Subject.	
143116	12-17	Seattle	Steam traps; fwds plan of.D To--Appvs with comment. 1/6	
		1915		
143936	1-2	Seattle 1720	Steam pipes; fwds plan of regulator valve for steam lines to feed pumps.D To-- Appvs. 1/18	
147234	2-10	Seattle. 1816	Reducing valve; rec appvl. S To--Appvs. 2/16	
155870	5-24	Lunkenheimer Co	Bib cocks; asks kind of pad locks required.D To--Fwds specfns covering. 5/26	
		1916		
180716	3/4	CO	Reqt extension rods for boilerstop valves	515-8
		1917		
256737	10/23	Phila	High pressure reducing valve - request plan D To- Plan cannot be identified byn number given. Print will be fwded when correct number is given. 10-26	
281299	2-9	Insp. NL.	Fwds. bills for spare parts. R. Fwd S&A- 2-15 To S&A- Reqts return reqr 3-1 To S&A 3-1 RB 3-8. R Fwd S&A 3-11	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
		1919		
5627	3/12	Brook.	Complete shipt of valves and pump spares for USS BUSHNELL will be made 3/20.L.	629
Norf 146	8/26	To Norf	Info reqst status of material. R	
444948	9/8	BUSHNELL	Sea valves deterioration of cast iron- fwds samples of metal. D&S	724-5
		1920		
469330	1;13	NY V O I D	Brush holder details main propelling motors- fwds prints.D	
		1920		
469326	1;6	Norf	Deterioration of cast iron valves sea chests etc - estimate covering repairs.D C&R-copy of action to Norf-1;14 To Norf- Lists alterations auth. copy to CO and C&R. 1-16 Fwd C&R. 1-16	
		1922		
628977	6/15 6/19	CO Atl Sub	Rqsts install cut out valves on steam lines of pump list D To CO- instln authd cc Div 5- Atlantic Sub Flotillas- Norf 6/27	

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[OVER.]

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BUSHNELL: VALVES.

1914

Number.	Date.	From or To—		Subject.
120839	3-21	Seattle		Misc valves; fwds print.D To---appd·4/4.
125329	5/12	Seattle		Miscellaneous valves; fwds prints.D To--appd 6/6
130264	7-11	Seattle		Relief valves; fwds plans. D To---appd as mod.7/25.
130423	7-14	Seattle	1069	Valves for steam and water pipes; plan.D To---appd·7/24·
130420	7-14	Seattle	1078	Steam valves; fwds plans.D To---request letter.7/25. To---appd as mod.8/6
130703	7-18	Seattle		Safety valves; fwds plans; is cast iron in lieu of composition specified.D To---appd as mod.8/4
132012	8-3	Seattle	1149	Safety valves eazing gear; print.D To---appd as mod.8/13.
132330	8-15	C&R	30358-E.1	Scuttling arrangements; reqt gate valve be provided.D To---8/18
132478	8-12	Seattle	1169	Cross valves; fwds plans.D To-- Appvd. 8/24

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N.S.E. Form 134.

BUSHNELL: VALVES. 515-20

Number.	Date.	From or To—		Subject.
133933	9-3	Seattle	1241	Valves for water and salt piping; plans.D To-- Appvd. 9/19
134376	9-8	Seattle		Safety valves; fwds plans.D To-- Appvd. 9/19
134455	9-10	Seattle	1270	Valve manifolds for evaporator and distiller pump piping; plan. D To-- Appvd. 9/19
134966	9-16	Seattle	1293	2-1/2 angle and cross valves; plan.D To-- Appvd. 10/1
135444	9-19	Seattle	1307	Butterfly valve for main steam line; plan. D To-- Appvd. 10/7
135923	9-28	Seattle		Safety valve lefting gear; plan.D To--Appvd as modi. 10/7
136545	10-3	Seattle	1365	Valve for exhaust piping; plan.D To-- Appvd. 10/16
138339	10-26	Seattle		Manifold valves for fire extinguishing sys; plan.D To-- Appvs. 11/4
140565	11-20	Seattle	1592	Low pressure valve manifolds for compressed air system; fwds plan.D To--Appvs with modi. 12/9
142044	12-7	Seattle	1627	Steam traps; plan. D To--Appvs with comment. 12/18

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[OVER.]

BUSHNELL: ALLOWANCES:

Number.	Date.	From or To—	Subject.	
610794	2;24	To CO	Reports corrections in Bureau re stock records submarine material.Ym	
612778	3/10	To CO	Submarine material- Gives change of material sheets as listed Ym	
624935	5/25	To CO	Submarine material Reqst report YM	
626852	6/6	CO	Report covering over expenditure in allotment Y To CO Addnl Allotment authd cc S&A 6/10	
631017	6/30	CO	Annual inventory - fwds material card.	Y

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N. Eng. 134

BUSHNELL ALLOWANCES 1922

Number.	Date.	From or To—	Subject.	
632396	7/11	CO	Fwds balance sheet equippage B material quarter ending 6/30 Y	
631889	7/15	To CO	Gives change in allowance cc E0 S0 yard- vessel Ly	
638751	8/22	CO	Request allowance list be furnished Y To CO Fwds allo books 8/24 CO 10/20 Fwds allowance list Y To Norf- Ask if allow. list recd 10/26 To CO- Fwds allow list 10/26 Ndref 12/5 Y /4 Fwds contractors invoice D CO BUSHNELL 12/12 Y	
653090	12/8	CO	No matl issued title DPK on account of repairs to other vessels Y	

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[OVER.]

BUSHNELL: ALLOWANCES

Number.	Date.	From or To—	Subject.
422032	5;26	CO	Req. auth. to turn in propeller blade patterns and cyl. patterns at Phila Yd Y To S&A- Reqt shipt propeller blade patterns from CO to Phila. 6-3 Phila - 6/18 To CO- Reqts take necessary action to insure delivery of material. copy to S.O. Bushnell S.O. Phila. 6-21 o Comdt Phila- Advise if any steps taken to transfer outstanding job orders. copy to Sub Div. 5. 9-28 Phila 9-30 (T) No patterns available. S&A-3;22
432043	7-7	CO	Rqst oxy acetylene welding and brazing outfit be included in allowance. Y To CO- Inform if additional equipment is desired and if so fwd itemized list. 7-16 CO-7;21
434002	7;7 7;19	CO C&R	Request allowance list be increased by pattern scroll saw. To CO- Advise when saw is received.7-23 To S&A- Reqt shipt scroll saw from Phila to NY. Rn 7/23 --RB-8;30 CO-8;20. To CO if saw assigned is too large, approves reqst in letr of 8/20- 9/2
458052	11;4	CO	Fwds electric allowance book.Y To - Returns elec allow list for further checking. 11-24 CO-fwds allowance book-12;8

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N. S. E. Form 134.

1919

BUSHNELL: ALLOWANCES 1920

Number.	Date.	From or To—	Subject.	
473767	2/4	To CO	Fwds allowance book fore revision Y	
			1920	
511137	8;10	CO	Request increase allowance covering air hose. Y To CO changes to be made 8-14	
555359	4/5	To CO	Gives Changes in allow list cc C° E° Ves- IM S° Norf 4/5 Y	
556771	4/13	To COBUSHLEIL	Ask for report of receipt for Pistons Y CO-4;28-Y	
591283	10/21	To Norf	Fwds allow list Ya To Co- Fwds ce allow 10/21 Norf- Allowance list recd. 12/20 Y	
596349	11/14	CO	Request pages of allowance books be fwded. Y To C° 6 Fwds allow book 11/19	

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[OVER.]

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BUSHNELL: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
243612	8/16	To CO	Fwds allow for revision. R	
		To- Fwds two copies of 1918 edition. to supersede previous	1-To--Reqt reply. 10/5 4-5 CO - 10/9 CO - allowance book forwarded 11/9 RA To Phil- wds copies (2) 1917 edition. 11-27 To CO- ditto ditto 11-27 Wash Post Office - allowance - request affidavit be signed 3/29	
245445	8/21	CO	Request battle lanterns be added to allowance list R To--Appvs reqt.8/28	
248264	9/11	To CO	Fwds allow. L CO - fwds allowance 11/8 RA To-Returns corrected elec lists. 11-15	
132256	11-9	BUSHNELL	BUSHNELL fwds cards covering material on hand for submarines.	689
267453	12-17	To CO & TONOPAH 21	Changes material:- Y	
267454	12-17	To CO & BUSHNELL	Changes in material:- Gives directions..Y To-Directs report all changes in material promptly to bureau. 1-12	438-21
243612	4/5	To Postmaster Washn	Complaint concerning registered article. Application for Indemnity Returns. Are returning additional copies of allowances.	515-2

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
316568	6/15	To S&A	Rqst shipmt destoyer material from Chasn to Bushnell. D	514-21
338157			NY - 8/22	
378191	12-21	To CO	Fwds one blank type "B" elec list for revision of. Lr	
	2;28	CL	To CO- Mention of BLACK in your letter was in error. 3-8	
To	CO- Fwds	blank elec allow .5-23	To CO- Reqts reply to 12-21. 4-23-19	
			CO req. allowance list be fwded. 5;10	
316568	6/15	TO S&A	Requ shpt destrgyer matrk from Chasn to Bushnell	
			To S&A Requ ship destrlyer matrl from NY to Bushnell 2/16	514-21
398770	2;27	CO	Reqst. ammend radio allowance to includd 1 two-step amplifier and bulbs W&Y	
400026	3/1	CO	Request drill chuck be added to allowance -Y	
			To- Lists amendments to allow lists. 3-8	
416463	5/2	CO	Request increase in money allotment - Y	
	Fwd S&A.	5-8		

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[OVER.]

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BUSHNELL: ALLOWANCES.

1915

Number.	Date.	From or To—	Subject.	
164131	8-18	Seattle	Allowance; blanks called for; reqt.R To - fwds. blanks 8-24	
169824	10/22	CO	Reqt fan allowance be increased.L To Seattle--Changes in. 11/2	
169926	10-26	Seattle	Recommends change in grinding wheels.R To-- Changes in. 11/12 RB 11/23	
172890	11-29	CO	Recommends inc in allowance. R Retd--Additions to. 12/6	
			1916	
175762	1-4	Bd on Changes Seattle	Spares for pumps; est inc cost.N To--Fwds appvd 1/11	
175960	12/31	S&A	L Subs: BUSHNELL request allowance lists of boats to be assigned here care; Operations names and gives fitting out yards of	514-21
178950	2-4	CO	Reqt inc in money allotment. R To--Appvs with comment. 2/15 To S&A-- Recommendation re equipment to be furnished vessels when commissioned. 2/15	
180937	3-8	To CO.	Additions to allowance. R	

NB—0120

N.S.E. Form 134.

BUSHNELL: ALLOWANCES. 515-21

Number.	Date.	From or To—	Subject.	
185790	4-24	CO	Request addition of spares for motor boats to allowance.R To--Submit in-excess reqn for. 4/27	
210025	12-26	CO	Reqt inc money allotment. R Fwd CI via Sub Flot--Reqt more infor. 1/6 RB 1-31 Fwd S&A--2/2	
221785	4/10	To Div 5 Atl Sub	Reqt list of spare parts which have not been received, for, and submarines. R CO Fwds copies of requisition for spare parts/ Material received 2/20 R Fwd S&A--4/24 RB 4-26	
232278	6/6	CO	Request addition of 12 electric fans to allowance list R To CO--Gives cha ges to be made in allow.6/11	
235806	6/26	CO	Request money allotmentR Fwd S&A--6/30	

NB—0120

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1914

BUSHNELL: ALLOWANCES.

Number.	Date.	From or To—		Subject.	
141201	11-30	Seattle	1616	Reqt list marked with items to be supplied by contractors. R To--Instructions. 12/11 Seattle submits list showing proposed 1-26 To-- Returns list; appvd. 3/6	
143010	12-21	Seattle		Recommends spares for mach tool motors	515-18
			1915		
147786	2-15	Pug.Sd		Reqt allowance list.R	
149145	3-4	Seattle	1838	Reqt latest copy of allowance; elec.R	
149305	3-2 3-6	Pug.Sd Seattle		Proposed; fwds. R. To Seattle-- Returns appvd. 3/18	
150154	3-15	Seattle		Reqt list of testing apparatus be revied. E To--Directs be amended to provide. 3/26	
151347	3-24 3-28	Pug.Sd Seattle		Relative to supplying fans, lanterns, searchlight, and spares by contractor. R To Seattle--Instructions. 4/14	
152062	4-6	Pug.Sd		List contains items of dry and navy reserve cells; asks re furnishing. LR Fwd Seattle--Asks number of dry cells installed on. 4/16 RB 4/28 To Seattle--Directs omission of. 5/1	

NB—0120

N.S.E. Form 134.

BUSHNELL: ALLOWANCES. 515-21

Number.	Date.	From or To—	Subject.
152834	4-16	Seattle 1943	Recommnds additional spares for air compressors, forced draft blowers,etc.R To-- Add to. 4/27
154158	5-1	Seattle 1972	Elec allowance; contractors take certain exceptions. LR To--Appvs changes. 5/18
154508	5-4	Seattle	Allowance Rect list of spare parts for portable safety lanterns; submits list.R To--Appvs. 5/14
158943	6-19	Seattle	Copy of letter to Pug.Sd re allowance To-- Changes in. 7/3 To-- Changes in. 7/6
159224	6-24	Seattle	Allowance list; recommends additional R To-- Appvs changes in. 7/2
159203	6-24	Seattle 2075	Proposed changes in elec. R To-- Appvs changes in. 7/2
160237	7/1	Seattle	Recommends addition to allowances.R To--Additions to. 7/21
161419	7-16	Seatt,e	Change in allowance; est inc cost.DC To-- Change appvd. 7/27 To Bd Changes, Seattle. 7/27
161420	7-17	Seattle	Reqt additions to. R To-- Addtions to. 7/26 RB 9/1
162959	7/23 7/29	CO S&A	Money allotment.R Fwd Ord 8-12

NB—0120

[OVER.]

BUSHNELL: WHISTLES.

1914

Number.	Date.	From or To—		Subject.	
125662	5/20	Seattle	865	Gives description of the Lunkenheimer type.D TO -- appvd 5-26	
128183	6/18	Seattle	978	Whistle; fwds plan.D To---appd.7/2.	
130263	6-14	Seattle	1080	Whistle; fwds plans.D To---appd.7/24.	
130769	7-20	Seattle	1097	Siren; fwds cut. D To---appd.7/28.	
143312	12-23	Seattle	1707	Elec operated whistle; plan.D To--Appvs. 1/18	

N. S. E. Form 134.

1914

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

BUSHNELL: AIR COMPRESSORS; 1921

Number.	Date.	From or To—	Subject.
544228	2;1	C&R	Auth necessary work in connection with instaln of Ingersoll Rand Steam driven air compressor.D
544788	2;4	Norf copy	Installation of air compressor on requires extension of completion date to April 1.D&Y
575333	7;12	CO 9	Ingersol Rand air compressors-ask if use of cylinder oil in steam cylinders will be authorized.D
575336	7/20	To CO BUSHNELL	Cylinder lubrication for Compound Air Compressor disconnected. Dt

N. Eng. 134

Number.	Date.	From or To—	Subject.	

BUSHNELL: AIR COMPRESSOR

1913

Number.	Date.	From or To—		Subject.	
111117	11-19	Seattle	342	Westinghouse steam driven; print.D To---appd.12/3	
125087	5/11 5/16	Seattle Ord.		Torpedo air cpmpressors; request wiring diagram.L Fwd Ord.Bu has no prints.5/20.	
				1914	
138939	10-26	Seattle	1480	Accumulator for air compressor plant; fwds plan. Not recd. D. To-- Plan not rec'd. 11/16 Seattle fwd plans 11-20 To-- Appvs with modi. 12/12	
140288	11-18	Seattle	1580	Aircompressor system; plan.D To--Appvs subject to appvl of details. 12/5	
				1916	
186460	4-25	Seattle		Westinghouse air compressor; fwds tracing.DR	
			1919		
432044	7-8	CO		Rqst 2 addtl Westinghouse air compressors be installed. To T.M. Norf- Auth two air compressors.7-14 copy to CO.	D

NB—0120

N.S.E. Form 134.

515-23:BUSHNELL: AIR COMPRESSOR:

Number.	Date.	From or To—	Subject.
439355	8;11	CO	Recommends present elec compressors be replaced with steam driven compressor.D
463757	12;16	Dept	Installation of steam driven heavy duty air compressor on authorized.A
			-1920-
471509	1/23	Norf	Installation of 2 additional air compressors - fwds prints - D To IM Norf acknow receipt 2/4
493202	5;12 Fwd S&A. 8-2 S&A-copy of action to N London Sub Base-8;5- S&A-copy of action to CO AA-1 stating air compressor cylinder heads shipped to N London-8;12 cross to 586-23 S&A-asks point to which reshipment should be made-9:10-Y CO T-1second stage engine air compressor cylinder heads recd-12;21-Y	Boston T	Request express shipment of air compressors for replacement on.Y Boston-5;12 To Phila (T) reqst whether second stage cylinder heads for SUB. are completed available for shipment. 5-13. Phila (T) cylinder heads available for shipment - Y - 5/13 To S&A. Reqst shipment of cylinder from Phila to NL 2880 Y. To CO AA1 Adv if mat recd 7-27 cross to RB-7;31-
493902	5-18	To Bost.	Bu. reqst shipmt cylinder heads from Phila do not ship cylinder complete Y. To CO Ask if mat recd cc N1 12-16
536138	12;20	Insp r Pitts	Copy of letter to Ingersol Rand Co auth shipment of last air compressor.S
543457 Dept-copy of action to Norf-2;5	1;27	Norf	Instalp of steam driven air compressor-submits estimates.D To IM Norf est appvd with modns 1/31/21 cc ordn-C&R

NB—0120.

[OVER.]

BUSHNELL: GAGES. 1915

Number.	Date.	From or To—	Subject.	
152105	?	Bd on Changes, Seattle	Fuel oil meter; inc cost.D Fwd Dept-- Rec appvl of 4/13 RB appd 4/17 To Seattle-- Fwds copy of appvd, 4/19	
195081	7/29	5th Div, Atl Sub Flo	Request authority to transfer indicators from the FULTON.Y	
		1922		
649646	11/9 11/8	CO Sub Div 4	R sts install contomator on 300 generators. LD To CO- Gives action taken 12/7	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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BUSHNELL: GAGES: 1914

Number.	Date.	From or To—		Subject.
115361	1-13	Seattle		Torsionmeter; reqt. permission to bore 4" axial hole in line shafting for fitting Gary Cummings. D (T)to---appd.1/19
123376	4/17	Seattle	756	Fwds prints and details of Gary-Cummings torsion meter.D To---appd.5/4.
123463	4-22	Seattle		Thermometers; reqt authority to substitute mercurial for dial. D To---appd.4/28.
124677	5-7	Seattle	819	Oil meter; Worthington type for measuring fuel oil; fwds print.D To---appd with comment.5/16.
125663	5/20	Seattle	863	Engine indicators, mechanical; proposes Ashcroft Co's Tabor; lists spares.D TO -- appvd 5-26
128855	6-26	Seattle		Est inc cost for installing oil meter.D Fwd Dept.reqst appr.7/6. RB 7 14 appd To---appd--To Bd. 7/15.
129046	6-27	Seattle	1009	Marine clock; fwds copy of specns and order.D To---appd.7/11.
133774	8-31	Seattle	1233	Pressure gages; submits list.D TO -- appvd 9-9

NB—0120

N.S.E. Form 134.

BUSHNELL: GAGES. 515-24

Number.	Date.	From or To—		Subject.
136633	10-6	Seattle	1375	Asks what type of oil meter was approved.D To-- Appvd with comment· 10/15
138697	11-4	Brook		Thermometers and fittings; reports shipment without inspection by Schaeffer & Budenburg.S
140283	11-16	Seattle	1572	Oil meters; fwds plans.D To-- Appvd· 12/5
142372	12-10	Seattle	1630	Driving gear; medhanical for shaft revolution indicator.D To--Appvs with comment· 12/28
142709	12-16	Seattle	1675	Torsionmeter; bracket for card holders; plan.D To-- Appvs· 1/5
			1915	
147809	2-13	Seattle	1821	Engine room gage board; fwds plan.D To-- Appvs with modi. 3/5
150138	3-15	Seattle		Revolution counter to be fitted by Falk Co; asks if location approved.DH To--Instructions· 3/22
151735	4-3	Seattle	1903	Revolution counter; asks permission to omit. DR To-- Appvs· 4/9

NB—0120

[OVER.]

BUSHNELL RECORD OF WORK 1922

Number.	Date.	From or To—	Subject.	
624497	12/22/21	Norfolk	12/30/21 to 4/18/21 Y	
626267	5/25	Norfolk	7/31/20 to 10/25/20 Y	
633088	7/17	New Lond Sub Base	Quarter ending 6/30. Y	
633986	7/1	CO	Quarter ending 6/30 Y	
649747	11/1	CO	Quarter ending 9/30 Y	

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Number.	Date.	From or To—	Subject.	

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BUSHNELL: RECORD OF WORK

1916

Number.	Date.	From or To—	Subject.
177866	1-25	Pug.Sd	Nov 20 to Jan 5. Y
245105	--	CO	Quarter ending June 30th Y
			1917
253657	10/7	Phila	May 11th to Oct 7th Y
256601	10/22	Bost	Sept 6/16 to Oct 27/16 Y
261837	11/18	Phila	11/7 to 11/18 - Y
			1918
289824	3/12	Phila	11/7 to 11/18/17 - Y To- Reqts Report on cost of repairs. 3-18 Phila - 4-6 Phila - relative to cost of repairs to M & T engine - 4/15 - Y

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N.S.E. Form 134.

515 - 25 BUSHNELL : RECORD OF WORK 1918

Number.	Date.	From or To—	Subject.	
332664	7-31	Boston	Feb 22nd, 1916 to May 24, 1916. Y	
346883	8-1	USS MELVILLE	Work done during July -	
402620	3;11	Phila	2;3;19 to 3;11;19 Y	
			1920	
468146	1;8	Norf	12-18-16 to 1-3-20.Y	
			1921	
551049	3;11	Norf	7;31;20 to 10;25;20.Y	
		1922		
611244	2/23	Norf.	11/30/21 to 1/10/22 Y	
621514	4/1	CO	Quarter ending 3/31. Y	

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BUSHNELL SURVEYS 1922

Number.	Date.	From or To—	Subject.	
649454	8/4	21	Furnace Y	
650896	11/4	49	Burning torch Y	
650897	11/4	51	Starter-motor Y	

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BUSHNELL SURVEYS 1922 3

Number.	Date.	From or To—		Subject.
604271	1/6	Norfolk	21	Paragon clut hes Y
617099	3/25	BUSHNELL	22-22	Transformer Y
632194	4/14	Bushness	27-22	Propeller Y
633352	7/1	Bushnell	28-22	Lanterns Y
635677	7/27	5th Dist	18	Gauge, propeller Y
638897	8/22	5th Dist	11	Generator, Starter, Sound Y
643318	9/28	Norf	41	Cylinders Subs lathe Magneto Y Fwds S&A 10/27

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Number.	Date.	From or To—		Subject.	
546757	2/14	Norf	28	Lubricators, Headers Y	
546756	2/14	Norf	31	Compressor Y	
551022	3/10	Norf	34	Ventilating set, Motor drill, Batteries	Y
551966	3/16	Norf	35	Storage battery Y	
554234	3/28	Norf	38	Cylinder, Piston Y	
554232	3/28	Norf	36	Tool, Engine, Valve Y	
554233	3/28	Norf	36-A	Main engine Y	
554687	3/30	Norf	39	Tubes Y	
555553	3/31p	Norf	38	Gasoline torch Y	
556636	4/8	Ind Mgr	40	Clutch Y	
557806	4/1	Ind Mgr	41	Cylinder, Piston Y	
566269	3/28	CO	43/21	Motion picture machine Y	

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N.S.E. Form 134.

BUSHNELL: SURVEYS

Number.	Date.	From or To—		Subject.	
585852	9/13	C. O.	47/21	Dynamotors, telephone, etc. Y.	
599716	12/8	Norf	8	Gear cutters, Magneto Y	
599715	12/8	Norf	9	Welding torch Y	
600067	12/12	Norf	10	Torches Y	
601422	12/15	Norf	13	Thermometers Y	
601421	12/15	Norf	11	Distributor Y	
601567	12/16	Norf	15	Shaft Y	
601773	12/15	Norf	12	Tubes Y	
601772	12/22	Norf	18	Drill, Hammer Y	
601770	12/22	Norf	14	Taps and dies Y	
602359	12/27	Norf	17	Milling saw Y	
602360	12/27	Norf	19	Milling cutter, Vise Y	
603264	1/4	Norf	20	Milling cutter Y	

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BUSHNELL: SURVEYS: 1

1919

Number.	Date.	From or To—		Subject.	
468154	12;12	CO	4-20	Armature slings.Y	
512344	8;17	Norf	3	Carburetor.Y	
512343	8;17	Norf	2	Taps and Dies.Y	
514053	8-25	Norf	4	Lathe chucks; Y taps & dies; Y	
515263	8;20	CO	7	Klaxon horn bracket fan batteries etc.Y	
518513	8/21	CO	1-21	Hose, Y Fwd C&R. 9-24	
519107	9/23	Norf.	8	Armatures Y Fwd 1L Norf via S&A. 10-4	
519104	9/24	Norf.	14	chuck drill Y	
522766	10;6	CO DOWNES	6-1921	Coils, mirror,decremeter,and hydrogen detectors.Y Fwd Navign 10-19 RB-11;23-Y	
522767	10;6	CO DOWNES	6-1921	ditto.Y	
523175	10;13	Norf	15	Various items.Y	
543578	1/17	Norf	28/21	Lubricators, Headers Y	

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N.S.E. Form 134.

515-27: BUSHNELL SURVEYS:

Number.	Date.	From or To—		Subject.
523610	10;16	Norf	16	Bosch magneto.Y
524443	10;16	Norf	16	Bosch magneto.Y
524418	10;19	Norf	16	Cylinder and connecting rod.Y
526806	10/30	Norf	16	Thermometers, Blocks- Y
526895	6/4	Bushnell	10-'20	Thermometers - Y
527919	11;5	Norf	21	Working cylinder Y
537195	12-27	Norf.	12/14	Thermometers
537813	12/29	Norf	25	Iron, Y
539578	1/8	Norf	20	Propeller Y
539576	1/8	Norf	23	Coils Y
543557	1/28	Norf	30	Switch Y
543561	1/28	Norf	29	Motor generator Y

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CALIFORNIA: Specfns. 1916

Number.	Date.	From or To—	Subject.
184777	4-15	To Yards-Inspcs-C&R. Gen Insp-Nav Acad.	43 & 44; specfns for electric plant; fwds.D C&R one copy returned
186953	4-29	M.Is	Request advance copies of machy specns.D To--Not yet rec'd from printer. 5/9 To--Fwds specfns. 6/20 To-- Fwds specfns. 8/3
195303	8-3	To Pitts.	Fwds machinery specifications. D To--Fwds specfns to GE who will fwd you TENNESSEE'S specfns which were sent him by mistake. 8/7 Pitts specifications sent to GE Co; contrs request nine copies of TENNESSEE's 8/9
199030	9-13	To Yards-Incps-Etc.	Fwds specfns for machinery & elec plant.D To GE—Ask when receipt will be fwded. 7//12
534935 8	12;14	Bd I&S	Request machy specns.D To Bd I&S Fwds cc specens 12-16

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
624688	FROM CARD 19		CO 8/2 L To ug Snd- grants authority 8/12 C O Copy action to ? D. 7/24	
639205	8/26	To Comdt M.I. Joint	$800 allotted under appro "Increase Navy" 604-23 for work on CALIFORNIA. Docking oils will be handled by Bus without allot. C	
643870	10/2	Inspr GE	Fwds contractors invoices & affidavits covg final payments. K Fwds Disbursing office 11/4	

N. Eng. 134
592-2

Number.	Date.	From or To—	Subject.	
647980	10/24 11/1	GE Co Disbursing Office	Request check covg 20% installment on KD Fwds Disbursing office 11/7	
648840	11/8	CO T	Gives reasons why vessel is not available for final trial at the present time	D
650387	11/20	Board I&S	Will hold final trial on T-2 November 27	D

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[OVER.]

CALIFORNIA TRIALS PAYMENTS 1922

Number.	Date.	From or To—	Subject.
621709,	5/2	C&R	Fwds report of board on preliminary trial. D To nspr machy GE Fwds cc of report 5/11
622310	5/6	C&R	Copy of letter to Ordnance calling attention to certain items of work incident to report of official trial D
622326	5/6	C&R	Calls attention to various items of work incident to report on official trial D To C&R- ~~Give~~ Reqsts comments 5/17 C&R 5/17 Ask if will authorize work on TENNESSEE similar to that authorized on CALIFORNIA Y To C&R instln satisfy 5/24 cross 9 To Pug Snd-- work authd cc CO- C&R 5/25
OVER	C&R 5/25 Copy of actn to Pug Sd LD		
622725	5/9	Pacf.Fleet Copy	Request action on Trial Board report. D.

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N. Eng. 134

CALIFORNIA TRIALS PAYMENTS ETC 1922

Number.	Date.	From or To—	Subject.
622940	5/11	Ordn.	Copy of letter to Dept giving action on various items on report of preliminary standardizations trials. D.
624151	5/17	C&R	Fwds report of board on gun trials. DL
624688	5/20	nBd I&S	Fwds depts comments on preliminary and standardization trials. D.
TO CARD 20			Pug Sd. (T) Request action on item 7 preliminary trial report. 7/8 A
			Pug. Sd. (T) Request action on report of preliminary trial 7/12. D.
			To Pug Snd- purchase of phones not desired cc CO 7/17
622326	FROM OVER	To Pug Snd instln authd cc CO 7/17	C&R Copy action to Pug. Sd. 6/2 D
			C&R 7/28 Copy action to Pug. Sd. D
			C&R- Fwds estimate from Pug Sd. 8/14 D
			Fwds C&R 9/15

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CALIFORNIA TRIALS PAYMENTS ETC 1922

Number.	Date.	From or To—	Subject.	
617273	4/6	Bd I&S	Fwds synopsis of machry and hull data.	D.
617288	4/6	Memo for Aide to Chief of Navign	Requests that listed telegram be sent to R F Monges, GE Co-	
618197	?	BD I&S	Subm report on preliminary trial held 12/5 to 9, 1921. D. To MI Gives Action cc CO- Bd I&S 5/17 Pac Fleet 5/27 D To C-I-C Pacific Fleet- alterations authd cc Squad 4 Pac Fleet- CO's CALIFORNIA NEW MEXICO MARYLAND Pug Snd- NY - C&R cross 394 714 (power for steering engine from engine room excitation circuit 6/9	
618211	4/13	To MI		
619567	3/30 4/19	Bd I&S Dept	Subm comments on preliminary and standardization trials. D. Fwds Operns 4/26	

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N. Eng. 134
592-2

Number.	Date.	From or To—	Subject.	
619679	4/18	JAG	Submits report of board on preliminary trial D Fwds C&R 5/9	
619589	4/22	To MI Joint	Change in Endurance Test of Ventilation Sets D	
620920	4/22	Pac Fleet	Request copy of Dept's action on preliminary trial Board's report D	
621330	4/22 5/1	Pac Fleet Dept	Request copy of action on report of preliminary trial D Fwds Navign 5/4	

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CALIFORNIA TRIALS PAYMENT ETC 1922

Number.	Date.	From or To—	Subject.
605189	1/13	MI	Fwds reports of construction of vessels listed. D.
605190		fwded from card 16	To MI Instln of relay oil pumps and tank and changes in lubricating oil drain lines in motor rooms appvd D 1/24

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N. Eng. 134

CALIFORNIA TRIALS PAYMENTS ETC 1922

Number.	Date.	From or To—	Subject.	
606909	1/28	Disbursing Office	Fwds invoice and public bill in favor of GE Co. for certification. K Fwds Dept 6/3 Kc	
607721	2/1	Inspr GE	Contractors ask date of preliminary acceptance of vessel. D. To Insp Machy GE Reqst report on trials 2/6 Inspr GE- Request reply to letter of 2/1. To--Reply made 2/6. 2/18	? D
608599	2/2	MI	Fwds progress reports, vessels building.	D.
615241	3/20	MI	Instln of additional shaft revolution indicator in main pperating room- estimate of increased cost. D. To MI Estimate appvd 4/6	
615668	3/23	M.I.	Fwds synopsis of machy & hull data To I&S-Fwds inform for Board 4/3 Dn	

4—3351

[OVER.]

Number.	Date.	From or To—		Subject.	
598331	12/1	12th Dist.	Copy	Will hold engineering trials beginning 12/5 at San Pedro. D.	
598561	12/3	MI	Copy	Progress report, vessels building. D.	
598646	12/3	CO	Copy	Vessel left for San Pedro with trial board on Board. D.	
553297	4;19	Dept	(Sec Sig)	Copy of action to Senator Page submitting draft for inclusion in appropriation bill to increase limits of cost on battleships 44 to 48 incl, DOBBIN & HOLLAND and S-14 to 17.	46-B-2
553297	8;2	Dept	(Sec Sig)	Copy of action to Congressman Butler giving reasons for continuing work on CALIFORNIA & MARYLAND at excessive cost over appropriation.	46-B-2
599752	12/9	CO	Copy	Trial completed satisfly. D.	

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N. Eng. 134

CALIFORNIA TRIALS PAYMENTS ETC 1921

Number.	Date.	From or To—	Subject.	
600198	12/13	Frisco Copy	Report on speed trials conducted, with comments on displacements. D.	
600168	12/7	MI	Ask what part of total freight charges is chargeable to engineering. D. Fwd S&A 12/15 RB 1/ 9 D. Fwd M IS-1;13-Dn	
600192	12/8	MI	Fwds reports on new construction. D.	
602576	12/31	MI (T)	Progress report, vessels building. D	
603 039	1/3	MI (T)	Progress report, vessels building. D.	
605190	1/13	MI	Instln of relay oil pumps and tank and changes in lubricating oil drain lines in motor rooms- estimate of increased cost. D	
	card 17			
604236	1/11/22	Inspr GE Union	Finished machry plans have not been [illegible] fro 592-9 [illegible] recom no further payments be made to GE CO. until plans for CALDWELL etc have recd and accepted D	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
593728	10;31	M IS copy	Progress report vessels building.D
593789	11;1	M IS T	~~Progress report vessels building.D~~
594363	10;31	M IS	Fwds summary of cost job order in connection with work on main propelling machy chargeable tp GE Co.D
	TO M IS-contrs state are willing to have total amount deducted-1;13-Dn	To Inspr GE Reqst inform 11/19 Inspr GE 1/6 D	
594438	11;4	Frisco copy	Final tentative date of gun trials Nov 14 engineering trials Dec 5th.D
595146	11/9	N.Y.	Arrpagement of wiring in engine motor and control rooms- fwds prints. L
595231	11/9	MI (T)	Request orders be issued to Lt.C.W.Colby and J.H. Cain temporary duty in conn with trials. D.
595568	11/4	Mare Isl.	Fwds reports on new constructions. D.

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N. Eng. 134

CALIFORNIA TRIALS PAYMENTS ETC 1921

Number.	Date.	From or To—	Subject.	
597140	11/22	B&W Co.	Request auth to have Co's experts on board during trials of fuel oil burning apprs. D Fwd Navign 11/28 Dept- Copy of letter to B& W Co. stating trials will commence 12/5. 11/30 D.	
597262	11/19 11/23 VOID	Bd I&S Dept VOID 595-2	T-2 Inadviseable to run vessel more than 18 knots - excessive vibration at 20 knots. D.	
597541	11/26	Westinghouse E/M Co.	Request permission for J.H.Hind to attend trial. D. Fwd Navign 11/26 Dept- Copy of letter to Westinghouse E/M Co stating trials will commence 12/5. 11/30 D	
597827	11/29	Westinghouse E/M Co.	Request permission for G. F. Frazier and J. C. Foster to be present during trials. D. Fwd Navign 11/29 Dept- Copy of letter to Westinghouse E/M Co. stating trials will commence 12/5 11/30 D	
598149	11/30	MI (T)	Progress report, vessels building. D.	

4—3381

[OVER.]

592-2 1921

CALIFORNIA: TRIALS PAYMENTS:ETC:

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Number.	Date.	From or To—		Subject.
589239	10;7	~~Insp~~ GE Co		Reqt official trials of CALIFORNIA be postponed until trials of MARYLAND have been completed-Company has only one set of trial experts.D
				To bd Insp U& Survey- Submits recomdn 10/11
589299	10;7	Dept		Copy of telegram to Bd I&S Pac Coast stating not practicable to hold tests and trials prior to Nov 15th.D
589330	10;1	M IS		Report showing condition of work on Sept 30th.D
590134	10;12	Pac Flt	copy	Vessel will arrive San Francisco Nov 5th for docking preparatory to trials.D
590238	10;12	Pac Flt	copy	Vessel will arrive at Frisco Nov 5th for docking preparatory to trials.D&Y
589792	10/13	To S&A	8988	Reqst shipmt of searchlights from MI to SO L
590513	10/14	Dept		Copy of telegram to Pacf. Fleet giving instrns rel to trials of D.
591085	10;17	Pac Flt	copy	Vessel will proceed with firing test.D

4—3381

N. Eng. 134

592-2:CALIFORNIA: TRIALS PAYMENTS:ETCL 1921

Number.	Date.	From or To—	Subject.	
591110	10;18	C&R	Copy of letter to M IS making vessel available at Frisco about Nov 5th for docking preparatory to trials.D	
586913	9/20	Inspr GE	Fwds contrs revised water rates for main turbines D	592-9
526285	10	SEE CARD 10	To Bd I&S- Pac Coast Sec- of 10/22 DD Trials- modification	

4—3381

[OVER.]

CALIFORNIA TRIALS PAYMENTS ETC 1921

Number.	Date.	From or To—		Subject.
578511	8/1	MI		Report showing condition of work on 7/31 D.
578579	8;1	M IS	copy	Will place vessel in commission Aug 10.D
578800	8;2	M IS	~~copy~~	~~Progress report vessels building.D~~
580117	8/10	MI	(T)	Vessel commissioned. D.
580634	8;8	M IS		Fwds monthly reports on vessels building.D
581759	8;20	Bd I&S		Trials-reqt corres.D
582116	8;22	SOL		Copy of precept to Trial Board.D
582250	8;23	M IS	T	Dry dock and flooded.D
				M IS-reports on docking and work to be done-8;18-D
582893	8;26	Inspr GE		Fwds contrs claim for inc compensation for propelling machy-D&K cross to D&K Fwd Dept cc Inspr GE 9/3 RB-9;30-D

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4—3381

N. Eng. 134

592-2:CALIFORNIA: TRIALS PAYMENTSETC: 192

Number.	Date.	From or To—		Subject.	
583688	9;1	M IS	copy	Progress report.D	
584931	9;1	M IS		Monthly report.D	
584551	9/8	Comdr W.A.Snead	T	CALIFORNIA report on two hour trial. alterations in lubricating system necessary	Chief
584590	9/8	Operations		CALIFORNIA directs report Commander-in-Chief as flag Ship D	
585820	9/8	MI		Trials- water rated- new instruments available at uard for determining. D. To MI Calorimeters for Final acceptance trials 9/20	
588512	10;3	M IS	two Tel.	Progress eports vessels building.D	
588916	10;5	Pac Flt	copy	Recommends test and trials be advanced to November 1st.D	

4—3381

[OVER.]

CALIFORNIA: TRIALS PAYMENTS AND ETC: 1921

Number.	Date.	From or To—	Subject.	
549986	3;1	M IS	Report showing condition of work on Feb 28th.	
554871	3;4;1	M IS T	Progress report vessels building.D	
555324	4;1	M IS	Report showing condition of work on Mar 31.D	
525667		SEE CARD 10	To Bd I&S Fwds print -trial outfit-arrangement of water measuring app for comment-Reqst action D M IS-T-reqt approval of plan of trial outfit-4;11-D To MI (T) Appd 4/12 To MI Plan appvd assgd file 4/13	4-6-RB-4;8
555432	4/12	Naval Academy	Fwds request of Lt. Com J.R.Redman for duty on board CALIFORNIA as electrical officer. F	632
563223	5;1	M IS	Report showing condition of work on Apr 30.D	

4—3381

N.S.E. Form 134.

592-2:CALIFORNIA: TRIALS PAYMENTS:ETC:

Number.	Date.	From or To—		Subject.	
566837	5;31	M IS	T	Progress report.D	
567155	6;1	M IS		Report showing condition of work on May 31st.D	
567646	6/3	MI	Copy	Progress report of vessels building. D.	
569369	6;7	M IS		Fwds reports on construction of CALIFORNIA MONTANA & DESTROYERS.D	
573157	7;1	M IS	copy	Progress report vessels building.D	
573660	7;6	M IS	copy	Progress report vessels building.D	
573673	7;1	M IS		Report showing condition of machy on June 30.D	
575545	7/20	To Comdt MI		Prelim trial instructions. Dn	
		Eug.Sd- (T) Counters can be removed from Pyro for trials of CALIFORNIA 8/10 D		M IS(T) have no provisions for measuring fuel oil on trials-7:28-D	
		To Comdt MI- Rgsts counters be shipt to MI 8/13 Dn cc Co PYRO		To Insp Machry Todd Dry Dock and Constr Corp Tacoma- T Were 4 Smith-Cummings counters obtained for use on S C. If So ship to MI for trials 7/30 Dn	
				To Comdt M.Island 7/30	
				To Insp Machry- San Fran- T Ship two Smith-Cummings counters to MI for trials CALIFORNIA 8/6 Dn	
				To Navy Yd PS T Ship two Smith-Cummings counters to MI for trials CALIFORNIA Dn 8/6	

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[OVER.]

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CALIFORNIA: TRIALS PAYMENTS AND ETC.

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Number.	Date.	From or To—	Subject.
531107	11;16	M IS	Necessary to assign priority to work on vessel if completion is to be expedited.A&D
531951	11;30	M IS T	Progress report vessels building.D
532430	12;2	M IS copy	Progress report vessels building.D
532710	11;26 12;2	Inspr GE NY	Contrs request payment of 18th installment.D&K To Inspr GE. Gives instrms 12-6 Fwd MI 12-6 RB 12-23 To Dosb Of Fwds G B Bill 1-3/21
532870	12;1	M IS	Report showing condition of work on Nov.30.D
533717	12-18	To C&R	Reservations in rel settlement D.
537681	12/30	Mare Island Copy	Progress report of vessels building. D.
537787	12;29	M IS	Fwds public bill covering tracing cloth.K Fwd MI 1/5/21
537806	12;31	M IS	Report showing condition of work on Dec 31st.D

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N. Eng. 134

592-2: CALIFORNIA: TRIALS PAYMENTS: ETC:

Number.	Date.	From or To—	Subject.	
511486	8;12	SOL	Fwds copy of Dept's order appointing Bd to hold preliminary trial.D	
543313	1;31	M IS T	Progress report vessels building.D	
544342	2;1	M IS	~~Report showing condition of work on Jan 31st.D~~	
546792	2;15	M IS copy	~~Submits detailed report on expenditures on~~ to Jan 23.D	
470786	2;11	M IS	Fwds prints showing weights of elec plant m.t.	59255
548618				
Dept-copy of telegram to M IS directing continue work and expedite completion-3;12-D				
M IS-T-reqt instrns re work on-ask if employees shall be discharged or furloughed-3;14-D			Fwd Dept JOINT re Est of funds neccy to complete C M I 2/28	
Fwd C&R 3/19			Fwd Dept JOINT 3/11 R 3/17	
549426	3;1	M IS T	Progress report vessels building.D	
549435	2;26	Dept	Reqt estimate as to date of completion and probable readiness to place in service.D	
	3;2	C&R	C&R-fwds corres-3;2-D	
Navgn-copy of action to Dept-3;21-D			Fwd perns via rdn navign 3/7	
			Fwd Navign via rdn 3/7	

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[OVER.]

CALIFORNIA: TRIALS AND PAYMENTS:ETC:

Number.	Date.	From or To—	Subject.
502710	7;1	M IS T	Progress report vessels building.D
503085	7;1	M IS	Report showing condition of work on June 30.D
510464 5	8;3	M IS	Fwds monthly report also for MONTANA and destroyers 136 and 336 clas.D
511486	8;12	SOL	Fwds copy of Dept's order appointing Bd to hold preliminary trial.D
512413	8;13	M IS See Over M IS-comments on-9;25-LW&D Fwd IM NY 10-4 RB-10;13-L To M.I. Gives inform 10-4 NY-10-11-L To IM NY Gives comment 10-14	Calls attention to matters which now or may in future interfere with completion of vessel DL&W Fwd NY 8/24 RB-9;9-L To M.I. commentx 8/24 To Navign Advises has fur ind mgr with plan of gyro compass system 8-27
512843	8/9	M Is.	Report showing condition of work 7;31. D
514701	8;31	M IS	CALIFORNIA & other vessels building at yard-percentage of completion.D
515719	9;1	M IS	Progress report.D
520429	10;1	M IS copy	(2 telegrams) progress report vessel building.D

N.S.E. Form 134.

592-2:CALIFORNIA: TRIALS AND PAYMENTS:ETC:

Number.	Date.	From or To—	Subject.
521089	10;1	M IS	Report showing condition of machy on 9/30.D
512413	10-16	SEE CARD OTHER SIDE	To MI instln of w re impossible under existing conditions to transfer draftsmen L
525667	10;20	M IS	Arrangement and details of pipe for measuring wa feed water on trial trip-fwds prints.D
M IS-T-capacity of pumps proposed by Bu greatly exceed requirements-not sufficient space for assemblying-1;8 cross to 19			Fwd Bd I&S 10-29
			M IS-request action-12;7-D
To MI Bd I&S 1/22/21		Plans be subm cc	To MI Plan apprvd with comment cc Bd I&S 12-21
			M IS-fwds prints showinf arrangement of piping-3;25
526285	10;26	Bd I&S	Recommends vessel be subjected to full trials together with standardization.D
CARD 14	10;29	C&R	Two operations vig Orch 11/2
Pacf board I&S- Rqst further info rel to trials. 10/12 D			Dept-copy of action to Bd I&S-11;17-B&D
To Bd I&S Gives list of trials desired cc C&R- MI-CO 10/21			Fwd Bd I&S 9/6
526570	10;30	M IS copy	Progress report vessels building.D
527843	11/1	M Is	Report showing condition of work on 10/30 D

N.S.E. Form 134.

CALIFORNIA: TRIALS, PAYMENTS, ETC.

Number.	Date.	From or To—	Subject.
461517	12-1	Mare Isl	Report showing condition of work on 11-29. D
464868	12;22	M IS T	Air pumps blowers, wiring and accessories for necessary during December. D To(T)- Additional $50,000 material increase Navy C&M alloted for December. 12-23
466262	12/31	M Is T	Percentage of completion of various vessels bldg - D
			1920
466910	1;1	M IS	Report showing condition of work on Dec 31st. D
473596	2;1	M IS	Report showing condition of work on Jan 31st.
477193	2;18	NY (SEE OVER)	Asks if trial outfit similar to that prepared for TENNESSEE should be installed on CALIF. To I.M. Ny- Directs installation of trial outfit similar to TENNESSEE. 2-21 copy to M Is.
476613	2-17	To M Is joint	To M Is-Directs installation of trial outfit similar to TENNESSEE. 2-21 copy to I.M. Ny. 2-21 NY-arrangement and details of pumps, tanks piping for measuring feed water on trial trip-3;1 Probable completion date: Reqts have date in progress reports.
481527	3;1	M IS	Report showing condition of work on Feb 28th. D

CALIFORNIA: TRIALS & PAYMENTS: 1920

Number.	Date.	From or To—	Subject.
477193	3-18	SEE OVER	Fwd Bd I&S-3-18 RB-3-22 ~~To I.M. Ny- Lists plans appvd. 3-23~~
485405	4;1	M IS	Report showing condition of work on Mar 31st.D
485941	4;1	M IS	Report showing condition of work on Mar 22nd.D
491468	4/29	M Is	Reqst Bu. constrn reports for October 1917 & August 1918 be loaned - D To M Is Acct Off- reports not in Bu files.5-5 M Is - fwds copies of report - 5/15 - D
495294	5/1	M Is	Report showing condition of work in 4/30 - D
496832	5/29	M Is (T)	Percentage of completion of vessels building.D
498237	6;1	M IS	Report showing condition of work on May 29th.D

CALIFORNIA: TRIALS PAYMENTS ETC

1910

Number.	Date.	From or To—	Subject.	
422881	6;1	Mare Is	Progre ss report D	
429470	6/30	M Is T	Percentage of completion ~~of vessels bldg~~ - D	
430518	?	M Is	Monthly report. D.	
~~436614~~	~~8;1~~	~~Griffin copy~~	~~Vessel ready to proceed Pacific station August 14.A~~	
~~436613~~	~~7;1~~	~~M Is copy~~	~~Percentage of completion of vessels building at.D~~	
443300	9;3	M IS copy	Monthly report.D	
444174	8;30	M IS	Submits month[l]y report.D	
447564	9;23	Inspr GE	Propelling machinery-fwds incurance on.D Fwd Solicitor. 9-29	

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N.S.E. Form 134.

1919

CALIFORNIA: TRIALS, PAYMENTS, ETC.

Number.	Date.	From or To—	Subject.	
448438	9-30	Mare Isl (T)	Status report of vessels building.	D
449055	10;2	Solicitor	Copy of letter to Insp GE acknowledging receipt of insurance policies on propelling machinery.D	
449172	9;30	M IS	Report of work showing condition of machy.D	
455414	10/31	M Is Copy	Progress report on vessels building - D	
455681	11/1	M Is	Report showing condition of work on 10/31-D	
459028	11;20	M IS copy	Vessel successfully launched Nov.20th.A	
460596	11/29	M Is Copy	% of completion of various boats bldg - D	

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[OVER.]

CALIFORNIA: TRIALS: PAYMENTS ETC

Number.	Date.	From or To—	Subject.	
401077	2;27	Mare Is.	Submits report on machinery D	
401154	3;8	Ins. GE	Fwds contr. req. for partial payment covering propelling machinery K Fwd S&A. 3-12	
402535	3-19	Fwd Mare Island joint	Estimated Cost. M Is - fwds blue prints of revised estimates - 4/21	
407219	3;31	M Is	Tel percentage of completion report of vessels building D	
409265	4;1	MI	Reports on machinery for March D	
409258	3;25 (TRANSFERRED TO 2- Z- 9)	Ins. Ford	Req. information and suggestions on tilt trap for turbine D	

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N.S.E. Form 134.

CALIFORNIA: TRIALS PAYMENTS ETC

Number.	Date.	From or To—	Subject.	
409266	4;1	MI	Reports on machinery for March D	
409781	4;1	FR	Monthly report for AA-3 and AA-2 DN	
415004	4/30	M Is T	Percentage of completion of vessels building - D	
415828	4/30	M Is	Monthly report .	
416322	5-1	Mare Island	Condition of work on 4/26 - D	
418743	5;1	Ins. FR	AA-3 monthly progress report D	
422342	5/31	M Is T	Progress report vessels bldg - D	

4—3381

[OVER.]

CALIFORNIA: TRIALS: PAYMENTS: ETC.

Number.	Date.	From or To—	Subject.	
368382		Mare Island	Report on machinery - showing condition of work on Oct. 29	
373211	11;29	Mare Is.	Tel. report on progress D	
374008	11;30	Mare Island	Progress report DN	
374012	12/3	M Is T	Submits report on % of completion of various ship's bldg - DN	
376398	12;6	Ins. F R	Cont. req for 35th payment K	
381569	12/31	M Is R T	Report of % of completion of various ships building - DN	

N.S.E. Form 134.

CALIFORNIA: TRIALS: PAYMENTS . ETC 592 - 2 1919

Number.	Date.	From or To—	Subject.
382696	1/1/19	M Is	Status report - DN
391049	2;1	Mare Is.	Progress report DN
396336	2;18	Ins. G E	Fwds contr. bill and affidavit covering present payment for machinery K Fwd S&A. 2-25
398508	2/28	M Is T	Work on parts and fittings progressing satisfactorily - D
398575	2;28	Mare Is.	Tle. submits progress report on changes building D
399514	2;28	Mare Is	Progress report DN

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
322373	7-2	Mare Island T	Submits percentage of completion of CALIFORNIA and destroyers and submarines building at yard. N	
323383	7-1	Mare Island	Monthly report	
331814	7/31	M Is T	Submits % of completion of CALIFORNIA & other boats building.	
332401	7-30	Inspr GE	Fwds insurance policy covering fire risk on machinery furnished by GE Co 1 K Fwd Solicitor, 8-2	
334810	7/31	NY	Report of machy showing condition of work on 7/31 - D	
335285	8-1	Mare Island	Monthly report	

N.S.E. Form 134.

CALIFORNIA: TRIALS: PAYMENTS: ETC. 592 - 2

Number.	Date.	From or To—	Subject.	
343336	8/31	M Is	Status of completion of vessels bldg at - D	
342555	8-31	Mare Is.	Report on machinery showing condition of work on Aug. 31. D.	
354336	10/1	M Is T	Submits status of completion of various ships building - D	
355619	9;30	Mare Island	Monthly report DA	
364338	1028	Mare Is.	Montly report D	
364774	11/2	M Is T	Submits report on % of completion of various shlps building - D	
364761	11/2	M Is T	Report of progress of installation of boilers on - also other work - D	
367016	10-31	Mare Island	Monthly report DN	

4—3381

[OVER.]

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CALIFORNIA: TRIALS : PAYMENTS ETC 1918 4

Number.	Date.	From or To—	Subject.
298249	4-9	Mare Island	Monthly report. N
181948	4-25 10:4	Mare Island T Mare Is. Tel.	Bend of tubes completed. N M Is - T - 5/17 Mare Island. T 5-23 Mare Island - T - 6-7 Mare Island - T - 6-14 M Is (T) 6/27 Mare Island - T - N 7-4 Mare Island - T - 7-12 M Is (R) - 7/18 Mare Island - T - 7-26 Mare Island Aug 1 telegram - D Mare Island tele - 8-2 Mare Island 8-22 - telegram Mare Island T CALIFORNIA
301782	4/26	GE	Propelling machy - application for 12th payment-K Fwd S&A 5-1
302709	5/2	M Is T	Submits % of completion of California vessels bldg at Yd

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
303630	?	M. IS.	Fwds report showing condition of machinery work on California 14/26 N	
303631	4;26	GE	G E reqts. 12th payment. K	
302981	4;30	Mare Island	Fwds report on machine showing condition of work 4;30 N	
311325 1	5/27	GE	~~Contrs request 13th payment on propelling machy - K~~ ~~Fwd S&A 5-31~~ ~~GE Co - T - Request payment be expedited.~~ K ~~6-19~~ ~~Fwd S&A 6-20~~	
312438	6/2	M Is T	Submits % of completion of CALIFORNIA: FAIRFAX: TAYLOR: BOGGS and other vessels building at Yd - N	
312949	—	M Is	Monthly report - N	

4—3381

[OVER.]

CALIF: TRIALS: PAYMENTS: ETC.

1917

Number.	Date.	From or To—	Subject.
259894	11/5	Calif	Monthly report.N M Is - (R) corrections - R
259978	11/9	GE	6th payment K Fwd S&A- 11-12
262026	11/15	M Is	Monthly report N
265361	12/4	GE	Contract 26207 - 7th payment for propelling machy - request K Fwd S&A-12-7
267577	--	M Is	Monthly report - N
271802	1-4	GE	Insurance on material; fwds policies.K wd Solicitor- 1-8
271807	1-4	GE	Propelling machinery; application for 8th and 9th payments.K wd S&A- 1-8

N.S.E. Form 134.

CALIF: TRIALS: PAYMENTS? ETC.

Number.	Date.	From or To—	Subject.	
272571	1-9	M Is R	& SHAW & CALDWELL & 93 & 94, etc - reports on % of completion - N	572-2
274607	1/10	M Is	Monthly report - N	
282523	none	M Is	F Monthly report. N Fwd S&A 2-23	
283295	2-16	Inspr. G E	Propelling machinery. 10th payment. A	
287038	3-5	Inspr GE	Propeller machinery 11th payment - reqt. Fwd S&A 3-7	K
289365	2-28	Mare Island	Monthly report.	
296782	3-10	M Is R	Destroyers 92 and 93 and 136, and K subs - monthly reports. N	

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[OVER.]

1917

CALIFORNIA: TRIALS: PAYMENTS: ETC.

Number.	Date.	From or To—	Subject.	
227599	4/30	M Is	Report of expenditures K	
227945	4/30	M Is	Monthly report	
233427	6/8	M Is	Monthly report N	
236717	7/2	GE	Propelling machinery - 1st & 2nd payments request K Fwd S&A--7/5	
236787	7/3	GE Co	Fwds insurance policy covering material and request first and second payments be expedited K Fwd Sol--7/5	

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N.S.E. Form 134.

CALIFORNIA; TRIALS; PAYMENTS; ETC

Number.	Date.	From or To—	Subject.	
238669	7/6	M Is	Monthly report N	
241346	7/28	GE	Request 3rd payment for propelling machinery K Fwd S&A—7/31	
243465	8/8	M Is	Monthly report N	
246328	8/27	GE	Propelling machinery - contract 26207 - 4th payment request K Fwd S&A—8/30	
249733	9-7	M.Is	Monthly report.N	
254231	10/10	GE	Request 5th payment for propelling machinery K Fwd S&A- Recommends appvl. 10-13	
254965	10-10	M Is	Monthly report.N	

NB—0120

[OVER.]

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1911

CALIFORNIA: REPORTS OF WORK.

Number.	Date.	From or To—	Subject.
181948	8/10	M Is R	
	8/16	M Is T	
	8/25	M Is R	
	8-30	M Is R	
	9/8	M Is R	
	9/13	M Is R	
	9/20	M Is R	
	9/27	M Is T	
	10/5	M Is R	
	10/13	M Is R	
	10/19	M Is R	
	10/25	M Is R	
	11/2	M Is R	
	11/9	M Is T	N
	11/16	M Is R	N
	11/22	M Is T	
	12/2	M Is R	N
	12-7	M Is T	
	12/14	MIS T	N
	12-21	M Is T	
	12/27	M Is T	
	1/4	M Is R	N
	1-10	M Is T	
	1/19	M Is R	
	1-31	M Is T	D
	2/8	M Is T	
	2-15	M IS R.	
	2/21	M IS T	N
	2/28	M Is R	No change
	3-7	M Is T	Progress report. N

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N.S.E. Form 134.

592-2: CALIFORNIA: REPORTS OF WORK.

Number.	Date.	From or To—	Subject.	
7 181948	3/15	M Is T		
	3/22	M Is R		
	4/12	M Is -(T)	Monthly report - N	
	4/19	M Is R	N	
	5/3	M IS.	Tel. ~~Californi~~ N	
	5-31	Mare Island T		
	6/20	M Is T		
	9-5	Mare Is	Telegram	
	9/26	M Is T		

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[OVER.]

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CALIFORNIA:

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BALIFORNIA: REPORTS ON WORK.

1916

Number.	Date.	From or To—	Subject.
181948	9-21	M.Is T	
	9-28	M.Is T	
	10-5	M.Is T	
	10-12	M.Is T	
	10/19	M Is T	
	10-26	M.Is T	
	11-2	M.Is T	
	11-10	M.Is T	
	11-16	M.Is T	
	11-23	M.Is T	
	11-29	M.Is T	
	12-8	M.Is T	
	12-15	M.Is R	
	12-22	M.Is T	
	12-28	M.Is T	
	1/5	M Is R	
	1/11	M Is R	
	1/18	M Is T	
	1/25	M Is (T)	
	2/1	M Is R	
	2-8	M.Is R	
	2/15	M Is R	
	2/23	M Is R	

1917

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N.S.E. Form 134.

CALIF: REPORTS OF WORK. 592 -- 2

Number.	Date.	From or To—	Subject.
181948	3/2	M Is R	M Is (R) 8/2
	3/9	M Is T	M Is - 4/4 (T) - N
	3/15	M Is R	Mare Island. T - No other work than reported undertaken. N 5-10
	3/23	M Is T	Mare Island 8-15 telegram - D
	3/29	M Is T	
	4/6	M Is T	
	4/12	M Is T	
	4/20	M Is T	N
	4/27	M Is	N
	5/4	M Is T	N
	5/10	M Is T	
	5/17	M Is T	N
	5-25	M Is T	
	6/2	M Is T	N
	6/7	M Is T	
	6/14	M Is T	N
	6/22	M Is T	N
	6/29	M Is R	
	6/5	M Is T	N
	7/14	M Is T	
	7/20	M Is R	
	7/22	M Is R	

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592 --2 CALIFORNIA

BATTLESHIPS No 44; tTRIALS. 1916

-1

Number.	Date.	From or To—	Subject.	
181171	3-1	M.Is	Date for form 102 and 102 special.N	
181241	3-10	M.Is R	No work other than that reported in telegrapm Feb 24.N Fwd Dept-- 3/11	
181948	3-18 M.Is 6-1 M.Is 6-9 Fwd Dept-6/10 Fwd Dept--5/1 RB 5/4 M.Is (T) 5-5 Fwd Dept--5/5 M.Is (T) 5-12 Fwd Dept--5/12 M.Is (T) 5-19 Fwd Dept--5/20 M Is (T) 5/27 Fwd Dept 5/27	M.Is R	No work started other than that reported Feb 24, N M Is (T) 8/3 Fwd Dept-- 3/18 RB 3/22 M.Is (T) none 3-23 M Is (R) none 4/6 M.Is (T) none 3-31 Fwd Dept-- 4/7 Fwd Dept-- 4/1 M.Is (R) 4-21 none Fwd Dept--4/22 M.Is 4-29 (T) Fwd Dept-5/3	CARD 4
179545	3/31	T Dept (SE-C&R-Y&D) o p	Floating crane at M Is Yd for use in construction of BS 44; rec item be inserted in Nav Appro Bill covering	615-7
181948	6-14	M.Is T	Fwd Dept--6/16 Ref. Dept. 6-26	
	6-24	M.Is T	Fwd Dept-- 7/1	
	6-29	M.Is T		
	7/6	M Is T	Fwd Dept--7/7	
	7/14	M I s T	Fwd Dept-- 7/14	
	7/20	M Is T	Fwd Dept--7/25	
	7/27	M Is T	Fwd Dept --7/28	
	8/10	M Is T	M Is - (R) - N	
	8-17	M.Is		
	8-24	M.Is T		
	8-31	M.Is T		
	9-8 9-15	M.Is T M.I T		

NB—0120

see next la

N.S.E. Form 134.

CALIFORNIA: TRIALS: PAYMENTS: ETC. 592 -- 2

Number.	Date.	From or To—	Subject.	
193704	7/7	M Is	Reqt authority to discontinue sending wire every Thursday until work is actually underway.N Fwd Dept--Rec appvl. 7/19 RB 7/22 To--Dept directs weekly report be continued 7/24	
195401	7/24	Calif	VOID	
198559	8/30	M Is	Revised estimates; fwds.W	
201587	10-2 To--(T) revised weights	M.Is Directs prepare own ests estimated machinery of. 1/22	Request computing gravity weights. D To--Fwds machinery weight sheet. 10/14 M Is asks if Bureau has final weight analysis; agrees with sheets forwarded in Oct, particular reference to smoke pipes, uptakes, etc (R) 1/20	
202995	10/19	NY	Report of expenditures.K	
203726	10-25	M.Is T Copy	Keel laid. N	
212545	1-19 To M.Is.--Fwds form 102-Sp. 5/10 To--4/13	M.Is To--4/30	1917 Kingsbury thrust bearings; asks if to be treated as inc cost in connection with making out form 102	592-14
215385	2-8 To GE--Fwds copy of Form 102. (250 copies) 4/9 To M.Is. Ditto 4/9	M.Is M. Is 4/21	Schedule for form 102; submits revised est based on revised plans and specns.N M Is revises form 102 to cover boring bar equipment charged against ship 3/17	
217350	3-?	M.Is	Monthly report.N	
217364	3-6	M.Is	Report of expenditures.K	
222003	4-4	M.Is	ditto	

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[OVER.]

CALIFORNIA: ELEC PLANT GENERAL:

Number.	Date.	From or To—	Subject.
580368	8;12	NY	Reqt print to be used in connection with portable cable to kite balloon winch.L
593857	10;24	CO	Reqt two copiesof elec wiring and lighting fittings and fixtures be furnished.L To CO Gives Action 11/10
		1922	
607941	1/30	CO	Fwds descriptive matter and sketches submitted by Gunner E/ J. Kruecor cov electric follow-up system. L Benef.suggs. L Fwd CO 2/11
627761	6/8	M.I.	Omission of fire control telephones from search light station. Estimate of decreased cost L
627762	6/8	M.I.	Installation of electric detaching devices for Franklin life buoys. Estimate of increased cost. L To MI JOINT- estimate appvd 6/24

Rwards

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

592-3

CALIFORNIA: ELEC PLANT GENERAL

1921

5

Number.	Date.	From or To—	Subject.	
557030	4/2	To MI	Portable Cable - Gives inform re shipment of L	
514468		SEE CARD 3	To Inspr G E Co Gives inform re Addnl 3 conductor Cable cc L I L 5/7 Inspr GE-cord shipped April 29-5;9-L	
562733	5/10	To S&A	Reqst shipmt of cable from Chasn to MI 7208 L RB 11/16 L	
562924	5;4	M IS	Request latest issue of instrns for service test of elec plant.L To MI Fwds copies of advance sheets cc IM NY L 5/24 M IS-reqt action-5:25-L To MI (T) Fwds cc advance sheet 5/24 5/26	

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N. Eng. 134

592-3: CALIFORNIA:ELEC PLANT:GENERAL.

Number.	Date.	From or To—	Subject.	
570369	6;17	M IS T	Reqt 1000 ft leaded and armored cable be furnished to complete illuminating outfit L To S&A Reqst shipmt of cable from Phila to SO #7899 MI 6/20 S&A-7;5-L To MI Gives Status of shipmt cc S&A 7/9	
571351	6/17 6/23	Cost Inspr Union Compsn Bd.	In conn with shipt of cable to MI for CALIFORNIA L	296-Q-2
573659	7;6	M IS T	Reqt ship at once leaded and armoured cable L To S&A Reqst shipmt of Cable from NY to SO MI 8085 7/8 RB-9;20-L	
574463	6;11	M IS T	Reqt ship portable conductor plain cable by fast freight L To S&A Reqst shipmt of cable from NO to MI 8144 7/13 To MI Gives inform rel cable 7/13 RB-9;20-L	
534092	~~7/15~~	see card 4	To MI Rel cable - Gives Inform 7/15 L	

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CALIFORNIA: ELEC PLANT GENERAL 1920

4

Number.	Date.	From or To—	Subject.
534092	12-11	To S&A	Reqst shipmt of cables from Boston to MI 5504 L RB 3/14/21
		Ports-returns shipment order-cannot furnish mat1-3;25-L	To MI 3/12
		To MI 4/29	To S&A Reqst shipmt of cable from Ports to MI 6625 3/15 RB 5/28 L
		Fwd S&A 5/6	
534093c	12-11	To S&A	Reqst shipmt of cables from Pug Snd to MI 5505 L
536971	12;22	M IS	Request wire and cable be furnished for work on class and destroyers at yard.L
			To MI Will enter shipmt order 1/11/21
			To S&A Reqst shipmt of cable from Boston to MI 5962 1/17/21
540120	1;7	M IS	Request elec prints listed be furnished.L
540326	1;8	M IS	Request VanDykes of elec fixtures listed be furnished.L
			To MI Fwds Vandyke 1/24
541304	1;19	M IS T	Request ship at once leaded and armoured cable and conductor.L
			To MI (T) Gives action 1/20
			To S&A Reqst shipmt of Cable from Phila to MI 6136 1/31/21 RB-10;12-L

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CALIFORNIA ELEC PLANT GENERAL . 1921

Number.	Date.	From or To—	Subject.
524039		SEE CARD 3	To MI Gives inform re shipmt order L 2-1/21 To S&A Reqst shipmt of wire and Cable from Po ts to MI 6207 2/5/21 L RB-6;27 Ports-3;1-L
547209	2/19	To MI	Re Electrical instln Costs L M IS-6;13-
547644	2;14	M IS	Reqt elec plant listed be furnished.L
552290	3;18	M IS T	Request ship armoured cable at once for.L Fwd S&A 3/23 NY-copy of action to S&A-3;29-L NY-copy of action to S&A-4;26-L
558876	4/14	MI	Request specifications of test to be performed on all eletric machry installed. L To IM NY Fwds Reqst cc of form 218 be fwded 4/25 NY-fwds form showing testing of various elec auxiliaries-4;29-L

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[OVER.]

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CALIFORNIA: ELEC PLANT.

Number.	Date.	From or To—	Subject.
507842	7;21	M IS	Copy of letter to Insp r Brookn asking if wire and cable has been shipped.L
509950	8;54	NY	Arrangement of wiring in engine motor- and control rooms-fwds prints.L To NY. appvd 8/12
514468	8;24	M IS	Request Bureau obtain three conductor leaded and armoured cable.L Fwd IL NY CC MI 9-8 RB-9;17-L To MI 9-24 M IS-12;3-L Insp r GE-4;15-L Requests wire for.L To MI (T) Gives inform re shipmt 9-20. To S&A Reqst shipmt of cable from Brook to SO MI 4480 9-22 RB-126M IS-copy action FSB-10;2-L Request wire be shipped.L To MI (T) Cable will be shipped from Norf 9-21
	To MI 12-15		
	To S&A. Reqst action 12-15		
	S&A-12;20		
	To MI Gives inform 1/15/21		
	To I spr GE- Gives instrns cc MI 4/13		
517932	9;18	M IS copy	
	To MI auth larger size cable 9-2		
	To S&A. Reqst cancel of shipmt		
	order 4480 be cancelled 9-30. RB 1/6		
517249	9;20	M IS T	
517892	9-22	To S&A	Reqst shipmt of Cable from Norf to MI 4479 9-22 To S&A Reqst shipmt of Cable from NY to MI 4553 9-28
Reqn M Is	29 L R	10-15 To MI	Action withheld pending inform and comment from comdt re weight per sheet of mat listed cc purchasing officer Union L

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N.S.E. Form 134.

592-3: CALIFORNIA: ELEC PLANT:

Number.	Date.	From or To—	Subject.	
524039	10;13	M IS	Request wire and cable listed be furnished.L	
To S&A Reqst shipmt of wire & Cable from Ports to MI 5419 12-6 RB 10/31L			M IS-reqt wire listed be furnished.10;19-L	
To S&A Reqst shipmt of wire & Cable From Phila to MI 5418 12-6			To MI Gives inform re shipmt order 10-26	
To S&A Reqst shipmt of wire & cable from Boston to MI 5420 12-6			To MI Gives inform re shipmt order cc 60 Biston- NO 10-28	RB 1/3/1
Phila-12;17			To S&A Reqst shipmt of cable from NO to MI 4983/10-29	
M IS-(6 letters)-copy of action to various yards-12;17			To S&A Reqst shipmt of cable from Boton to MI 4985 10-30	
Phila-copy of action to M IS-12;23-L			M IS-11;23-L	
Phila-copy of action to M IS-12;24			To S&A Reqst shipmt of wire and cable from Chasn to SO MI 5417 12-6	
S&A-1;3-L			To S&A Reqst shipmt of wire and cable from Bro ok to MI 12-6 5425	
To MI Gives inform cc MI 1/13/21 470503		SEE CARD 1	To MI 4-Conductor Lighting Cable; Gives amendment of cc S&A. L 11-12	
529637	11;10	M IS	Request cable be furnished.L	
M IS-12;14-L			To MI Gives instrns cc NY 12-7	
NY-request M IS divert matl to vessel-12;29			To S&A. Reqst shipmt of cable from NY to MI 5671 12-27	
532870	12;1	M IS VOID see card 11	Report showing condition of work on Nov 30.D	
534099	12-11	To S&A	Reqst shipmt of cables from Chasn to MI 5503 L	
			To MI (T) Gives inform 11/11/21	
			M IS-T-reqt cable be shipped at once-1;10-L	
			To S&A Reqst shipmt of Cable from NY to MI 5904 1/14	RB-3;30

CALIFORNIA: ELEC PLANT:

Number.	Date.	From or To—	Subject.	
481582	3;9	M IS	Type method of supporting elec cables and appliances fwds photographs showing with comments.L	
M Is SE 129	3-26	To Mare Island	Cable for CALIFORNIA-Advise authority for desirability of using cable having National Elec Code insulation aboard ship. Action on reqn being withheld pending this information. copy to S.O. Mare Island.	L
4824703	3;9 3;30	M IS C&R	Type method of supporting elec cables and appliances-fwds photographs and specimens typical elec welded cable hangars-request withdraw disapproval of-L&D Fwd C&R. copy to M Is. 4-10	
487194	4;8 To M Is. Portable sets to be manufactured but not until plans have been prepared and appvd. 5-4.	M IS	If vessel is not to receive portable parts of illuminating set request M IS reqn covering cable be cancelled.L	
489016	4;17	M IS	Request information re supplying necessary data for record of elec appliances book also finished elec plans.L ~~cross to 573-3~~ Fwd M Is via I.M. Ny. copy to Mare Island. 4-24. RB-6;8-L RB-6;~~29-A~~ Fwd M.I. 6-11. RB-6;29-L ~~Fwd M.I.~~	

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.	
491397	4/26 5/3	M Is C&R	Method of supporting elec. cable and appliances - reqst authority to compete in accordance with present practice - L Fwd C&R. 5-5	RB-7;26-L
491739	5-6	To S&A.	Reqst Shipment cable from Phila to MI. 2671 5-6. To S&A. " from NY. 2672. 5-6. To - " From Bost. 2673. 5-6. To - " From Nflk. 2674. 5-6. NY - confirms telephone conversation in connection with shipment of cable to M Is for- Norf-6:12-L To SO LL- via S&A. Reqst M.I. prepare reqn to cover requirements for mat listed 6-30.	RB-7;28 5/24-L
498326	6/2	M Is	Copy of letter to NY reqsting information relative to status of elec. plans - L	
500372	6;14	M IS	Copy of letter to NY requesting action be taken to supply two addtl Franklin life buoys detaching device.L	
500823	6;17	M IS	Copy of letter to Inspr Brookn asking when wire and cable listed will be shipped.L	
502306	6;29	NY	Copy of letter to M IS stating two addtl detaching devices for ~~Fair~~Franklin life buoys will be shipped within a week.L	
506231	7;17	NY	Arrangement of cables and distribution room switchboards-fwds prints.L	

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[OVER.]

CALIFORNIA: ELEC. PLANT.

Number.	Date.	From or To—	Subject.	
202455	10/18	To M.Is.	Bu desires to increase by 5 the number of copies of Record of Elec. Appliances. Gives list of distribution. L	
			1917	
222288	4/14	To M.Is.	Testing and Measuring instruments. Lists articles revision will include. ~~IN To--Gives satis type of megger.6/16~~	
30487	7-20	F.H.Lovell Co.	Elec equipment for CAL & Tenn; states cannot advance date of shipments on contracts for destroyers and deliver this material on contract date.	629
			1919	
396492	2/17 2/19	M.Is S&A T	Request authority to purchase local flat steel for manuf of cable hangers - elec/ installation on - L Fwd S&A. 3-15	
410485	4;11	NY	Have fwded. copy of electrical specifications serial number 35 to Mare Is/ L	

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N.S.E. Form 134.

592-3: CALIFORNIA: ELEC PLANT:

Number.	Date.	From or To—	Subject.
446027	9;12	M IS	States plans are now being altered due toconverting of vessel into fleet flag ship. asks if necessary wiring work will be done at NY or M IS. To - Necessary changes to wiring plans will be made by Navy Yard Ny. 9-22. copy to I.M. Ny. 9-22
425208	10/17	NY	Recs no change be made in Tenn and Cal at this time. To NY will not require changes in design of bulkhead nd deck stuffing boxes for Tenn and Cal Db 10/21 731 1020
470503 S&A-4;24L	1;13	M IS See card 3	Submits report on wire cable report for.L To M Is- Gives detail action. 1-24 To S&A ship from Norf to MI for CALIFORNIA 1/31 RB-8;12-L To S&A ship from Boston to MI for Cal 1/31 RB-8;12 To S&A ship from NY to MI for Cal 1/31 S&A-2;10 fwd S&I 2/25 M IS-reqt action-11;2-L
		Fwd S&A. copy to S.O. Norf and M Is. 4-30 To S&A- Reqt shipment cable from Ny to Mare Island. serial 2614. 5-3 RB 1/26/21 M IS-reqt shipping data-7;3-L To MI 7/15	
474617	2;6	C&R	Copy of letter to M IS stating no change in present method of supporting elec cables is desired.L To M Is- Reqts prints of supporting cables.method. 2-12 M IS-method of supporting elec cables-fwds prints/2-19
479157	2;25	M IS p	Submits list of elec plants urgently needed.L Fwd I.M. Ny. 3-5 copy to M Is.RB-3;23

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CALIFORNIA: INT COM SYS:

Number.	Date.	From or To—	Subject.
529153	11;13	C&R	Copy of letter to M IS stating voice tubes list satis.L
529249	11;9	M IS	Request disposition of type "B" annunciators for if same are not to be installed.L To MI Gives inform 12-11 M IS-12;11-L M IS-12;14-L
530287	10;28 11;19	M IS C&R	Additional voice tubes fwds prints-L Fwd C&R 12-7 M IS-fwds prints-12;2-L
532416	11;30	NY	Fire control telephone list and system-fwds prints.L To IM NY Plan appvd 12-9
534562	12;11	M IS	Copy of letter to C&R stating July 21,1921 is date of completion of work on.L
526580		SEE CARD 6	To IM NY Plan assgd file No 1/10/21 L

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592-4: CALIFORNIA: INT COM SYS:

Number.	Date.	From or To—	Subject.	
540791	1;10	M IS VOID	Request information as to Bureau cognizance of air compressor piping. D X to cognizance	
540800	1;10	M IS M IS-T-reqt fwd wiring diagram-4;20-L	Request wiring diagrams covering cirucits to directorscope. L Fwd Ordn cc MI 1/21 RB 1/24 To MI Gives Inform 1/26/21 To MI Gives inform cc rdn 4/27	
541356	1;21	Ord	Copy of letter to M IS in connection with location of fire control instrument in tops. L	
525938		SEE CARD 6	To Inspr Brook- Plans appvd annun- method of securing terminals for leads L 1/31/21 Inspr Brookn-fwds prints2-;18-L To Inspr Brook a ppvd 3/1 Inspr Brookn-5;7-fwds tracings-5;7-L To Inspr Brook- Returns plans appvd 5/17	
547536	2;19 To MI (T) Fwd C&R 3/10	M IS T Appvd 3/3	If plotting room illumination is to be changed request prints and elimination in connection with. L To MI (T) Gives Instrn cc C&R 2/21 C&R-fwds est of M IS-3;1-L	

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CALIFORNIA INT COM SYS 1920

Number.	Date.	From or To—	Subject.
513306	8/24	C&R	Communication Off fwds copy of letter to Mare Island with print. L To IM NY Fwds Plan OC MI 9-1 NY-will furnish modified plans-9;2-L NY-9;27-L
		Fwd C&R. 9-30. RB-10;8-L Fwd IM NY 10-13 RB 12/27 L NY-fwds prints listed-12;23-L To Inspr NY Plans appvd 1/12/21	
513579	8/19	Mare Island	Check fire and salvo system- Copyof letter to N.Y. requesting shipts be expedited. L
513999	8/20	Mare Island	Copy of letter to Inspr Brook rqsting material be expedited. L
516728	8;21 9;11	M IS C&R	Change voice tubes estimate decreased cost.L Fwd Solicitor 9-15 RB-9;22-L Fwd C&R. 9-28
517248	9;13	NY	Telephone storage boxes-fwds plans.L To IM NY unsatisfy 9-16
517681	8;23	M IS	Pneumatic tube installation-estimated change in cost.L Fwd Solicitor 9-20 RB-9;23- Fwd C&R. 9-28
518593	9;21	C&R VOID	Estimate for foam fire extinguishers.Y
518588	9;21	C&R	Voice tube changes due to searchlight.L

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N.S.E. Form 134.

CALIFORNIA INT COM SYS 1920

Number.	Date.	From or To—	Subject.	
520905	10-5	To MI (T)	Instln station Forbes system Extra ind and recorder will be shipped L.	
520905	10;4	MIIS T	Ask what Forbes log system shall be installed on.L	
522198	10-12	To S&A	Reqst shipmt of mat from NY to MI 4756 10-12	RD 12-21
525938	10;21	M IS	Fwds sketches of present and proposed modifications in method of securing terminals for leads.L	
		M IS-reqt disposition of matl-12;17-L		
		To MI auths mod 1/6/21		
		To Insp Brook Gives inform 1/6/21		
		To Insp Brook Gives inform 1/6/21	To MI Reqst inform re wire terminals 11-15	
		Insp Brook-1;24	M IS-12;31-L	
526419	10;30	C&R	Voice tubes-fwds prints.L	
			Fwd C&R. 11-8	
526500	10;30	Ord	Copy of letter to M IS giving allowance of targetturret indicators.L	
526580	10;30	NY	Fwds print showing evershed control system also gyro compass system.L	
		To M NY Plan appvd 12-21	To IM NY Plans appvd cc MI 11-12	
		NY-1;3-L		
527107	10;28	M IS	Fwds sketch and diagram of loud speaking telephones calling attention to trouble experienced with.L	
		M IS-elementary wiring diagram loud speaking telephones fwds prints-1;19-L		
		To MI Plan appvd 2/7/21	To MI Gives inform cc M NY 11-13	
		M IS-elementary wiring diagram-fwds prints-2;16		
528106	11;8	M IS copy	Status of installation of guns on.L	

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[OVER.]

CALIFORNIA: INT COM SYS: 1921

Number.	Date.	From or To—	Subject.
548838	2;19	M IS	Request wire for portable fire control leads be furnished.L
S&A-5;30-L Fwd S&A 7/13			To MI- Gives inform re shipmt orders 3/12 To S&A Reqst shipmt of leads from Boston to SO MI 6624 3/15 RB-7;30-L To S&A Reqst shipmt of leads from NY to SO MI 6623 3/15 RB-4;25 S&A-ask if substitution of twin conductor plan wire satis-3;23 Fwd S&A cc SO NY MI 6/11 To S&A Reqst shipmt of lads from Ports to SO 7845 6/15 RB-9;5-L
555771	4;4	NY	Ask if will auth battle dressing stations for engineers force on.L To IM NY Plans shld be modified cc MI 4/12
557029	4;7	M IS	Ask when shipment of 7 dm Western Elec telegraphs may be expected.L Fwd S&A cc MI 5/12 RB 5/19 L
558575	4;16	Norf	Copy of letter to M IS in connection with shipment of addtl DM phones for ship service telephone system.L
563201	5;6	M IS	Request prints showing wiring diagram of director correction system.L
564140	5;11	M IS	Request Winkler Riechman Co send representative to yard to adjust loud speaking telephones.L
M IS-reqt further info-6;17-L M IS-6;17-L			To Winkler Reichman Co- Gives inform re instln of loud speaking telephone cc Inspr Chicago- Comdt MI 5/24 Winkler Reichmann Co 5;31-L To MI Gives action 6/10
566886	5;26	M IS	Request wiring diagram of anchor telegraph system.L

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N.S.E. Form 134.

CALIFORNIA: INT COM SYSTEM 1921

Number.	Date.	From or To—	Subject.
568035	6/10	To MI ~~-Auth~~	Authorizes installation of Auxiliary Current Supply for Broadside director follow-the-pointer system Y
573993	7/16	To MI JOINT	Change- providing of foundations for after broadside director tower approved D
576799	7;22	M IS T	Kite balloon telephone rqst action in connection with contract 594 covering.L Fwds Inspr Brook 7/26 L RB-7;30-L Inspr Brookn-inspn matl being made at Chi-9;9-L
578850	8/2	Inspr Chic.	Copy of letter to MI stating manuf of fire control telephones for use with kite balloons will not start until sample is approved. L
580114	8/10	MI (T) To-- Gives comments cc MI 9/22 Wilkler Reichman Co.- Will furn machine. L engineer to inspect loud speaking telephone 9/29 L To-- rel instln of telephones 10/4 Winkler Reichman Co-accepts proposition-10;6-L	Winkler Richman loud speaking telephones unsatisf- rqst Co's representative investi- To M.I. Tel 8-11 CO-T-Winkler phones unsatis-representative not yet arrived-9;20-L
581195	8;2 8;16	M IS C&R	Request copies of instrns for operating Forbes Log.L To MI Fwds cc of instrns 8/20 Fwd C&R 8/20
582813	8;8	M IS C&R-copy of action to M IS-10;13-L M Is-copy of action to C&R fwding voice tube prints-11;4-L C&R-Rqst comments on arrangements of voice tubes.11/21 L	Branch voice tube to ships communication office submits estimates and plans.L Fwd C&R 9/17 RB 10/1- L Fwd C&R 10/8
36851	8/31	To CO CALIFORNIA	Request CO report general condition of announcing system LS 629

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[OVER.]

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CALIFORNIA INT COM SYSTEM 1921

Number.	Date.	From or To—	Subject.	
128	12/9	To CO	General announcing Telephone system LR	
601205	12/14	CO CALIF	Subm report on Winkler Reichman loud speaking telephone system- installed on. L	717
614680	3/16	MI	Instln of docking telegraph system- estimates of increased cost. L To MI- Appvs estimate 4/1 L Dn Joint.	
614681	3/16	MI	Instln of 3 general alarm gongs- estimates of increased cost. L To MI Estimate approved 3/29	
614684	3/16	MI	Instln of 14 addtional ships telephones- estimates of increased cost. L To MI- Appvd Estimation of cost 4/1 L Dn	

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[OVER.]

CALIFORNIA: INT COM SYS:

Number.	Date.	From or To—	Subject.
583979	8;30	M IS	Kite balloon telephone-ask if to be installed.L To MI Gives Action cc Inspr Chicago 9/22
588568	10;4	Dept	Copy of ind to Pac Flt disapproving substitution of TENNESSEE for CALIFORNIA in conducting gun firing test.L
Bu Eng	128 10/19	To Co California	Repair of loud speaking telephone system- Winkler Reichmann Co- L R
593846	10;27	M IS	Reqt addtl transportation be allowed Winkler Reichmann Co representative in connection with adjustment of loud speaking telephones on.L Fwd S&A cc MI 11/10 S&A- Copy action to Winkler Reichman Co.11/15 L
582813		fwded from card 8	To C&R Plans of voice tube instln recommended for appvl 12/1 L C&R-Cpy action to Mare Isl. 12/13 L

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CALIFORNIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
616610	3/29	MI	Omission of cease firing contact maker-bridge and gong- subm estimates of increased cost. L To MI Estimate appvd 4/12	
610114	4/8	To S&A 17	Reqst shipment of Tel system from Chicago to SO San Pedro L	47-B-4
620237	4/19	MI	Addition of broad side director station 3-fire control telephone system- estimate of increased cost. L To MI estimate appvd 5/5	
620238	4/19	MI	Addition of broad side director station 2-fire control telephone system- fwds estimate of increased cost. L To CO estimate appvd 5/5	
620239	4/19	MI	Addition of broad side dirctor station 4-fire control telephone system- subm estimates of increased cost. L To MI Estimate appvd 5/5	
620241	4/19	MI	Addition of circuit for fire control telephone system- estimates of increased cost. L To MI JOINT estimate appvd 5/6	

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[OVER.]

CALIFRONIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
614755	3/17	Mare Isl.	Instln of addtl spare fire control telephones- estimate of increased cost. To MI-Appvs estimate 4/1 L Dn	L
615425	3/22	MI	Addition of engine order telegraphs in conning tower- estimates of increased cost. JOINT—To MI Estimate appvd 4/6	L
615422	3/22	MI	Additionof smoke telegraph- estimates of increased cost. JOINT To MI Estimate appvd 4/7	L
615430	3/21	MI	Omission of engine revolution telegraph from engine rooms - estimate of increased cost. JOINT To MI Estimate appvd 4/6	L
616611	3/29	Mare Isl.	Addition of dead reckoning tracer system- estimate of increased cost. JOINT---To MI Estimate appvd 4/13	L

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CALIFORNIS INT COM SYS 1922

Number.	Date.	From or To—	Subject.
622555	5/5	MI	Omission of thermostat at boilers on emergency fire room signal system- estimate of decreased cost. L To MI Estimate appvd 5/20
622554	5/5	MI	Addition to fire room telegraph system- estimate of increased cost. L To MI JOINT Estimate appvd 5/23
622553	5/5	MI	Addition of Forbes log indicator system- estimate of increased cost. L To MI JOINT Estimate appvd 5/23
624926	5/23	Ordnance	Copy of letter to Pug Sd directing undertake Ordnance work listed L
624950	5/19	M.I.	Addition of telephone in lieu of voice tubes in distribution rooms. Estimates of increased cost LD To MI Estimate appvd 5/29

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[OVER.]

CALIFORNIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.
620242	4/19	MI	Addition of broad side director station at fire control telephone system. L To MI estimate appvd 5/5
620235	4/19	MI	Addition of circuit 2-J-X- fire control telephone system- estimate of increased cost.L JOINT To MI Estimate appvd 5/6
620234	4/19	MI	Combining circuits 1-J-Y and 2JY telephone system- estimate of increased cost. L To MI JOINT Estimate appvd 5/6
622415	5/4	M.I.	Addition of oil pressure telegraph sys. Estimate of increased cost L To MI JOINT Estimate appvd 5/23
622416	5/4	M.I.	Addition of indicators. Estimate of increased cost L To MI JOINT estimate approved 5/23

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CALIFORNIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.
625820	5/23	MI	Addition of return call for tubes- estimate of increased cost. L To MI Estimate appvd 6/9
626892	6/2	Mare Island	Addtl loud speaking telephone bridge conning tower and central station to steering room. Estimate of increased cost. L JOINT To MI estimate appvd 6/17
626893	6/15	To MI	Machy change No 61 estimate appvd due to instln of Annunicator in main control room L Dn
626895	6/2	M.I.	Addition of loud speaking telephone in secondary conning station to steering room. Estimate of increased cost. L To MI JOINT Estimate approved 6/17.
627608	6/5	M.I.	Addition of loud speaking telephone. Estimate of increased cost. L To MI JOINT- Estimate appvd 6/24
1 627760	6/8	M.I.	Additional of two complete sets of shaft revolution indicator systems. Estimate of increased cost. L To MI- estimate appvd 6/23 To MI JOINT estimate appvd 6/26

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[OVER.]

CALIFORNIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
624949	5/19	M.I.	Installation of ships service telephone system. Estimate of increased cost LB To MI Estimate appvd 6/2	
625795	5/24	MI	Omission of return calls for voice tubes- estimate of decreased cost. L To MI Estimate appvd 6/9	
		-----JOINT		
625796	5/24	MI	Omission of return call for tubes- estimate of decreased cost. L To MI Estimate appvd 6/9	
625817	5/23	MI	Omission of return call for conning tower branch of voice tube - estimate of decreased cost. L To MI estimate appvd 6/9	
625818	5/23	MI	Addition of return call, conning tower branch of voice tubes- estimate of increased cost. L To MI estimate appvd 6/9	
625819	5/23	MI	Omission of return call, distribution room, and branches to tubes- estimate of decreased cost. L To MI Estimate appvd 6/9	

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N.S.E. Form 134.

CALIFORNIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
634594	7/19	Pac Fleet	Submits part of report of inspn of fire control material L Fwds Ordn cc Pac Fleet- C 8/5 Pac Fleet 8/17 Fwds corres submitting recommendations rel to alterations to fire control generators L To C-I-C Pac Fleet- Desires standard arrangemt 9/2 L cc Navy Yds and ships.	
TO CARD	14	Shipment order 9/9 (1052) RB 3/16/23 L	To P&A Reqst shipment of current supply from MI to Ships listed 1052 9/9 RB 11/21 L Pac Fleet 9/11 Copy action for Battleship Squad 4. L	
634750	7/24	Pug Sd T	Request approval of arrangement of anti-aircraft telephone & salvo circuits in accordance with Bureau instructions L To Pug Snd (T) Approved 7/27	
635034	7/26	Pug Sd. (T)	Request auth to relocate rudder angle indicator in starboard fwd corner of fire house.L To Pug Snd (T) Approved 7/28	
656815	8/7	Pacf. Fleet Copy	Request additional availability of vessel to relocate turret rammer control switches.L	

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[OVER.]

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CALIFORNIA INC CON SYS 1922 13

Number.	Date.	From or To—	Subject.
627766	6/8	M.I.	Omission of voice tube calls. Estimate of decreasing cost L To MI estimate appvd 6/20
627767	6/8	M.I.	Addition of speed flag tele and emergency signal. Estimate of increased cost. L JOINT- To MI Appvs estimate 6/25
627768	6/8	M.I.	Addition of combining torpedo defense and anti-aircraft salvo system. Estimate of increased cost L To MI estimate appvd 6/23
627769	6/8	M.I.	Addition of 28 loud speaking telephones. Estimate of increased cost L To MI JOINT- Estimate appvd 6/24
631057	5/31	CO	Install pilot lamps in main control room and bells and buzzers in main control contol. L To USS CALIFORNIA- Disappvd 7/13 L Db

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N. Eng. 134

CALIFORNIA INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
634594-	FROM CARD	13	Pacf Fleet- Sperry fire control system reports on test of 10/20 To C-I-C Battle Fleet- Fwds reports cc bat Fleet- CO's NEW MEXICO TENNESSEES and CALIFORNIA 1/6/23	
655064	12/26	S&A	Copy of telegram to Navy Supply Depot directing ship meters to vessel L	

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[OVER.]

Number.	Date.	From or To—	Subject.
637105	8/9	Dept	Copy of telegram to Pacf Fleet making vessel available at Pug.Sd. for relocating turret rammer control switches and furnishing boiler control outlets. L
641682	9/21	to MI JOINT	Change- voice tube changes due to omission of four Searchlights- appv& D
643631	10/4	To MI JOINT	Drip pans under the turret overhang and portable Trolley tracks in Turrets for returning shells to Aux shell hoist during drill appvd D
644099	10/7	To MI JOINT	Change-mechanical telegraph for powder passing scuttle in Bulkheads between Lower handling rooms of turrets and magazines- a approved D

CALIFORNIA: INT COM SYS

Number.	Date.	From or To—	Subject.
505152	7;12	NY	Copy of letter to M IS in connection with shipment of desk push button for call bell system.L
505154	7;12	NY	Copy of letter to M IS in connection with shipment of target angle transmitter system.L
505153	7;12	NY	Copy of letter to M IS in connection with shipment of contact makers for salvo system.L
505864	7;17	M IS T	Request telephone leaded and armoured cable be shipped at once.L To S&A. Reqst Shipmt of Cable from Ports to SO MI 3748 7-19 RB-8;16-L RB-10;11-L To MI RT) Reqst Ports Supply at once 7-19 To M.I. fwds enclosures 8-14
506788	7;21	M IS T	Request ship at once plain cable urgently needed.L To S&A. Reqst shipmt of plain cable from Phila to SO MI 3796 7-22 RB-8;12- To MI Advises re shipmt of Telephone cable 7-23 S&A-copy of action to Phila-L
507307	7;22	Dept	Copy of letter to C&R directing install Eversheed and Chadburne gear on board.L

N.S.E. Form 134.

592-4: CALIFORNIA: INT COM SYS:

Number.	Date.	From or To—	Subject.	
508091	7;22	M IS	Copy of letter to NY requesting 20 tool contact makers be shipped. L	
509375	8;2	NY	General annunciator loud speaking fan system- fwds prints. L To NY. appvl of plans 8/10 cc M1	
493351	from card	4	To NY. Reqst obtain detailed info from C&R rel loca ionand arrangement of this compartment. L 8/17	
512861	8/16	Mare Island	Forles log indicator system- copy of letter to N.Y. asking date of shipt. L	
512862	8/16	Mare Island	Fire control jack boxes- Copy of letter to N.Y. asking date of shipt. L	
512863	8/18	Mare Island	DP DT switches- copy of letter to N.Y. asking date of shipt. L	

CALIFORNIA: INTERIOR COMMUNICATION SYSTEM. -1920-

Number.	Date.	From or To—	Subject.	
472458	1/27	NY	Recommends authorize omission of action cut out switches on boat hour gong system - L To IM NY approves recs. Req mod of plan 2/2 ~~Sixx2;16~~ NY-diagrams of boat hour gong system-fwds prints-2;16	
475753	2;12	NY	~~Smoke telegraph system-fwds prints.L~~	
451831	2-19	N.Y.	Range and deflection system for TENNESSEE and CALIFORNIA; fwds prints;	647
486603	4-10	To C&R	Location of Broadside Directorscope - Reqts detail information re location of fire control stations. L C&R-torpedo defense station and cage mast types-fwds prints-4;16-L	
493551	5/13	NY-ask location of comm office on.8.9-L NY	Ship service telephone list - fwds print - L To I.M. NY Plan disappvd. 5-18.	
5		NY-fwds modified print of ships service telephone list 1-6;16 To I.M. NY Plan appvd 6-19.	NY-ship telephone ~~xxx~~list-fwds prints-6;9-L ~~NY-fwds prints showing standard bulkhead boxes-6;21-L~~	
493555	5/13	NY	Fwds prints showing officers calls - L To I.M. NY Plans appvd 5-18.	
499746	6;10	H.S.Haslip (?)	Copy of letter to NY asking if 2 light indicators for emergency fire room signals shipped.L	

N.S.E. Form 134.

592-4: CALIFORNIA: INT COM SYS:

Number.	Date.	From or To—	Subject.
500408	6;14	M IS	Copy of letter to NY requesting info as to what action has been taken rel to supplying check fire and salvo signal sys apparatus.L
500938	6;22	NY	Officers call bell system-fwds wiring diagrams.L To I.M. NY Plan appvd with comment CC M.I. 6-26.
500959	6;22	NY	Wiring diagram of loud speaking telephone system-fwds prints.L To I.M. NY Plan appvd with comment-mod CC M.I. 6-26.
NY-resubmits prints-7;9-L			
501823	6;26	NY	General arrangement of appliances in int communication room-fwds prints.L To I.M. NY Plan apvd CC M.I. 7-6.
502358	6;23	M IS	Copy of letter to NY requesting place shipmt of flush deck push buttons for call bell sys.L
502356	6;23	M IS	Copy of letter to NY requesting institute tracer covering contact makers for salvo system.L
502587	6;30	C&R	Copy of letter to M IS approving voice tube modifications.L
503860	7;6	NY	Proposed arrangement of communication circuits-fwds prints.L To IM NY Reqst alt be made and cc altered plan fwd to MI CC MI 8-2 To IM NY appvd with mod 7-16 CC MI
NY-fwds revised prints of radio telegraph arrangement of connecting circuits-8;9-W			NY-proposed arrangement of radio communication circuits-fwds prints-7;29-W&L cross to 6

CALIFORNIA: INTERIOR COMMUNICATION SYSTEM. 1919

Number.	Date.	From or To—	Subject.
432142	7-14 N Y 10-18	To I.M. Ny Submits estimate.	Changes in interior communication systems due to change of vessel to Flagship. L copy to Comdt Mare Island. To C&R. 7-15 NY-request nomenclature of radio stations on vessels-(Cross to 6)
434284	7;19	C&R	Recommends additional loud speaking telephones for installation in TENNESSEE be recommended for CALIFORNIA in magazine. L Fww I.M. Ny- copy to M Is and C&R. 7-26-RB-8;11
435142	7;25	C&R	Copy of letter to NY regarding changes in voice tubes. L
~~437905~~	~~8;6~~	~~NY~~ void	~~Progress report. D~~
442375	8/14 8/25	M Is NY	Ask if delivery of Forbes speed indicator has been made - L Fwd S&A. 9-20
444307	9/6	NY	Warning signal howler system - fwds prints-L To I.M. Ny- Plans appvd subject to minor modifications. 9-18 copy to Mare Island. NY-fwds wiring diagrams-10;3
NY SE 100	1/26	To NY	annunciators for TENN and CALIFORNIA/ L R

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N.S.E. Form 134.

CALIFORNIA: INTERIOR COMMUNICATION SYSTEM. 1919

Number.	Date.	From or To—	Subject.	cross to
448318	9/29	NY	Call bell system for Tenn and Cal, fwds prints. L.	768
453821	10-24	C&R	Copy of letter to NY directing install pneumatic voice tubes.	L
455912	10/22 11/4	M Is C&R	Ask if Forbes speed indicators are to be removed - L fwd C&R 11/10 cc to MI	
457420	11/13	To Ordnance	TENNESSEE and CALIF. Genl arrangement plans. Fwds for comments. Reqst expl action. L. To C&R fwds 11/13. To Navgn fwds for comments 11/13.	573-4
463767	12:15 NY - air lock indicator system-fwds print - L	NY	Contact makers for air leak indicators asks if will retain once approved.L To I.M. Ny- type of contact maker not desired. copy to Comdt M Is. 12-23	
464860 To Inspr FR- 1-23	12:15 To M Is.	M IS Systems listed appvd. 1-13	Method of tagging ic wire terminals fwds prints for comment.L Inppr FR-1;15	
465523	12:13 To M Is.	M IS. 12-30	Request instructions in connection with what type of turret ammunition indicators should be installed on.L	

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[OVER.]

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1917

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CALIFORNIA: INT COM SYS

Number.	Date.	From or To—	Subject.	
239877	7/23	To M.Is.	Fwds list of loud speaking telephones prepared by Western Elec Co. L	
246636	9/1	To M.Is.	Lists changes auth in fuel oil burner control system. L M Is - 10/20 L To- NY Yd will prepare necessary plans. 11-8	
3234-1/2	3-19	Winkler Reichmann Co.	Fwds prints for bud speaking telephones on CALIFORNIA & TENNESSEE. L.	706.
335388	8-10	To M Is	Rqst that wheatstone bridge to be furnished L	
36851	10/1	Chicago	Brass for telephone for CALIFORNIA--Winkler Reichman Co rqst higher priority on Scoville Co	629
378767	12-21	NY	Aks name of firm to whom contract covering loud speaking telephone system was awarded	W
379767	12-31	To NY	Fwds. 1 compl. set of vandykes of plans listed approved for CALIFORNIA.	

NB—0120

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N.S.E. Form 134.

CALIFORNIA: INT. COM. SYSTEM.

Number.	Date.	From or To—	Subject.	
383400	1-10	To NY	Author installn of torpedo firing contact makers, on TENN and CALIFORNIA	
4316	2/24	To NY (T)	Reqst be advised if claims suitable for installation on CALIFORNIA also quantity of each item on hand undelivered L+S	629
4316	3/13 3/14	Mare Island (T) S&A	Requ auth to purchase locally steel required for cable hangers for installation on CALIFORNIA L 629	
410484	4/11	NY	TENNESSEE & CALIFORNIA asks if work on fire control system will be held up till changes are determined L. To I.M. Ny- Desires that plans for fire control be not developed at this time. 4/19.	573-4
414519	4/25	NYS	CALIF. & WASH. gun firing and director firing sys fwds prts. L.	45-B-4
416545	5/6	NY	States omission of warning signal system, etc will modify loud speaking telephone - asks type of interupter to be used - L To I.M. Ny- Installation of inte rupter and boat hour gong to be installed as originally intended. copy to Comdt Mare Is.	5-13
417054	5-7	Winkler-Reichmann Co.	States tracing loud speaking phones - L To- Fwds appvd plan. 5-19	

NB—0120

[OVER.]

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1916

CALIFORNIA: INT COM SYS.

Number.	Date.	From or To—	Subject.	
184656	4/12	C&R	Change in, omission of after torpedo room: prints	573-4
189093	5-26	To M.Is.	Dept auth omission of engine gong pulls from central station. L	
191709	6/23	Dept	& NEW MEX CLASSES; omission of wire for battle tracer system approved	554-4
~~198430~~	~~9-6~~	~~TO Ord-Nav~~	~~Pwds int com type plan~~	573-4
200762	9/30	To M.Is.	Gun firing. Reqt capacity of gun firing motor generators and transformers be changed. 9/30	
202003	10/11	Navgn	Comments on I-C type plan	573-4
201556	10/12	To M.Is.	Auth install of Smoke tele system on. Reqt est and plans. L	665-19
~~208769~~	~~11-22~~	~~NY NEW MEXICO~~	~~Sound proof booth for voice tubes; and telephones; est inc cost; C& R recommends be extended to MISS: IDAHO: TENN: CALIF.~~	554-4

NB—0120

N.S.E. Form 134.

CALIFORNIA: INT COM. 592-4

Number.	Date.	From or To—	Subject.
214988	2-2 2-16	M.Is C&R	Asks if voice tube and cal l bell station to be installed in bow.L Fwd C&R 2/21
219786	3/28	To M.Is.	Dept has appvd instal l of Cory type loud speaking telephones on. L
229661	5/23	To M.Is	Dept has appvd install of shaft revolution indicator system on. LN
230931	5/31	To M.Is.	Fwds Vandyke showing arrgt of instruments in conning tower. L
233403	6/13	To M.Is.	Target bearing, target turret and multiple turret indicator system. Fwds Vandykes. L To--Fwds Vandyke. 7/5
234093	6/9	M Is	Request voice tubing be expedited L
238277	7/14	To M.Is.	Fwds Vandyke showing arrngt of instruments on bridge.7/14 L

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.
637825	8/18	To MIJOINT	Change- signalling searchlights substituted for semapheres D appvd
638253	8/16	Pug Sd T	Request auth to issue two mirrors for 36" GE search light L To Pug Snd (T) approved 8/19
652115	11/28	Pug Snd	Battery storage for auxiliary steering gear power in compartment D-3-15 Fwds prints L To Pug Snd- appvs plan 12/8 C&R 12/18 Rqsts action of L Fwds C&R 1/3/23 RB 1/11/23 L
653301	11/28 12/6	CO Pac Fleet	Change in location of speed light made L

Number.	Date.	From or To—	Subject.	

592-5

CALIFORNIA ELEC LIGHT AND POWER 1922

16

Number.	Date.	From or To—	Subject.	
627523	6/22	To CO	Indicating lights for engine room elec auxiliaries instln authd cc C-1-C Pacific Fleet- Squad 4 Pac Fleet- Pug Snd L D B Pacf. Fleet- Fwds letter from CALIFORNIA with diagram for indicating lights and alarm system. 7/17 L To CO- Instln disappvd Gives Action 7/29	
627524	6/24	To Pug Snd	Connections for power supply to Steering gear Motors to main drive auxiliary buses Fwds prints cc C-1-C Pacific Fleet- - CO- C&R L D b To Pug Snd- Cancels instrns 7/12 LDb cc Pac Flt Squad 4, CALIF C&R	
627765	7/6	To M.I.	Change in Machinery. LDn M.I. 7/17 Fwds estimate of change in cost L To MI JOINT- estimate approved 8/8	
632368	7/14	To West E&MCo	Request estimated cost for delivery of West Coast of condensing & non-condensing rotor for TENN & COLORADO L To GE Co Request estimated cost for CALIFORNIA, MARYLAND, WEST VIRGINIA, MISS. & IDAHO L	$60

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CALIFORNIA ELEC LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
633601	7/21	To Inspr Schenectady	Fwds letters on Gen Elec turbo generator sets for CALIFORNIA MISS IDAHO L	660
634771	7/18 7/25	Puget Sound C&R	Addition 24" signal searchlight on bridge. Fwds print showing porposed location L Fwds C&R 8/4	
635392	7/28	Pug·Sd. (T) Void see 620405-592-19	Request approval of Pug·Sd. plan cov over haul of motor driven feed pump storage battery. L	
636007	8/8	To NY	NEW MEXICO, TENNESSEE, CALIFORNIA, COLORADO, WEST VIRGINIA, battery charging switchboards for steering power battery manufacture of— Reqsts inform L	660
636009	8/8	To Dept via C&R	MARYLAND, CALIFORNIA, TENNESSEE, NEW MEXICO instln of addnl storage batteries for steering requests authy L	607

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[OVER.]

CALIFORNIA ELEC LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
622556	5/5	MI	Instln of storage batteries for auxiliary storage batteries for auxiliary steering motors,- estimate of increased cost. L To MI JOINT Estimate appvd 5/23	
624954	5/19	M.I.	Installation of combined man overboard break dome & peak lights. Estimate of increased cost LD To MI JOINT Estimate appvd 6/9 M.I. 8/18 Submits estimate of decreased cost L To MI Estimate appvd 8/26	
624953	5/19	M.I.	Installation of aux lighting in magazines & shell rooms. Estimates of increased cost LD To MI Estimate approved 6/9	
626893	6/2	MI	Instln of 8 drop annunciators in main control room estimate of increased cost. L	

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CALIFORNIA ELEC LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
626894	6/2	MI	Addition of electric heater and pump room. Estimate of increased cost L To MI estimate approved 6/20	
627209	5/3 6/8	Pac Fleet Dept	Report of board covering recent casualties to machry instlns on BY	592-8
627765	6/8	M.I.	Instln of two 12" arc signal search light. Estimate of increased cost L	
627770	6/8	M.I.	Omission of power feeders to search light. Estimate of decreased cost L JOINT----- To MI Estimate appvd 6/23	

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[OVER.]

CALIFORNIA ELEC LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.
614756	3/17	MI	Instln of addtl motor generator set for telephone current supply- estimate of increased cost. L To MI Estimate Approved 3/29
615550	3/21	Pug Sd	Copy of letter to Inspr G.E. acknowledging receipt of revised drawings of 300 KW turbo generator sets L (2 letters)
617243	4/5	Norfolk	Copy of letter to Inspr G.E. acknowledging receipt of revised drawings of 300 KW turbine generator sets L
617310	4/11	To MI	GE Co Turbo Generator Sets- Condensing and non-condensing- Finished plans L M.I. 4/6 L Fwds Inspr mat GE cc MI 5/13 RB 5/18 L Fwds MI 5/27 RB 6/14 L Fwds Inspr mat GE 6/20 RB 6:24 L To MI- rel plans cc Inspr GE 6/21 Fwds MI via CO 6/27 RB 8/22 L CO 8/10 L To MI-- shld missing box be located instrns will be given upon notice of same 8/24 M.I. 9/13 L

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CALIFORNIA ELEC LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.
619150	4/21	To CO	General Announcing Telephone System--~~Fwd~~ Gives status of shipment cc NY- MI 4/21 L
589792	see card 13		To NY 24-inch signal searchlights report on Service Ability of Arma and General Electric Types 4/26 L To S&A-- returns rqn 6/9

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[OVER.]

CALIFORNIA: ELEC LIGHT AND POWER:

Number.	Date.	From or To—	Subject.	
577237	7;21	M IS	Copy of letter to NY reqting spares for 24 inch Arma searchlight be returned.L	
577667	7/30	To Comdt MI	Bu will prepare shipmt order for Signalling lights 7/30 L	
578449	8/1	To S&A 8375	Rqsts shipmt of Sig lights from Phila to MI 8/1 L	
585998	9/9	MI	Lubrication of 300 KW generating sets- estimate change in cost L	
MI 219	10/5	To MI	Aldis Signaling Equipment- Gives Action	L R
589792	10;5	Pac Flt	Reqt issue of two GE 24 inch high power searchlights to vessel for signal purposes.L	
	New York	4/20 L	Pac Flt-T-information relative to searchlight equipment necessary-10;10-L To C-I-C (T) Gives inform rel lights- instln of 10/12 Pac Flt-reqt reconsideration-no date-L To C-I-C Pacific Fleet- Gives Instrnscc CO 10/28 To S&A Reqst shipmt of lights from Pug Snd to SO Ship 9119 11/4 Pacf Fleet- Fwds reports. ? L Fwd NY 12/24 RR 7/27/22. L New York 1/12 L S&A Request action. 1/23 L To S&A Reqst shipment of light from NY to Pug Snd 9654 2/4 Fwd S&A 2/10/22	

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592-5: CALIFORNIA: ELEC LIGHT AND POWER: 1921

Number.	Date.	From or To—	Subject.	
593989	11;2	Cutler Hammer Co	Lubricating oil pump motors for-fwds prints showing design of.L	
594684	10/19 10/31	CO Pacf.Fleet	Recommends test of 300 KW generator and exciter be waived. L To CO via C-I-C Pacific Fleet- Squad 4 detld inform rel test cc NY 11/15	Gives
594183	11;2	NY	Method of connecting lubricating oil pump equipment fwds prints D To Ack receipt of plan gives comments cc CO- MI 12/9	
602080	12/23	MI	Ask when set of spares for generating set will be made. L Fwd NY 1/18 N.Y. 2/13 L To MI- Gives status of Inform rel turbine parts 3/13	
610429	2/17	General Inspr	Fwds report of board rel to decreased cost due to omission of water rate test on 4 300 KW turbo generator sets. DL To Navy Disb Officer-fwds report-2:24-Ke To GE Co-via Inspr-approves-2:25-Dn	

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CALIFORNIA; ELEC LIGHT & POWER 1921

Number.	Date.	From or To—	Subject.
544969	2/9/21	To MI	Power System; Wiring for Radio Addn authd cc IM NY L
551701	3;14	NY	Resubmits prints of 3LL kw non condensing turbo generating sets.L To IM NY Ack receipt of print 3/25
502132		SEE CARD 11	Fwd Inspr GE re Turbo gen sets cc CO 3/19 L To Pug Snd (T)Gives shipping RB-3;22-L instrns cc CONEW MEXICO IDAHO MISSISSIPPI Comdt NY 3/25 To CO Reqst nform 5/20 CO NEW MEXICO 11/10 L
554869	3;31	M IS T	Request auth to instal indirect lighting fixtures on similiar to those installed on TENNESSEE.L To MI (T) Authy granted install ceiling fixtures 4/3
555417	4/5	To MI	Fwds Instr n Data for Operating Kilowatt G E CO Generator Sets cc IM NY Inspr GE Co L M IS-fwds prints of instrn sheets-6;15-L To MI Plan appvd cc Inspr GE IM NY 6/28
555815	3/13	MI	Ask when shipts of arma schlights may be expected. L Fwd NY cc Inspr Proom MI 4/13 RB-4;27-L To MI Gives nform 4/30

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N.S.E. Form 134.

592-5: CALIFORNIA: ELEC LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
			Inspr GE-fwds prints of nameplate drwgs-5;23-L
557787	4;14	NY	Engine room switchboard-fwds prints.L
Inspr GE-4;27-L			To Inspr GE Rqst Inform re ~~phase~~ plans cc IM
To nspr GE 5/3			NY L 4/23
558439	4;9	M IS	Fwds sketch showing desired arrangement of signal lights-ask if will approve.L
To MI (T) Reply with prints fwded 5/16 5/14			MI- 5/14-(T) Rqst action. L
			M IS-Rqst action-5;7-L
			To MI Plan Requested- instl n appvd cc IM NY 5/16
559965	4;21	M IS	Request progress report on experiments of front door lenses for 36 inch high intensity searchlights.L
564863	5/28	To Inspr GE	Engine room D.C. Switchboards: Desires omission of fuses in potential coil circuit of reverse current feature of generator- cc MI L D
			Inspr GE-fwds GE Co drwg-6;28-L&D
569151	6/11	To MI JOINT	Hydraulic Steering gear-Safety Device for Plans appvd
571844	6;18	M IS	Reqt copy of instrns for operation and adjustment of evershed searchlight control system.L
			Fwd IM NY 7/2 RB 7/15
			NY-fwds descriptive matter covering searchlights-7;20-L
575800	7;22	M IS T	Ask when shipment of searchlight dome doors will be expected.L

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CALIFORNIA: ELEC LIGHT & POWER 1920 11

Number.	Date.	From or To—	Subject.	
509739	8-6	To Operations	Relocation of gun and schlt directors. L copy C&R Ordnance. Reqst info rel decision made. RB-8;12-L Fwd Ordn via C&R ' 8/13	
511720	8/16	Dept	Copy letter to C&R designating CALIFORNIA as vessel to carry out tests of stresses in turrets due to gun fire; L	647-5
5111969	8/24 To L. NY Plans appvd with comments 1/29/21	To NY	Auth changes in elec instaln L NY-will submit revised plan & est-9;4-L NY-resubmits print-12;10-L NY-resubmits prints-2;13-L	
502132		fwded from card 10 To nspr NN Reqst inform listed cc nspr- Ge. IM NY 11-13 To L. NY Plans appvd cc nspr GE- L.I. 11-23 NY-11;20-L To N.Y. 11/30 nspr Newport News-Fwds prints of 300 KW sets. 12/28 L NY-copy of action to Inspr GE-12;30 NY-1;20-L	Inspr GE-will test this week and ship first half of September-8;30-L To Inspr GE. Reqst shipmt be made at early date C L NI 9-1 Inspr GE-10;9-L Inspr GE-11;3-L N.Y. - Split of keys for compensating sets. Fwds prints. 11/12 L To CO Ask to be inform when governors i stld and satisfactorily tested cc CO-MISSISSIPPI IDAHO Pac Battleship Force-3;3-L Inspr L.I. 11-13	
518861	9;22	Inspr GE	Generating set tracings-request sample print showing how same are to be numbered. L To Inspr GE. Gives detld inform 9-27	
521798	9;27 10;8	Inspr Westinghouse NY	Condensate pump motor bearings-fwds prints. L To IM NY Plans appvd with com 10-14	

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N.S.E. Form 134.

592;5: CALIFORNIA: ELEC LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
524622	10;20	Inspr GE	Copy of letter to contr in connection with new ring type emergency governor for 300 kw turbo generator sets.L
525175	10-26	To Solicitor	Reqst authy to instl portable signaling search-lights L RB-approved-10;29-L To MI re instln signaling lights cc IM NY 11-8
525961	10;28	M IS T M IS-T-reqt action-12;23-L M IS-T-reqt action-1;11-L To MI (T) arrangement appvd 1/12/21 To MI Fwds cc let 12/21 1/14/21 M IS-fwds prints-3;22-L	Fwdx battery charging panel furnished does not conform to drawings-can not be installed.L To MI Rearrangement listed authd; action satisfy cc C&R. 11-1 M IS-recommends no change be made in present arrangement-12;7-L To MI appvd cc C&R- IM NY 12-22
529017	11/11	N.Y.	GE Co. - AC meters -fwds prints showing test.L
530295	11;18	NY NY-recommends reconsider instrns 12;11-L NY-action cut-out switchboard-fwds prints-1;7-L	Action cut out switch-fwds print.L To IM NY Plan appvd with comment 12-6 NY-reqt action-12;4-L To IM NY disappvd 12-28
534215	12;10	NY To IM NY Plan appvd 1/18/21	Sleeve for emergency governor for 300 kw turbo gen set-resubmits prints.L To IM NY Reqst inform 12-21 NY-1;12-L
540840	1/14	Bd on Changes, GE To G E Co via Inspr Fwds report appvd 1/24	Instln of 2 instead of one condenser, 300 KW excitor set in each engine room-estimate of increased cost.C. D. Fwd Solicitor 1/19 RB 1/22/21

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CALIFORNIA ELEC LIGHT AND POWER 1920

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Number.	Date.	From or To—	Subject.
495018	5-24	To Inspr GE	Reqst complete list of meters proposed for instaln and number of each type and location, & Svc. L. GE - 5/27 - L
499556	6;10 To M.I. Advises will take matter of corr switchb ard drawing to cover feature with NY CC I.M. NY 7-1. To I.M. NY Reqst corr cc of plan be fur Bu and M.I. CC M.I. NY-resubmits prints-7;9-L	M IS	Submits ~~recommendations covering changes~~ in fwd distribution switchboard-L&D To M.I. grants authority to provide instln-- CC I.M. NY 6-17 7-1 NY-fwds prints-6;25-D
500648	?? ~~Mo IS~~	M IS	Copy of letter to NY requesting progress in shipping panels and boxes for submersible power control system-D&L S&A-copy of action to NY-5;16
500825	6;17	M IS	Copy of letter to FSB directing expedite shipment of relays for magazine lighting.L
501180	6;21	NY	Fwds bulkhead stuffing box plans for M IS.D
502132	6;16 6;28 Ins pr GE-estimate of addtl cost of snare parts-7;29-L To Inspr GE. adv when shipmt expected	Inspr GE NY SEE CARD 11	300 kw condensing and non condensing turbo generating sets-fwds prints.L To IM NY Plan appvdCC Inspr NN-Ge CO IDAHO)MISS-N EW MEXICO 7-13
502357	6;25	M IS 8-25	Copy of letter to NY requesting progress report on shipment of panels for steering gear equipment.L

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N.S.E. Form 134.

592-5: CALIFORNIA: ELEC LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
502685	6;21	M IS	Copy of letter to NY asking where ammeters are to be installed.L
503025	6/17 8/20 7/2	CO Atlantic Fleet C&R	Request two platforms be installed on Navigators bridge and schlights be installed on same. L
506116	7;16	NY	Copy of letter to M IS stating panels for steering gear equipment shipped July 12th.L
507680	7;24	C&R	Copy of telegram to M IS stating Evershed and Chadbourne control gear is to be installed.L
508952	7;27	M IS	Copy of letter to Inspr Brookn requesting progress on shipment of bracket fixtures and berth lights.L
508953	7;28	M IS	Copy of letter to NY requesting expedite shipment of panels and boxes for submersible control system.L
509650	8;4	Inspr Brookn	Copy of letter to M IS stating lights inspected and shipped on July 10th.L
509727	8;4	NY	Fwds test records 300 kw turbo generator sets.L

NY-GE Co have been reqtd to expedite-L
NY-fwds prints showing water rate curve-6;1-L
4;13-L
To IM NY Reqst tests be fwd cc Inspr GE. 11-6
NY-12.2.L
Fwd IM NY cc Inspr GE 3/7

CALIFORNIA ELECTRIC LIGHT AND POWER

1919

Number.	Date.	From or To—	Subject.
442816	8/30	To Inspr GE (T)	Give twenty four hours notice of best time for Bureau representative to observe test CALIFORNIA turbo generators Y ~~Inspr GE-T-final test held Sept 18th.9;15~~
454831	10/31	To I.M. Ny	TENNESSEE & CALIFORNIA- Electric Heaters in 573-5 tops. Gives instructions for installation. L.
44379	12/12	Mare Is.	Ask correct serial numbers of frequency meters designed for CALIFORNIA & MONTANA: S L. 629
464073	12/17	New York	Cable joint, cable support, cable stuffing boxes,- fwds prints. L. To I.M. Ny- GE plans appvd. 12-22 NY-cable joint-fwds prints-2;12
CANCELLED SEE 285568-592-9			
			1920
470786	1-22	To M Is	Elec Installation. Weights. fwds sheets. L copy to I.M. Ny. L M IS-10;2-L
M IS-fwds prints showing weights of elec plant matl-2;11 cross to 2			
To MI	Gives inform re plan 2/26		To- MI Reqst plan be submitted 1/31/21
471737	1;24	M IS T	Ask if can use plans on hand for installation of power and light wiring in fwd part of decks 2 and 3.L To I.M. Ny- Reqts that the appvd lighting and power plans be fwded to M Is as soon as practicable. copy to M Is. 1-26

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CALIFORNIA ELECTRIC LIGHT AND POWER 1920

Number.	Date.	From or To—	Subject.	
472001	1/29	To Ny	& CALIFORNIA: Turret Auxiliary Power Panel. Gives modifications for plans. L	573-5
475303	2-12	To Inspr GE	300 turbo-generator sets. contract 26207. Reqts list of latest drawings with latest alteration number. L	
	Inspr GE-5;12-L To Inspr GE date set by GE is satisfactry.		Inspr GE-3;4 To Inspr GE- Reqts ecpect reply to Bureau letter of 2-12th. 3-8 To Inspr GE- Reqts drawing numbers and prints.	5-7
278585	2-27	:SEE CARD 8	To I.M. Ny- Form of register listed will be appvd. copy to Inspr GE. 2-27	
429155	3-12	To I.M. Ny(SEE CARDS)	Gives instructions for supplying of condensing and non-condensing rotors. copy to inspr GE and NNs. L	
	To NY 7/15 Inspr GE-11;24-L To Inspr GE Gives inform 12-3 To I.M.Ny Gives Instrns cc MI Inspr NYS- To NY 6/17/21 CO 6/27		To I.M. Ny- Spare parts list correct with exceptions noted. copy to Inspr GE and NNs. 4-21 NY-7;9-L	
482921	3;22	Ports T	M IS insists on ceiling fixtures in accordance with drawings which has been declared obsolete request instructions. cross to 689-16 and 675 To(T)-Furnish Mare Island 24 ceiling fixtures plan # and 26 ceiling fixtures plan # etc. 3-23 To Mare Island-Ports auth to furnish ceiling fixtures. 3-23	

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1921

CALIFORNIA ELEC LIGHT & POWER

Number.	Date.	From or To—	Subject.
429155		see card 8	To NY Spare blading material Nozzles Gives instrns rel- CC CO- CC MARYLAND Pug Snd Inspr NNs- GE Co 7/12 L To CO spare b;lading mat to be stored until further notice cc Comdt NY Pug Snd- CO MARYLAND Inspr NNs- GE 7/12 To NY Gives Action 7/16 NY-8:5-L To Comdt NY- No further mtl requied 8/13 L cc Inspr Schenectady, "est Elec Many Co

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
407791	4/1	Ins. GE & CALIFORNIA	Roter for governor mechanism will be delivered week of Apr 7 D.	554-9
363990	4-5	To Ind Mgr N Y	Power plans approved subjec t to modi-fications - L	
403717	4-30	To Inspr GE	Generator circuit breakers. Reqts to be kept informed as to the progress of development. L	
		To I.M. Ny- Auth test of circuit breakers. 5-6 RB 6;14 Fwd Inspr GE- 6-17 RB 6;27 GE - 7/11 To Inspr GE. appvd cc IM NY 9-1	GE - 5/2	
415055	4/29	Inspr G.E.	300 & 400 KW Turbo gen sets. Copy of letter to G. E. Co. reporting trouble with emergency strip on West Va. Md. and Cal. L.	660
415772	4;26	Mare Is.	300 KW turbine fwds test data in connection with gate valves in exhaust line (cross to 592- 20) D&L	
		Fwd I.M. Ny. 5-6 R B 5/14	To Comdt Mare Island- Valve to be accepted without further tests. 5-15 copy to I M N NY fwds print 5;23	

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592 - 5 CALIFORNIA: ELEC LIGHT & POWER: v 1919

Number.	Date.	From or To—	Subject.
278585	6-10	To I.M. Ny SEE CARD 5	Sheet Steel Resisters. Control equipment-Engine room auxiliaries. NY recommends GE Co be req. to make up 2 small sheet steel resisters 6;30 D&L Fwd I.M. Ny via Inspr GE. 7-9 - RB-7;21 N.Y. - (T)-Rqst approval of drawings cov control for dynamo condenser pump motors. 7/16 Inspr GE-fwds contrs comments.8;27
SEE CARD 9) 429135	7-1	To Inspr GE	300 kw Turbor-generator sets. Condensing. non-condensing-specifications.CALIFORNIA? MARYLAND, and WEST VIRGINIA. Reqts fwd. L copy to I.M. Ny. GE - fwds specifications 300 KW turbo generating sets - 8/2 To Inspr GE- Reqts additional sheets for specifications for turbo-generator sets be fwded. 9-9 copy to I.M. Ny. GE - reqst comment on delay of specifications - 11/1 GE-recommends auth delay-11;3 SEE CARD 9
403817	8-18	To Inspr GE (OVER)	Circuit breakers.Complete report desired covering both generator breakers and distribution board breakers. L NY-fwds report of test 526 on siggle pole circuit breakers mfgd by GE Co Co. Cross to 731-1 To NY- fwd copy of action on reprot 526 9/4 To GE Co - gives action on - 8/27 - L GE - 8/26 Inspr GE-states contractors will furnish 6 sets of plans for type c-k circuit breakers.9;4 To Inspr GE- Gives dimension and sizes for breakers/ 9-13 Inspr GE-10;16 To Inspr GE- Plan disappvd. 10-23

To I.M. Ny- Reqts that grid sections be retained at yard. copy to Inspr GE.9-9 R B 10-14

NY-fwds report of test 556 on grid rheostats furnished by Ge Company-2;20 cross to rheostats

To Inspr GE- Specifications will be fwded in short time. 11-5

Inspr GE-fwds specns and list of spares for 300 kw turbo gen set-11;24

To Inspr GE- 12-6 copy to I.M. Ny and Inspr NNs.

To I.M. Ny- Fwds condensing spaecifications. copy to Inspr NNs and Westing.12-12

NY-1;12

To I.M. Ny- Reqts prepare reqn to cover additional spare parts. 1-19 Inspr R B 1/26 R B 2/3

Inspr GE-fwds prints on circuit breakers-2;5

To Inspr GE. plan appvd. 2-12

NY - fwds lists of spare parts for turbo generating sets - 4/14 - L

NY-fwds spares parts list-5;12-L

NY-ask if spare parts list is apprvd-8;17

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CALIFORNIA: ELEC LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
351318	9/21	NY	Control room arrangement of copper and steel details - connections between generator switch and cables - fwds print - D To NY, Dwgs listed approved, 10-3	
363990 -	see card 8		GE - 3/24	
370709	11-22 12:13 1:10	To Inspr Gen ElectCO Ins. GE Insp. GE	Comments on Generator circuit breakers, L To Inspr GE- 12-17 To Inspr GE- Inform progress made in developing 4-pole time limit overload circuit breakers. 3-1	
over	To- Reqts reply to Bu letter of 3-1-19. 3-14			
370710	11-22	To M Is (T)	Inform bureau lates allowable date delivery M Is., generator switchboards California, L M Is-delivery of generating switchboard satisfactory - 11/24	
375380	12-5	G.E.Co.	Fwdsprint of lead and armoured cable in drill room L	
5 376735	12:7	NY	Lub. oil coolers for generating sets fwds plans L	
	To Mare Island- Oil coolers to be furnished in accordance with plans appvd. Westinghouse - 4/1 NY - 4/9 - 3-12		To NY- approves plan. GE Co 1/7/19 Mare Island 2-25 request authority to furnish additional lubricating oil coolers L To I.M. Ny- Plans appvd. 4-18 copy to Inspr GE	
	Fwds prints of lubricating oil coolers for generator sets - L			
390122	1:21 1:29	Ins. GE NY	Prints showing port and aft. eng. room switchboards Fwds. L&D To NY- Gives revision of plans listed. 2-14	

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CALIFORNIA: ELEC LIGHT & POWER PLANT

Number.	Date.	From or To—	Subject.	
391461	2;1	NY	Prints of propulsion control apparat D&L To I.M. Ny- Plans appvd with comment. 2-24	
297352 397952	2;25	NY	Main field switch fwds print L Lists prints appvd. 3-4 To I.M. Ny- Lists plans appvd. 5-27	
7 398459	2;27 trip modification for 300 KW Turbo generator sets- L (554-5) To I.M. Ny- Plans appvd. 7-30 copy to inspr GE.	NY	Outline of non condensing set and condensing sets fwds prints L&D To- Plans appvd as corrected by Bureau. 3-11 To I.M. Ny- Reqts revised plans be fwded. NY 7-14- Fwds prints NY 7-14- Fwds prints showing emergency Cancelled See 433572- 554 - 5.	
400375	2-25	Mare Island	Request furnish additional lubricating oil coolers L	
401143	3;8	NY	4" strainer for 300 KW turbo generating sets fwds print L To- Plans appvd. 3-14	
370709	3-31 To Inspr GE- Reqts expedite progress report on development of sample generator breaker proposed. 4-26	SEE OVER	To Inspr GE- Inform GE Co that circuit breakers are required by August 31st. Inform if can be delivered at an earlier date. L	

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CALIFORNIA: LIGHT & POWER 1918 6

Number.	Date.	From or To—	Subject.	
306310	5-10	NY	Fwds blue prints showing control room apparatus. L To New York, Re control Room Apparatus Approves same subject to comments, 5-23 To NY, commenting on main field switch 7-11	
312699	5-31	Inspr GE	Inspect turbo generators - 300 KW fwds.	L
313707	6-5	To Inspr Schenectady,	Re circuit breakers for turbo generator sets, and commenting on same, L	
313704	6/4	Inspr GE	Turbo generator tests- gives outline of-DR Fwd NY, 6-21 RB 7-1 To- Re Ommision of short circuit test 10-7	
319827 NY 8-26	6/21	NY	& TENNESSEE - signalling search light - asks if 24 inch will cause changes in searchlight panels - L To NY, authorizing installation 6-28 NY 7/9 To NY re cables for signal searchlights 7-16	
317004	6/19	To Mare Island	Ashlif orders for shafting for Battleship #44 (California) have been placed and with whom 7/10	

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N.S.E. Form 134.

CALIFORNIA: LIGHT & POWER. 592 - 5

Number.	Date.	From or To—	Subject.	
324598	7/6	NY	Arrangement of bus work for main generator terminals - fwds print - L To NY, dwg approved 7-11	
328054	7/18	NY	Main generator and motor cable terminals - fwds print - L To NY, dwg approved, 7-29	
329032	7-20	Inspr Mil	Controllers to be used for operating machine tool motors - fwds test record of. L	
339420	8/20	NY	Control room switch board; fwds plans - D R & L To NY, Listing approved dwgs, 8-31	
338187	8-18	NY	Fwds drawing of main motor outline - DR To NY, dwg approved, 8-30 NY - 12/31	

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CALIFORNIA: LIGHT & POWER.

Number.	Date.	From or To—	Subject.
261808	11/10 11/17 To-Your stand appvd. 3-14	GE NY	300 K W generating set - request change in test to shorten, etc - L To NY-11-22 FEB 13/11 GE - 11/10 M Is 11/28 - recommends against L To- Mare Island- Fwds copy of Bu letter 11/22 Inspr G E - Copy of corres on test of geared turbine outfits. L 2-19
267063	12/12	NY	Control switchboard arrangement - fwds plans - L To- Lists location desired made re interior communication instruments. 12-29
262 078	12-15	To GE	Generator and main drive auxiliary switchboards. Fwds marked copy of prints. Directs fwd corrected plans. 12-15 L D
269717	12-29	To NY	300kw generator set: Generator cables. Gives modifications for plasn. L
272909 Ins. GE 1;22 NY 28 generating sets L	1/9	NY gives wghts	Generator sets, 300 K W - fwds prints - L To- Plans ap vd with additions. 1-24 To NY, Rqsf advice re weights of turbo-generator, 6-17 NY - 12/31
278585	2-1 To- Plan appvd. 2-12 To I.M. Ny- 5-6 To I.M. Ny- steel grids to be given thin copper plating/ 5-12 5;31 NY	NY	Cont. handles for motor driven auxilaries in engine rooms fwds. prints. L To NY- Fwds ample punched steel grid for test. 3-10 NY fwds on sheet steel resisters for condensor equipment furnished by GE Co 5;2 L

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N.S.E. Form 134.

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CALIFORNIA: LIGHT & POWER.

Number.	Date.	From or To—	Subject.
281316	1-31	Insp. GE	NY Yard 2-12 Voltage range for 300 K. W. exciters. Fwds. copy of correspondence and curve. L. To NY- Appves accepting of 300 H.P. turbo generator exciter sets as they are. 2-19
282925	1-28 2-17	GE Co NY	Request payment covering generator sets. L
289278	2-16 3-13	Inspr GE NY	Switchboard drawings - fwds. L To- Desire another marked print. 3-27 To NY--Appvs plans with comment. 4/13 NY - Fwds blue prints showing alterations to wiring diagrams of switchboards. L 5-30 To NY, Approving dwgs re above. 7-8 To NY, re wiring details of switchboard 7-11 To NY, Rqsts propulsion machy switchboards, 8-30 To NY, changing dwg numbers 10-5
	NY - 9/26		To NY, Approves location of Testing pannels for control apparatus 10-7 NY Nov. 14 - Fwds prints and report L To NY, Comments re propulsion control apparatus, 11-26 NY 1;2
292148	3-23	NY	Motor leads - supports for. Fwds plans. To- Bakelite cable supports appvd. 3-30 NY- Supports for main generator and main motor leads. Fwds plans. L 4-16
293773	3/29	NY	Switchboard drawings - fwds - L
300360	4/11 4/21	GE NY	Main motor and generator cable BLACK HAWK - fwds plan - L

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CALIFORNIA: LIGHT & POWER.

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Number.	Date.	From or To—	Subject.	
207556	12-5	NY	Request drawing numbers for gen set plans.L To--Gives numbers. 12/15	
209806	12-27	NY	300 kw gen set; request approval of plans showing gage board.L To--Plan appvd. 1/2	
210813	1-5	NY	Gen sets; recommends same scheme in handling drawings be followed as used on NEW MEXICO.L To--Satis. 1/10	
210784	1/6	NY	Switchboard panels; copy of letter to Johns-Manville Co directing that connecting up of panels be held up pending decision	573-5

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2125 (o				
212509	1-22	NY	300 kw gen set; fwds outline plans.L To--Plans appvd. 1/31	
212554	1/30	To M.Is.	Dept has auth install of storage battery on for supplying power to an auxiliary steering motor. Reqt ests. LN	
213905	2/6	GE	Main generators and motors; instruments for; submits estimates inc cost; ~~recommends equipment~~ duplicate NEW MEXICO	552-9

NB—0120

N.S.E. Form 134.

CALIFORNIA: LIGHT & POWER. 592-5

Number.	Date.	From or To—	Subject.	
213644	2-2 plans 4/9 To--Plan appvd.4/12 To NY--7/18 NY 10/8 L	NY	300 kw gen set; outlines plan; fwds.L To--Plan appvd. 2/19 NY fwds revised plan 3-22 To--Ask reason for revising plan.4/2 NY states modification was made by the G E Co subsequent to Bureau's original approval of	
214302	2/12	To M.Is.	Desires to substitute for peak lights provided by specns a complete man overboard ~~and~~ breakdown and peak-light install. L	
214852	2/16	To M.Is. TURRETS	Encasing elec conductors in handling rooms, mine rooms and war head rooms. Directs be done.LN	
215641	2-21	C&R	TENNESSEE; CALIF; COLO; WASH; W.VA; rearrgt of rheostat rooms and battery charging station; print.	573-5
215012	2-16	NY TENN	& CALIF: type plan lighting in turrets; reqt.	573-5
217149	2-27 3-6	GE NY	Turbo gen sets; outline plans; request Bureau number for.L To NY--Gives numbers.3/13 219833 3-	
219833	3-21 3-25	GE NY	Compensators; 300 kw generators; fwds plan.L To-NY--Plan appvd.4/2	
223662	4/9 4/17	GE NY	Contract 26207, name plates for main alternators and propelling motors; fwds prints.L To GE via NY--Plans appvd.4/23	

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[OVER.]

CALIFORNIA: LIGHT AND POWER SYSTEMS. 1916

Number.	Date.	From or To—	Subject.	
184498	4/11	NY	Main switch and distribution boards; submits estimate for and request yard be given order to manufacture	554-5
185981	4-27	C&R	Elec auxiliaries same as TENNESSEE: .L C&R strike out motors for 5" ammunition hoist 1 and 2 5-18	
191884	6-27	To M.Is.	Specfns for electric plant: change 2 voltmeter motor-generating sets, type A, to read 2 direct reading ohmmeters: L	
192563	7/6	To C&R	Power system; fwds plan of power wiring system for comment	573-5
193451	7-18 To M.Is. GE--Will adhere to original plans. 2/5 To--Fwds plan of. 4/26 To GE--Fwds blueprints of. 4/25 M Is - 8/15 L	To M.Is.	Generator and mian drive auxiliary swtchbd and auxiliary panel for motor blowers; fwds prints of. L-D To GE-- Ditto. 7/18 To M.Is--Fwds add plan 7/29 To GE--Ditto. 7/31 To GE--Fwds triplicate blue prints of 1/18 To M.Is.--Ditto. 1/18	
193526	7-18	To M.Is.	Magazine fixtures: changes type of; submit reqn for new magazine fixtures and globes. L-N	
194740	7/27	C&R	Bacteriological incubators; request provision be made on lighting system for installing required 12° volt	573-5

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592 -- 5 CALIFORNIA: LIGHT & POWER SYSTEMS:

Number.	Date.	From or To—	Subject.	
194814	7-29	To M.Is.	Fwds print showing type plans for lighting system. L	
194826	7-31	To M.Is.	Type plans for power systems; fwds for guide in preparation of plans. L	
195103	8-9	To M.Is.	Distribution and switchboard; fwds prints covering. L To M.I. fwd s/ prints 8-21	
197943	8-30	To M.Is.	Fwds illuminating set and shore connection leads plans. L	
197942	8-30	To C&R.	Illuminating set and shore connection leads; fwds plans for. L	573-5
201572	10/2	NY	300 kw gen sets, turbo ends; fwds 154 prints.L To--Contrs plan appvd. 11/15 NY recommends approval of certain GE plans 12/6 To--Appvs. 12/11	
202325	10-13	NY	Main switchboard; request authority to make change in panel sizes	554-5
204538	11-3	GE	Asks whether lead covered or rubber covered cables shall be used from switchboard to various motors.L To--Desires that lead covered cables be used throughout. 11/15	
205487	11-10	NY	300 kw gen set; generator end; detailed plans.L To--Plans appvd with comment. 11/22	

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N.S.E. Form 134.

CALIFORNIA: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
235640	6/24 6/25	GE NY	Contract 26205 - request information relative to sizes and number of cables and position of terminals on switchboard panel L To NY--Gives infor.6/30	
237012	6/26 7/5	Insp G E NY	Generator panels - size of cable for L To NY--Infor fwded June 30th.7/9	
237782	7/9	NY	300 K W turbo generator sets - fwds prints showing outline L To-- Plans appvd.7/26 NY--9/19.L	
239584	6/29 7/19	GE NY	Switchboard and switchboard wiring - fwds prints L To NY--Gives action.8/1	
30487	8-2	NY	TENN & CAL said to allow extension of six months for delivery for fixtures for Lovell & Co. on TENN/ unable to submit rec for CAL	629
245522	8/25	To M.Is.	Battery charging panels. Fwds type plans of.L	

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CALIFORNIA: LIGHT AND POWER.

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Number.	Date.	From or To	Subject.	
225445	4/26	NY	300 kw non condensent turbo generating sets; fwds plans showing assembly.L To NY--Plan appvd.5/9	
225996	5/1	NY	Cont 26207, assembly of booster sets; fwds plan.L To--Appvs.5/10 GE - Fwds copy of GE Co's letter relative to booster sets 5/23 D To GE--Changes instrns.6/1	
227543	5/17	To M.Is.	300 K.W. Turbo generating sets. Re fitting with automatic pressure trip. L GE - 5/25 NY 6/2 - request instructions relative to automatic pressure trip S	
	To NY--Instrns.6/16			
229409	?	Ord	Auxiliary motors for turret elevating and training gears; fwds print	554-5
230371	5/5	GE	Contract 26407 - 300 KW generator and main drive auxiliary switchboard - fwds prints L To--Gives action on.5/30 To NY--6/11 New York 9/20.L To- 9-~~27~~ 26	
	5/25	NY		
230973	5/23	GE	Contr 26207 - booster sets - request final approval of plan L To NY--Gives action.5/31	
	5/28	NY		
233212	6/11	NY	Request size of cable for 300 kw generators.L To--Instrns.6/15	

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CALIFORNIA: LIGHT & POWER. 592 - 5

Number.	Date.	From or To—	Subject.
252983	9/29 10/3	GE NY	Throttle valves for 300 K W generating sets - request approval of use of steel in manuf of spindles - L Fwd NY--10/9 NY - fwds prints 10/26 L To- Plans appvd as modified. 11-8
254101	10/11	To NY	Relief valves for 300 turbo generator sets will be required. L GE - request Bureau action on relocation of valve in exhaust connection 11/8 L NY - 11/9 M
		& NY	To GE-Auth location of above. 11-13
257748	11-1	To NY	Booster Control circuits. Fwds prints. L NY - modifications to booster control circuits satisfactory - L
257159	11-3	To NY	Shore Connection: Proposed to add small panel on bulkhead adjacent one of the generators after engineroom, and mount it on three pole double throw switch. L To- 11-7 and GE NY - 11/15
257659			
302833	5-3	To M.I	Illum. set - omission of portable part authorized. L

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CALIFORNIA: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
245946	8/17	M Is	Electrical detaching device for Franklin life buoys - will submit estimate later	L
246352	9/10	NY	Throttle valves for 300 K W generating sets - fwds prints - L To- Corrected copy of appvd plans be fwded to bureau 9/19	
248831	9/11	NY	300 K W generators - location of terminals - fwds prints - L To- Plans appvd. 9-18 NY - sufficient clearance for leads, etc 10/4L	
250145	9/19	New York	Type of insulator for main generator fwds prints.L To- Supports appvd with modifications fwd 10-23 To—Plan appvd.9/24 NY - supports for generator and motor leads fwds prints - L	
252013	9/28	GE To-	Circuit breakers in equalizer connections - relative to time limit L To- "uotes reasons why decidion s ould stand'10-4	

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CALIFORNIA RADIO 1922

Number.	Date.	From or To—	Subject.	
633754	7/12	Pacf. Fleet	Inst ln of aluminum spreader tanks on antennas- copy instructions to CO rel to To C-I-C Pac Fleet- Reqsts report of test 8/10 Pacf. Fleet- Fwds cast aluminum spreader. 8/24 W	W
635376	7/21 7/24	C O Battleship Sqd. 4	Request vacuum tubes listed be replaced W To CO via Squad 4 Pac Fleet- rel shipping instrns 8/5	
635686	8/8	To S&A 835	Reqst shipment of tubes from Washn to CO W	
638904	8/17	CO	Submits list of Winkler Reichmann loud speaking telephone equipment turned in to store W	
622131	8/28	CO CALIFORNIA	Request shipment be expedited of jack plugs for head phones W	130-6

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CALIFORNIA RADIO 1922

Number.	Date.	From or To—	Subject.
641967	9/13	Pacific Fleet	Report on inspection of radio instln on board W To C-I-C Pac Fleet- gives suggestion cc CO- Pug Snd 9/22
Pug. Snd	Request t-90-23 W R To S&A		Shipment of items gives action cc CO- Pug Snd
652035	11/29 12/4	CO Pac Fleet	Rqsts spares listed for auxiliary spark transmitter be fwd W
654928	12/28	To S&A 1802	Reqst shipment of voltmeters from Brook to CO W RB 1/15/23.

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[OVER.]

CALIFORNIA: RADIO:

Number.	Date.	From or To—	Subject.	
588450	9;29	M IS	Fwds description of radio instaln.W	
589927	8:30 9;29	Radio Corpn of America Washn	Submits quotation covering vacuum tubes for.W	
593900	11/5	To MI	Manufactured parts for antennas ;Reqst inform W MI 11/23 W	
		1922		
605857	1/16	MI	Request drawings of parts for 20 KW arc set spares be furn. W. To MI- Fwds Plans 1/28	
622524	4/27 5/9	Pacf.Fleet Communications	Report o bearings recd by vessel.W. To MI- Fwds copy of report cc Dir Commns 5/25 M.I. 7/10 Submits report on bearings W Fwds Dir Commns 8/7 RB 8/15 W	

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N. Eng. 134

CALIFORNIA RADIO 1922

Number.	Date.	From or To—	Subject.	
622951	5/10	Pacf. Fleet (T)	Radio instln incomplete- not storage batteries for plate circuits and receivers. W. To C-I-C Pacific Fleet (T) transfer authd 5/12	
622658	5/12	To MI (T)	Auths turn over CALIFORNIA batteries shipped blading via PRR from Washn W	
625272	5/9 5/18	CO Pac Fleet 26-22	Vacum tubes Y	592-27
627513	6/2	CO #631	Rqsts audion frequency transformer be furn. W Fwds MI cc. S&A 6/15, RB 6/28 W To S&A R'sts shipmt of Transformers from Wash to CALIFORNIA 7/1 W	
632652	7/12	Pug. Sd. (T)	Request auth to issue porcelain insulators to replace electrose insulators. W To Pacific Fleet- Pug Snd (T) Disappvd 8/14	

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[OVER.]

Number.	Date.	From or To—	Subject.	
568626	6/10	To C_6 (CALIFORNIA)	Fwds copies of instruction booklet on model TC battleship radio telephone equipment as mfgd by GE under Contract 49333 W	898
569184	6/14	To S&A	Reqst shipmt of porcelain ~~fee~~ deck entering insulators from Washn to SO MI 7803 W RB-9;6-W	
570887	6;20	M IS T	Radio instaln stopped owing to non receipt of prints - If prints are received by July 1st instaln will be completed in due time.W	
			To MI (T) Status of shpmt 6/21	
			To Navy Yd MI- Tubes available because or rejec. Antenna shipt 8/2 8/4 W	
572517	6;30	M IS T	Ask type and location of charging panels for batteries for telephones.W	
			To MI (T) Instl volt batteries in series 7/1	
575898	7;11	CO	Reqt complete set of pamphlets etc covering radio instaln be furnished W	
			To CO -Fwds drawings 8/11 W	
576349	7;21	Pug Sd T	Drawing ~~design~~ doesnot agree with actual arrangement of transmitter-reqt instrns.W	
			Pug Sd-T-are installing model TC equipment on-7;28-W	
576603	7;22	M IS T	Ask date of shipment of addtl aux antenna inductance.W	
576737	7;21	M IS T	Reqt type and date of shipment of addtl aux antenna inductances.W	
			To MI T DRaw from store 25 kilowatt flat spiral loading coil for addtln inductance	7/25 W

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CALIF: RADIO 1921

Number.	Date.	From or To—	Subject.	
580340	8/12	BELOW (T) MI	Request material listed for completion of radio instln be furn. W.	
		M IS-T-reqt express vacuum tubes-8;18	To S&A- Rqsts shipmt of Radio Telegraph from Boston to Mare Island 8/16 W 8526	RB-9;14
		To S&A Reqst shipmt of mat from Washn to SO MI 8574 8/22 RB 9/19 W	To MI- TSatisfactory 8/15 W	
		To MI Gives action rel shipmt of tubes 8/22	cc C-I-C Pacificfleet- CO 8/22	
580455	8/5	CO	Request quenched spark gap for Lowenstein transmitter be furn. W. Fwds Pac Flt 8/19 W.	
		SEE ABOVE		RB-10;3-W
580340	8/25	To S&A 8628	Reqst shipmt of mat from Washn to Union W 8/25	
			To S&A Reqst shipmt of mat from Phila to MI 8629 8/25	
			Bost—Wavemeter not available. 8/29 W	
			To S&A Reqst shipmt of mat from Washn to SO MI 8698 8/31	
			To S&A Reqst shipmt of mat from Boston to MI 8697 8/31	

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[OVER.]

Number.	Date.	From or To—	Subject.
563268	5/12	To S&A	Reqst shipmt of telephone from Washn to SO MI 7400 W RB-6;20-W M IS-Reqt prints listed be fwded-5;25-W
563937	5/2 5/7	CO MI	Rqst radio extension lines from main and auxiliary radio room of bridge radio room be installed. W. To MI Appvd cc DM NY-Sen officer Ship 6/4 To MI Instln ofcircuits disappvd cc Senior officer MI 5/20 To MI (T) Gives instrns 6/21 M IS-fwds prints showing arrangement of main and aux radio rooms-5;25-W
563281	5/13	To MI ~~Instla~~	Installation of remote control circuits Fwds Vandykes cc Pres CO W M IS-5;26-W
566704	5;26	M IS	Ask probable date of shipment of motor buzzer set for W. To MI Gives action taken re shipmt of buzzer set 6/4
566711	5;25	M IS	Ask if Bureau intends to replace buzzers with 120 volt buzzers.W To MI Gives action cc Sen officer Ship 6/10 To MI Gives inform re instln of apparatus 6/4
566743	5;25	M IS	Request definite action be taken relative to arc wave changer antenna induction and signalling system for.W To MI Fwdsprint 7/7 To MI Apparatus for key circuit will be shipped prior to July 1 6/7
567810	6;1	M IS	Request radio prints listed be furnished.W To MI Gives instrns 6/9
568172	6;7	M IS T	Ask type of lightning switch changer for main antenna.W To MI (T) Ask to repeat wire 6/8
567320	6/7	To S&A	Reqst shipmt of buzzers from Pug Snd to SO MI 7669 W RB-8;3-W

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N. Eng. 134

CALIFORNIA RADIO 1921

Number.	Date.	From or To—	Subject.	
568017	6/9	To S&A	Reqst shipmt of material from Washn to MI 7735 W RB-7;25-W	
523752		SEE CARD 3	Twd C&R-Outboard fittings-Support for main antenna 6/10 W	
568871	6/11	To S&A	Reqst shipmt of receiver from Washn to Mi 7787 W	
568872	6/11	To S&A	Reqst shipmt of receiver from Mi to Washington 7788 W	
568629	6/13	To S&A	Reqst shipmt of batteries from Phila to SO MI 7801 W RB-8;3-W	

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[OVER.]

CALIFORNIA: RADIO

Number.	Date.	From or To—	Subject.
490865	(from card 2)		Mare Is; request action; 8-10; W To M.I.- action taken. 8/19 M IS-10;30-W M IS-T-ask approximate location of radio compass voice tubes-11;22-W M IS-request action-11;20-W
512417	8/14	Mare Island	Rearrangement of oscillator panel and telephone dynamotor- fwds print. W. To MI Rearrangement of oscillator panel and tel dyn appvd 8-25
516435	9;10	C&R	CALIFORNIA MARYLAND ~~EX~~ WEST VA COLO & WASHN copy of instructions for installing storage batteries for radio.W
523752 C&R-reqt action-1;7-W C&R-reqt action-3;11-W C&R-reqt action-4p;8-W C&R-reqt action-5;11)W	10;18	C&R	Arrangement and details of top mast and yards. fwds prints.W C&R-reqt action-11;18-W C&R-reqt action-12;11-W
524233 M IS-reqt action-12;29-W M IS-reqt action-12;29-W	10;14	M IS	Calls attention to various details covering plans of radio installation on.W M IS-reqt action-11;19-W
524993	10;18	M IS	Hull Div authorized to use expanded metal for bulkheads and doors in all radio rooms.W To MI use of metal satisfy cc C&R 10-30

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N.S.E. Form 134.

592-6: CALIFORNIA: RADIO:

Number.	Date.	From or To—	Subject.
530436	11;13	M IS	Fwds prints showing location of outlets ~~for radio telephone extensions communication~~ buzzers and time signals system.
545045	1;23	M IS	Fwds various radio plans.W
545705 M IS-3;16-W	2/11/21	To MI	Radio App on hand for Instln; Reqst detld list be fwded W M IS-fwds list of apparatus on hand for instaln of with report on condition 3;9-W M IS-Reqt action-3;30-W
550134	3;3	M IS	Request radio prints listed be furnished.W To MI Fwds Plans 3/11
555237	3;11 3;26	NY M IS	Fwds prints showing proposed location of radio telephone motor gen set in center motor room.W To M NY Gives Inform cc MI 4/11
555693	3;22 4;5	M IS C&R	Location of aux antenna lead trunks-fwds prints.W Fwd C&R cc MI 4/11 Of antenna leads 4;12-W IS re location
555749	4/11	To S&A	Reqst shipmt of equipment from Washn to MI 6937 W

CALIFORNIA: RADIO: 1919

Number.	Date.	From or To—	Subject.
451898	10-18	To S&A	Reqt shipment receiving sound proof booths from So. Brook to Mare Island. W R B 6/9 - W
462020	11/25 12/6	M Is C&R	In connection with arrangements of apparatus in auxiliary radio room - W Fwd C&R. 1-5
463477	12;8	M IS	Arrangement of apparatus in auxiliary radio room-reqt instrns covering.W M IS-reqt expedite action-1;30
			1920
473509	2-9	To M Is	Radio Officer on. Advise when work of installation of radio apparatus is in such shape that the presence of the future radio officer would be deemed advisable. W M Is - 4/12 - W Fwd Navgn via Communications. 4-30
477286	2;12	M IS	Request information re radio apparatus for.W
480713	3;8	M IS	Request plan of main radio room showing arrangement of radio apparatus he furnished.W
482489	3;5	M IS	Copy of letter to NY requesting VanDykes of rigging insulators.W

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592 - 6 CALIFORNIA: RADIO -1920-

Number.	Date.	From or To—	Subject.
482938	3/5 3/20	M Is NY	Reqst prints showing rigging insulators - W Fwd C&R. copy to M Is. 3-24
489735	4/12 4/24	M Is C&R	Proposed relocation of auxiliary antenna lead trunks - fwds print - W Fwd C&R. 4-29 RB-5;5-W Fwd C&R. 6-1. C&R-copy of action to M IS-6;5-W
490865	4;24	M IS	Ask if Bureau will issue book of plans similiar to those supplied vessel by yard.W Mare Isl.-(T)- Request action. 5/29 W. To M.I. Plans be fwd within week 6-23 (T) To M.I. Fwds Plans 6-29. To I.L. NY Reqst vandykes be fwd M.I. Reqst detld action CC M.I. 7-7.
498358	5;21 5;30	M IS CO NEW MEXICO	Request report on efficiency and desirability of telautograph system as installed on board NEW MEXICO.W To M.I. Advises does not contemplate instln of system until after report is obtained 6-14.
499390	6;8	M IS	Copy of letter to NY asking when shipment of target angle transmitter and receivers will be made.W
501142	6;23	M IS T	Suggests move insulator entering main radio room-fwd to clear tank.W To M.I. appvd (T) --6-24.

To S&A. Reqst shipmt of apparatus from Phila to SO MI 3557 7-9 RB-12;
To S&A. Reqst shipmt of apparatus from Washn to SO M.I. 3556 7-9
N.Y.; lists drawings fwded to Mare Is. 7-16; W
M RS-7;24-W

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CALIFORNIA: RADIO.

Number.	Date.	From or To—	Subject.
232712	6/9	To S&A	Reqt shipt of radio apparatus from Wash to M.Is. for. W To- Reqts above order be cancelled. 5-13
232713	6/9	To S&A	Reqt shipt of trans set from NY to M.Is. for.W
251511	9/26 4;8	NY Mare Is.	Asks if radio installation plans are to be drawn at NY Yd - W To- Directs prepare plasn for installation of radio apparatus on. 9-29 Mare Isl 10-17 Rqst vandykes listed be furn.
346482	8/23 9/6	M Is NY	Radio plans - request - W
351800	9-16	M Is	Request copies of battle radio specifications
404450	3-22	To Newport News Co	Fwds prints showing location of ~~xxxx~~ trunks for antenna leads. W
415911	5/3	M Is	Ask progress of radio plant being developed at NY - W

NB—0120

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N.S.E. Form 134.

CALIFORNIA: RADIO

Number.	Date.	From or To—	Subject.	
431142	6-28	Mare Island Foreign Govt	Rqst auth to manf 1 complete set radio app recently adapted from the British for installation on.	W
444750	9/4	M Is	Assignment of radio apparatus - W	
432142	???	NY	Reqts nomenclatyre of radio stations on vessels.	573-4
446143	9;12	M IS	Request plans be mailed.	
448030 To M Is- Fwds 6 copies of instruction booklets. 10-25 To Inspr NNs-Advise present status of shipment. 11-1	9-30	To S&A	Reqt shipment arc radio sets from NNs to Mare Island. W Mare Is 1 10-14 Rqst plans listed be fwd	
448031 NN - 9-30 - ~~any~~ radio set shipped to M Is 10/11 - 11/3	9-30	To S&A	Reqt shipment Wransmitting sets from Washington to Mare Island. W o Mare Island- Notifies of shipment reqt. 9-30	RB-12;10
450996 To M Is (T)-California booth shipped from Chasn 11-3rd. phrase about HOUSTON manifest not understood. 12-20	10-16	To S&A	Reqt shipment sound proof radio booths from Chann to Mare Island. W M IS-T-ask when shipment may be expected-12;19 To M Is(T)-Booth for will be loaded at Hampton Rds on ORION, sails 12-26th. 12-22	

NB—0120

[OVER.]

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1917

CALIFORNIA: SUB SIG APP.

Number.	Date.	From or To—	Subject.	
Bu 491	5/22	To M.Is.	Sub Sig oscillator on. Fwds copy of specns covering. LR	
265895	12/6	Sub Signal Co	Reports shipment of oscillator apparatus - L	
		1919		
456775	11/8	To Mare Island	Asks status of installna and delivery of keel type oscillator for CALIFORNIA contract 30027 1918 series W M Is - 11/28 M IS-12 ;4	
458187	11/10	M Is	Reqst duplicate prints of submarine signalling oscillators be fwd - W Mare Is; ask when plans will be furnished; 12-12; W To M Is- Fwds prints. 1-13 M Is - ask when plans will be furnished-1/21	
478685	3-3	To Sub Sig Co	Fwds appvd tracings for spare parts. W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

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CALIFORNIA MACHY PLANT GEN 1922

Number.	Date.	From or To—	Subject.	
648722	11/11	To MI JOINT	Change- omission of fuel oil test authd	D
649249				

4—3381

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
628507	6/2	Pac Fleet	Rel to Military inspection. Fwds report. Fwds Operns via Ordn- Navign-S&A- Med & Surgy 6/21	Y
629246	6/20	C&R	Copy ensorsemt to Dept recomd auth instln of system of hydraulic gasoline storage	D
632799	7/7	CO	Submits list of work to be done by ships force while at yard	Y
639978	6/30 8/31	CO C&R	Submits report on material readiness Fwds Operns via rdn 1/8	Y

4—3381

CALIFORNIA MACHRY PAINT GEN 1922

Number.	Date.	From or To—	Subject.	
643521	9/13 9/29	CO Dept	Specification report on material readiness Y Fwds Operns via C&R Ord 10/14 Ya	
644888	10/12	To M.I.	Water ejecting system Changed to Air Testing. D	
646598	10/23	C&R	Booklets plans, Fwds D	
649249	10/17 11/10	CO Department	Rqsts report on material readiness Y Fwds Operns via C&R Ordn 11/23	

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CALIFORNIA MACHRY PLANT GEN

1922

Number.	Date.	From or To—	Subject.
609508	1/23 2/13	CO C&R	Subm report on material readiness. Y Fwd Operns 3/7
612863	3/8	MI Copy	Estimates cov cost of changing vessel from non flag ship to Fleet flag ship.
613107	3/10	Dept	Pug. Sd. is home yard of vessel. Y
616445	3/28	Pug. Sd.	Request all utstanding work be transferred to Pug. Sd. Yard. Y To MI- Gives Instrns cc Pug Snd- CO- C-I-C Pacific 4/5
617191	4/5	C&R	Copy of letter to M.I. directing trans job orders to Pug Sd Y

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CALIFORNIA MACHRY PLANT GEN 1922

Number.	Date.	From or To—	Subject.
618252	4/6	CO	Subm report on defficiencies in engineering personnel of. D.
618717	4/15	To MI JOINT	Change. Providing for sprinkling the powder conveyor's trunks between the upper and lower handling rooms throughout their entire length approved D
624206	5/18	C&R	Fwds booklet of gen plans D
627209	5/3 6/8	Pac Fleet Dept	Report of board covering recent casualties to machry instlns On. B Y X-5 Dept- "equest action. 8/2. D Fwds Operns cc C-1-C Pac- CO's NEW MEXICO-CALIFORNIA IDAHO MISSISSIPPI 8/18

[OVER.]

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3 Duplicate

CALIFORNIA MACHY PLANT GENERAL 1920

Number.	Date.	From or To—	Subject.
519428	10-2	To IM NY	Arrangement and details of lifting gear for aux below machy flat: Plan and D.
527306	11;3	M IS copy	Request authority to dock vessel for work.A
531952	11;30	M IS T	Vessel docked.D
535782	12;14	CO.RIEHLE	Request book or pamphlet containing full data of engineering Dept of.D To MI (2)- Reqst pub cont data of eng dept 1/7/21
535744	12;13	Inspr Union	Submits list of work performed on vessel while docked.D
549386	3;2	C&R	Battle dressing station for engineer's force-fwds print.D To C&R. Reqst inform as to voltage and rated amperes of elec Auxiliaries 3/19 C&R-3;28-L To MI Wiring for auxiliaries authd 4/13 To IM NY Installation authorized 5/20 cc MI
568913	6/10	To MI JOINT	Powder passing scuttles; Change
579609	8;8	C&R	Copy of letter to M IS disapproving addtl quarters for Asst Chief of Staff.Y

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N.S.E. Form 134.

592-8: CALIFORNIA: MACHY PLANT: GENERAL: 1921

Number.	Date.	From or To—	Subject.	
579862	8;9	C&R	Copy of telegram to M IS authorizing docking.Y	
584283	9;6	Supt Constr Union T	Vessel undocked at Hunters Point.D	
585207	9;1	Tiegan & Lang DD Co V O I D	Reqt 10th payment.K	
585214	9;12	Operns	Assigns Pac Flt as flagship.Y	
590453	10;??	M IS	Copy of letter to C&R stating preliminary acceptance trials will be held early in November-recommends be docked prior to.Y	
597986	11/29	Constr.Union. Copy	Vessel dockt at Hunter's Point. Y	
598148	11/30	Constr.Union Copy	CALIFORNIA undockt ARIZONA will be dockt.Y	

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[OVER.]

CALIFORNIA: MACHY PLANS

1919

Number.	Date.	From or To—	Subject.	
411506	4;17	C&R	Winding tubes and air pipes in machinery space fwds prts D	
429648	6-30	C&R	Rqst plans of vessel be changed so as to fit out ship for duty as Fleet Flagship.	D - L
			1920	
467708	1/7	C&R	Copy of letter to Navgn in connection with fitting TENNESSEE & CALIFORNIA as flag ships. L.	573-4
470332	1;19	C&R	General arrangement plans-fwds-D	
519428	9;24	NY	Arrangement of details of lifting gear for auxiliary machy-fwds prints.D	
557425	4;13	C&R	Copy of letter to M IS approving prints showing relocation of certain spaces.Y	
579738	8;8	M IS copy	Reqt auth to dock vessel for various work.Y	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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CALIFORNIA: MACHY PLANS.

1916

Number.	Date.	From or To—	Subject.	
189128	5-27	TO C&R	Machy plans; fwds vandykes	573-8
189870	6-3	NY	Propelling machinery radically different from TENNESSEE; both vessels different from NEW MEXICO; will require separate plans each vessel; recommends M.Is handle CALIF plans at least engine room plans. C To--Comments on; directs NY handle drawings and orders for material for. 6/6	
195183	7/25	M Is	No plans received NY; no data on thrust bearing; impossible to submit estimates change of cost .DR To--Estimates will be delayed until plans and data is avaiable. 8/3 M Is 8/9	
197561	8-24	TO M.Is	Propellling machy; castings and patterns; directs manufacture: Corss to 14.	
206023	11-17	NY	Proposed arrgt of machy; particular reference to centre line, main condensers, location of injection, outboard discharge,etc. D To--Plan appvd with comment. 11/28	
207292	12-5	NY T	Schesules 251, 250 and 325; refrig machy, pumps, turning motors,etc. M.Is request information re price of material.D To M.Is. -- (T) Gives prices. 12/5	

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CALIFORNIA: MACHY PLANTS. 592-8

Number.	Date.	From or To—	Subject.	
208948	12-15	NY	Proposed arrgt machy; fwds plan proposed changes in.D To--Appys plan. 12/27 To--Locking device for main injection and bilge suction valves will be omitted. 1/5	
212454	1-24	NY	Asks if Yard is to purchase bolts and nuts for installation purposes.D M Is (R) recommends NY order 1/31 To M.Is.--(T)Ask if NY shall order. 1/30	
230702	5/18	M Is	Copy of letter to NY relative to plans and material to be supplied - recommends NY prepare all plans, schedules, lists and initiate all requisitions for material D	
246877	8/31	C&R	Compartment and access plans - holds and double bottom - fwds plans D To- Plan is stais. 9-28	
30487	12/23	To Mare Island	Inform by wire if extension in delivery will cause any delay in the completeion of the CALIFORNIA Is	LS

1917

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[OVER.]

Number.	Date.	From or To—	Subject.	
642829	9/29	To CO	Main motor fresh water fire extinghishing connection for Fwds print cc Pac Fleet- Squad 4- Pug Snd Db To CO- Fwds print cc C-I-C Pac. Squad 4- - Pug Snd 11/7	
643538	9/16 9/25	CO Pacific Fleet	Gives reasons why stop valves were substituted for unloading valve main turbine and 300 KW packings D To nspr machy GE- comments 10/5	
646795	10/28	To USS CALIFORNIA	Fwds instructions on turbines for Main propelling machry M	60o-2
650829	11/24	CO T	Internal cooler removed & shipped to GE L To CO (T) Reqsts inform rel coolers 11/24	

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
595059	FROM CARD 23		S&A- Fwds contractors letter giving interpretation of cost. 1/20 K Fwd S&A 1/30
606127	1/25	To Gen Inspr machy Phila	Rel cost of changes in machinery cc Inspr of machy GE Co Dn
60 626649	6/3	Pacf Fleet Copy	Request availability of vessel be extended to cover repairs to auxiliary machry.

N. Eng. 134

Number.	Date.	From or To—	Subject.	
579458	FROM CARD 22		N.Y. 2/21 D To NY-re final payment-2;28-Db New York 4/4 D	
622326	5/24	To C&R	Report of Trial Board -Alteration to air supply to auxiliary Steering Gear instln satisfy Db Dn	592-2
626850	5/31	Pac Fleet	Copy indorsement to Dept fwding report of board covering casualties to machry installed on. B D L	

1921

CALIFORNIA MAIN ENGINES

Number.	Date.	From or To—	Subject.	
579205		SEE CARD 22	To Inspr NNs instrn book cancelled 10/19 Db Inspr Newpprt News- 10/24 D Inspr GE - Instrn book shipt to Bur by express 10/26 K&D. Inspr GE- Copy action to CO 10/26 D GE Co.- Fwds instruction book. 10/26 KD. To CO Fwd Instrn book cc CO's 11/5 To Annapolis Fwds instrns book 11/5 CE FLORIDA 11/10- Books recd. D.	
592236	10/21	N.Y. 15	Drain pipe- fwds print rel to packing of. D. To NY Plan approved 11/9	
593059 CARD 24	10;8 10;28	GE Co S&A	Fwds copies covering cost of changes in propelling machy.D Fwd S&A 11/5 Fwd S&A cc Inspr Mchy GE 1/7/22 S&A- GE Co. request refund. 12/28 KD.	
594183	11;2	NY	Method of connecting lubricating oil pump equipment-fwds prints.D To NY Ack receipt of Plan Gives comments cc NY- Diagram of connections of lubricating oil system-fwds print 12/CO- NY 12/9 12/13 LD	592.5
594172	10;24 11;2	Inspr GE NY	DC engine room switchboards-fwds prints.D&L To NY Reqst inform rel alterations 11/10 N.Y.- 12/2 L To NY alterations appvd 12/13	

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N. Eng. 134

CALIFORNIA MAIN ENGINES 1921

Number.	Date.	From or To—	Subject.	
595588	11/4	MI	Subm inform rel to method used on High potential test of main propelling motors. D To MI- Reimbursement of GE Co-- neccy order shld be issued by the yard 11/19	
596813	11/23	To CO	main drive Electrical auxiliaries; Gives instrns Db	
		1922		
604231	1/11	Inspr GE	Finished machry plans have not been furnished- recommends no further payments be made to GE Co. until plans for CALDWELL SALEM NEW MEXICO Destrys 87 to 92- 256 to 335 have been recd and accepted. D. Inspr GE- 1/12 D N.Y.- Rel to rejecting finished machry plans for NEW MEXICO 2/8 D 554- 9 To NY- returns of plans appvd 2/14 Inspr GE 5/10 D.	
604906	1/17	To CO via Union	Inverted throttle trip valves. Strainers for Ds CO - Ask when delivery of monel metal strainers may be expected. 3/17 D To CO- strainers shld have been delivered on 3/20 3/30. CO 4/6 Ask shipping data D To USS CALIFORNIA- Will be ready for Insm about Apr 26, 1922 4/22 Db CO 5/20 D To CO strainers shipped on 23 may 5/29 CO 6/8 Ask shipping date of strainers Y	

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4—3381 [OVER.]

Number.	Date.	From or To—	Subject.
8 540839	1/14	Bd on Changes, GE	Omission of ammeters from main generator leads and instln of ammeters in leads to main motors- estimate of increased cost. D. To G E Co via Inspr Fwds report appvd 1/24
540839	1/14	Board on Changes GE	Furnishing of instruments for recording temperatures in generators and motors - estimate of increased cost. D. To G E Co via Inspr Fwds report appvd 1/24
540837	1/14	Bd on changes, GE	Furnishing 4 addtl spare parts - estimate of increased vost. D. Fwd Solicitor 1/19/21 RB 1/22/21 To G E Co via Insrs Fwds report appvd 1/24
540836	1/14	Bd on Changes, GE	Addition of lubricating oil pumps to main turbine shafts- estimate of increased cost. D. Fwd Solicitor 1/19 RB 1/22/21 To GE Co via Inspr Report appvd fwds 1/24
541742	1;20	C&R	Foundations for lubricating oil pumps and tank-fwds prints.D
544556	1;31	Inspr GE	Patch drawings-fwds prints.D&L To Inspr GE. Reqst inform 2/18 Inspr SE-2;24-D
561561	4;26	M IS	Request auth to change location and type of lubricating oil strainer on relay tank-fwds prints.D To MI Plan appvd 5/11
562737	5;6	NY	Main motor nameplates-fwds GE Co prints.D To IM NY Gives Inform 5/24
562736	5;6	NY	Fwds GE Co prints showing gauges for main turbines and generator bearings.D To IM NY Plan appvd with comment 5/23

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N. Eng. 134

592-9: CALIFORNIA: MAIN ENGINES: 1921

Number.	Date.	From or To—	Subject.	
579205	8;4	Inspr GE	Copy of letter to NY reqting distribution of instruction books.D&M	
		Inspr GE-ask if remaining copies of instrns books shall be distributed-10;10	Inspr GE-reqt action-9;19-D	
23		Inspr GE- Rqst prompt shipt of instrn books. 10/13 D	Inspr GE-fwds instrns book-9;26-L&D	
		To Inspr GE Gives instrns cc CO 10/19	To Inspr GE Reqst Instruction books cc NY 9/2	
			To Inspr GE Gives instrns cc CO- Inspr NNs 9/30	
579458	7;29	M IS	Ask if Bureau has ordered switchboard spares for main propelling units.D&R	
		NY-fwds list of spare parts and outline for main propulsion elec apparatus-10	To Insp Schenectady- Files not complete	
		Fwd CO 11/9	Rqsts list of spare parts 8/11 Db	
		To NY Reqst addnl spare parts be	Co Comdt MI	
CARD		furnished 11/9	To Comdt MI- Asks if spare parts are additional 8/11 Db	
# 24			M IS-ask when spares will be available at	
			M IS-8;23-D	
582225	8;4	Inspr GE	Instructions books propelling machy-reqt instrns for disposition.D&M	
	8;26	NY		
582893	8/26	Inspr GE	Fwds contrs claim for inc compensation for propelling mchy- D&R	592-2
585490	9;1	M IS	Lubricating oil system for turbo alternator fwds plans and estimates.D	
			To MI (T) Appoved 9/16	
586913	9;20	Inspr GE	Fwds contrs revised water rates for main turbines.D	
		Fwd Dept 10/17 RB 11/7 D	To Inspr GE Gives inform 10/6	
		To Inspr GE Changes appvd Gives Action 11/9 cc CO- MI 11/9	Inspr GE-contrs reqt amend main propulsion contract-10;13-D	
		To Bd I&S Gives Action 11/9		
54857	10/7	To MI (T)	Authorized use of CALIFORNIA condensing rotor on 300 KW tube generator NEW MEXICO cancelled rqn orders blading for repair NEW MEXICO rotor Ls	629

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[OVER.]

CALIFORNIA: MAIN ENGINES:

Number.	Date.	From or To—	Subject.
507732	7;19	Inspr GE	Booster wiring and control wiring for propulsion apparatus-fwds prints.D To IM NY Plans appvd 7-28
509951	8;5	NY	Main propulsion speed and steam limit control mechanism-fwds prints.D To NY. appvd. 8/19
510407 NY-fwds prints-1;7-D To IM NY Plans appvd with com 1/18/21	8-9	To N.Y.	Rel instaln of lubricating oil system on, change in machinery specifns. D L NY-arrangement of addtl lubricating oil relay pumps tanks etc-fwds prints-12;10-D&L To IM NY Plan appvd 12-24
511076 To Inspr ge via NY Gives action 12-2 To G Inspr PhilaReqst cc report cc Inspr GE 12-2 NY-12;2-D NY-emergency valve connections from turbo generators and aux exhaust to main turbines-resubmits prints-1;4-D	7;28	Inspr GE	Emergency valve connections from non-condensing turbo generators and aux exhaust to main turbines-fwds cost sheet.D To Inspr GE. 8/20 NY-11;18-D Fwd Solicitor 11-23 RB-12;2-D
515187	9;2	Beth SB Corpn VOID	Fwds copy proposed contract with GE Co for elec propelling machy for comment.D
515186	8;25	Inspr GE	Main generators and nameplate-fwds prints.D To IM NY Plan appvd 9-4
516272 NY-reqt action-9;22-D To IM NY Fwds let 9/11 appcg plan 9-25	9;8	NY	Propulsion control apparatus-resubmits plans.D To IM NY Appvd 9-11
516538	9;9	NY	Lifting gears for main generators-fwds prints-D To IM NY Plans appvd with mod and com 9-22 NY-shim-fwds prints-10;28-D To IM NY Plan appvd and assgd file No 11-6 To IM NY Gives instrns 12-21

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592-9: CALIFORNIA: MAIN ENGINES:

Number.	Date.	From or To—	Subject.
531184	11;13 11;23	Inspr GE NY	Resubmits plans of cable joint.D&L To IL NY Plan apprvd cc MI-Inspr G 12-1 NY-1;3-D&L
532550	12;2	NY	Main propulsion turbines-resubmits print.D NY-12;11-D To IL NY Plans apprvd 12-15
533976	12;9	Gen Inspr	Submits list of estimates to be made by Bd on Changes which have not yet been reported upon.D To Gen Inspr Phila 12-15
536599	12;22	NY	Method of lubricating jaw coupling of main turbines-fwds prints.D To IL NY Plan apprvd with comment 12-30 NY-revised print showing flexible jaw coupling for main turbine fwds - 3;9
511076	SEE OTHER SIDE		To IL NY Plans apprvd 1/14 D. Bd on Changes GE-emergency valve connections-estimate of increased cost 1/14 D Fwd Solicitor 1/19/21 RB 1/22/21 To G E Co via Inspr Fwds cc report 1/24 NY-reqt copies of decision-9;8--D To NY Fwds Correspondence 9/14

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[OVER.]

CALIFORNIA: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
488513	4/20	GE T	Monel metal spools of main turbine found porous - reqst substitution of nickle bronze - D To Inspr Phila. Substitution of nickel bronze for monel metal appvd. copy to Inspr GE.
Inspr Phila-gives physical & chemical characteristics of angle bronze composition used in mfg of replacements for turbines.-5;8-D Fwd Supt Nav Academy 7-6. RB-7;13-D			Inspr GE-report on porous valve spool-4;20-D
488686	4;20	NY	Arrangement and details of ladders, cast gratings and floor gratings in fire, engine and motor rooms-fwds prints.D To I.M. Ny-Prints listed assigned file numbers. 4-26
489221	4;21	Inspr GE	M IS requests immediate shipment of DC switchboards and circuit breakers-~~xxx~~ for-are endeavoring to expedite.D&L
491894	5;5	NY	Arrangements and details of throttle valve trip gear-fwds prints.D To I.M. Ny- Plans listed appvd with modifications. 5-8.
492150 To I.M. NY Plan appvd. 5-10.	5;5	NY	Lagging for turbine head-fwds prints.D
493732 NY-resubmits prints showing arrangement of leads to propelling motor terminals-6;19-D To I.M. NY Plans appvd 6-23.	5/14	NY	Cable supports and arrangement of leads to propelling motor terminals - resubmits prints - D To I.M. NY Plan appvd CC M.I. 6-2.
494202	5/17	NY	Booster wiring and control wiring - fwds prints - D To I.M. NY drawings listed appvd 5-26.

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Number.	Date.	From or To—	Subject.
495490	5/13 5/22	GE NY	Propulsion grounding of A. C. motor and generator cables - fwds print - D To I.M. NY Drawings appvd and assigned file number 5-26.
473995	6-4	SEE CARD 19	To I.M. NY Plan appvd 6-4. D. To I.M. NY Planassigned file no and gives detld comments-28. NY-interlock resubmits plans-9;20)D To IM NY Plans appvd 9-23
498220	5;27 6;7	Inspr GE NY	Resubmits prints of engine room switchboards.D&L To I.M. NY Plan appvd 6-14.
500144	6;16	Inspr GE	Copy of letter to NY fwding GE Co prints showing 300 KW condensing and non-condensing turbo generating sets-D
501261	5;27 6;8 6;19	Inspr GE NY M IS	Addition of gear oil pump to main turbine shaft-submits estimates.D cross to 19 To Gen Inspr Phila Reqst dup cc of report C Inspr GE. 6-25.
505168	7;10	NY	Main turbines-resubmits prints.D To IM NY Plans appvd 7-20.

Number.	Date.	From or To—	Subject.
476203	2/14	NY	Main turbo generators - fwds prints - D To IM NY 2/25 appvd with comments NY - fwds various prints of main turbines-6/2-D To I.M. NY Plans appvd 6-10.
480390	2;28	M IS	Assembly of main portable units-reqt action in connection with.D Fwd I.M. Ny. 3-11-RB-3;14 To(T)- Re letter of 28th telegram not received. 3-16 To- Cost of assembly of main propelling units properly chargeable to the Government. 3-27
481014	3;9	NY	Arrangement of cables at fwd and ~~and~~ aft engine and distribution room switchboards-fwds prints.D To I.M. Ny- Assigns file numbers to plans appvd. 3-19
481729	3;13	NY	Lifting device for removal of main turbine bearings-fwds prints.D Plan appvd. 3-18 NY-lifting device for main turbine shaft-fwds prints.8;12-D To NY. revised print appvd 8/17
483106	3;22	NY CANCELLED	Elec instruments on main board testing and terminal board propulsion control apparatus-fwds prints.D cross to 24
483848	3;24	NY	Resubmits prints of control room controlling plans.D To I.M. Ny- Plan appvd. copy to M Is. 3-27
473995	3-25	SEE CARD 18 To Inspr GE Co-Plan listed appvd. Action on plans listed withheld. 4-29 Inspr GE-fwds prints showing diagram of reverse current relay of circuit breakers-5;1-L NY-engine room switchboards-fwds prints-5;17-D NY-Resubm prints of GE engine room switch bds 5/29 DL SEE CARD 20	To Inspr GE-Reqts Ge plan showing schemic diagram of relay: L To Inspr GE-Reqts furnish plans listed at an early date. 4-19 GE - circuit breakerzs and reverse current relays - fwds print - 4/23 - D To Inspr GE- Lists plans appvd. 5-5 Inspr GE-Fwds prints of interlocks. 8/20 D

N.S.E. Form 134.

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592-9: CALIFORNIA: MAIN ENGINES:

Number.	Date.	From or To—	Subject.
42 465770	12;12	M IS	Recommends elec propulsion units for be assembled at M IS. D To - propelling units to be shipped in a completed state-1-3 M IS-3;19
485331	3;31	Inspr GE	Fwds contractors letter requesting extension of time on contract 26207 covering delivery of propulsion equipment.D Fwd Solicitor. copy to Inspr GE. 4-5 RB-4;10 To Inspr GE-Fwds copy of Dept's action. for information of Contractors. 4-12
485561	4;3	NY	Blades and lifting eyes for exhaust ~~xxxxxx~~ hoods of main turbines-fwds prints.D To I.M. Ny- Plans appvd. 4-8
485613	4;3	NY	Assembly of gear oil pump and shock absorber for main turbine-fwds prints.D To I.M. Ny- Plan appvd. 4-8
486659	4;2 4;9	Inspr GE NY	Locks and interlocks - resubmits prints.D&L To I.M. Ny- Plans appvd. 4-13
486677	4;2	Inspr GE	Maindgenerator circuit breakers-resubmits GE company prints.D To I.M. Ny- Lists plans appvd. 4-14

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CALIFORNIA: MAIN ENGINES. 1919 18

Number.	Date.	From or To—	Subject.	
440591	8/18	Inspr GE NY- copy of letter to GE-9/3.	Fwds copy of letter from GE Co in connection with method of attaching tachometer for turbo generator on CALIF MARYLAND & W VA. To Inspr GE- Desires that the tachometers for turbo-generators be attached to the generator ends of the units. 8/21.	592-24
463795	12-19	To I.M. Ny	Fwds advance sheet for construction of cable. Instruct GE Co to construct cabel in accordance with . copy to Inspr NNs and Inspr GE. 12-19 NY - 1/21	
464744 55	12;20	NY	Locks and interlocks-fwds prints. To - Plan appvd. 12-27	
449026	12-24	SEE CARD 16	To I.M. Ny- GE Co drawings listed appvd - with comment. L	

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N.S.E. Form 134.

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1920

Number.	Date.	From or To—	Subject.
472433	1/21	M Is	Copy of letter to GE Co reqsting Rep. report to Yd 2/14 in connection with installation of propeller units and auxiliaries - D
473892	1;31	Inspr GE	Copy of letter to M IS submitting information re material to be shipped for turbo unit No.1.D
473995	2;2	Inspr GE Card 19	Reverse crank and coil for 4 pole circuit ~~xxxxxx~~ breakers-fwds contractorsphotos of withdetailed comments on D&L To Inspr GE- Reta furnish information as listed. 2-13 Inspr GE-~~xxx~~will fwd plans when recd from contractors-2;17 Inspr GE-fwds photos-2;20 To Inspr GE- Characteristics of relay as outlined satis. 2-21 NY-fwds switchboard prints-3;13 Inspr GE-fwds various relay prints-3;18 To I.M. Ny- Plans appvd with comment. T 3-20
474486	2;6	Inspr GE	Request decision regarding approval of 4 pole circuit breaker and reverse current relay.
444848	2-13	SEE CARD 15	To Inspr GE-Concurs in recommendation that breaker be not appvd as a type. L To I.M. Ny- Use of relays with circuit breakers not good policy. 2-16 To Inspr GE- Gives detail action on plan. 2-21 Inspr GE-2;26 To Inspr GE-Gives corrections for references quoted i Bu letter of 2-21. 3-1

N.S.E. Form 134.

CALIFORNIA: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
453345	10-13 10-21	Inspr GE N Y	Piping plan and needle valve- Fwds prints. o I.M. Ny- Plans appvd as revised. 10-28	D
453344	10-11 10-21	Inspr GE N Y	Packing ring and sleeve and coupling guard- Fwds prints. To I.M. Ny- Lists plans appvd. 10-28	D
453734	10-7 10-23	Inspr GE N Y	Fwds various prints of propulsion machy. To I.M. Ny- Lists plans appvd with comment.10-28	D
454723	10/22	M Is	Copy of letter to Insp GE requesting detailed list of all material to be supplied - S&D	
455802	11;3	Inspr GE	In connection with location of athwart ships steam limit and speed control shafts.D	
		To Inspr GE- All control cells for elec propelling machinery be self supporting on all ships later than the CALIFORNIA MARYLAND & WEST VIRGINIA. 12-9 CANCELLED see 46-B-9	To Inspr GE- concurs opinions expressed letr of 1173 11/10 Insp G E 18-8 To IM Ny 3/9 NY-submits estimate of change with print-3;2	
457013	11/8	NY	Change to booster field windings - fwds print - D To I.M. Ny- Plans appvd. 11-26	

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[OVER.]

Number.	Date.	From or To—	Subject.	
457417	11/11	GE	Main control board preliminarily accepted and shipment made - DL	
457605	10/30 11/12	GE NY	Arrangement of emergency tripping device, hydraulic gear and cylinder, etc - fwds prints - D To I.M. Ny- Lists plans appvd. 11-25	
458885	11/18 To I.M. Ny- Plan appvd. 1-10 NY-assembly switching-fwds prints-2;17	NY	Arrangement of control room propulsion apparatus and list of locks and interlocks-fwds prints - D To I.M. Ny- Plans appvd subject to comment.11-29 NY-list of interlock-fwds prints-1;3 To I.M. Ny- Plan appvd. 2-19	
458888	11/7 11/19	GE NY	Main turbo generators - fwds GE Co prints -D To I.M. Ny- Lists plans appvd. 11-26 NY-piping plans and details-fwds prints-12;16 To I.M. Ny. Plans listed appvd. 12-20	
461311	12/3	NY.	Control room drill plan - fwds contrs print - D To I.M. Ny- Plans appvd and assigned file numbers. 12-8	
461330	12-3	N Y	Control wiring testing and terminal board- Fwds prints. (cancel 12-8)	D
463126 To Comdt M Is- Satis to machine foundations. 12-16	12;6	M IS	Foundations for main turbo generators-not advisable to make alterations-necessary for installation of chocks.D	

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CALIFORNIA: MAIN ENGINES: 1919

Number.	Date.	From or To—	Subject.	
433952	9-25	SEE CARD 14	To I.M. Ny- Auth to take up with Cory Co question of development of a double faced elec engine order telegraph. L New York 10-16 New York 10-18- Fwds prints To I.M. Ny- Proposed double-faced engine order telegraph appvd. 10-22 NY - copy of action to M'ls - 11/1 NY-arrangement of cables at control room bulkhead-fwds prints-3;5	
449026	10;1	SEE CARD #18 NY To I.M. Ny. copy N.Y.; will fwd plans showing construction of field rheostat for 300 k.w. generators when received from G.E. Co; 11-7; (cross to 5) NY - fwds prints - 11/29	Inspr GE. 12-15 to field rheostat for 300 kw generator-fwds GE Co print. To I.M. Ny- Action on plan withheld pending receipt of detail plans showing type of construction of ehostat. 10-10 NY-field rheostats for 300 kw set-fwds prints-12;8	
449083	10;2	Inspr GE	Change in design of second stage wheels of forward turbine-request approval.D To Inspr GE- Action appvd. 10-6	
449831	10-7	Inspr G. E. To Inspr GE- GE Co diagram showing layout of CALIFORNIS'S machinery appvd by D.N.I. 10-15 for publication. 10-15	Fwds diagram showing machy layout which G E Co desire to publish at time vessel is launched. Fwd D.N.I. 10-9 RB-10;14	D

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N.S.E. Form 134.

1919

CALIFORNIA:

Number.	Date.	From or To—	Subject.	
449829	10-7	Inspr G. E.	Report coyg delay in shpmt of Turbo generator #1 for. To Inspr GE- Action in requiring GE co to run each rotor in its own casting appvd. copy to E.O. Ny and Comdt Mare Island.- 10-9	D
451035	9-30 10-8.	Mare Isl M&R	Machining of foundations for main Turbo generators and propelling motors - Fwds prints. Fwd C&R. Copy to Mare Island. 10-20 C&R - 10/28	D
452718	10;6	Inspr GE	Main turbine wheels and bucket plates- fwds firms prints.D To I.M. Ny- Lists plans appvd. 10-24 NY - 11/28 To I.M. Ny- Assigns file numbers to plans.12-2 NY-fwds various prints-1;9 To I.M. Ny- Assigns file numbers to prints.1-22	
452680	9-29 10-17 NY-cover for governor dome-fwds prints-3;2 To I.M. Ny-Dome cover plan not appvd. 3-6 To IM NY Plan appvd 7-20.	Inspr GE N Y	Main turbine governor- Fwds prints. To I.M. Ny- Plans appvd with comment. 10-23 NY - reqst further information - 12/5 To I.M. Ny- Comments on constructions of copper dome for the governor case of the governors of the NEW MEXICO. 12-10 NY-fwds GE Co prints-7;15-D	D
398391	10-22	SEE CARD 12	To I.M. Ny - GE Plans listed appvd. D	

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[OVER.]

CALIFORNIA: AUX ~~XXX~~MACHINERY

Number.	Date.	From or To—	Subject.
438765	8;1	M IS	Report of condition of work on July 31.D
438768	8;8	NY	Arrangement of forced lubrication system for main generator sets-fwds prints.D To NY- change of specfnz 9/3 NY 10-23 Fwds prints of relief valve. To I.M. Ny- Lists plans appvd. 10-28
439982	8;14	Inspr GE	All electrical equipment with exception of main control parts will be required at Mare Island not later than Sept 3rd- recommends test of circuit breakers at NY be official approval of GE type.D&L To GE - gives action on - 8/23- L Inspr GE-10;22 To Inspr GE- Tests not required and will inform NY. 10-27 To I.M. Ny- Rest waived. 10-27
440138	8;16	Inspr GE	Fwds copy of letter from GE Co stating delivery of material to M IS by Sept 30 impossible.D o Inspr GE- Reqts continue endeavors to have GE Co expedite completion and shipment of propelling machinery. 8-20
439199	8;1 8;11	Inspr GE NY	Propulsion control apparatus-fwds prints.D To I.M. Ny- Lists prints appvd with comment.8-18 GE - 8/29 NY - 9/6 - auxiliary terminal panels - fwds print - D To I.M. Ny- Plans appvd with comment. 9-10 NY-arrangement of cables through port side of bulkhead-fwds plans-11;22 To I.M. Ny- plan appvd as modified. 11-29 NY-fwds GE Co prints-1;13 o I.M. Ny. plan appvd: 1-20
441371	8;21	Inspr GE	Fwds copies of specns for Grille work.D To Inspr GE- GE specifications appvd. 9-5
441401	8;20	Inspr FR void	Submits list of incomplete work with amounts recommended for reservation.D

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N.S.E. Form 134.

592-9: CALIFORNIA: AUX MACHY

Number.	Date.	From or To—	Subject.
441403	8:13 8:21	Inspr GE NY	Arrangement of cables in control room-fwds prints. D
		To I.M. Ny- Gives instructions for making up drawings. 9-22	To I.M. Ny- Plans disappvd. 9-6 NY-reqt approval change in wir sizes. D&L
444848	9/9	GE	Circuit breakers for generator bores - fwds print - DL
		Inspr GE-fwds data sheets and photos also sketch showing arrangement of latch and coil-1;16 To I.M. Ny- Reqts comments and recommendations on test report. 1-23 NY-2;9	To Inspr GE- Reqts complte report of shop test of 4-pole circuit breakers. 9-16 Inspr GE-circuit breaker for generator parts under test-12;22
411754	9-6	SEE CARD 13	SEE CARD 18 To I.M. Ny- Lists plans appvd. Db NY-fwds ?? of interlock-9;23.D NY 10-3 Fwds print. To I.M. Ny- Plan appvd. 10-11 N.Y.: fwds print: 11-26: D To I.M. Ny- Plans appvd with comment. 12-2 NY-ventilator supply panel-fwds prints-1;6 To I.M. Ny- Plan appvd. 1-12
446693	8;23 9-9	Inspr GE NY	Switching mechanism for propulsion control apparatus - fwds prints. D
		NY-fwds prints-1;13	To I.M. Ny- Plan appvd with modifications. 9-24 To I.M. Ny- plan appvd. 1-20
446977	8;28	E. L. Beach	Letter to Admiral Dyson thanking him for article on the "CALIFORNIA"

N.S.E. Form 134.

CALIFORNIA : AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
415908	5-3	N Y	Cable supports and connections to propelling motors- Fwds prints - D To I.M. Ny- Plans appvd with comment. 5-9	
422210	5;19 5;29 To I.M. Ny- Plans appvd. 8-1	Ins. GE NY	Field and booster wiring fwds prts D To I.M. Ny- Plan appvd. 6-19 To I.M. Ny- Lists additional information to be added to drawing. 6-20 NY-wiring diagrams of propulsion control-fwds prints.7;26	
423945	6;6	Ins. GE	Cross section assemply of turbo generator set in connection with placing or designating numbers in circuits D	
423166	6-6 To Inspr GE via I.M.Ny-1-5 NY-1;22 To Solicitor Gives list of Addnl spare parts required 6-14.RB-6:25-DRB 7;1 To Gen Insp Phila. Cost of chang in mchy. CC-Inspr GE. 6-26. To I.M. NY Mat quoted upon shld be	To I.M. Ny Inspr GE fur 6-26.	Propulsion - Main A.C. Generators. spare parts. Insulation to be supplied to cover one complete set of terminals in lieu of 1/2 set of windings for rotor. DS NY-fwds estimate of Inspr GE-12;31 NY - fwds estimate - 6/2 - D	
426336	5-21 6-17 To I.M. Ny- drawings appvd.2-6	NY	Propulsion control apparatus- Fwds print To I.M. Ny- Proposed arrangement and recommended by NY Yd appvd. and details to be worked up by GE Co. 6-28 NY - Engine room switchboards and auxiliary reserve switch - fwds prints -11/1 To NY approved as modified 11/7 NY - fwds prints - 1/20	D

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[OVER.]

CALIFORNIA: AUXILIARY MACHY. 592 - 9

Number.	Date.	From or To—	Subject.
429845	7/1	NY	Arrangement of wiring in forward and after engine rooms - foundation and cofferdam plug heads - fwds prints - D o I.M. Ny- Plans appvd. 7-7
NY NSA 2255	8/4	Fwd S&A	Recommend award be made to Turbine Equip Co at $3087.90 for TENNESSEE and CALIFORNIA R
393836	SEE CARD 12		N.Y.- Subm prints covering propulsion control apprs . 7/7 Inspr GE 7/9 - N.Y. 7/17- Fwds Prints on testing and terminal board. D NY-fwds prints of engine room switchboard.7;31 To I.M. Ny- Lists plans appvd.8-12 NY-arrangement of wiring in engine,motor and control rooms-fwds prints.8;2;
432520	7-2	Inspr G/E.	& W.Va. fwds copies specfns covering wheels. (Not rec'd) To Inspr G.E.-Reqt copies. 7/18 GE.E. fwds specfns covering wheels 7/24
433952	7;19	NY Card 16	Arrangement of wiring on control room bulk-heads also stations in control room-fwds prints.D To I.M. Ny- Lists drawings appvd. 8-13 N Y 8-27 Arrangement of control room instruments-Fwds prints- D To I.M. Ny- Plan appvd. 9-12 copy to Mare Island. NY-re to arrangement of control room instruments-9;22
435538	7;9 7;24	Inspr GE NY	Submits plans of control panels for engine room auxiliaries.D o I.M. Ny- Lists plans appvd with comment. 8-4
436520	7;25 7;31	Inspr GE NY	Exhaust end of main turbine castings-fwds print.D To I.M. Ny- Proposed method of repairing the exhaust end of the main turbine casing disappvd. 8-4 NY-9;25

To I.M. Ny- Will accept casting when repaired according to appvd drawing. 8-20
Inspr GE-9;20

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592- 9 Main Eng's.

CALIFORNIA: ~~AUX MACHINERY~~

Number.	Date.	From or To—	Subject.
402699	3;13	Ins. GE	CALIFORNIA; MARYLAND; WEST VIRGINIA Annealed nickel steel turbine bucket wheel forging fwds. specifications for approval (cross to 637- 1)
		GE - fwds specification for steel turbine bucket steel forgings - 3/26	To Inspr GE- Specifications apprvd. 3-21 Inspr G.E. 3-22 Request action.
403717	3;17	Ins. GE	GE Co ask time of del. of switchboard and control apparatus at Mare Is. Yd. D
		To- Delivery of switchboard is desired by Dec. 1st. copy to I.M. Ny. To Mre Island (T)-Advise delivery main switchboard and control apparatus/ for. 3-26	
	4;25	Ins. GE	M Is (T) deliver main switchboard and control apparatus desired 12/1 - 3/27
385217	3-22	SEE CARD 11	To I.M. Ny- Lists plans apprvd with comment. D
		N.Y.- Engine room switchbd -wiring diagram-Fwds prints. 6/14	Inspr G E 5/5- Changes in switchboard- Fwds sketch -
		To I.M. Ny-Plans apprvd with comment: 6-18	Fwd I.M. Ny- copy to Inspr GE. 5-10 RB 5;19
		To I.M. Ny- Plans appvd with comment 6-24	NY 6/9- Fwds plans rec ignitions, fuses and certain switches control apparatus - D-L
406051	3;26	Ins. GE	Fwds. copy of specifications for - be annealed carbon steel turbine bucket wheel forging D
		GE - fwds copy of GE specifications for dimensions, quality, etc of annealed carbon steel turbine bucket and steel forgings - 4/21	Specifications for annealed carbon steel turbine bucket wheel forgings apprvd. 4-2
			To- Reqts copy of specifications for annealed carbon steel turbine bucket wheel forgings. 4-17
407464	3;31	Ins. GE	Contactor panels for eng. room aux. motors fwds. prts D&L
407463	3;31	Ins. GE	Contr. req. approval of prts covering contactors panels for eng. room aux mot. D&L
		To- Plans apprvd with comment. 4-16	To Inspr GE Co- Bur has not recd blue prints covg changes in starting panels- 4/5 RB 4-8

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N.S.E. Form 134. Main Eng's.

CALIFORNIA: ~~AUX MACHY.~~ 592 - 9

Number.	Date.	From or To—	Subject.
410607	4/12	GE	Fwds GE Co's specifications of propelling equipment ~~CALIFORNIA: MARYLAND & WEST~~ VIRGINIA. D To Inspr GE- Specifications appvd. 4-18
410624	4/11	S&A	Copy of letter to ~~York Manfg Co requesting expedite delivery of refrigerating equipment~~ for - D
410817	4;12	NY	Arrangement of wiring and fwd and aft engine room foundation and cofferdam bulk heads fwds prts D To- Plans appvd. 4-21
411784	4/16	GE	Request confirmation of understanding of interlocks will be added to motor disconnecting switches propulsion control apparatus - D To- Confirms understanding re omission of interlocks from cell doors. 4-21
413211	4;22	Ins. GE	Reqst. copy of prints of table and current giving capacity D To- Fwds plan. 4-26
414051	4:25	Ins. GE	Copy of let. to GE Co asking what steps have been taken 2nd stage turbine wheels to bring wheels of CALIFORNIA into standard of wheels of other ships of her class D

6 GE Co - 8/27 NY-9/2-fwds prints with comments-D

To I.M. Ny- Reqts additional copy of drawing listed. 6-19

To I.M. Ny- Reqts additional copy of motor disconnecting switch interlocks. 6-23

NY.- fwds prints - 7/1

To I.M. Ny- Plans appvd with comment. 6-8

To I.M. Ny- Lists condensers to be omitted from wiring. 7-15

NY- Lock & Interlock-comments and rqsts Bur. opinions. D 7/18

N.Y.- Fwds prints. D. 5/26.

N.Y.- Arrangements of locks and interlocks- fwds prints. 6/13.

To I.M. Ny- Gives additional information reqted. 7-22

Card 5

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
393776	2;10	NY	Advises mechanism for field selector switches L To- Plans appvd without comment. 2-14
393836	7-26	To I.M. Ny	Planspropulsion control apparatus appvd. Db
393836	2;10	NY	Fwds print showing steam limit indicating switch DN To - Plans appvd. 2-28
NY fwds print showing arrangement of control room switchboard 3;15 D			
To I.M. Ny- Plans appvd. 3-21			o I.M. Ny- Gives supplementary instructions in re to indicating lamps. copy to Insprs NYS
o I.M. Ny- Gives instructions for wiring diagrams. copy to Inspr G. 4-17 and GE Co.			
	5;17	NY fwds prints	o I.M. Ny- Reqts latest drawing. 6-27
393985	~~12~~-12	To Inspr GE	Turbine blade plans. Lists plans reqts furnish. Dc
398086	2;25 2;6	Ins. GE Ins. GE	Turbine wheels CALIFORNIA & MARYLAND reports on trouble experienced by GE Co D o Inspr GE- Waiver of inspection disappvd. 3-12
398391	3-1 4;9	To Inspr GE Ins. GE	Changes in exciter and aux exhaust connections to main turbines. fwds prints. Db Ins. GE modification satisf. to contr. 4;3
To I.M. Ny- Contract water rates not to be changed. 4-16			To Inspr GE- Rqst reply to ltr Mar 1st- 4/7
To Inspr G- Contract water rates not to be changed. 4-16			
399783	3;4	NY Ins GE 4;26	N Y 10-17 fwds print. SEE CARD 16 Assembly of switching apparatus fwds prints D&L To- Lists plans appvd with comment. 3-13

SEE CARD 14

N.S.E. Form 134. Main Engs.

CALIFORNIA ~~AUX MACHY~~ 592 - 9

1919

Number.	Date.	From or To—	Subject.	
399875 Mare Is. 3;8 To-	3/4 tel. turbo gen. required 9-15 Turbo generator to be required	GE by Sept. 30th. copy to NY I.M3-11	Asks information as to time reqd for delivery of main turbo generating sets M Is - D To Mare Island(T)-Advise required date delivery main turbo-generators. 3-7 copy t to I.M. Ny.	
399981 To I.M.	3/5 3;31 Ny- Use of 11,000 circular mils cable appvd. copy to Inspr GE. 4-21	NY NY	Fwds prints showing arrangement of wiring in engine room - D To I.M. Ny- Lists drawings appvd with comment. 3-24 To I.M. Ny- Fwds prints. 4-12 To Ins. GE relative to wire size 4;5 D NY - fwds prints - 4/26 NY fwds print 5;1	
399932	3/6	To Inspr GE (T)	Direct GE to proceed to substitute CALIFORNIA rotor for damaged rotor NM 3/6 Db	554-9
400586	3-3	Inspr G.E.	N.Y. 3-7 Request that question of location be considered immediately D	
401200	2/24	NY	Fwds plan ventillation damper indicator gears for main propelleing motor-D To IM Ny Plans appvd 3/11	592-13
401781	3-13	To Inspr GE	Main turbine water rates. Revised estimates of. Reqts expedite. 3-13 Db	

Number.	Date.	From or To—	Subject.	
359027	10;15	NY	Thrust bearing for main turbines fwds prints D To NY, approves revised plan 10-23	
359322	10/15	GE 634	Fwds contrs letter requesting authority to furnish litho prints or van dykes as general procedure - D GE Co -	634
376287	12-10	Telegram -W.C.Watson	Can witness test of machinery Friday - Request notify those interested	D
376735	12/7	NY	Lub oile collers for generating sets fwds plans L.	592-5
380265	12-19 12-24	Inspr. GE NY	10,600 K.W. main units #1 will be shipped to Mare Island - first asks engine room in which this set is to be installed Fwd. Mare Is. 12-28	D

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N.S.E. Form 134.

Main Eng's.

CALIFORNIA: ~~AUX. MACHINERY~~

Card 13

Number.	Date.	From or To—	Subject.	
385217	1;13	NY	To I.M. Ny-Reqts that one set of spare fuses be furnished suitably secured to each switchboard Propulsion condensor apparatus fwds prints for comments on D	4-12
	To- Lists plans appvd with comment. 3-11		To- Lists plans appvd with comment. 1-30	
	To I.M. Ny- Objections to installation are withdrawn 3-12		NY - fwds print - 2/28	
	To I.M. Ny-:Lists modifications desired on plans. Copy to Inspr GE.		NY - 2/28 NY fwds prints showing arrangement of lockers and interior lockers 3-7	
	To I.E. NY-Desries install speed indicating device. Copies to Yds & Inspirs. 3-19			
386149	1;16	NY	Fwds prints shwoing assembleing and details of main propelling motors for D	
8	To I.M. Ny- Plans appvd with comment. 6-27		To- Lists plans appvd with modifications. 2-13	
			N.Y.- Fwds G.E CO. Prints. 6/20.	
8				
380319	3-4	To I.M. Ny	Air ejector for main and dynamo condensers - motor drawings. Control panels of the contactor type will be required. copy to inspr NNs. Db NY fwds prints and specif. 5;15	
	To I.M. Ny- Plans appvd with comment listed. 5-20			
387630	1-28	To NY	Main propelling motors, details of. Plasn appvd. Db	
390031	1;28	Ins. GE	MARYLAND & W. VIRGINIA in connection with test of wheels for turbines D	
			To Inspr GE- Satis to test rotors at 15% overspeed. 1-31	
389885	1-30	To GE Co (T)	Cahnge in switchboard to give aisle not desired. Db	

CALIFORNIA: MAIN ENGINES

Number.	Date.	From or To—	Subject.
324597	7-7 7-15	NY To NY	Support for low pressure emergency valve on main turbine - fwds print - D&R Plan for supports for low pressure emergency valves on main turbines, approved, D
331561	7-27	NY	Arrangement of locks and interlocks - also tank lifting device - fwds print. DR To NY, Approving dwgs subject to comments 8-5 To GE, Fwds copies of prints 8-28 To NY, approves dwg re alterations 9-14 To NY, approves GE drawing 10-28
	NY - propulsion control apparatus - fwds plans - 9/6 DR		
	Ny Test lifting devices fwds plans 10:8 D NY 11:1		
331470	7/22	M Is	Request that GE Co be directed to furnish list of tools - wrenches, etc for propelling machy and auxiliaries for - D Fwd Inspr Schenectady, 8-10 To M Is. Fwds S E Allow Books, 8-10 Mare Island 9-11 request action To M Is, fwds additional copies 10-10 M Is - reqst reply to letter of 7/22 -10/11 To M Is, Fwds list of spare parts 11-1
338224	8-8 8-15	Inspr GE NY	Main turbines gear casings - fwds prints - D To NY, plan approved, 8-28
341330	8/23	NY	Lubrication system in engine rooms; fwds detailed prints - DR To NY, Rqst duplicates of above, 9-11
341984	8-26	NY	Fwds plan showing baffler to be connected with emergency forced lubrication system - DR To NY, plan approved, 9-9

N.S.E. Form 134.

CALIFORNIA: MAIN ENGINES. 592 - 9

Number.	Date.	From or To—	Subject.	
351557	9/14	M Is	Status of oil coolers on contract 29972 for-R	
356053	10;3	Ins. GE	Request list of piping and additional inside main throttle to be furnished by Bureau D R To Inspr Schenectady, re piping & fittings at the main turbine 10-11	
356686	10;7	Ins. GE	In connection with changes in drawing of valve casing so as to be -- service machine off flush. DK To Inspr Schenectady, approves change 10-11	
29972	10/8	Inspr Phila	Gives dates of shipts of oil coolers for CALIFORNIA	629
357109	10-11	To NY	Approves changes in turbine head and valve casing D Inspr. G.E. Oct. 23 To Inspr Schenectady, changes to be made without gaskets 10-29 To Inspr Gen Electr Co., (T), Gaskets acceptable for valve chests but not for turbine casings, 11-14	

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Number.	Date.	From or To—	Subject.
307029	5-8 5-13	Inspr GE NY	Main turbine casings - fwds blue print covering remedy for casing being sprung in hydraulic test. D To N Y Main turbine casting, exhaust end, method shown on plan not approved, 5-21
307028	5-13	NY	Gear casing, main turbines - fwds drawings showing patch on lower pad for bracket carrying worm for governor drive. D To N Y Re Gear casing, main turbines, method proposed by Gen'l Elec Co not Approved 5-21
308379	5/18	NY	Protecting screen for main motors - fwds print - D To N Y re protecting screens for main motors 5-24
307668	5-16	NY	Forced lubricating system in engine rooms. Fwds prints. DR To N Y plans approved, 6-4 NY - Forced lubrication system in engine rooms fwds prints 7/13 To NY, plans approved 8-1 NY 8/13 - Fwds plans for modifications - D To NY, plans approved 8-27
310743	5-25	NY	Main generator - fwds drawing lists. D&R
311048	5-26	NY	Main motors stator coil winder - fwds prints. DR To N Y, approving dwg, 6-3

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592 - 9 CALIFORNIA: MAIN ENGINES 1918

Number.	Date.	From or To—	Subject.	
311976	5-29	NY	Fwds print showing outline of generator for. D & R Main Generater with line; fwds plans D R 10;8 To NY, plan approved, 10-17 To Inspr GE Co- Rqsts fwd 1 blueprint copy of drawing W-116813,5, assembly of 300 KW non-condemning turbo-generator set- 4/10 GE - fwds prints showing non-condensing turbo generator sets - L 4/18	
311968	5-28	NY	Fwds blue prints showing assembly of auxiliary switch and outline of magneto locking device - also material list. D R To NY, drwgs approved, 6-4	
311983	5-29	NY	Fwds plans showing details of tinning gear for main turbo generators on. D R To NY, plan approved, 6-11 NY - 6/19 To NY, Rqstg plans showing details of turbo generator. 6-21	
310743	5-31	TO NY	Approving drawing list for the main generators S 92-19	
314074	6-8	To N Y,	Rqstg complete set of vandyke prints covering in detail the G E turbo generator sets L To NY, re external oil coolers 6-13 New York 6;14	
315431	6;8	N Y	Control room apparatus, fwds prints. L To NY, approving dwgs re control room apparatus 7-9 To Insp Schenectady, Re defective plans 7-11	

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CALIFORNIA: MAIN ENGINES

Number.	Date.	From or To—	Subject.
286222	3/2	NY	Guide pins for main motor shields - fwds print/ To- Plans appvd. 3-11
286921	3-5	NY	Installation supports for connections straps main generators - fwds plans. L D To- Dimensions apvd. 3-12
289641	3-16	To W.C.Watson (T) (G E Co)	Monday satis. consultation. D
292799	3-26	NY	Propeller machinery motor - stator coil diagram. Fwds print. D To- Plan appvd with comment. 4-2
293762	3/29	NY	Water and lubrication service in motor rooms and shaft alleys - fwds plans - D To- Plans appvd with comment. 4-5
294401	3/20 4/30	GE NY	Main propelling motors - rotor winding connections - relative to error in - DR To- Motors accepted as wound. 4-10

N.S.E. Form 134.

CALIFORNIA: MAIN ENGINES. 592 - 9

Number.	Date.	From or To—	Subject.
298043	4/13	NY	Oil baffler and valve for lubrication system main turbo generator - fwds plans - DR To- Plans appvd With comment. 4-19 NY - 4/24 - D To- Lists changes to be made in specifications. 4-30
299955	3/23 4/12	GE Co M Is	Order of precedence and shipment of propelling machy. Fwd Mare Island- 4-25 R B 5/25 Fwd Mare Island 5-28 To M Is (T), Rqst reply re shipmt of propelling machinery, 7-5 M Is (T) lists propelling machy reqd - 7/6 To Inspr. Schenectady, listing shipment propelling machinery, 7-9
300351	4/21	NY	Main turbo generator outline plan - fwds - D To- Plan appvd. 4-25 NY - Fwds print. 5-17 To N Y, Re main turbo generators, outline of, 5-24 NY - Fwds sketch showing dimensions. D 7-3 NY - fwds print showing outline of main turbo generator - 7/7 - D&R To NY, satisfactory to chip structural foundations to clear the turbine exhaust 7-12 To Indust. NY, revised plasn approved 7-15
301698	4-29	To NY	Forced lubrication System in Motor Rooms and shaft Alleys, Cut-out valves for, NY - Fwds print. 5-17 To N Y, Re forced lubrication system in motor rooms and shaft alleys, modification of, 5-25 NY - Fwds prints. D 6-17
304135	4-23 4-27	G E Co. Mare Is.	Submits revised schedule of delivery of propelling machinery for D
306971	5-13	NY	Fwds copy of contractors plans showing supports for connections to main generators. To N Y re arrangement of Bus Work, 5-21

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CALIFORNIA: MAIN ENGINES:

Number.	Date.	From or To—	Subject.	
188715	5-23	To GE Co.	Reqt six copies of specfns for propelling machy and lists of spare parts. D	
189789	6-5	To GE-NY-M.Is.	Contract 26208 with GE Co. for propelling machinery; gives procedure in submitting correspondence, plans, in connection with inspection. N To NY--Fwds copy specfns. 6/20 To NY--Fwds specfns. 8/3 To M.Is.--Reqt schedule for Form 102.	11/10
192006	6/29	To GE	Instruments for recording temepratures in generators in engine rooms; directs be installed as change in cost	554-9
194733	7/27	To NY	Suction of ventilating motors; for;suggestions for installation of	554-9
195384	8/1	GE	Asks if horsepower and propeller speed have been definitely determined; request curve	554-9
196541	8/16	To GE via NY	Request instruments be furnished for measuring the temperature in the coils of the alternatig current generators and motors	554-9
197006	8/16	NY	Ventilating motors of main motors; fwds plan of suction, etc/	554-9
197726	8-24	GE	Main turbo generators; asks if type inlet valves on NEW MEXICO to be duplicated.D Fwd NY for comment 8/31 RB 9-8 GE request action 9/2 NY (R) gives most desirable location 9/8 ~~M.Is (T) no record of test referred to;~~ request alternate plans 9-8	
	To NY--(R)Reqt action.9/7 Inspt. G.E. reqs. action 9-10 To GE--Valve shown on Bu plan 43-B-59 will be used.9/12			

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CALIFORNIA: MAIN ENGINES. 592-9

Number.	Date.	From or To—	Subject.	
197558	8-24	TO GE	Speed and power curves; Fwds.D	
199028	9-9	GE	Instruments for recording temperatures in generators and motors; estimate. D To-- Appvs. 9/15 GE approves list 9-19 To--Only two instruments are necessary. 9/22 To (T)-Appves furn tem mearsureing apparatus. 1-23	
199398	9-12	NY	Main turbine; detailed plans; GE contract 26207; fwds.D To--Comments on 9/25.	
200361	9/26	NY	Turning gear for main propelling motor ~~shts~~ type.D	573-9
202964	10/18	GE	Instruments for recording temperatures in generators and motors; estimate change in cost.D To--Change appvd. 10/21 To Gen Inspr--10/21	
206311	11-21	GE	Contract 26207; does not give water rates; request data.D To--Was fwded. If cannot be found reqt duplicate of contrs. 11/27	
206408	11-23	NY	Fwds corres from Inspector GE and makes recommendations relative to throttle valve casings, gage board, etc.D To--Plans appvd as submitted. 11/25	
210292	12-30	NY	Motor generators; fwds plan.D To--Plans appvd. 1/10	

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N.S.E. Form 134.

CALIFORNIA: MAIN ENGS. 592-9

Number.	Date.	From or To—	Subject.
215269	2-16	NY	Turbine shell upper half; fwds plan.D. To--Plan appvd. 2/28
216312	2-27	NY	Main turbines; valve casing; plan.D To--Plan appvd.3/9
217224	3-7	C&R	Main propelling generators and 300 kw generators foundations;plan. D Fwd C&R--Plan satis with comment.3/15
217879	3-12	NY	Main turbine bearings; proposed to duplicate NEW MEXICO type; NY recommends self aligning type. D To--Will appvd design shown on plan SE No 44-B-120. 3/20
218264	3-14	GE	Cable leads main turbo generator; asks if should be brought out at bottom or top of generator stator. D Fwd NY--For comment.3/19 RB 3-27 To via NY--Endorsement as quoted from NY appvd.3/29
219359	3-22	NY	Main turbo generators; outline plans; fwds with comment.D. To--Plan appvd with modif.4/3 NY modified plan stator frame; 4-7 To--Plan appvd with comment.4/18
219236	3/26	To GE via NY	Exciter set exhaust connection to main condenser increased size of. Instrns. D
220504	3-20 3-31	GE NY	Main motors; outline, detailed, and drawings list; fwds. D To--Plans appvd with modif.4/13

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CALIFORNIA: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
211434	1-12	NY	Main prope ling motors; ventilating equipment for; fwds plan.D To--Plans appvd. 1/23
211963	1-15	NY	Main turbines; fwds detailed plans.D To--Plans appvd with comment. 1/27
212058	1-13	GE	Main generators; stator coil winding;plan.L To GE via NY--Plan appvd. 1/25
211672	1/16	NY	Main generators; fwds detailed plans.D To--Plans appvd. 1/24
212357	1-20	NY	Main generators; bearings for; fwds plan.D To--Plan appvd with modif. 1/27
212973	1-17 1-29	GE Co NY 1	Recommends change in ventilation for generators.D 1-29 To GE via NY--Directs change in venitaltion.1/31 GE work being held up,pending receipt of Bureau's decision 2/2
213905	2-6	GE To GE via NY--Change appvd.2/16 To Gen Inspr--2/16	Main generators and motors; instruments for; submits estimates inc cost; recommends equipment duplicate NEW MEXICO. D Fwd NY--for comment and rec. 2/9 RB 2-15
214155	1-25 2-8	GE NY To GE via NY--C&R has auth Lowering of room.2/24	Arrgt operation rooms.D To C&R--Rec floor be lowered; Rec similar action for MARYLAND & WEST VIRGINIA. 2/12RB 2-26 C&R fwds copy of action taken on MARYLAND and WEST VIRGINIA, COLORADO and WASHINGTON (2 letters) 2/19

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CALIFORNIA: MAIN ENGINES. 592 -- 9

Number.	Date.	From or To—	Subject.
224 073	4/18	NY	Main turbines; details of standard and cap for end bearing; fwds prints D To--Plan appvd.4/30
224078	4/18	NY	Gear casing for main turbine; fwds print. D To--Plan appvd.4/28
~~4-27~~ 899	4-27	Schutte-Koerting Co.	Oil coolers for TENN & CALIF/ explains bid. 706
228954	4/26 5/16 NY - Fwds prints 7/10 D GE - fwds prints 8/6 D To NY--Plan appvd. 8/14	GE NY	Auxiliary motors and control panels - fwds prints L To NY--Plans appvd.5/31 NY - request Bureau No. be assigned certain plans 6/12 D To via NY--Gives file numbers.6/15
228941	5/17	NY	Main generators - details of and drawing list - fwds D To--Plans appvd.5/25
2289400	5/17	NY	Main generators assemply and details of - fwds D To--Plans appvd.5/25 To--Gives Bu numbers to plans.6/1 GE Co 6/4 - NY 6/9 - relative to numbers assigned plans D
228939 NY fwds prints 10/15 DA To NY, comments re above prints 10-29	5/16	NY	Main generators - details of - fwds print D To--Plans appvd.5/25 NY - request correct numbers assigned prints of details of generators D 5/31 NY - fwds prints 7/15 D To NY--Plans appvd.7/19

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CALIFORNIA; MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
220522	3-31	Lt. FJ Shafroth HENLEY MAYRANT; CALIF; TENN; requirements for material entering into main propelling apparatus.		442-9
221834	4-9	NY	Name plates on main turbines; plan.D. To--Appvd.4/13	
222133	4-8	NY	Foundations for main turbo generators; 300 kw sets. D Fwd C&R--4/17	
221665	4-7	NY	Main turbines; detals of packing casings,plan.D To--Plan appvd.4/17	
221666	4-7	NY	Details of exhaust head exhaust casing;plan.D To--Plans appvd. 4/18	
222594	4-31 4-11 To GE--Reqt contrs comments be expedited.5/25 GE states comments were fwd 5/22 5/25 D	GE Co NY	Main A-C cables for propelling motors; reqt decision re type to be used and manner of running.D. Fwd GE--Comments on.5/4 R B - with detailed comments by GE Co and Insp. 5/24 D	
222772	4/6 4/13	GE NY	Contract 25207; cable leads for main turbo generators.D To GE via NY--Appvs location.4/18	
223443	4/17	N.Y yd.	Details on main turbines - forwards prints D To--Plans appvd.4/28	

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N.S.E. Form 134.

CALIFORNIA: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
233631	6/4	GE	Main generator details - fwds prints D To NY--Plans appvd.7/2	
233712	6/13	NY	Main turbines - fwds prints of details D To--Plans appvd.6/23	
5 236615	6/30	NY	Main turbines cross section assembly of - fwds prints D To--Plan appvd.7/10	
237785	7/10	NY	Main turbines - fwds prints of details D To--Plans appvd with modif.7/18 NY - fwds print 9/10 - D	

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CALIFORNIA: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
230388	5/25	NY	Lagging and terminal pumps for main generators - fwds prints D To--Plans appvd.6/1
230607	5/27	NY	Main turbine - fwds plan showing details and drawing lists D To--Plans appvd.6/5
231208	5/29	C&R	Foundations for main turbo generator and 3 KW sets - fwds prints D To--Plan satis.6/2
231207	5/29	C&R	Foundations for propelling motors - fwds prints D To--Plan satis.6/2
229925	5/29	Fwd NY	A.C.Cables, specns for. Comments re requirements for. D R B 6/23 NY - relative to cable 7/2 D To GE --Fwds copy of letter of May 29th. 7/7

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CALIFORNIA: MAIN ENGINES. 592--9

Number.	Date.	From or To—	Subject.
250850	9/26	To NY	Switchboards, wiring and controls for main propelling machy for. Fwds blueprint with detailed comments on operation, etc.
253274	10/5	NY	Recommends contractors for propelling machy be required to completely set up machy at works to determine whether all parts fit - D ~~To GE--Instrns as above.~~ 10/9
249883		OVER	NY Asks if Bu's file number be assigned to plans. D 10/15 To NY- Give file numbers for plasn. 10-17
254969	10-1 ~~Fwd Mare Island- 10-27~~	Reliance E&E Co	Motor for turning gear; contract 28307; contractors reqt date of delivery be advanced. DS Fwd S&A - Advance deliveries satis. 10-17 RB 10/22
255140	10/15 Fwd C&R-10-22 To C&R-Reqts comment. 11-3 To C&R-11-8	NY R B 10/30	C&R - States sketch plan not recd 11/12 D Proposed arrangement main generator and propelling motor cables-Fwds print. L&D C&R - question was handled on letter of Oct 22nd 11/5 L & D
255425	10/17	GE Co	Propulsion turbine construction-asks order in which Bureau desires to have turbines completed. (Cross to Engines, turbine, and Inspr GE.) To- Lists order of completion desired. 10-22

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CALIFORNIA: MAIN ENGINES.

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Number.	Date.	From or To—	Subject.
237786	7/10	NY	Main turbo generator - fwds plans of assembly and details D To—Plans appvd.7/17 NY - fwds prints 7/23 D To—Plan appvd. 8/14 NY - fwds print 8/23 D To NY—Drawing appvd.9/1 To- Plans appvd 9-20
238642	6/29 7/13	Westinghouse NY	Contract 26207 - fwds prints showing Co's proposals for mounting on motor shields for short circuiting collector ring D To—Plans app d 7/20
243397	8/3 8/10	GE NY	Main motor - fwds prints of details D To NY—Plans appvd. 8/20 NY - fwds prints 11/9 D To NY- Plans appvd.lists same. 11-16
246652	8/13 8/29	GE NY	Type of end bell proposed for use with A C propulsion cable - fwds print D To NY—Drawin g disappvd.9/22 NY - fwds prints 11/10 D To NY- Plans appvd. 11-17
249883	9/18	New York OVER	Main turbines-fwds prints.D To- Desires information as to method of cooling bearings before final action is taken on plans.9-28 NY Yd 10/4 D To NY—Plans appvd.10/8
249829	9-20	To GE	Main generator rotor and thrust due to collision or grounding.Reqt information. 9-20 To- fwds prints. 10-29 To GEPlan appvd. 10-29 Inspr GE-Fwds prints.10/16.D

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CALIFORNIA: MAIN ENGINES: 592 - 9

Number.	Date.	From or To—	Subject.
261250	11/9	GE	Substitution of varnish cambric instead of rubber insulation and motor generator and cables - states believes Bureau entitled to decreased cost for the cambric installation as substitute - L Inspr-GE-rel to substitution of furnishing cambric in place of rubber insulation.L
25514 0	11-22	To NY See card 5	To NY-11-22 To NY 12/3 L To- Considers not safe to cut girders to run cables thru them. 12-8
265068	12/3	NY	Forced lubrication system - fwds prints - To- Plans appvd. 12-19
267390	12/13	NY	Main turbines - fwds detailed plans - To- Plans appvd. 12-29
267477	12-14	NY To- Plans appvd with modification To- Plans ap vd. 2-18 To- Rights valve stem be fitted with a T handle. 3-4 NY - Fwds print. 3-16	Lubrication, emergency, for main turbo generating sets; fwds prints and copies of correspondence with GE.D NY 12-15 To- Plans appvd. 12-22 NY - fwds print 1/12 - D NY-Fwds print.D 2-9
269443	12/23	NY	CALIFORNIA--turbo gen sets-arrangement in detail-fwds prints.12/23.D To- Lists plans appvd. 1-10 NY-fwds prints.1/17 To- Plans appvd. 1-26

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CALIFORNIA: MAIN ENGINES.

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Number.	Date.	From or To—	Subject.
258942	11/3	NY	Main generator cable bulk head plates - fwds plan - L & D To- Plans appvd with modificatins. 11-13
259948	11/9	NY	Main turbines - testing diaphragm - fwds prints D To- Plan appvd. 11-16 NY - fwds prints 1/3 - D To- Plan appvd. 1-12
260026	11/6 11/10	GE NY	Relative to location of controlling switch for motor heaters - D To NY- Concurs in recommendations. 11-17
260770	11/12 To NY- type apvd. 1-10	GE Co	Relative to control appliances for auxiliary motors for engine room equipment - request instrns relative to test - D To NY- 11-19 NY - starting panels for ventilating equipment submitted by GE Co - reports on test for proof against shock of gun fire - recommends for Naval service 12/28 D
260877	11/14	NY	Fwds print showing sets reqd for removal of main generator rotor - D To- Plans appvd. 11-24
261138	11/15	NY	Main motors-fwds prints.D To- Plan appvd. 12-1
261825	11-20	to NY	Gages for engine room gauge boards. D
261250	11-24	To NY	Insulation of singl conductor cables. L

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CALIFORNIA: MAIN ENGINES. 592 -- 9

Number.	Date.	From or To—	Subject.
276626	1-23	GE Co	& WEST VIRGINIA & MARYLAND; turbine machinery-suggests they be permitted to temporarily suspend work in order to take up propulsion of merchant ships; also applies to BATTLE CRUISERS.D
		To- Machy to be delivered not later than May 16th. 1918. 3-5	To NN- Ask contractors if a postponement of for building is satis so that GE can undetake useful activities. Inform decision. 1-28
277184	1-28	Inspr Union T	Main engine and auxiliaries-request Bu authorize N London to fwd prints. D
		92-0-9	oGroton (T)- wd Inspr Union usual prints E 15 to 20 as furnished Inspr FR similar boats. 1-29
			To- Gives detail action taken. 1-30
281104	2-9	N Y	Name plates for main engine turbines, gens and motors - forwards prints. D
284070	2/23	NY	Details of dampers for ventilating main generators - fwds plans - D
			To- Plans apvd.3-8
285568	2-18 2-28	Inspr GE NY	Main A C cable p fwds specifications for approval. L
			NY - fwds request from GE for change in specifications - D
			To NY- Specifications appvd. 3-16
NY-cable joint-cable support-cable stuffing boxes-fwds prints-12;17			To I.M. Ny- Plans appvd. 2-18
285573	2-28	NY	Main generator outline plan-fwds. D
			To- Plans appvd. 3-13
			NY - Main generators - request instrns Re fitting butterfly valve in exhaust connections main turbine belts.3/20
			To- 3-26

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CALIFORNIA: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
270778	12/31	NY	Main generator details - fwds prints - D To- Plans are appvd. 1-11	
273001	1/10	NY	Special spring terminals for insulators - relative to omitting - D To- Concurs in recommendation of Yard. 1-14	
273643	1/10	NY	Main turbine--fwds plans.D To-Lists plans a pvd. 1-24	
273629	1/11	GE	Fwds certified report on tests of four low speed shafts - D To- Shafts accepted. 1-16	
274491	1/16	NY	Main throttle valves - fwds prints - D To- Lists plans appvd. 1-29 NY - Fwds modified plans. D 2-27	
274492	1/16	NY	Main turbo generating pipe fittings - fwds prints - D To- Lists plans appvd. 1-28	
275221	1-18	NY	To-Plans a pvd. 1-26	

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CALIFORNIA BOILERS: 1921

Number.	Date.	From or To—	Subject.
589975		SEE CARD 5	To MI Condenser alterations to evaporators at Contractor's expense 11/25 Dn MI- Subm report on work done. 12/29 D Fwd S&A 1/20 S&A- Copy actio to Wheeler Condenser Engrg. Co. 1/21. D
605228	1/11	CO	Stock of impellers for boiler registers be maintained on West Coast- nec for vessel to operate with reduced power. YR To Inspr Lachy B&W Fwds correspondence with Instrns 1/21 Inspr B&W - Subm contractors comments with print. 2/3 D To CO- Gives Change in allowance cc PO SO Ves- MI- -S&A 2/10 CO CALIF. 2/17 Y CO -Copy action to MI 2/17 Y CO 3/17 Y

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Number.	Date.	From or To—	Subject.	

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CALIFORNIA: BOILERS:

Number.	Date.	From or To—	Subject.	
560828	no date	CO 633-1	Submits report on Lillie evaporators installed on D	
556091	4;27	S.M.Lillie	All parts for CALIFORNIA shipped to M IS.D 573-10	
566867	6/2	To IM NY	Boiler water gauge glasses protedtion shields for Gives instrns cc MI D	
496572		SEE CARD 4	To S&A Distilling Plant Evaporator ,defects in workmanship; Reqst Action cc Comdt MI 6/10 S	

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592-10:CALIFORNIA: BOILERS:

Number.	Date.	From or To—	Subject.
569652	6;14	M IS T	Ask if Bureau contemplates any changes not already authorized in Lillie evaporators.D To MI no change contemplated 6/17
573117	7/6	To MI Forced Draft Blowers B F Sturtevant Co- Rel test of Db cc B F Sturtevant Co Db CO- (T) Rqst auth to increase speed.12/1 D To CO (T) increase authd 12/5	
589975	10/7	MI S&A- Cppy action to Wheeler Condenser & Engineering Co. 10/29 D S&A-copy of action to Wheeler C&E Company-10:29-D S&A-Fwds Wheeler Cond.Eng.Co.report 11/15 D	Report cov total cost of alterations to evaporators chargeable to Wheeler Condenser and Engrg.Co. D. Fwd S&Acc MI 10/27 Fwd S&Acc MI 12/27 Fwd S&A 11/19 RB 11/22 D
590155	10;13	Wheeler Con & Eng Co	Letter in connection with satis instaln and operation of Lillie evaporators on.D
593175	10:20	CO	Report on test and performance of evaporators fwds data sheet D To CO- apvd- 11/2 CO May 8- Copy of action to Mare Island. D

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CALIFORNIA : BOILERS.

Number.	Date.	From or To—	Subject.
366542	10-29	Mare Island	Forced draft blowers not recd- Rqst efforts be made to expedite delivery - R M Is - request action - 1/23 Mare Is. req. action 2;24 R
380318	12;18 12;24	Ins. W H NY	TENN & CALIF. equipment and evaporating plans fwds prints - D To NY- approves plan with comments lis 1/8
381871	1/2	M Is	Hydrostatic test being concluded on 8th boiler - shells for main condensers 50% complete - D M Is (T) no further report - 1/9 M Is (T) 2/13
380320	1/4	To NY	Author acceptance of dynamo condenser circuat pumps tests of which covered by prints
387630	1/21	NY	Location of coils and rotor bar connections main motor - fwds prints - D
534375	11;30 12;14	M IS NY	Ask if yards shall proceed with instlation of smokestack guys.D To IL NY 12-18 To MI Gives inform cc IL NY 12-18 M IS-fwds prints showing smokestack guys-1;19-D To MI Plan appd 2-2/21
560828	no date	CO	Submits report on Lillie evaporators installed on.D

1919

Mare Island telegram 1;16;19
Mare Is. tel. no additional report 1;23;19
M Is - (T) workstarted on uptakes -1/30
Mare Island 2-7 (T)
M Is 2/20

Tovey

cmd √

√—3381

[OVER.]

592 — 10 CALIFORNIA: BOILERS:

Number.	Date.	From or To—	Subject.
381871	2-26	SEE OVER	To Mare Island- Telegraphic reports may be discontinued giving condition of work. Monthly reports all that is necessary. Dn
399381	2;21	Mare Is	Req. auth. to furnish straight tubes for 25% no to be carried on board D To- Lists total number of tubes to be carried on board and division of. 3-8 To - Tubes to be accepted as already provided. 2-1
470025	1;10	M IS	Request authority to change design of air vents on steam drums of boilers.D To - Substitution auth. copy to Ny. 1-20 M IS-reqt auth to change location of pipe connections-5;6-D To--(T)Permission granted.5-14
472483	1/27	C&R	Air and weather tight doors to boiler rooms-fwds print - D fwd C&R 1/31 aC&R-copy of action to M IS-2;4
496572	—	—	Distilling plant evaporators - calls attention to defects in workmanship, fwding print - D To I.M. NY Fwds Plans 6-7.RB-6;19-D&S To Inspr Brook Fwds let I.I. 5/18/20 and plans 6-7 To S&A. Gives detld inform 6-7.RB-6;17-D To M.I. Distilling plant evaporators- advises no complaint recd from I.M. NY CC I.M. NY -Inspr Brook 6-7. To Wheeler Condenser & Eng Co Fwds l t M.I. and one print describing in detail defective workmanship on evaporators 6-7. Wheeler Condenser & Engrng Co-comments -6;10-D To M.I. Fwds copy of Wheeler & Engrng Co let 6-11. M IS-Reqt action-6;3-D

Industrial Wor. N.Y.
Wheeler C & E Co-reqt no charges be made against Company-6;14-D
Inspr Brookn-6;21-D&S
M IS-6;18-D
S&A-8;13-D
To fwd S'A 8/24
To M I Reqst inform 12-31 .
M IS-1;8-D
M IS-1.27
To Wheeler Condt & Eng Co Reqst comment 2/3/21
Wheeler Condenser & Eng Co-2;26

6/10/20

1920

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1917

CALIFORNIA: BOILERS.

Number.	Date.	From or To—	Subject.	
234201	6-9 To--7/5	M Is	Contract 97949; boiler tubes; asks when may be expected.S	
To Nat'l Tube		Co--9/5	To Nat'l Tube Co--Ask when delivery of tubes will be made. 6/19 Natl Tube Co - & Destroyers 93 & 94 - reports change in program at mills S	
233621	6/22	To NY	Plans of. Gives action on.6/26D	
243741	8/13	Pgh	& TENNESSEE contract 28614 feed water heaters and spares S	
251102	9/23	NY	Arrangement of blower rooms - fwds print - D To- Plans appvd· 9-28	
250994	9/29	S&A	Order of priority for drums on contract with the Continental Iron Works.	135-Q-10
280597	2-6	NY	Rotor spider - forwards plans amended. D To- Plans appvd with modifications· 2-18	
280413	3-16	NY	TENN & CAL evaporating and distilling plant; fwds print showing reversing valve and steam trap. D.	573-10

N.S.E. Form 134.

CALIFORNIA: BOILERS. 592 - 10

Number.	Date.	From or To—	Subject.	
293535	3/21 3/27	Wheeler Condenser & Engineering Co NY	Evaporating plant details - request four pass construction be accepted in lieu of feed Water heaters. To NY- Omission of evaporator feed water heaters appvd. Expedited decreased cost estimate. 4-2	
295221	4-1o	o NY	Valves, butterfly in aux and exciter exhaust connections to main turbine belts. Plans appvd with comment. 4-10 D	592-20
323595	6-13 7-3	Mare Island NY	Modification of boiler casing and bottom blow valves - fwds prints. D To M Is, plan approved, 7-15	
357757	10/12	M Is T	All work completed on 5 boilers - D Mare Is. tel. asks if shipment has been made 10:17 D To M Is (T) no record your 17211 wire 10-17 M Is (T) request complete shipping data - 10/16 M Is (T) status of delivery of boilers to -10/17 M Is - (T) 4th boiler delivered - 10/25 M Is - 11/7 (T) Mare Island Nov. 15 - Telegram - condition and installation of boilers Mare Is. tel. machine shop wk. auth. on main condensers and valves. 11:20	
			Mare Is. tel. machine work has been commenced on smafting, coupling and sleeve 12:5 D Mare Is. tel. mach. shop work has been started on dynemo condensers 12:19 Mare Is. tel. lay out of uptakes and boilers started 12:25 D	

NB—0120

[OVER.]

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CALIFORNIA: 1917

Number.	Date.	From or To—	Subject.
211532	1-12	NY	Method of securing boiler saddles; plan.D To--Plan appvd. 1/24
211986	1-18	Brook	Lower drums after boilers; asks if order has been placed with Continental Iron Wks and who is to inspect.S To--Replies to above questions. 1/22
212165	1-19	Alberger P&C Co.	Main circulating pumps; fwds sketch showing change to provide for 28" suction and discharge. 19
212696	1-18	M. Is 93-Q-10	& 94 and CALIFORNIA: steel tubes and pipes for boilers; cont 27949; National Tube Co, time in excess of constructional period of vessel; request be expedited. 93-Q-10
214552	2-8	NY	Uptakes below 3rd deck; plan.D. To--Plan appvd. 2/19 To--Fwd vandykes.2/24 To M. Is.--Fwds corr vandykes.2/24
216093	2/27	To Continental Iron Wks.	Fwds blue print showing dished heads, also lower durms for boilers for. D Continental Iron Wks returns copy of old print 2/28 To M.Is. NY--Fwds blueprint showing changes made. 2/27 To Pitts--Ditto. 2/28

592-11

CALIFORNIA: AUX MACHY 1921

Number.	Date.	From or To—	Subject.	
571912	6/21	CO CALIFORNIA	~~Request tow motor whale boats be furnished~~ R Y	611-2
575491	7/16	C&R	Copy of letter to CO CALIF in connection with issue of two experimental motor life boats Y	611-2
California Rqn 2,3&6		To CO	Spare parts for distributor, starting motor and generator, for power boats Y & R	
590589	10/15	CO CALIFORNIA	Request M.I. be authorized to issue 40' motor sailing launch to replace one lost Y	611-9
591272	10/19	C&R	Copy of telegram to M.I. directing ship 40' motor sailor via BUFFALO for CALIFORNIA Y	611-9
592574	10/14	JAG	Report coy grounding & loss of 40' motor sailing launch 4082 from CALIFORNIA Y	611-9
592572	10/25	C&R	Copy of letter to S&A requesting two 26' motor life boats be shipped from coast guard, Baltimore to CO CALIFORNIA Y	611-2

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CALIFORNIA: MAIN BOILER. 1916

Number.	Date.	From or To—	Subject.	
182704	3-16	M.Is	Original plan called for one stack; C&R plans call for 2; reqt instructions relative to submitting revised estimates for.DR To--No revised est under SE will be required. 5/27	
193331	7-6 7-11	Standard Water Sys Co S&A	Asks if schedule made dovering evaporating plant, feed water heaters,etc.DR Fwd S&A-- 7/13	
193499	7-13	NY	TENN; asks if Thornycroft type of boilers to be constructed at NY have been definitely decided on.DR	573-10
192			Boiler drums for	706
201208	10/6	To M.IS	Forced draft blower air pressure. Bu will require blowers be capable of supplying required amt of air against a pressure of not less than 8" of water. Reqt est inc cost.D	
202773	10/18 Co. quotes prices 10-31 To--Changed bill as suggested in company's letter 10/31. 11/2	Continental Iron Wks	Lower drums, marine boilers; gives sizes of plates necessary to meet U.S. requirements.C To--Contract given to Carnegie Steel Co. Ask whether can do flanging and how long will take. 10/28	
194	10/20	S&A	Copy of letter to bidders, amending specifications for turbo driven blowers for TENN & CALIF	706

NB—0120

N.S.E. Form 134.

CALIFORNIA: MAIN BOILERS. 592-10 Boiler material; request specns covering

Number.	Date.	From or To—	Subject.
204995	11-3	M.Is	Boiler material; request specns covering non-parall insulating block. D To--Information can be obtained from the Armstrong Cork & Insulation Co. Pitts. 11/10
205561	11-14	Continental Iron Wks	Have received cont 258 for boiler drum; request material for work be shipped in carload lots to Brooklyn.S
206435	11-23	Brook	Boiler drums; cont 258; reqt plans.DS
206651	11-20	M.Is	Boilers; reqest instructions for developing plans of manufacturing and ordering material for fittings and boiler mountings. D To--Instructions. 11/29
206837	11/29	To B & W Co.	Fwds print showing arrgt of boiler and casing for. Reqt est on an equipment of Peabody oil burners and registers. D B&W Co submits quotation andfwds print 12/22 Fwd Dept--12/30 RB I-4
206515	11-22	At Sub Flt VOID	Diesel engines for submarines; lists trouble experienced with those manufactured by Elec Boat Co; objects to use of 2 stage compression; recommends that not less than 3 stage air compressors be used on all engines for future boats.

NB—0120 [OVER.]

CALIFORNIA AUXILIARY MACHRY 1922

Number.	Date.	From or To—	Subject.	
636592	8/2	CO	Special type electric lamps for Chief's Barge- ask if are being obtained.L To CO- gives inform 8/24	
CALIFORNIA	Reqn #4/23 8/14	To CO	Spare Bosch DU 6 magneto Y e R	
815	8/17	To CO CALIFORNIA Via MI	Pistons for Van Blerck engines gives inform rel.	629
643329	10/4	To USS CALIFORNIA	Error in numbers of power boats on. Ye	611-12
648321	10/25	CO CALIFORNIA	Request new strut be furnished for engine in 35' motor boat 14757 Y	611-12

N. Eng. 134

Number.	Date.	From or To—	Subject.	

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CALIFORNIA: AUX MACHY 1921 2

Number.	Date.	From or To—	Subject.	
594152	11/4	C&R	40' motor sailing launch 9803 selected for Shipment to CO CALIFORNIA Y	611-9
598016	12/2	To CO USS CALIFORNIA	Rqsts engine numbers be corrected Ye cc	LOG 611-10
598880	12/5	Coast Guard Baltimore	Gives registry numbers assigned to boats shipped to Hamp Rds for delivery to CALIFORNIA & NEW MEXICO Y	611-2
602834	12/31/21	C&R	Copy of letter to M.I. assigning two 50' motor boats to CO CALIFORNIA Y	611-14
603795	12/29	CO CALIFORNIA	Submits report of changes in power boat machy Y	611-2
603810	1/9/22	C&R	Copy of letter to CO CALIFORNIA & NEW MEXICO rel to boats for flags. Y	611-2
606898	1/27	C&R	Copy of letter to M.IS relative to 50 ft motor boats for CO CALIFORNIA Y	611-10

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CALIFORNIA AUX MACHY 1922

Number.	Date.	From or To—	Subject.	
607616	1/26	CO CALIFORNIA	2 motor whale boats received Y	611-2
621749	5/3	C&R	Authorizes permanent 50' motor boats storage on board CALIFORNIA Y	611-10
622298	5/1	CO CALIFORNIA	40' motor boats 10091 received from CO CAPELLA Y	611-9
623922	5/12	CO	Rqsts spare piston for Van Blerck Engine. be furn. Y Pac. Fleet 5/18 Fwds report from CO Y To Pacific Fleet (T)- CO NEW MEXICO- MI (T) Gives status of shipment cc NEW MEXICO- MI 5/26 Fwds S&A 5/1 RB 6/6/ RS.	
634184	7/21	Dept	Copy of telegram to Pug.Sd. directing repair Admiral's Barge. Y	

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N.S.E. Form 134.

CALIFORNIA: AUX MACHY 1920 1

Number.	Date.	From or To—	Subject.	
49745	4/7	To Industrial Mgr. N.Y.	Battery charging panel for TENNESSEE and CALIFORNIA. LS	629
49745	4/7	To Inspr Hartford	Battery charging Panels for TENNESSEE and CALIFORNIA. LS	629
488104	4/17	C&R	35' motor boat 14757 selected for issue to CALIFORNIA: Y	611-2
495807	5/24	C&R	35' motor boat 14759 assigned to CALIFORNIA Y	611-2
498811	6/10	C&R	Copy letter to Norf assigning 50' steamer 5440 to CALIFORNIA Y	611-1
519428	10/2	To IM NY	Arrangement and details of lifting gear for aux below machy flat; Plan appd D	592-8
531770	11/22	Norf	50' steamer 5440 delivered to Mare Is for CO CALIFORNIA Y	611-1
561135	4/29	C&R	35 ft motor boat 9796 selected for issue to California Y	611-12
593576	10/29	S&A	Copy of letter to Coast Guard Balto reqt four 26' motor life boats be shipt to Hampt Rds for CALIF AND NEW MEXICO. Y	611-2

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CALIFORNIA: AUX MACHY 1921

Number.	Date.	From or To—	Subject.	
571912	6/21	CO CALIFORNIA	~~Request tow motor whale boats be furnished~~ R Y	611-2
575491	7/15	C&R	Copy of letter to CO CALIF in connection with issue of two experimental motor life boats Y	611-2
California Rqn 23&6		To CO	Spare parts for distributor, starting motor and generator, for power boats Y & R	
590589	10/15	CO CALIFORNIA	Request M.I. be authorized to issue 40' motor sailing launch to replace one lost Y	611-9
591272	10/19	C&R	Copy of telegram to M.I. directing ship 40' motor sailor via BUFFALO for CALIFORNIA Y	611-9
592574	10/14	JAG	Report copy grounding & loss of 40' motor sailing launch 4082 from CALIFORNIA Y	611-9
592572	10/25	C&R	Copy of letter to S&A requesting two 26' motor life boats be shipped from coast guard, Baltimore to CO CALIFORNIA Y	611-2

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CALIFORNIA CONDENSERS 1922 4

Number.	Date.	From or To—	Subject.	
606123	4/24	CO CALIF	Cannot carry any appreciable load on dynamo condenser when using circulating water connection. D	573-12

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

CALIFORNIA: CONDENSERS: 1920

Number.	Date.	From or To—	Subject.
483791	4-3	To I.M. Ny	Control panels for main and dynamo condensate pump motors. copy to Inspr Westinghouse- Plans appvd with comment and assigned file numbers. D NY - resubmits prints of control panels for main and dynamo condensate pump motors - 5/13 - D To I.M. NY Drawings assigned file numbers as listed specif. submitted are appvd 5-25.
496076	5/17 5/24	GE NY	Fwds copy of GE Co estimate of change in cost for installation of 2 instead of 1 condensing extiters sets in engine room - L To Inspr GE change authorized 6-12. To Gen Inspr Phila Reqst dup copies of report 6-12
524828	10;22	York Mfg Co	Request contract be amended - fwds estimates.D
540834	1/14	Bd on Changes GE	Omission of hot well pumps for main condensers- estimate of decreased cost. D. Fwd Solicitor 1/19 RD 1/22/21 To G E Co via Inspr Fwds report appvd 1/24
566382	5;31	Westinghouse E&M Co	Copy of letter to Disbursing Officer NY taking exception to deduction from contract price on alleged delay in delivery of 270 days contract 1063 covering aie ejector equipment.D

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592-12

N.S.E. Form 134.

CALIFORNIA: CONDENSERS 1921

Number.	Date.	From or To—	Subject.	
606123	1/26	To COTENNESSEE CALIFORNIA- MARYLAND	Test of Emergency Circulating water connection for Dynamo Condenser Db	573-12
610953	2/27	To Comdr-in-Chf, Pac Flt (USS CALIFORNIA)	Condenser tubes for test in aux condensers of battleships. Ym	627-1
613656	3/17	~~To Pug Snd~~	Dynamo condensers, installation of Emergency circulating Water connections cc CO Db Y	
618376	4/3	Cu	Reports salting of boiler thru stopping of condensate pump caused by malicious or careless act in pulling out switch on engine room switchboard; recommends all circuits of auxiliary pumps be fitted with pilot lamp on board in main control room. DL	592-19

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[OVER.]

1918

CALIFORNIA: CONDENSERS.

Number.	Date.	From or To—	Subject.	
283228	2/19	NY	Contract 31373 - Condenser tubes - states no copy of contract recd - states point of delivery is NY - D	
283847	2-23	Phone NY & CO	Condensers tubes - Bureau stated that had directed tubed for diverted to Mare Island. Y	
331490	8/29	To Mare Is	Encl copy of let from Inspr Westinghouse	59223
1068	11/9	Inspr NY	Mare Island states material not desired until March 31-19. D.	629
381568	12/31	M Is T	Request authroityt to oxy accetylene weld seams in main condenser shells - D To Mare Is Calif T: 15131 reqst approved to oxyacetylene weld longitudinal seams main condenser shells USS CALIFORNIA comma omitting butt straps comma plan forty four dash B dash one eighty eight 1/2/19	
401124	3; 3	MI	Submits report of error in counter sinking and tapping holes for tubes in main condenser sets D To- Tube sheets counter sunk and tapped as stated accepted. 3-13	

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N.S.E. Form 134.

CALIFORNIA: CONDENSERS

1919

Number.	Date.	From or To—	Subject.	
407882	3;24 4;2	Ins. Westinghouse NY	Fwds copy of contr. let. req. extension of 120 days for delivery of air ejecting equipment for main and dynemo condensors after approval of drawing D To S&A- Have contract amended to extend date of delvy for motor control equipment 120 days- 4/7 To Ind Mgr NY- Approves contractor's rqst for an extension of 120 days-4/7 RB 4;17 Fwd S&A. 4-22 RB 5;22 Fwd S&A. 5-29 RB 7/3 Westing.E/M/Co- Supplementary copy of letter to N.Y. rqsting contr covering air electors be rewritten calling for del Sept 15th. D. 6/26. Fwd S&A. 7-7. Fwd S&A 7/7	
429155	7/1	To Inspr GE	300 KW Turbo-generator sets. Condensing non-condensing-specifications. CALIFORNIA, MARYLAND? and West VIRGINIA. Reqsts fwd. copy to I.M. NY GE - fwds specifications 300 KW turbo generating sets- 8/2.	529-5 L
423116	6-4	Inspr NPN	Condenser equipment for condensate motors- Fwds prints. D To Inspr NNs- Plans appvd with comment 6-19 N Y Fwds drawing 6-30 To I.M.Ny- Gives detail comment on plans 7-15 Copy to Inspr Westinghouse Inspr NN- Fwds prints 8-8 Inspr FR 8-27	46-B-19

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CALIFORNIA: CONDENSERS.

1916

Number.	Date.	From or To—	Subject.
189216	5/27	To GE	Will omit the four hotwell pumps for the main and dynamo condensers; directs submission of est dec cost.D
198867	9-9	To GE.	Hotwell pumps for main and dynamo condensers: directs omission of.D GE estimate 9-12 To--Change appvd. 9/30 To Gen Insp.--9/30
208597	12-13	NY	Main condenser; fwds plan following GE Co suggestions.D To--Plan appvd with comment and modif. 12/29 NY Main condenser; J. F. Metten of the Cramp Co controls patents; will agree to their manuf under the royalty of 3¢ per sq ft of heating surface, amounting to $60 1/18 To--Appvs. 1/23 NY fwds condenser plans covering Lovekin design 2-16 To NY--Plan appvd with comment. 3/1 NY submits revised plan 3-20 To NY--Plan appvd with comment.4/2
214447	2/17	To NY	Substitution of air ejectors and condensate pumps for Parsons vacuum augmenters for main and dynamo condensers. D
232798	6/8	NY	~~Main condensers - fwds prints of water chest~~ D To--Plan appvd.6/15

1917

NB—0120

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N.S.E. Form 134.

CALIFORNIA: CONDENSERS:

Number.	Date.	From or To—	Subject.	
233983	6/15	NY	Main condenser - fwds prints of details D To—Plan appvd.6/25	
235988	6/30	To NY	Air ejector suctions from condensers. Will be similar to CALIFORNIA'S installl. D NY - & TENNESSEE 7/18 D To—Appvs.7/25 NY & CALIFORNIA - fwds prints 8/1 To—Plans appvd.8/10 ~~NY - Dynamo condensers - fwds plans 9/7 -D~~	
241373	7/29	NY	Main condensers arrangements and details - fwds prints D To—A ppvs.8/4	
251262	9/23	NY	Main condensers; arrangement and details of strong box for testing - fwds plan - D To- Plans appvd. 10-2	
31373	2-16	To S&A CALIFORNIA	Reqt condenser tubes be diverted to M.Is. for CALIF. R	629

NB—0120

[OVER.]

CALIFORNIA: REFRIG HEAT VENT: 1921

Number.	Date.	From or To—	Subject.	
564094	5;16	York Mfg Co	Fwds corres relative to contract payment terms for refrigerating equipment.K Fwd Solicitor Dept 5/17	
608469	1/18 2/1	CO Pacf·Fleet	Corrosion of water piping in ice machine condensers- fwds samples with report on: DY To S&A Reqst shipment of tubes from FI to CO 9/16 2/15 RB 5/2 Y To MI- Reqst listed mat'ls be manufactured at LI cc CO- ship- TENNESSEE 2/16 To CO Ask if shipment recd 4/18	
623282	5/16	To MI JOINT	Change Addnl Ventilation to Engine Room D	
630926	7/21	Insp r Chicago.	Y To S&A Reqst shipment of equalizer from Chicago to Brook 787 7/26 RB 9/15 Y	
636433 OVER	8/4	York Mfg·Co.	CALIFORNIA & TENNESSEE- fwds prints showing refrigerating material furnished for. D. to York Mfg CO- returns tracings 8/30 York Mfg Co 8/30 Ask if white cloth vandykes satisfactory in lieu of litho prints D York Mfg Co 8/31 Ask if vandykes should be have Bureau signature D ToYork Mfg Co-Rqsts complete set master plans 9/6 D	

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592-13

Number.	Date.	From or To—	Subject.	
2				
636433	FROM OTHER SIDE		York Mfg Co 9/19 Request auth to furnish White Cloth vandykes insteam of Litho prints D To York Mfg Co- will accept white cloth vandykes 9/25 cc MI- NY 9/25 York Mfg Co 10/13 Fwds copy of action to M.I. D To York Mfg Co- Gives inform rel vandykes cc NY MI 10/22 York Mfg Co 10/23 Copies letter M.I. Fwding print on TENNESSEE refr gerating equipment.	
647898	11/3	To MI JOINT	Change- Ventilation in magazine- closing devices at bottom of 5" ammunition hoists D	

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[OVER.]

CALIFORNIA: REFRIG HEAT VENT:

Number.	Date.	From or To—	Subject.
			if instaln is made under supervision of Co eng-12;27 York Mfg Co will be responsible for satis performance
509684	7;24	M IS	Fwds letter from York Mfg Co relative to
	8;4	C&R	making special deposit to cover work under
York Co-price per yard making instaln-10;22			contract 163 installation of refrigerating
C&R-copy of telegram to York Co asking			machinery.D
if will install apparatus-10;29			fwd Secty 8/6 RB-8;20-D
C&R-copy of T to York Co reqting action			M IS-copy-ask if work will be charged to
re contract 163-11;8			CALIFORNIA-8;13-D
Fwd Dept JOINTCO MI 11-26 RB-12;2-D			SOL-request telegraphic instructions be
Fwd C&R 12-3			given yard-8;16-D
To York Mfg Co disapprvd 12-4			To M.I.(T) will arrange secure special
York Mfg Co-12;5-D			deposit from York Mfg Co covering cost of work
To York Mfg Co- 12-11			Joint 8/19
M IS-copy-ask status of negotiations-12;16			Fwd C&R 8/23/20
York Mfg Co-submits est in detail-12;21			York Mfg Co-recommends Co make entire instaln
To York Mfg Co Gives inform 12-23			at actual cost plus overhead and profit-11;1-D
526290	10;29	C&R	Copy of telegram to York Mfg Co asking if will
VOID see 509684-592-13			install refrigerating apparatus and insulation
			themselves.D
528198	11;8	C&R	Copy of telegram to York Mfg Co requesting
VOID see 509684-592-13			action in connection with completing contract
			163 for refrigerating equipment for.D
531272	11;24	York Mfg Co	In connection with payment terms on contract
			covering refrigerating equipment for-should be
			same as on TENNESSEE M&D
			fwd C&R 12-30
532020	11;30	C&R	Copy of telegram to M IS stating contract
			with York Mfg Co covering installation of
			refrigerating machy on has been apprvd-D

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N.S.E. Form 134.

CALIFORNIA REFRIG HEAT VENT: 1920

Number.	Date.	From or To—	Subject.
509684		SEE OVER	To York Mfg Co Gives action 12-27 To MI (T) Arrangements satisfy work shld be imm started 12-27 To York Mfg Co Gives action 12-29 To Solicitor Gives action taken cc MI 12-29 York Mfg Co-12;30-D Dept-copy of action to C&R-1;5-D
543328			MI IS-relative to refunding money deposited by York Co-9;6-D&K Fwd Dept JOINT 1/29/21
		JOINT	To MIGives action taken re -nstln of ref machy and cold storage insulation 2/8/21 To MI Fwds cc of contract 3/26
551828	3/16	Solicitor	Fwds supplementary contract with York Mfg. Co.- request approval. C. To Solicitor Cont correct 3/16

592--13

CALIFORNIA--REFRIG. HEATING VENTILATION

Number.	Date.	From or To—	Subject.	
325803	7/11	NY	& CALIFORNIA--Refrigerating apparatus contr 163- Fwds copy of letr from York Mfg Co-Repo in making drawings	ted delay 573-13
331705	7 /27	S&A	Refrigerating equipment - copy of letter to the York Manuf Co requesting delivery be made about Feb 1, 1919 - D	
401200	2/24	NY	Fwds plans ventilation damper indicator gears for main propelling motors - D To I.M. Ny- Plans appvd. 3-11	
410624	4-11	S&A	Cy of letter toYork Mfg C o req expedite del of refrig equipmen for D	592-9
417860	5;12	C&R	Ventilation of machinery spaces fwds prts D To C&R- Plans appvd. copy to I.M. Ny. 5-16	
422349	5: 26 Fwd C&R. 6-12 Fwd Solicitor.	Mare Is. RR 6/25. 6-25 - RS-7;19	Ref. machinery and cold strg installation estimate covering D Mare Is. refrig. machinery submits estimate for installing 5-26 D Fwd C&R. 7-25 C&R - 8/13	

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N.S.E. Form 134.

CALIFORNIA:

Number.	Date.	From or To—	Subject.	
424541	5-26	Mare Island	Refrigerating machinery- Submits estimate for installing- CHANGED TO 422349 592-13	D
433046	7;16	York Mfg Co	Fwds copy of letter to S&A requesting contract be amended to cover fluctuations in freight and installation charges for refrigerating apparatus due to delay in making vessel available.D	
483103	3/23	To CALIFORNIA	Carbon dioxide cylinders for refrigerating machines. Desire report covering number on board and number used past six months. To NORTH DAKOTA- Desires report ethyl chloride cylinders for refrig machines 3/23.	700-1 R
484304	3;22	M IS	Copy of letter to York Mfg Co stating work in connection with refrigerating equipment can be commenced July 1st.D	
507996	7;27	York Mfg Co	Ask if Bureau will use Navy Yard force for installation of equipment on D S&A-states if no object to work the York Mfg Co be so advised so as to proceed-7;1 To York Mfg Co 7/29	

4—3381

[OVER.]

592 -- 13

1916

CALIFORNIA: REFRIG: HEATING: VENTILATION.

Number.	Date.	From or To—	Subject.	
206894	11/29	Kroeschell Bros Co	Refrig equipment; states prices quoted will not stand for much longer time; request order be expedited	573-13
NY 1081	1/31	Fwd S&A via C&R	Reqn for heater boxes, dampers, steam and drain valves, etc., for, appvd. R	
			1917	
213273	2-1	Solicitor	Refrig plant; copy of contract with York Mfg Co. Fwds.K To M.Is.--Fwds 2 copies of contr for Solicitor fwds drawings and other data to be made part of contract 2/10 SOL fwds copy of supplementary agreement 164 with York Mfg Co-6;15-DS&K	2/3
235524	6/25	GE	Reports inspection of controllers for refrigerator motors S	
236003	6/27	NY	Ventilation for main propelling motor - fwds prints D To--Plans appvd. 7/3 NY fwds prints of ventilation operating gear for motor 3;11 L	
	To I.M. Ny-	Revised plan appvd. 3-24		

NB—0120

N.S.E. Form 134.

CALIFORNIA: REFRIGERATING: HEATING: VENTILATION. 592 - 13

Number.	Date.	From or To—	Subject.	
256211	10/22	Hsbg	Refrigerating apparatus - copy of letter to York Co as to date of delivery and status of completion D	
257143	10/26 10/27	York Manuf Co Hsbg	Request be advised dates when shipment of machinery can be made - D Fwd NY- 10-31 R B 11/8 with statement from contractors - D To Harrisburg- 11-13 NY - correspondence returned 11/7 - 11/17 D	
163	1-3	York Mfg Co T	CALIFORNIA & TENNESSEE refrigerating equipments - reports fwding complete folios and drawings to NY and 5 copies to Bureau - S	629
318309	6;11 6;11	York Mfg Co S & A	Reqts permission to build as inspected and passed. D Fwd NY, 6-21 RB 7-22 NY - gives action - 6/29 To S&A, commenting on refrigerating apparatus 7-3 Fwd S&A 7-25	
324987	7-9	S&A	Copy of letter to York Co directing shipping be expedited instead of storing machines.	573-13

NB—0120

[OVER.]

~~554 -- 13~~
592-13

CALIF: REFRIG: HEATING: VENTILATION. 1915

Number.	Date.	From or To—	Subject.	
158815	6/21	C&R	Elec drive; fwds print showing heights of and types of doors in connection with arrgt of ventilating system	554-9

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

CALIFORNIA PROPELLERS AND SHAFTING 1922

Number.	Date.	From or To—	Subject.	
605191	1/13	MI	Propeller report. Y n	
607137	1/25	MI	No spare propellers for. Y To MI- rel shipment of propellers cc C-I-C Pacific- Atlantic Fleets- cc CO's CALIFORNIA TENNESSEE MARYLAND 2/7 Pacific Fleet 9/25 Y Pac Fleet 10/24 Rqsts action Y To C-I-C Pac. Fleet- rel removal of propellers cc Squad 4- CO's CALIFORNIA TENNESSEE 11/4	
640278	8/29	Pug. Sd.	Propeller report. Y-D.	
645423	10/17	To C&R	WASHINGTON-- Spare propellers- Bu has no spare propellers for CALIFORNIA TENNESSEE and MARYLAND Dn	12 14 -6

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

CALIFORNIA: PROPELLERS & SHAFTING

Number.	Date.	From or To—	Subject.	
995	9/30	Inspr Pitts (T)	Only available shaft is a 44' for tail shaft for CALIFORNIA S	629
31009	3/25	Mare Island	Fuel Oil Heaters for CALIFORNIA not yet recd D	629
407869	4;2	Exp. Station	Test 832-AO preliminary report of test of propeller shaft forging S To Inspr Pitts- Auth acceptance of propeller shaft forging 454-B1 if satisfactory in all other respects - 4/4 Ins. Pitts. copy of let. Erie Forge Co auth. acceptance of 4;7 Y	
409827	4/8	Exp Sta TEST 832-AP 573-14	Prelim report of test of stern tube shaft forging - S To Inspr Pitts- Auth acceptance of stern tube shaft forging - 4/11	
425285	6/13	Phila	Propeller will be ready for shipment 6/17 - reqst shipping instrns - Y To Comdt Phila- Reqts that the propellers reported ready for shipt be turned into stock at Phila yard. 6-17 R R 7/1 To Comdt Phila- Shipt ordered issued to cover shipt of propellers to Mare Island. 7-2	

4—3381

N.S.E. Form 134.

1919

592-14 CALIFORNIA: PROPELLERS:

Number.	Date.	From or To—	Subject.	
379330	6-27	To S&A	Reqt shipt propeller castings from Phila to Mare Island for. Yo	573-14
432520	7;2	Inspr GE	& WEST VIRGINIA Fwds copies specns covering propeller wheels (not recd).D To Inspr GE- req duplicate copies be fwd 7/18 Inspr GE-fwds specns covering wheels.7;24	
379330	8-8	To S&A	Reqts shipment report on reqt of June 27th for propeller castings.for CALIFORNIA.	573-14
503810	6;10	M IS	Propeller report.Y	
530541	11;13	M IS	Substitution of Kingsbury thrust bearings for horseshoe thrust bearing-est of inc cost.D	
552212	3/19	To MI	Reqst be furnished with propeller blade measurements Db M IS-fwds VanDykes of propeller measurements-4;7-D&Y	
565656	5/18	MI	Calls attn to unbalance in propeller shaft as determined by Akimoff eq uipt. D. Fwd Phila 5/27 RB-6;27 M IS-T-propellers have been balanced in Akimoff equipment.D&Y To Phila Gives instrns 6/24	

19

2

CALIFORNIA: PROPELLERS AND SHAFTING.

Number.	Date.	From or To—	Subject.
225521	4/21	M Is	Spare propeller shafting; recommends be finished all over except at propeller end.D To--Appvs rec.5/2
246035	8/27	Exp Sta TEST 832-0	Coupling forgings for shafting - fwds report S To Pitts--Auth accept.8/29
266709	12-13	Phone Phila	PROPELLERS: BROOKLYN: Propeller blades. 2 propellers for CAL and 3 blades for BROOK completed by yard. Directs shipt. 12-13 Y
271847	1-5	Exp Sta TEST 832 V	Line shaft forgings; fwds report·S
278319	1-28 1-30 Fwd NY- 2-27	Insp. Erie Insp. Pitts.	Line shafting forging contract #28186 request instructions relative to authorizing Erie Forging Co. to deliver S. Inspr Pitts-Request action on letter 30th.S Erie F&S Co-States cannot better delivery of shafting for the TENN.S (Cross to 573-14)X
278883	2-1	Insp. Phia.	Requests waver of deficiency of elongation. D. To- Auth acceptance of propeller. 2-6
283582	2/20	Albert Kingsbury & California	Thrust bearings- fwds plans. D 573-14

NB—0120

592---14.

N.S.E. Form 134.

Propellers.

CALIFORNIA: ~~MAIN ENGINES.~~

Number.	Date.	From or To—	Subject.	
292799	3-26	NY	Propeller machinery motor; stator coil diagram. Fwds. print. D.	592-9.
293456	3 23	Phila	Propellers - request waiver of defects. D To- Propeller Wheel is apcepted. 4-2	
317524	6/18	To Phila	Rqst mfg of 2 riththand and 2 left hand propellers for & California, including machining, Y	573-14
319349	6/20	Exp Sta TEST 832	Line shaft forgings - fwds report - S To Inspr Pitts, authorizing acceptance of above forgings, 6-25	
339424	8-24	Insptr. Erie	Received back on Aug. 30.	
339424	8/10	Mare Island	Shafting; rqsts remaining sections be delivered not later than Dec 1 - R To Inspr Erie, re delivery of shafting 8-24 To M Is, re del of shafting 955	
367058	11-12	Inspr Erie (T)	Shaft forging 464 B 1 satisfactory shipmt authorized, S1	

NB—0120

[OVER.]

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CALIFORNIA: PROPELLERS AND SHAFTING. 1916

Number.	Date.	From or To—	Subject.	
185871	4/25	Kingsbury, A.	Thrust bearings; fwds printed matterand prints	573-14
189127	5-27	TO NY and M.Is	Arrgt of shafting; fwds vandykes	573-14
193555	7-14	To NY.	Directs Kingsbury thrusts be installed on main shafting; obtain estimates from GE Co for furnishing. D To--Obtain thrust from Kingsbury and submit drawings to GE for est. 7/27	
194768	7/27	NY	Propellers; asks if will duplicate NEW MEXICO's.DR To--No; design will be preared by Bu. 7/29	
195711	8/5	GE	Request drawing of Kingsbury thrust be expedited.D To NY--Reqt estimates for trust bearings be submitted. 8/8	
197558 VOID	8-24	TO GE	Fwds speed and power curves. D	
197561	8/24	To M Is	Propelling machinery; castings and patterns; directs manufacture	592-8
198602	8/31	M Is	Gives reasons why propellers should be manufactured at M Is Yd.D To--Phila has been selected as place to manuf. 10/5 To S&A--Reqt shipment screw propellers to M.IS. 10/5	

NB—0120

N.S.E. Form 134.

CALIFORNIA: PROPELLERS AND SHAFTING. 592-14

Number.	Date.	From or To—	Subject.	
200805	9-20 9-29	GE NY	Kingsbury thrust bearing; est inc cost.D Fwd NY--Retd for completion of est. 10/3 RB 10/26 To Dept--With recommendations. 10/28 RB 11/2 To NY--Comments on install of. 11/8 To GE--Will install Kingsbury thrust bearing. Does not necessitate change in contract. 11/8	
206006	11/16	NY	Arrgt shafting; plan	573-14
207163	12-2	Pitts	Cont 28186; no provision made for thrust shaft; asks if omission intentional.S Fwd NY--12/6 RB 12-12 To NY--Items 8 and 9 of contract will have thrust collars? Reqt issue of above ~~xxxxxd~~ plan be expedited. 12/18 To--Gives action. 12/18	
209036	12-18	NY	& CALIF: screw propellers; recommends increasing diameter at fwd end of propeller hubs to allow for satis fairwater.	573-14
			1917	
210716	1/5	To M.Is.	Fwds Vandyke print of propellers to supersede plan previously fwded. D	
212545	1-19	M.Is	Kingsbury thrust bearings; asks if to be treated as inc cost in connection with making out form 102(Cross 2) To--(T) Form 102 will not include cost Kingsbury Thrust. NY preparing est. 1/31	
271847	1-8	Contract To Pitts	Contract 28186 Line shaft forging. Acceptance auth. S	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.
618349	4/15	To Comdt MI Joint	Change in magazine flooding system piping for D
620138	4/10 4/17	CO Pac Fleet	Calls attention to unsatisfactory cast steel sheeting for high pressure steam. Recommends elec weld joint. YD X to 695-5 To Pac Fleet- ~~Apprvd~~ method of repairing erectrical welding. 5/3 Did
630146	6/9 6/20	Pug Sd C&R	Installation of dydralic gasoline storage D Fwds C&R 7/1 Db
631058	5/31	CO	Request additional steam lines for evaporator aux D To CO instln authd cc Pug Snd- Pac Fleet- Squad 4 7/10

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592-15

Number.	Date.	From or To—	Subject.	
631675	6/20	CO	Reports on packing on main steam lines Bulcaseston RD X 693 ~~Fwds Exp Sta 7/12 Ro~~ RB 7/20/22 R To CO USS CALIFORNIA VIA Squad 4- Rqsts CO submit inform concerning tests 7/21 Ro	
642829	9/29	To CO	Main motor fresh water fire extinguishers connection for. Fwds print Db	592-9

592- 15

N.S.E. Form 134.

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1919

CALIFORNIA: PIPING SYSTEM GEN:

Number.	Date.	From or To—	Subject.
409791	4;9	NY	Arrangement of steam pipe drain in engine room fwds prt D To I.M. Ny- Plan appvd with coment. 4-18 NY-arrangement of drain pipes and traps-fwds prints-4;2_D To I.M. Ny- Plans appvd. 4-8 NY - arrangement and details of drain piping in engine and boiler rooms - fwds prints - 4/19-D
411022	4;14	NY	Arrangment of water and fuel oil piping in engine and boiler rooms fwds prts D To-Plans appvd with comment. copy to C&R. 4-26 NY 5-6 Comments on changes in arrangement of water and fuel oil piping in engine and boiler room - D To I.M. Ny- Reqts that two 21/2" hose valves be provided in each engine room . 5-9 NY fwds prints 5;21 NY-fwds prints 8;4 To I.M. Ny- Assigns file numbers to prints.8-9 To I.M. Ny- Lists further modifications to plans. 9-10 N Y 10-17 Fwds print.
442973	8;30	NY	Lagging for pipe lines-boilers,etc-recommends M I5, prepare reqn for.D fwd Comdt MI 9/3 cc to NY RB-9.23 To- Mare Island to prepare reqn for material necessary for the clothing and lagging of the various pipe lines etc. copy to Comdt Mare Island. 9-23
490040 I	4;26	NY	Steel pipe required to complete installation of pipe line-award will be made to Pittsburgh Seamless Tube Co.D To I.M. Ny- Substitution of black iron pipe appvd. copy to Mare Island. 4-28

592-15

1919

Number.	Date.	From or To—	Subject.	
501180	6-24	To I.M. NY	Reqst cc of M.I. let 6/9 be fwd for Inform D. NY-7;1-D Fwd M.I. 7-6. NY-7;14-D Fwd MI 7-19.	
540791	1;10	M IS	Request information as to Bureau cognizance of air compressor piping.D X to cognizance To MI Gives inform 1/20	
546946	2;11	M IS	Reqt info as to Bureau cognizance for air piping for humidity control.D To MI piping is under cog of C&R cc C&R M NY 2/23/21	
547359	2/23	To MI	Lagging of pipes in cofferdam between machy spaces ; Reqast Inform D. M IS-3;2-D	
585455	9;13	Inspr GE	Reqt steam water and oil piping prints.D To Insp GE Gives Action 9/16 To NY Reqst prints be furnished 9/16	
592236	10/21	N.Y.	Drain pipe- fwds print rel to packing of. D	592-9
608469	1;18 2;1	CO Pac Flt	Corrosion of water piping in ice machine machine condensers-fwds samples with report on.DY	592-13

4—3381

CALIFORNIA: PIPING SYSTEM. 592 - 15 1918

Number.	Date.	From or To—	Subject.
316634	6;13	N Y	Fwds prints showing arrangement of steam exhaust and vapor pipe in machine spaces. D
NY - fwds prints - 10/23			To NY, plan approved with comments, 6-29
To NY plans approved 11-2			NY - fwds prints showing arrangement of steam exhaust to vapor pipes in machy spaces - D
			To NY, plans approved 7-26
			NY 8-2 Request action
			To NY, Plans approved, 8-10
323732	7-5	NYS	To NY, Re arrangement of steam exhaust and vapor pipes in machy spaces, 8-12
			Main turbo generating piping - fwds prints. D
			To NY, plan approved, 7-12
			Fwds print showing arrangement of pipe on main turbine generators - DR
			To NY, plan approved, 9-9
341359	8/23	NY	Rqst auth to approve change in thickness of copper pipe in exhaust lines - DR
			Fwd NY Via S&A 8-27
344856	8/26	M Is	Requisition 356 steel plate for flanges - request amounts be increased - D
345458	8-27	M Is	Ask if copper pipe has been shipped from American Brass Co - R

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N.S.E. Form 134

CALIFORNIA: PIPING SYSTEM

Number.	Date.	From or To—	Subject.	
351197	9-18	Ins. GE	Piping plans. D To NY, Rqst plan of steam piping 9-24	
356053	10/3	Ins GE	Rqst list of piping and additl inside main throttle to be furnished by Bureau	592-9
365490	11-2	New York	Steam and exhaust system/ Fwds prints, bills of fittings and pipes DR To-- details of fittings,pipes,etc/ for steam and exhaust systems, 11-12	
382520	1/9	Fwd C&R	Action taken satis re stuffing boxes C&R copy of letter to M I giving action 1;14;19	
394865	1;20 2;12 To I.M. Ny- Assigns file numbers to revised plans. 3-7 NY - fwds print showing steam and exhaust piping for engine & boiler room -3/24	Mare Is. NY	Proposed changes in steam lines L To NY- Appves taking blower steam off the F-7 and F-8 for the forced draft blowers in firerooms 1 and 2. 2-17 copy to Mare Island.2 NY - fwds corrected plans of steam and exhaust piping - 2/28	
397663	2;8	GE Co	MARYLAND & W. VIRGINA aux. exhuast steam ; comments D To (W.H.Bailey)- Reqts two additional prints of sketch showing proposed changes in excirer exhaust connections to the aux exhaust line and main turbine stages. GE Co fwds sketch 2;28	Db 2-27

4—3381

[OVER.]

592c-- 15

CALIFORNIA: PIPING SYSTEMS. 1917

Number.	Date.	From or To—	Subject.
214815	2-12	NY	Steam piping; fwds arrgt plan of; ~~auxiliary~~ all auxiliaries can be supplied from either port or stbd boilers.D To--Plan appvd with modif and comment.2/27
219229	3/15	NY	Steam piping; fwds arrangement plans.D To--Plan appvd. 3/27 NY (T) asks steam pipe castings and valve to be made of comp of cast steel 3-29 To--(T) Instrns.3/30
218714	3-17	NY	14" expansion joint;plan.D To--Plan appvd.3/31
223241	4-11 4-17	NY C&R	Sea connections; plan.D. Fwd C&R--4/26 C&R - fwds prints 5/26 D Fwd C&R--6/4
235796	6/26	NY	~~Expansion joints and casings for steam pipe -~~ fwds prints D ~~To--Gives file numbers to plans.~~7/3

NB—0120

N.S.E. Form 134.

CALIFORNIA: PIPING SYSTEM: 592 - 15

Number.	Date.	From or To—	Subject.
246090	8/25	NY	Steam pipe - amended pland, fwds D
249378	9/15	NY	Main ~~exhaust~~ injection fittings - fwds prints.D To--Plan assigned file number.9/22
252987	10/4	NY	Exhaust vapor and escape pipe - fwds print showing arrangement - D To- Plan appvd with modifications. 10-17
253747	10/8	NY	Fresh and feed water piping - fwds prints D To- Plans appvd with modifications. 10-22 NY - fwds print 11/17 D To- Plans appvd. 11-30
266223	12-8	NY	Exciter and auxiliary exhaust, connections to main turbines and condensers; fwds prints.D NY - fwds prints 12/26 To- Revised print satis. 1-10 To- Gives correction for plans. 5-13
289102	3/12	NY	Details of expansion joints, fittings and valves for main steam piping - fwds prints -DR To- Assigns file number for plans. 3-19

NB—0120

[OVER.]

592-16

CALIFORNIA FUEL OIL APPARATUS 1922 4

Number.	Date.	From or To—	Subject.
647119	10/25	Exp Sta Test 1871	Main report on test on defective copper metallic hose received from CO CALIFORNIA To DR- Gives action taken rel samples of metallic hose cc Annapolis 11/4 Pacf.Fleet- CO has shipt defective copper metallic hose to Exp.Sta.for test.11/23 DR To C-I-C Annapolis- 12/11
648076	11/2	Inspr B&W	Copy of letter to M.I. fwdg list of finished tracings of oil burning apparatus D
65			

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

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[OVER.]

1922

CALIFORNIA FUEL OIL APPARATUS

Number.	Date.	From or To—	Subject.	
617200	4/29	To Pug Snd	Centrifugal Separators for fuel Oil system- instln of gives action taken rel cc CO C-I-C Pacific Fleet- Squad 4 L To Pug Sd- Neddy to install small tank 6/30 Db cc CALI Pac Fleet N MEX.	
622414	5/4	M.I.	Addition of oil burner sys. Estimate of increased cost D To MI JOINT Estimate appvd 5/23	
627514	6/4	CO	Request shipping data covering impellors for oil burning instln Y	
627609	6/5	M.I.	Filling and suction fuel oil system also lubrication system. Asks cognizance of. D To MI-- rel instln of pneumercator system 6/20 Mare Isl- Gives division of cost. 8/9 D C&R 8/26- Fwds letter from M.I. rel to weights of fuel oil piping and pneumercator SD Fwds C&R 9/8 Db	

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592-16

N. Eng. 134

CALIFORNIA FUEL OIL APPARATUS 1922

Number.	Date.	From or To—	Subject.	
630146	6/9 6/20	Pug Sd C&R	Installation of hydraulic gasoline storage D	592-15
63 0784	6/28	MI	Subm estimates cov change in cost for increasing heating system steam coil in fuel oil tanks. D. To MI JOINT Chane appvd 7/14	
618166	7/5	To Pug Sd	Fuel oil heaters for Firerooms. Db Y	
644534	9/22 9/30	CO Pac Fleet	Calls attention to defective flexible copper metallic hose. Fwds samples Y To Co dt Pug Snd. Rqsts inform if not satis 10/13 Ra Fwds Exp Sta- 10/13 Ra Pug.Sd- Gives name of contractor- entire purchase was issued to CALIFORNIA. 10/25 To Inspr mat Union- comments 11/1 Inspr Union 11/8 R To Inspr mat Union- insprs action appvd 11/18	R

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
356038	10;4	Ins. B&W	Req. size of oil burners.
382520	12;7 1;4	Mare Is. C&R	Stuffing box fwds print D
360094	1/7/19	To NY	Asks fwd prints for battleships MARYLAND and WEST VIRGINIA - NY copy of letter Ins. NPN fwding prints 1;14
403115	3;15	C&R	Copy of tel. to Mare Is. approving use of seigelite packing for fuel oil piping D&R Mare Is. copy - req. auth. to purchase locally supply of seigelite packing for fuel oil system of D&R 3;13 To Mare Island (T)-Seigelite for fuel oil system appvd. 3-15
556051	3;30	M IS	Request auth to instal Elliot fuel oil strainer in a horizontal position-fwds prints.D To MI Plan appvd 4/14

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N.S.E. Form 134.

592-16: CALIFORNIA: FUEL OIL APPARATUS: 1922

Number.	Date.	From or To—	Subject.
609792	2;25	To S&A	Impellers for fuel oil for-reqn made proprietary. Db
615424	3/22	MI	Addition of oil burner control system-estimate of increased cost. D.
		JOINT---	To MI Estimate appvd 4/6
~~608469~~	~~4/18~~	~~To CO~~	
4/19	Fwds S&A		"Hardite" Impellers for fuel oil burners of the Cuyama Design for the CALIFORNIA Rh
Bu Eng 277-1922			
620564	4/10 4/19	CO Pac Fleet	Rel to allowance of metalic connections to atomisers for oil burning apparatus Y To CO Gives change in allo cc LD50 vessel-MI 5/6 CO 6/4 Ask when delivery may be expected Y To CO- rel shipment of material 7/10

4—3381

[OVER.]

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1916

CALIFORNIA: FUEL OIL APP.

Number.	Date.	From or To—	Subject.	
206837	12/22	B&W Co	Submits quotations on mechanical oil burners and registers; fwds print	592-10
			1917	
217142	3-7	B&W	Oil burners; fwds plans.D. To--Plans appvd.3/14 To M.Is.--Boilers on will be equipped with Peabody system of oil burners. 3/14	
223999	4-19	B&W	Oil burners; Fwds plan for proposed arrag.A To--Plan appvd.4/30	
227896	5/8	B&W Co	Oil burner apparatus - fwds prints and calls attention to their new scheme D To--Comments on.5/12	
227926	5/12	To M.Is.	Asks if extension of time for delivery of oil burners and registers for until Jan 1st, will delay completion of ship. D M Is - Extension of date of delivery of burners until July 1st, 1918 satisfactory 5/21 D	
228655	5/2 5/7	B&W Co M Is	Fuel oil burning apparatus - asks when will be actually required in connection with making latest improvement D To S&A--Reqt contr 429 be amended to call for delivery on July 1st, 1918. 5/22 RB 5-25 Fwd S&A--5/26	

NB—0120

N.S.E. Form 134.

CALIFORNIA: FUEL OIL APP. 592 --16

Number.	Date.	From or To—	Subject.	
246228	8/30	To NY	Fuel oil booster pump discharge to deck. Instrns re install of. D	
254943	10-14	NY	Fuel oil piping; diametric arrangement; fwds print.D To- Plan appvd with modification. 10-29 NY - fwds plan of fuel oil service piping 11/19D To- Plans is appvd. 11-30 NY - fwds print 12/6 D NY - forwards print - D. 2-9 To- Plan appvd. 2-25	
266223	12-12	To NY	Exciter and auxiliary exhaust,connecti ns to main turbines and condensers. Plans appvd. D	
287999	2/6 2/9 2/28	B&W NY M Is	Oil burning apparatus - fwds prints - D To Mare Island- Plans a pvd. 3-19	
351604	9-13 12-28 1-8	Mare Is Insp. Phil Ins. Phila	Ask status of fuel oil heaters contract 31009 with S&K Co R&D Mare Is. req. action 11-21 To--,re delivery fuel oil heaters,12-7 To Inspr Phila,rqst inform re above,12-7 Ins. Phila 12-10 To Inspr Phila-Reqts ascertain probable date of delivery of fuel oil heater to? 12-23 To Mare Is- Advises del of oil heaters for expected 1/21/19 1/2/19	

NB—0120

[OVER.]

CALIFORNIA: MACHINE TOOLS:

Number.	Date.	From or To—	Subject.
529636	11;11	M IS	Gives cost of providing boring bars for shop equipment.D
531662	11;20	M IS	Addtl work shop equipment est of inc cost.D
574470	7;11	M IS T	No emery grinder has yet been furnished by NY reqt instrns.D To MI Gives Comments 7/13 M IS-7;27-D To Comdt MI- No permanent ly instld tools supplied 8/5 Db cc Comdt N Y
584266	8;30	M IS	Change in trolley tracks of work shop- submits estimates.D
595329	11/15	To S&A 9170	Reqst shipmt of Arbor Press from Hamp Rds To CO Rn Y RB 3/28/22 Y To CO Ask if shipment recd 3/22 CO- Material recd. 3/29 Y
596996	11/16	CO	Fwds copy of expenditure 36/22 cov 1 electrician pocket tool kits - recommends be approved. L To CO Expenditure appvd and returned 11/29

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Number.	Date.	From or To—		Subject.	
~~615687~~	~~3/23~~	~~M.I.~~		~~Relocation of whistle estimate of increased cost D~~	
620598	4/27	To MI JOINT		Change Blowers for Exhausting fumes from forge and furnace in Blacksmith shop D approved D	
9585	5/31	To S&A	396	Rqsts shipmt of Lathe from Hamp Rds to USS CALIFORNIA R D C&R	706

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N.S.E. Form 134.

CALIFORNIA: MACHINE TOOLS 1918

Number.	Date.	From or To—	Subject.	
339560	8/19	Inspr Milw	Machine tool motors; fwds report - I&S	
393182	2-6	Inspr N.L.	Fwds copy of letter dated 1-25 Fwds tool equipment plan D	
1221	8/19	To Cdt MI Tel	Are all machine tools ordered for battleship CALIFORNIA delivered and in store R	705
1221	9-10	Mare Island	Relative to using lathes of the USS CALIFORNIA	629
446665	9/13	Mare Is	Request for drill presses for use in connection with electrical work on battleship CALIFORNIA: A	615-7
4748634	2:7	C&R	Copy of letter to M IS fwding prints showing location of CPO quarters and elec workshop.D&L	
486746	4;3	M IS	Request elec arc welding outfit with necessary connecting cables ~~instalt~~ etc be added to allow list.D To M Is- Reqt disappvd. 4-12	
524050	10;12	M IS	Proposed change in general workshop-fwds print showing.D To Mi Plan appvd 11-3	

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[OVER.]

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CALIFORNIA: MACHINE TOOLS. 1917

Number.	Date.	From or To—	Subject.	
217598	3-10	S&A	Lathe; contract 26515; asks probable date will be required in connection with shipment.D.	
305870	5-11	Sipp Machine Co T	Drilling machines and spares on contract 32275 ready for immediate shipment - contract calls for July 1st shipment but request June 1st shipment - will ship by freight unless authorized to ship by express. To Brook- Fwds copy of above telegram.	5-14
329032	7/20	Inspr Mil	Controllers to be used for operating machine tool motors-fwds test record of	592-5
331470	7/22	M Is	Rqst that GE Co be directed to furnish list of tools-wrenches etc for peppelling machy and auxiliaries for	592-9
NY-5687	8/5	Inspr Brook	One cornice shipt to Mare Is 7/25 for Calif and one to NY fot Tennessee	629

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CALIFORNIA PUMPS 1922

Number.	Date.	From or To—	Subject.	
615423	3/22	MI	Instln of fuel oil booster pump discharg to deck- estimate of increased cost. D To MI- Appvs estimate 4/4 Dn	
615431	3/21	MI	Instln of zentrifugal safety regulating governors- on fuel oil service pumps- estimate of increased cost. D JOINT---- To MI Estimate approved 4/6	
618376	4/3	CO	Reports salting of boiler thru stopping of condensate pump caused by malicious or careless act in pulling out switch on engine room switchboard- recommends that all circuits of auxiliary pumps be fitted with pilot lamp on board in main control room. DL/ Pumps- and switchboards 12 Fwds Oper'ns 5/8	

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N. Eng. 134

CALIFORNIA PUMPS 1922

Number.	Date.	From or To—	Subject.	
620405	5/27	To Pug Snd	Motor Driven feed pump for port use- Storage battery for auxiliary power supply instln of Gives Action taken cc CO- C-I-C Pacific Fleet- Squad 4- C&R Db L To Pug Snd Fwds print cc CO 6/9 Pug. Sd. 7/27-Battery stowage for feed and fuel oil pumps- fwds prints. 7/27 D Pug Sd- 7-28 Tel-- Reqt action. D-L To Pug Snd (T) plan apprvd cc C&R 8/4 Pug Sd 10/4 T. Recommends approvment of arrangement of stowage battery on CALIFORNIA be followed for TENNESSEE. L To Pug Snd (T) grants authy 10/5	
620617	5/27	To Pug Snd	Motor Driven Fuel/oil service pump for port use- instln of Gives Action cc CO- C-I-C Pacific Fleet- Squad 4- C&R Db L	

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CALIFORNIA: PUMPS.

Number.	Date.	From or To—	Subject.	
423116	6-4	Insp NPN	Condenser equipment for condensate motors- Fwds prints. D To Inspt NNs- Plans appvd with comment 6-19 N Y Fwds drawing 6:30 To I.M.Ny- Gives detail comment on plans 7-15 Copy to Inspr Westinghouse. Inspr NN- Fwds prints 8-8 Inspr FR 8-27	46-B-19 46-B-19
465273	12;23	NY	Omission of 4 hot well pumps on-request action on deduction from estimate covering.D To I.M. Ny Fwds corres 12-27 copy to Inspr GE.	
501261	5/27 6/8 6/19	Inspr GE NY M IS	Addition of gear oil pump to main turbine shaft- submits estimates. D	592-9
504949	7;7	M IS	Copy of letter to NY requesting complete shipping data covering panels and boxes for submersible pump control system.L	
511486	8;12	SOL void see 2	Fwds copy of Dept's order appointing Bd to hold preliminary trial.D	
52179	1/24	N.W.	Fwds prints and specifications cov electrical equipt for lubricating oil pumps for CALIFORNIA. S	629

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[OVER.]

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CALIFORNIA PUMPS 1921

Number.	Date.	From or To—	Subject.
547305			
			To IM NY Plans and specens appvd with Mod assgd file No 2/19/21 D.
			NY-fwds prints and specns covering elec equipment for lubricating oil pumps-1;24
			NY-drainage pumps fwds plans & specns-4;15
			To IM NY Plans apvd assgd file 4/25
571114	6;21	Electro Dynamic Co	Reqt prints showing standard hatching for motors for lubricating oil pumps.D
			To Electro Dynamo Co Fwds specens 6/27
583340	8;26 FwdS&A 10/15	M IS	Fuel oil service pump change in direction of - contr claims inc cost - contract 28280.D&S production?
			Fwd S&A 9/12
			Kinney Co-protest against M IS charges-9;16-K&D
			Fwd MI 9/30 RB 10/12 K
584085	9;2	Inspr Milw	Lubricating oil pumps-motor driven-fwds test report.DS&L
585531	9;14	S&A	Copy of letter to Kinney Co contract 28280 changing direction of reduction of fuel oil pump.D&S
		1922	
614753	3/15	MI	Change in size of reserve feed pumps and addition of suction from main feed tanks, estimates of increased cost. D.
			JOINT--- To IT Estimate appvd 4/6

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Number.	Date.	From or To—	Subject.	
327778	7-17	Inspr Beth	Fwds test reports for centrifugal pumps and pump governors for. S	
326444	7/13	Inspr Beth	& CALIFORNIA-contr 28248-main feed pump Cameron type fwds prints	573-19
332176	7-30	Inspr Bethlehem	Fwds test data on oil cooler circulating pumps manufactured by Cameron Steam Works D&S	
332175	7-30	Inspr Beth	Fwds test data boiler feed pumps from Cameron Steam Pump Co. - D&S	
1 349330	9-17	NY	Fwds plans. To NY, Plans listed approved, 9-30 NY Ask if Bureau plans assinged are correct 10:7 DR To NY, gives corrections for above 10-11	
360090	12-6	To M Is	Fwds lithoprints covering turbine equipment for main feed pumps, Db	

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N.S.E. Form 134.

CALIFORNIA: PUPMS

1918

Number.	Date.	From or To—	Subject.	
378411	12;11 12;17	Ins. GE NY	P rints fwded showing outline and sample of motors for dynemo and circuiting pumps D To NY- approves GE Co plan r dynamo condense pumps for with comments on- 1/7/19 NY 4/26- Fwds prints - To NY- approval of GE plans 5-5	
380319	12;24	NY	CALIF. cont. 1068 air ejector for main and dynemo condensors fwds prints D To- Lists plans appvd with comment. 1-17 NY relative to condenser panels 2;25	
380320	12;24	NY	Dynemo control circuiting pump fwds report on test together with durve sheets D	
399980	3/5	NY	Motor driven forced lubrication pump - fwds print.	
422862 To Mare Island- Fwds lithoprints. 7-15	6;3	Alberger Pump & Cond. Co	Fwds. tracing with detail comments covering dynemo circulating pumps for D To- Lithoprints to be excepted instead of original tracings. copy to Inspr GE 6-26 Alberger Pump Co 6:27 Inspr GE 7/8- Submits prints covg dynamo condenser circulating pumps. D	

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CALIFORNIA: PUMPS.

1918

Number.	Date.	From or To—	Subject.	
285572	2-27	NY	Pumps for forced lubrication-fwds prints. D To- Plans appvd. 3-14	
289107	2/26 3/13	GE NY	Main circulating pumps manuf by Alberger Co- fwds test records - D To- Will accept pumps on test already conducted. D 3-15	
295219	4/3	NY	Authorized lubrication pumps - fwds plans - DR To- Lists palns appvd with modifications. 4-8	
295218	4/3	NY	Calibration pump-dynamo condenser circulating - detailed plans - fwds - DR To NY- Plans appvd with comment. 4-10	
28693	5/8	M P Davidson	Request authority to shp pumps for Claifornia to NY - D	USS 629
306290	5-10	NY	Fwds prints of Alberger Pump & Condenser Co plans of assembly and details of dynamo condenser circulating pumps. D To N Y Approving plans and details of the dynamo condesner, 5-18	

N.S.E. Form 134.

CALIFORNIA: PUMPS. 592 - 19

Number.	Date.	From or To.—	Subject.	
310396	5-28	Fwd S&A	Re contracts with M T Davidson Co for pumps for ~~& TENNESSEE D&A~~ 19	
310743	5-31	To N Y	Approving drawing list for the Main generators D	
313458	6/4	S&A	& TENNESSEE - Copy of letter to M. T. Davidson Co. relative to reduction in price on account of change of material of pump cylinder liners from monel metal to Composition G- D	
311976	6-14	To N Y	Plans showing outline of generator approved, D	
316981	6/20	NY	Force lubrication pump motor - fwds print - D To NY, dwg approved, 6-5	
324600	7/8	NY	Forced lubrication pumps - fwds various prints - D&R To NY, plans listed approved, 7-15	
1305 NY	6/17	Mare Island	Pump Governors for TENNESSEE & CALIFORNIA received 2/14 R&S	629

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CALIFRONIA: PUMPS. 1917

Number.	Date.	From or To—	Subject.
221663	4-7	NY	Main circulating pump; detailed plans; fwds.D To--Plans appvd.4/18
224261	4-21	NY	Gives circulating pump outline; fwds plan.D To--Plan appvd.4/30
225526	4/28	NY	Dynamo condenser circulating pumps; fwds prints and details.D To--Plans appvd.5/7
229300	5/19	NY	Pumps dynamo condenser - fwds print D To--Plans appvd.5/29
230975	5/28	NY	Oil cooler circulating pump - fwds plans D To--Plans appvd with comment.6/5
240362	7/24	NY	Lubricating oil pumps - fwds prints D To--Disappvs.8/8

N.S.E. Form 134.

CALIFORNIA: PUMPS. 592 - 19

Number.	Date.	From or To—	Subject.
241509	7/31	Exp Sta TEST 888-A	Pump shafts S.1 To Pitts--Auth accept.8/1
244402	8/15	NY	Circulating pumps for lubricating oil coolers - fwds prints D To--Plans appvd.8/24
245687	8/23	Cincin	& TENNESSEE centrifugal pumps - fwds report on inspection of D To--Auth a ccept.8/28
246391	8/28	NY	Main and dynamo condenser and oil cooler circulating pump - motors for - request action on their letter of July 10th , not recd D To--Reqt duplicates of originals.8/30 NY - fwds prints 9/7 - D To- Plans appvd. 9-18
270423	12/27	NY	Pumps - outline of forced lubricating oil - fwds prints - D to - Plans appvd. 1-10
278909	2-2 To- Plan appvd with comment.2-13	NY	Dynamo condenser circulating pumps fwds prints. D.

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CALIFORNIA: PUMPS.

1916

Number.	Date.	From or To—	Subject.	
194860	7/26	NY	Motors for main circulating pumps; fwds plans. DR To--Appvs with modi. 8/8	
198722	9-7	NY	Pumps; reqn submitted involves change in specns; reqt action on omitting condensate pumps and installing air pumps	573-19
202798	10/18	NY	Main air pumps; will forward requisition for increased size	573-19
203053	10/21	To M. Is.	Main air pumps, chang in size of. Bu has auth change. Gives changes to be made in Special macny specns. D	
250	11/9	Worthington Co	Boiler feed pumps; relativeto speed, water rate, etc	706
206010	11-18	NY	Main circulating pumps; plans. D To--Plans appvd with comment and modi. NY fwds revised plans 2/27 To--Plan appvd. 3/9	11/29
209618	12-12 12-22	GE NY	Lubrication punps; relative to change in sizes. D To GE via NY--Appvs change. 12/27	

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N.S.E. Form 134.

CALIFORNIA: PUMPS. 592-19 1917

Number.	Date.	From or To—	Subject.
212245	1-22	NY	Circ pumps after dunamo condenser; fwds plans.D To--Plan appvd with comment. 1/25
212165	1-19 To--Proposed arrgt seems to be satis. 1/31	Alberger P&C Co	Main circulting pumps; fwds sketch showing change to provide for 28" suction and discharge. To NY--Fwds sketch showing proposed arrgt for comment. 1/24 NY can arrange to install pump dimensions given 1/29
212800	1-27	NY	Lub oil pump; fwds plan. D To--Plans appvd. 1/31
214141	2-2-16	GE Co	Relative to type of centrifugal pump.D
214958	2-13	NY	Dynamo condenser circ pump; fwds Alberger plans.D. ~~To NY--Plans appvd with modif and comment. 2/28~~
217879	3-12	NY	Main turbine bearings; proposed duplicate NEW MEXICO type; NY recommends self aligning type.D.
218134	3/14	NY	Oil cooling circulating pump; detail plans; fwds.D To--Plans appvd. 3/28
220211	3-28 To NN--4/7	GE	& MARYLAND: WEST VIRGINIA; forced lubrication pumps; request official information relative to duplicating CALIF for MD and W.VA. D ~~To--Pumps should be of 200 gallon capacity each.4/7~~

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[OVER.]

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CALIFORNIA VALVES 1922 4

Number.	Date.	From or To—	Subject.	
643538	9/16 9/25	CO Pacific Fleet	Gives reasons why stop valves were substituted for unloading valve main turbine and 300 KW packings D	592-9
636312	FROM CARFD #3		American Steam Guauge & Valve Co.- Request defective floats be retd. 10/16 D To American Steam gauge & valve Mfg Co- shipment of defective flots 10/20 To CO- Gives disposition of defective floats 10/21	

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Number.	Date.	From or To—	Subject.	

CALIFORNIA: VALVES.

Number.	Date.	From or To—	Subject.	
336301	8/10	S&A	Safety valves for main boilers - recommends that valves be purchased against the Crosby Co's acct - DR&S	
340900	8/23	S&A	Copy of letter to Consolidated Safety Valve Co authorizing proceed with manuf of duples safety valves for - D&S	
351032	9-12	SEE CARD #2	Fwd S&A D Fwd S&A 9-12 NY 9-14 4 inch valves order for each boiler To NY, re safety valves for main boilers 9-18 To S&A, re safety valves for main boilers 9-18 NY fwds. prints 10;19 D To NY,re safety valves for main boilers 10-26	
356686	10/7	Ins GE	In comm w changes in drawing of valve casing so as to be -- service machine off flush	592-9
358671	10;12	NY	Relieve valves for 300 KW exciter exhaust fwds prints DR To NY,approves above 10-21	
361827	10/23	Hartford	Safety valves Consolidated Safety Valve Co - no shipments made - R	

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N.S.E. Form 134.

CALIFORNIA: VALVES.

Number.	Date.	From or To—	Subject.	
415772	4/26 Fwd I.M.	Mare Is. Ny. 5/6 R B 5/14	300 KW turbine fwds test data in connection with gate valves in exhaust line D&L. To Comdt Mare Island- Valve to be accepted without further tests. 5/15 copy to I M N NY fwds print 5/23	592-5
440972	8/19	NY	Arrangement and details of safety valves easing gear - fwds prints - D To NY- plans approval 9/3	
449173	9;27	M IS	Submits proposed change in valve operating gear.D To Comdt Mare Island- Proposed change in vlave operating gear is authorized. 10-6 copy to I.M. Ny. D	
530734	11/16	Mare Island	Instln of cut out valves with operating geared in main steam and auxillary lines estimate of increased cost. D.	
		1922		
636312	7/19 7/31	CO MI	Failure of steam traps due to crushing of ball bearing floats- fwds sample with report. DY To American Steam Gauge and Valve Co- Requests comment 8/19 Schaeffer & Budenberg 8/22 Request floats be shipped to Boston plant D American Steam Gauge & Valve Co 9/30 will make new trap mechanisms D To American Steam Gauge & Valve Co- new floats will be furnished without expense to Govt 10/5 American Steam Gauge & Valve Co 10/10 D To Amer Steam Gauge & Valve Mfg Co- Govt bill of lading unnecessary 10/14 Db cc Boston. To Boston- Floats for steam traps 10/14 Db	
TO CARD	4			

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CALIFORNIA: VALVES.

Number.	Date.	From or To—	Subject.	
231914	6/2	NY	Sea valves - fwds plan of arrangement D To--Plan appvd.6/9	
236516	6/30	NY	Assembly of 8 inch spring loaded back pressure-fwds print D To--Plan appvd. 7/10	
244401	8/15	NY	8 inch back pressure valves - fwds prints D To--Plans appvd.8/24	
259949	11/9	NY	8 inch back pressure assembly - fwds prints - D To- Plans appvd. 11-16	
265686	12/5	NY	Steam stop valves 12/5 D	
26207	5/28	Inspr. Mass.	Rqst shipping instrn for pump motors from GE Co.	629

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CALIFORNIA: VALVES. 592 - 20

Number.	Date.	From or To—	Subject.	
271878	1/5	NY	Pressure regulator valve for 300 KW generating sets - fwds prints - D To- Plans appvd with comment.	
273497	1/12	NY	Valves- back pressure (8inch) - assembly and details of - fwds To- Plans appvd. 1-24	
278424	1-31	NY	Valves 11 in. Auxiliary exhaust cross connections fwds prints D. To- Plan appvd. 2-12 NY - Fwds modified plan. D 2-27	
281105	2-9	N Y	Valve - forwards prints, showing arrangement. D To- Plan appvd. 2-19	
288200	3-8	NY	Special 8 inch valves for auxiliary connection to main turbine bends. Fwds prints. D GE - 3/9 NY 3/14 - request action - D To- Plans appvd with modifications. 3-15 NY - request corrected plan number - 3/26-D To NY- Gives correct serial number for plan. 3-29 NY - valves - 8 inch special - fwds plans - 4/8 DR	
		To NY-Assigns file number and plan supersedes previous plan 44-B-443. 4-15		
295221	4/3	NY	25 valves for main turbine exhaust piping - fwds plan - DR To--Appvs. 4/10	
324597	7-15	To NY	Plan for support for low pressure valve emergency, on main turbines appvd.	592-9
331032	7-31	To NY	Re change in design of safety valves for main boilers D To S&A Re cancelling contract for safety valves with Crossby Steam Gage co 8-1	

Consolidates Safety Valve Co - 8/28 S&A 8/31
A ska no. of extra springs and gages reqd - 8/31
sks also for Tenessee (duplicate letter card 3

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1916

CALIFORNIA: VALVES.

Number.	Date.	From or To—	Subject.	
197458	8/23	To Dept	Cutout valves in main steam and auxiliary exhaust lines between engine rooms; addition of	573-20
206587	11-24 NY fwds sketch showing proposed modification in base castings of valves 1/19 To NY--Alteration satis. 1/25	Crosby Steam G&V Co	Fwds plans; request information relative to inlet Y fitting, full bore inlet, etc.D To--Gives dimension which will be reqd. 12/2 Co relative to outlet flanges, 12-14 To--Plans appvd with modif and comment. 12/29 Crosby Co. returns without letter 1-10 Crosby Co fwds 26 amended plans 1/9 TO M.Is appvd 1-12 TO NY appvd 1-12 TO Crosby returns prints 1-12	
209686	12/27	To C&R	Rec locking device for main and bilge injection valves be omitted. Also on TENNESSEE. D C&R fwds plan 12-29	
			1917	
210707	12-30	Crosby Steam G&V Co	Safety valves; cont 27952p fwds plans with comments on liefting gear.D	
211608	1-13	Crosby Steam G&V Co	Safety valves; impossible to furnish bodies and tops with class B cast steel; reuquest authority to substitute Comp G. D To Mass--Auth substitution in this case. 1/19	
211967	1-15	Crosby Steam G&V Co	Safety valves; necessary to make certain parts of class C castings to give sufficient stiffness instead of comp G originally agreed upon.D To--Plans appvd with comment. 1/24 To NY--Fwds prints. 1/24 To M.Is.--Fwds prints. 1/24	

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CALIFORNIA: VALVES. 592-20

Number.	Date.	From or To—	Subject.
212765	1-27	Mass	Adverse report on safety valves submitted by the Crosby SG&V Co. Cont 27953.D. To--Acknowledges. 1/31
212775	1-26	Crosby SG&V Co	Valves; request authority to substitute high grade Carnegie bolt steel for material called for in specns. SD To Mass--Auth use of. 1/31
218607	3/14 3/17	Crosby SG & V Co Mass	Reports difficulty in obtaining class B steel; contractor's request authority to furnish steel valves made of Carnegie commercial steel.S Fwd S&A--3/20
223661	4/11 4/17	Crosby SG&V Co NY	Cont 27952, boiler safety valves; relative to omitting base casting.D To NY--Instrns re manuf.4/21 To S&A--Re amendment of contract due to omission of 16 Y-base castings.4/21
224051	4/19	Mass	Contract 27952, valves and springs; fwds prints showing changes desired by Crosby Co D To--Wrong set of prints fwded.4/28 Mass fwds Crosby Co's prints 4/30
225132	4/27	Exp Sta	Copy of letter to Crosby SG&V Co relative to test of safety valves.D
226789	5/6	~~Calif~~ NY	Main steam stopvalves; fwds plans.D To--Plan appvd with modif.5/12

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CALIFORNIA ALLOWANCES 1922

Number.	Date.	From or To—	Subject.
637849	7/28 8/7	CO Pacf.fleet	Request allotment of $300 cov alterations.Y
		CANCELLED See- 610958- 603	
639772	9/2	To CO USS CALIFORNIA	Change in allowance list on USS CALIFORNIA. Ya cc CO To Pug Snd- Asks when change has been made. 9/2 Ya CO 9/11 Y Pug Sd 10/11 Y To CO- Amendment of change- cc EO SO vessel Pug Snd- Mgr- SO 10/18
642600	9/5 9/16	CO Pac Fleet	Recommends small bulletin boards be added to allowance list Y FwdsC&R 9/29 C&R 10/5 Copy of action to CO Y

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CALIFORNIA ALLOWANCES 1922

Number.	Date.	From or To—	Subject.	
644850	10/12	To USS CALIFORNIA	Changes in allowance list Ya cc CO Pug Snd. Ya	
648762	11/14	To CO	Rel to changes in allowance list. cc to Engineer and S O CALIF - LY Pug.Sd.	
650400	1/26/23	To Co	Gives change in allowance cc CO EO SO Ves. EO SO Comdt Pug Snd LY	

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CALIFORNIA: ALLOWANCES:

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Number.	Date.	From or To—	Subject.
569029	6;3	M IS	Request instrns relative to obtaining gas analysis outfit.Y To CO Quotes from Dept Supply- NY let 6/21 6/24 Yb
576034	7;8	M IS	Reqt auth to change allowance lost as regards gas analysis outfit.Y To Comdt MI 7/28
578107	7;25	CO	Reqt Willard storage battery be added to allowance list.Y To CO- gives standard ratings 8/12 CO- Rqst batteries and spares for motor boats.9/8 Y To CO- Gives Change in allow- cc SO EO 9/26
579564	8-12	To CO CALIFORNIA	Change number 5- allowance list DY
581478	8/20	To MI	Directs that listed Title "C" Articles be furnished- Ya cc CO M IS-fwds priced copies of invoice-10;7-Y
609605	2-18	To CO.	Change in allowance covering spare storage batteries for staff boars. 2/18

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CALIFORNIA ALLOWANCES 1922

Number.	Date.	From or To—	Subject.
617722	4/5	MI	Omission of four 30 ton chain hoist and addition of 6 one ton chain hoists- estimate of decreased cost. Y
		JOINT	To MI- Omission approved 4/17
618166	4/18	To Pug Snd	Fuel Oil Heaters for Firerooms- Instln of cc CO- C-I-C Comdr Battleship Squad 4- Pacific Fleet Db Y
621509	5/4	To CO	Gives Change in allowance list cc EOSO vessel MI Ya
628933	6/24	To CO	Gives change in allow list cc EO SO yard- EO SO vessel L y
636606	7/1 8/2	CO ~~Battleship Sqd 2~~	Fwds balance sheet title B equipage quarter ending 6/30.Y

4—3381

[OVER.]

CALIFORNIA: ALLOWANCES. -1920-

Number.	Date.	From or To—	Subject.	
489811	4/17 To	M Is	Reqst slotting tools be added to elec. allowance list - Y To M. Is- Addition of portable elec commutator slotting tool disapprvd. 4-28 To J.H. Vail— Jumps for advertising commutator slotting tool as being used on board ship. 5/15 To John Vail— Advises that matter re to in Bu. let 5/15 is a natural mistake. 5-22.	
496257	5-27	To M.I.	Gives list of changes in allow list CC EO-SO-EO M.I. -SO M.I. Y	
508263	7-30	To Comdt .M.I.	Change in electrical allowance for LY	
513248	8/24	To M.I.	Changes in allowance list Y	
522471	10;11	NY	Recommends elec matl listed be added to allow list.Y To M NY appvd cc EO-~~MI~~-SO- M_1- Prosp Eo-SO ship 10-18	

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C LIFORNIA ALLOWANCES 1920

Number.	Date.	From or To—	Subject.	
523819	10-19	To MI	Gives list of addns to allow ist cc EO-SO MI- EO-SO Vessel Y	
533449	12;2	M IS	Request authority to change allowance list as regards chain hoist.Y To MI Gives list of changes in allow list cc EO- SO MI EO- SO vessel 12-10	
540330	1/15/21	To IM NY	Gives changes in allow cc EO-SO MI- Pres EO Ship SO Ship L	
551813	3/11	MI	Recommends incandescent lamps be added to allowance list. Y To MI Gives Change in elec allow cc MI- SO MI- P Pres EO/CALIFORNIA SO 3/22	
558682	4/21	To MI	Gives Change in allowance L cc Comdt- EO MI- Pres EO-SO CALIFORNIA Y	
559170	4/23	To MI	Gives Change in allow cc SO EO MI-Pres EO SO CALIFORNIA L	
564137	5;10	CO	Request allow list be furnished.Y To Senior officer- Fwds allow lists 5/20	
564128	5;10	CO	Request addtl elec fans be added to allow list.Y To MI Gives Change in allow cc SO MI Senior officer Ship- Pres EO-SO Ship 5/27	

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CALIFORNIA: ALLOWANCES.

1917

Number.	Date.	From or To—	Subject.
264124	11-21	M Is	Request supply of allowance blanks. R To- Fwds copy allow lists as ~~xxxx~~ guide. 12-17 To- M Is 12/27 Fwds ~~one~~ copy appvd allow list. 1-17
		1918	
277929	1-3 1-22	Navigation M Is. VOID	Relative to outfit R. Fwd Union via FR and Mare Island. 3-25 Fwd Dept. 4-6
		1918	
271 310396	5/20 5/24	M. T? Davidson S&A	F wds invoice covering pumps - D&K
436233	7-31-19	To I.M. Ny	Desires information re marks placed opposite various items in Allow Lists. Ya NY - 8/5
440794	8-21 To M Is. Fwds appvd lists. 1-20 copy to Ny. 1-20 NY - 1/26 To M Is-Gives changes for thermometers. 1-28 copy to E.O. & S.U. vessel and M Is. M IS-2;27	To Comdt Mare Island	Fwds copy of preliminary allow list. Ya M IS-fwds allow ~~xxx~~ list 12;4 To I.M. NY- Reqts list of all gauges, thermometers, lifting and handling gear be furnished. 12-22 To I.M. NY- Reqts instructions be expedited. 1-3 NY-submits list of gauges thermometers and generator house. 1;15

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N.S.E. Form 134.

592 - 21 1919

Number.	Date.	From or To—	Subject.	
454563	10-27	N Y	No steps taken to compile electrical allowance list for.	Y
457592	11/8	M Is	Reqst NY Yd be authorized to prepare elec. allowance list for - Y To I.M. Ny- Fwds copy of letter to Mare Island this date. Be guided accordingly. 11-17 To Mare Island- Allow list to be preapred	Island at Ny 11-17
463462	12;8	M IS	Request allowance list. Y Fwd S.O. Mare Island. 12-17	
476592	2-18	To M Is	Lists additions and changes to allow lists authorized. Ycopy to E.O. & S.O. M Is and vessel. M IS-2;28 Fwd M Is. 3-10	
477490	2/24	To Comdt M.I. To M I Gives change in allow cc EO- To ves E SO M I 1-11	Changes in allowance list authorized. copy Engr SO Vessel Engr SO M.I. ~~Impr FR fwds contrs comments loc I~~ M IS-ask if changes in allow will be auth-9;27-Y	Y
484465	3;29	NY	Fwds proposed elec allos list for. Y To I.M. Ny- Elec allow list appvd. copy to Comdt M Is. 4-2 NY - 5/19 - Y	

4—3381 [OVER.]

592-22 CALIF WHISTLES 1922

Number.	Date.	From or To—	Subject.	
615687	3/23	M.I.	Relocation of whistle estimate of increased cost D	
		JOINT--- To MI Estimate appvd 4/6		

4—3381

Number.	Date.	From or To—	Subject.	

CALIFORNIA: AIR COMPRESSORS 1916

Number.	Date.	From or To—	Subject.	
77	9/13	Diehl Co .	Motors for air compressors.	706
205527	11/14	NY	Cont 27764; air compressors; fwds specns, list of spares, etc	573-23
206987	11-28	NY TENNESSEE	& CALIF: air compressors; fwds plan and recommends certain changes in	573-23
		1918		
331490	8/29	To Mare Is.	Encl. copy of let. from Insp. Westinghouse.	
365790	10-29	Inspr. Westinghouse	Fwds. Curves covering Arejector and condesate equipment S	
419485	5-17	Inspr Westinghouse	Fwds curves showing operation of arejector equipment D&S	

N.S.E. Form 134.

CALIFORNIA: AIR COMPRESSORS

Number.	Date.	From or To—	Subject.	
1068	5/29	Inspr Westinghouse	Fwds copu of letter of May 15th to Mare Island stating air ejector equipment of condensors for Cal shipt 4-25 R&S	629
428847	6; 26	Westinghouse EM Co CANCELLED-entered on 407882-592-12.	Supplementary copy of letter to NY req. cont covering air ejectors be rewritten calling for delivery Sept 15 D	
512865	8/21	Inspr Westinghouse (T)	Air ejector equipt on N.Y. contract 1068 and 4panels received. DY	

NB—0120

[OVER.]

CALIFORNIA GAUGES & INSTRUMENTS 1922

Number.	Date.	From or To—	Subject.
631087	6/28	M.I.	Submits estimate increase cost for installing theomometers in ventilating trunks D To M.I. Approved 7/11 Dn
631821	5/19 7/3	CO Pac Fleet	Fwds invoice of Pneumercator Co covg services of engineer on boat. Same not requested K Fwds Disbursing office 8/3
637003	7/17 8/3	CO MI	Fwds public bill cov final 10% payment on pnemuercator equipt installed on. Recommends settlement. DK Fwds Disbursing office 8/28 RB 9/1 DK Fwds S&A 9/9
648710	10/27 11/2	CO Pacific Fleet	Submits report covering Jerguson water gauge glasses. Rqsts glasses meeting specifications be furnished D To Pug Snd- Reqsts Inform 11/23 Pug Snd 12/1 R

4—3381

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CALIFORNIA GAUGES & INSTRUMENTS 1922

Number.	Date.	From or To—	Subject.	
653299	12/6	CO	Ask when delivery of salinometer indicating outfit may be expected DY	
			To S&A Reqst shipment of indicating outfit from Pug Snd to San Pedro 1739 12/15	
			To CO- status of shipment cc Pug Snd 12/18	
			To San Pedro- Ask if shipment recd 3/6 RB	4/7

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.	
466446	1/3	To NY	& CALIFORNIA- Pressure and Vacuum Gauges for Installation . D	573-24
465110	1-8	To I.M. Ny	CALIFORNIA - Rearrangement of Elec Instruments on controlling room switchboard.D	573-24
471353	1;22	NY VOID	Rearrangement of elec instruments on control room switchboard-fwds prints.L	
483106	3/22	NY	Elec instruments on main board testing and terminal board propulsion control apparatus fwds prints. D	592-9
437731	4/3	Inspr GE	Ask if suitable indicators similar to those installed on NEW MEXICO will be purchased for CAL MD & W.VA. D	554-24
514890	9-2 To Gen Inspr Phila reqst dup cc of report le fwd 9-28 N.Y.- Fwds prints. 11/12 D To IM NY Plans appvd 11-15 NY-11;20-D	To Inspr GE. To Inspr GE. Reqst estimates be submitted CC IM NY 9-21	Ask price at which can furn Stability Indicators CC IM NY- MI 9-2 Inspr GE-can mount on central panel-quotes price-9;16-D Inspr GE-fwds estimate-9;25-D To change appvd 9-28	

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N.S.E. Form 134.

CALIFORNIA GAUGES AND INSTRUMENTS 1921

Number.	Date.	From or To—	Subject.	
5 540834	1/14	Bd on Changes, GE	Addition of two stability indicators- estimate of increased cost. Increased cost: D. To G E Co via Inspr Fwds report appvd 1/24	
1 542942	1;20	M IS	Request instrns relative to transportation expenses for engineer in charge of pneumercator installation on D. Fwd S&A 2/5/21 RB 12/3 D Compsn Bd-copy of action to Cost Inspr Union-1;20 S&A-fwds letter from Pneumercator Co-2;19-D Fwd S&A 2/24/21 S&A-copy of action to Pneumercator Co-2;28D S&A-3;7-D To S&A. Will issue instrns 3/9 S&A-fwds corres in connection with bill rendered by Pneumercator Co covering travel of their engineer-3;18 cross to 535-4 S&A-ask if Mr.Keuhne was supervising Engineer employed under contract 380-3;24	
553			To S&A. Reqst Insorm 3/29 Fwd S&A 12/7	
575072	7;14	NY	M IS reqtd to alter allowance list covering gas analysis outfit fwds prints.D To Comdt NY Tng requisition for Gas analysis outfit 7/23 Db	
589045	9;28	CO	Reqt two clocks for distribution room be furnished.Y	

4—3381

[OVER.]

N.S.E. Form 134.

CALIFORNIA: GAUGES & INSTRUMENTS. 592 - 24

Number.	Date.	From or To—	Subject.	
311081	5/26	NY	Fwds prints showing arrangement and details of revolution counters for main propelling motors - DA To N.Y., approving plans, 6-3 To M. NY Reqst Fwd Inspr MN Plans C Inspr MN 8-3	
313109	6/3	Pneumercator Co.	and TENNESSEE -request grouping on various gage boards in order to complete sample of instruments. D Fwd NY, 6-11 RB 6-28	
31813	8/15	Inspr Phila	Pneumercator eqpt for CALIFORNIA & TENNESSEE-con contractors rqst partial payment coverg	629
418722	5-14	New York	Requ cancellation of shaft revolution indictor system of schedule D	
3179	7/8	Mare Island.	Fittings for steam gauges for CALIFORNIA recd. R&S.	629
440591	8;18	Inspr GE	Fwds copy of letter from GE Co in connection with method of attaching tachometer for turbo generator on CALIF MARYLAND & W VA To Inspr GE- Desires that the tachometers for turbo-generators be attached to the generator ends of the units. 8-21	
NY-copy of letter		to GE-9;3		

NB—0120

[OVER.]

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CALIFORNIA: GAUGES AND INSTRUMENTS.

Number.	Date.	From or To—	Subject.	
			1916	
192006	6/29	To GE	Instruments for recording temperatures in generators in engine rooms; directs be installed as change in cost	554-9
202964	10/18	GE	Instruments for recording temperatures in generators and motors; estimate change in cost.D	592-9
			1917	
213387	2/3	M Is T	Fuel oil tanks indicators; request instructions.D To--(T) 91 indicators including hold tank abaft 131. 2/6	
222771	~~4/13~~ 4/6 4/13	GE NY	Graduations on gauges and thermometers.D To via NY--Appvs contrs reqt.4/18	
240968	7/17 7/27	GE NY Yd	Gages, thermometers and tacometers furnished by GE Co - fwds list and location D To--Appvs list with comment.8/2	
			1918	
306843	4/20 5/6	Cummings Ship Instrument Wks M Is	Request omission of stop clocks on contract 572 in connection with instruments for California - D To S&A- Extended date of delivery to be March 4, 191. 5-17	

NB—0120

592-25 1922

CALIFORNIA: RECORD OF WORK:

Number.	Date.	From or To—	Subject.	
604797	1;1;22	CO MEIVILLE	Quarter ending Dec 31st.Y	
604745	1;1	CO VESTAL	Quarter ending Dec 31st.Y	
606654	1;1	CO MELVILLE	Quarter ending Dec 31st.Y	
612556	3/2	MI	12/9/20 to 8/20/21. Y	
613426	3/2 3/10	MI Aviation	12/9/20 to 8/20/21.Y	
619625	4/1	CO	Quarter endign 3/31 Y	
632091	7/1	CO	Quarter ending 6/30 Y	

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CALIFORNIA RECORD OF WORK 1922

Number.	Date.	From or To—	Subject.	
646773	10/25	CO	Quarterly report of work. Y	

592-27

CALIFORNIA: SURVEYS 1921 1

Number.	Date.	From or To—		Subject.	
590553	10/7	Comdt	1-C&R	Heating unit Y CANCELLED.	
625272	5/9 5/18	CO Pac Fleet	26-22	Vacum tubes Y X to 6	
635479	7/26	Pug Snd	3/23	Thermometers- Y	
651199	11/17		14/23	Telephones Y	
653164	5/2		28/22	Mirror Y	

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592-27

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CALIFORNIA SURVEYS 1922

Number.	Date.	From or To—	Subject.	
653163	no date	6	Transmitter Y	
653165	11/17	14/23	Telephones Y	

4—3381

[OVER.]

CALIFORNIA CHANGED TO NEW MEXICO
(OLD)

1916

Number.	Date.	From or To—	Subject.	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

CHARLESTON: MOVEMENTS.

1913

Number.	Date.	From or To—	Subject.
91969	3-5 3-7	Dept Justice Dept 26266-116-1	Reqt. permission to examine progress work reports on file in office of Inspr.Machy. N Fwd NN for compliance.3/10. RB 3-13 Ret---3/14.
94234	4/5	To NN	Progress on machinery; fwds statement showing monthly percentages, and requests certificate as to correctness.N NN returns certificate.4-7

1915

168255	9-9	CO	Reqt recording indicated HP, draft of vessel,etc. M To--quotes data 10/16

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

N.S.E. Form 134. 153 - 3

CHARLESTON: ELEC: TRIC: PLANT.

Number.	Date.	From or To—	Subject.
232904	6/4	CO	Request alterations radio fire control voice tube alarm gongs and a motor generating firing set for six inch battery L Fwd NY--Gives action.6/13 R B 6/23 Y
365492	11-1	NY	Charleston - gives list of job orders covering alterations L
518317	9;21	Pug Sd	Request remove and replace wiring in way of deck repairs.L To Pug Snd authy granted 10-9

NB—0120 [OVER.]

CHARLESTON: ELEC.TRIC. PLANT.

Number.	Date.	From or To—	Subject.
38871	5/10	Pug.Sd 1692	Elec. work in connection with installation of coaling truck.L Fwd Dept via C&R. Rec appr.5/16.RB 6-2 a'ppd To -- Apprd.5/29.
			1912
68901	5-11	Pug.Sd 2763	Reqt. elec. plans. L Fwd NN. for compliance.5/25. RB 5-31
82402	11/12	C&R 27892-E.9	Necessary electric work in connection with installation of potato peeler.L To Pug.Sd.work appd.11/14. C&R reqt.return.12-12 To Pug.Sd.work appd.12/14. Ret C&R.12/14.
			1916 1913
191317	3-4 6-16	CO Dept	Submits recommendations re changes in fire control, searchlights, control, radio.L Fwd Dept-- 6/27
			1917
230791	5/28	CO T Copy	Request changes in fire control and signalling searchlights in ~~while~~ lieu of semaphores while at Phila Yd.L Fwd Dept via Ord--5/30

CHARLESTON: INT COM SYS:

Number.	Date.	From or To—	Subject.	
520560	9;27	Pug Sd	Request instructions relative to fire control work on ~~xxxxx~~CHARLESTON SEATTLE CHARLOTTE and MISSOULA.L To-- Pug Snd- 10-5	
527073	11;3	Pug Sd copy	Request authority to alter salvo system buzzers to conform to grouping of guns similiar to that authorized for SEATTLE.L To Pug Snd (T) authd 11-5 To Pug Snd authorizes 11-9 cc Ordn- CO- Squad 2 Pac Fleet 11-9 Pug Sd-salvo sys regrouping of guns-fwds pri nts 2;26	
528564	11;10	Ord	Instrns in connection with grouping of 6 inch and 3 inch batteries.L	
565474	5;17	Pac Flt CANCELLED SEE 51509-629	Repairs to shaft revolution indicators.L	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

CHARLESTON: INT COM SYS.

1917

Number.	Date.	From or To—	Subject.
244513	8/10	CO	Fire control system - reports on unsatisfactory condition of L Fwd C&R--8/22
245717	8/1	CO	Alterations to ship service telephone L To--Lists material will appv reqn for.9/1
251582	9/19	CO	Renew cable of steering telegraph - L To Bost--Work auth.10/9
253825	9/17 CO - 11/24 - L Fwd C&R-12-5	CO	Incidental SE work in connection with C&R alterations to voice tubes L Fwd C&R-Recommends that voice tube from fwd bridge be installed to after bridge. 10-13 C&R - & ST LOUIS - copy of instructions to Bost & Pug Snd - 11/14
255393	10/18	Bost T	Ship's service telephone worn out; recommends be replaced by Western Elec ~~bye~~ phones.L To Dept - 10/22 RB 10/23 To Dept-10-22 Phone Boston- 10-22 To Boston (T)- Installation auth. 10-23

N.S.E. Form 134.

CHARLESTON: INT. COM. SYS. 153 - 4

Number.	Date.	From or To—	Subject.	
257335	10/22	Bost	Confirms telephone conversation relative to ships service telephone - L	
263843	11-24	CO	Install voice tubes between forward and after bridge. L	
372890	11/26	Ports	Alterations to general alarm gong system - L To Ports, disapproves above, 12-1	
373593	12;1	Ports	Tel ask if vickers system in training only will be installed on 32 guns. L To Ports(T), will not be installed, 12-2	
379866	12;21	Ports. & CO	Submits estimate covering electrical work incidental to change in location of guns L To- Estimate appvd and work authorized. 12-24	
384855	1-18	Fwd Ordnance	Broadside Director System. for Comment. L R B 1.25.19 To CO- Completion of broadside director system should not interfere with movements of the vessel. L1-30 Copy to Cr and Trans Force.	

4—3381

[OVER.]

CHARLESTON: INT COM SYS.

1917

Number.	Date.	From or To—	Subject.
217427	3-8	C&R	Copy of shipment order for voice tube for fire control.L Pug Sd fire control installation: duplicate via C&R 4/7
204327	3/13	To Pug Sd	Reqt ests for regrouping salvo signals on 647
226427	5/4	NY	~~Salvo system - request shipping instructions~~ L To S&A--Reqt shipt of salvo material from NY to. 5/10
232627	6/6	CO	Alterations to fire control voice tubing and salvo system L To C&R--Recommendations.6/11 R B 8/3
233156	6/11	NY R	Request vandykes in connection with fire control.L To--Fwds Vandykes.6/13 NY - ~~request additional~~ prints 6/30 L
233796	6/14	C&R	~~Fire control voice tubes~~ L

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N.S.E. Form 134.

CHARLESTON: INT COM SYS.

Number.	Date.	From or To—	Subject.	
234892	6/6	CO	Alterations to fire control voice tubeing	
	6/19	NY	and salvo system L Fwd C&R--6/28	
240116	7/23	CO	Alterations - install voice tube as per sketch L Fwd C&R--7/25 R B 8/3	
240464	7/24	CO	Reports on status of standardization of fire control system L Fwd C&R--7/31 R B 8/7	
243568	8-10	CO	Reports on fire control system.L	
244371	8/17	C&R Copy	Authorizes work L	

NB—0120

[OVER.]

CHARLESTON: INT. COM. SYSTEM. 1912

Number.	Date.	From or To—		Subject.
60035	1/31	To Puget Sd.		& MILWAUKEE: Asks if work has started on changing fire control circuits; and progress made in removing old circuits.L
60145	2/1	Pug.Sd.	T	& MILWAUKEE; gives status of fire control work.L (T)to---Auth.overhaul on MILWAUKEE canceled. Other instructions.2/2. Fwd Dept. reqst appr.2/2. RB 2.7 Send
66898	4-16 4-22	Pug.Sd C&R	2167 17684-E.26	Fire control;reports on status of work; work authorized and work proposed together with estimates.Y To C&R. 4/26. BLRB 4-29 Ret C&R.5/1.
67683	4-26	Pug.Sf	2427	6 and 3" gun firing and sight lighting circuits; estimates.L Duplicates; 5-6 To---Item 3 auth.5/8.
69921	5-24	Pug.Sd	3118	Fire control system; asks ~~if~~ when Bu.desires work completed.L To---Instructions.6/1.
84199	11-23 11-29	CO Pug.Sd	7087	Fire control system; reports non delivery of buzzers and keys; are in store and will deliver if same are added to allowance.L Ret Pug.Sd.via S&A.additions.12/9.
84574	12-2	Pug.Sd	2085	Fire control; fwds prints showing system installed.L

N.S.E. Form 134.

CHARLESTON: INT.COM.SYS. 153-4 1913

Number.	Date.	From or To—		Subject.	
87832	1-7 1-11	CO Pug.Sd	7887	Reqt. installation of semiphores.L Fwd Dept.No change in installation rec.1/21 RB 1-26 To Pug.Sd.disappd.1/27.	
90514	1/27	C.O.		New main engine teltale, etc	153--8
91076	1/11 2/15	CO C&R	13298-#.158	Relocation of semaphores.L To Pug.Sd.appd.2/27. Fwd C&R 2/27	
96125	4/30	Ord.	25384-7	Requests gun firing sircuit be installed; gun firing batteries eliminated.L To---suggests individual gun firing storage batteries be furnished vessel.5/7.	
104352	8-20	CO		Helm angle indicators; re t. alterations inL Fwd Pac.Flt. 9/3	
113217	12-15	CO		Change markings dials eng room telegraphs.L Fwd Pug.Sd.appd.12/24 RB 1 7	
				1914	
137741	CO 1015 10-23	CO C&R	27892-E.33	Change voice tubes.L Fwd C&R-- Comments on. 10/27 rb12 Fwd C&R-- 12/2 rb26 Fwd C&R--2/5 :030 1915 Fwd C&R-- Recommendations. 3/11	
159489	6-26 7-1	Pug.Sd Ord		Elec work in connection wity Chase hoop locking rings 6" guns. L Fwd Dept--Rec appvl. 7/2	
				1917	
204327	2/14	Fwd C&R		~~Rec re voice tube material for.~~	647

NB—0120 [OVER.]

153-5 4

CHARLESTON: LIGHT AND POWER:

Number.	Date.	From or To—	Subject.	
531492	11;27	Pug Sd T	Request authority to install truck and screened speed light on.L To Puget Sd Tel 11/30 To Operns disappvd 12-2 Dept-approves-12;7	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

153-6
CHARLESTON: RADIO PLANT.

Number.	Date.	From or To—	Subject.
537038	12;27	Pac Des T	Request authority to transfer from BROOKLYN to CHASN radio apparatus listed.W To Pac Des- (T) apprvd 12-29
523715	10/19	To CO (T)	Dismantle intrafleet transmitter for shipt 142-6 to Pug Snd for instln on CHARLESTON ask type receiver eqpt used with interfleet transmitter W To S&A Rqst shipmt of transmitter from CO to CHARLESTON 487b 10-20
548379	3-1	To CO	Form N Eng 25-B 1921- Reqsted W
647612	10/31	To S&A 1399	Reqst shipment of equipment from Washn to SO Pug Snd W

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Number.	Date.	From or To—	Subject.	

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1917

3

CHARLESTON: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
233053	6/5	Phila	Search lights - confirmation of telephone conversation 6/5 L	
300171	4-22	Charleston Copy	Requests additional information in connection with dynamo engine. L To(T)-CO(T)-Bu will order material listed delvered to NY. 4-23 To GE-(T)-Wire time and price delivery express NY parts 100-kw cross compound generator engine. GE plan E-235 finished governor casting and strings two each plan E-225 high pressure eccentric straps. 4-24 GE (T) Submits quotation covering governors and high pressure accentric straps.-L 5/1 ToChasn- Fwds copy of reqn 860. 5-2	
400157	2;18	CO	Req. additional elec. light D To- Reqt appvd. 3-10 copy to CR & TR Force and I.E. New York.	
CHASN 140	4-3	To S&A	Asks searchlight removed from CUSHING repaired and issued to CHASN L-R	
SE 140-19	4-24	Fwd S&A	Reqst approved 4-8th. R	

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N.S.E. Form 134.

153 - 5 CHARLESTON: LIGHT & POWER 1919

Number.	Date.	From or To—	Subject.
419567	5-18 5-14	Chastn New York	Requ 30" high power lamps be held at yd for time being. To S.O. Ny- Lists parts of searchlights to be shipped to Boston. copy to S.O. Boston and CO. 5-20
432980	7;15	JAG	Report of Bd Investigation to inquire into damage to dynamo generator engine No/2 on board.Y Dept 7-17 Fwds JAG's report covg damage of dynamo generator #2. Y Fwd Operations. 7-12 Fwd Navgn. 7-21
521940	10;4	Pug Sd CO	Requests overhaul all power circuits in coal bunkers.L To Pug Snd authy granted cc CO 10-13
522364	10;11	CO Pug Snd T	Request authority for yard to convert six low-power GE searchlights to Arma high power.L To CO (T) appvd 10-12 L.
525662	10;22	Pug Sd	CO requests replace temporary lighting in storeroom- submits estimate.L To Pug Snd appvd cc CO 11-5
527249	10;29	Pug Sd	CO requests complete installation of motor generator main firing system-submits est.L To Pug Snd authorizes 11-10

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[OVER.]

CHARLESTON: LIGHT & POWER.

Number.	Date.	From or To—	Subject.
			1913
97032	5-6	CO	Install extra lights in GSK storerooms. L Ret---via Pac.Res.Flt.approved.5/13. RB 6-30
103805	8-11	CO	Dynamo engine; fit packing to valve stems.L Fwd Pug. Sd. for action 9/2
103805	9/2		
			1915
173357	12-8	To CO.	Mazda lamps; suggestions as to style to be used. L
195855	8-10	To Pug Sd Via CO.	Generating sets; raise all 100 K.W. dynamoes so that they will not carry over oil; submit estimate for work. L CO impossible to raise with distance pieces 8-23
			1916
197425	8-5 8-18	CO At Sub	Fwds sketches and reports on different methods tried out for charging batteries with present elec plans; request instructkons.L To--Instructions. 9/1
198341	9-7	Fwd C&R.	Alteration to dynamo room; recommendations.9/7 To CO-- 9/7

N.S.E. Form 134.

CHARLESTON: LIGHT & POWER. 153-5

Number.	Date.	From or To—	Subject.
201713	9-23 10-6	CO At Sub	Modification of generators for charing submarinebatteries. L To GE--Reqt information on changes in 100 K.W.Gen.Sets, in order to operate in a series for charging sub storage b batteries. 10/11 GE necessary to install motor generator booster in order to get required voltage for battery charges 10-24 To CO--Directs tests be made with 100 KW sets and report be furnished. 10/30 Chasn reports on test made 11/24 To CO--Comments on. 12/12 CO fwds sketch; makes recommendations for arrangement of generators 1/15 To--Sketh not entirely satis. Comments. 1/30 CO (R) charging panel; cannot be installed; as per plan; comments 2-27 To CO--(T) Appvs install as specified. 2/28
		1917	
230346	5/9	CO	Request early delivery of signalling search lights L To S&A--Reqt shipt of signaling searchlight from NY to Phila for. 5/29
231832	6/4	CO R	Request transfer of 2 signal search lights from some other ship L

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[OVER.]

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CHARLESTON LIGHT & POWER SYSTEMS:

FILE No.		From or To— (Dated)	Subject.	
29030	1/13	Dept	& ST LOUIS: illuminating sets: no longer supp'd	383--5
50839	10/7	Pug.Sd.	ST. LOUIS: MILWAUKEE: illuminating set; Bureau directed omission; allowance list called for; reqt instructions.	383--5
			1912	
61893	2/14	Pug Sd	Estimate for lights in Battle dressing stations,	153--8
85306	12-5 12-12	CO Pug.Sd	Repair armature No.4 blower. L	
			1913	
86374	12-24	CO	Gen set; reqt. renewal of brush holders and relief valve. D	
88689	1/22	Pug. Sd	Parts for gen. sets, reqt.	153--8
89566	12/2	C.O.	CHARLESTON: repair charging panels for batteries	153--8
91596	2-27	Pug.Sd	Battery charging panel; asks source of supply. L To---Will order one on reqn.3/7. To---Reqn cancelled; request correct form N.S.E.31, "Elec.Plant Data".3/20.	
93851	3/10	C.O.	Raise cylinders-gen. sets, etc	153--8

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N.S.E. Form 134.

CHARLESTON: RADIO PLANT.

Number.	Date.	From or To—	Subject.
424012	5-20 6-5	CO Atlantic Cruiser	Rqst install connections of copper tubing as listed; renew arc controller from bulk-head, etc. W o I.M. Ny- Reqts inspect and overhaul the arc set when vessel is next available. 6-11 copy to CO and Comdr CR & TR Force. 6-11 o I.M. Ny- Reqts install radio phone on permanently. 6-12 copy to CO. RB 7/10
424244	5;27	CO	permanently install radio telephone set and charging panel for same. W o CO- Req't appvd. copy to Comsr CR & TR Force and I.M. Ny. 6-12 o Comdt Phila- Dists materail auth to be drawn from stock. 7-15
472347	1-29	To CO CANCELLED SEE 153-7	Hydrophone apparatus on. Advise disposition made of deel type oscillator. W
499502 C&R-copy of action to Pug Sd-10;27	6;14	Pac Des T	Request authority to draw radio apparatus listed from store for vessel has been assigned for duty as flag ship. W To Operns Reqst detld inform CC Des Squd Pac. 6-15 Dept-6;19-W To Pug Snd (T) disappvd 6-23. Pug Sd-T-amplifiers not available-6;25-W To S&A. Reqst shipmt of apparatus from Phila to CO 3506 7-6. RB 11/23 W Pug Sd-submits estimate with prints covering installation of inter fleet transmitter-and telephone-7;15-W S&A-copy of action to FSB -9;27-W Pug Sd-10;9-W To Pug Snd via C&R. disappvd cc Des Flo- C-I-C Pac Fleet- CC. 10-20 Fwd C&R. 10-20 RB-10;28

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CHARLESTON: RADIO PLANT 1920

Number.	Date.	From or To—	Subject.	
505012	7-14	To S&A	Reqst shipmt of apparatus from Washn to CO 3679 W Pug Sd-reqt copy of reference-9;9-W	RB-12;8
Pug Sd-12;27-W To Pug Snd authd		cc CO 1/5/21	To Pug Snd Fwds cc of shipmt order 7/14/20	9-17
510476	8;3	Pug Sd	Chasn main radio room-plans and estimates-fwds.W To-- Comments on 8/20 C&R-copy of instrns to Pug Sd-8;27-W Pug Sd-T-require $2050.K-8;31 To Pug Snd addnl allotment auth 9-2 Pug Sd-asks if uni-wave signal system to be installed.9;15-W (T) To Pug Snd appvd - CC CO 9-28	
515954	10/21	To Puget Sd T	radio material shipt Sept 7th blading 13672 via VULCAN to Puget Sd by FSB. W	919
523724	10-22	Tp S&A	Reqst shipmt of app from Washn to CO 4872 W.	
528217	11;8	Pug Sd T	Ask if entering in insulators for main antenna are to be sent in metal or in bakalite slab. To Pug Snd (T) Instl main antenna insulator in bakelite slab similar Div 11-9	
529466	11;15	Pac Des T	Request pug Sd be directed to install radio telephone in main radio room.W To Pac Fleet (T) Gives detld inform 11-17 Pac Des-T-request instrns-11;18-W To Pug Snd (T) Gives instrns cc Aquad 4- CO 11-20 To Pac Fleet instrns appvd 11-20 Pug Sd-recommendations-11;24-T	
To Pug Snd (T) appvd cc Pac fleet To 11-20 To Pac Fleet (T) Gives report from yd re instln of tel cc Pug Snd- CO 11-26 Pac Des-T-request instruct pug Sd install telephone in main radio room-11;25-W				

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CHARLESTON: RADIO PLANT. 1917

Number.	Date.	From or To—	Subject.	
252435	9/24	CO	Install auxiliary antenna L To Bost- Appves alteration and they may be undertaken in advance of estimate. 10-4	
255192	10-17	To Dept	Installation of radio apparatus on. Auth reqted. W RB 10/23	
257946	11/1	CO R	Chasn reqt authority to change Lyden condensers with Dubilier mica condensers.W To Boston- Quotes deppatch from CO. 11-2 Bost - 11/12 W To- Change present install disappvd. 11-19	
264515	11/3 11/22	Panama Canal S&A	Fwds bills for wireless aerial - K Fwd S&A-12-4	
279739	2-8	To S&A	Reqt shipt 2 20-kw 125 volt radio trnasmitting sets from Washington to Boston. W To Boston- Auth installation of above transmitting set at such time as will not delay sailing. 2-9 To- Amends above shipt reqt. 2-12	
347240	9-16	To Boston	Radio installation authorized W	

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N.S.E. Form 134.
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CHARLESTON: RADIO PLANT 1918

Number.	Date.	From or To—	Subject.	
347334	9/13	Shipping order	Received back 7th	
378992	12:19	Ports	Tel. CO req. installation of radio tel ephone req. auth. be granted W To (T)-Installation of radio phones auth.	12-20
384748	1-16	To S&A	Reqt shipt of radio apparatus from Wash to Co. medium wave receiver. W	
387165	1:15 1:18	Ports NY	Rqst. desc. of radio set and telephone set for W To CO- Lists instruction books fwds.	3-11
422167	5:30	Div #1 Pac Flt	Copy - ship finished radio compass test proceedng to New Yk.	

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CHARLESTON: RADIO PLANT.

Number.	Date.	From or To—	Subject.
216389	2-25	Pug Sd	5 kw set; est and plans.W To CO--Appvs install of, also est. 3/7
214372	CARD	1	Fwd C&R--Install of radio set satis. 3/6 Fwd C&R--3/6 RB 3-10 To S&A--Reqt shipt of one 2 K.W. radio trans set from CHASN to M.Is. 3/8
217040	3-7	C&R	Copy of instructions for new radio house.W
219815	3/27 P Snd -	CO R fwds print 8/16 W	Report shortages in set.W To M.Is.--Reqt gap be shipt direct to.3/29 To S&A--Reqt shipt of battery charging panel from Pug Sd to. 3/29 To Pug Sd--Ask when shipt of charging panel is made. 3/29 To--(T) Bu has auth shipt apparatus. 3/29 To CO--Instrns. 4/17 M Is shipped April 14th 4/23 To Pug Sd--Ask when ests reqted will be fwded.6/25 P Snd - estimate 7/6 W To Pug Sd--Appvs est.7/13
220255	4/2 Fwd S&A--5/17 To CO--Ask whether receiving set AB#50 is on board.5/17 CO - 6/2 W	To S&A	Reqt shipt of radio receiving set from M.Is. to. W M Is (R) receiving set shipped via NEREUS Nov 24 4/4 Fwd S&A--4/7 RB 4-14 S&A - request reply 5/15 W
225085	4/27	CO R	Request 4 Exide filaments for ultra audion receivers.W To S&A--Reqt shipt of four oxide filament bulbs From Wash to. 4/28

N.S.E. Form 134.

CHARLESTON: RADIO PLANT. 153 ~~p~~ 6

Number.	Date.	From or To—	Subject.	
225142	4/16	CO	Request ventilating blower for radio set. W To M.Is.--Reqt expedite shipt. (T) 5/5 M Is - (R) - Lowenstein gap shipped via Nerens 5/9 W To Chasn--Reqt add'l infor as to use for blower reqted. 5/12 CO - 6/2 W	
233307	6/13	Chasn Copy	Request authority to purchase small receiving set W To CO--Ask necessity for third receiver. 6/13 CO 7/23 W	
233476	6/13	CO	Request authority to purchase small receiving set W	
245778	8/3	CO	Request be furnished with an arc receiver W To S&A--Reqt shipt of apparatus from Wash to. 8/30	
247413	9/6	To S&A	Reqt shipt of auxiliary trans from NY to. W	
249366	9/11	Pudget Sd	Charging panel was completed and shipped 8/24W	

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CHARLESTON: RADIO PLANT:

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1912

Number.	Date.	From or To—	Subject.	
78206	9-12	Pug.Sd 5448	Estimate for installing.W. Fwd Dept. via C&R. recom appl 9/18 RB9/27 a'ppd To P. Sd. approved 9/27	
			1913	
86646	12-31	CO	Description;fwds. W	
96120	4-30	TO Pug.Sd	& MILWAUKEE: radio installation approved. W	
			1916	
~~3/14~~				
181575	3/14	T S&A	Reqt shipment from M Is to Pug Sd 5 kw Navy type radio set for	876
185906	4-21	Pac Flt	& ST LOUIS; recommends be fitted up with deck radio apparaus.W Fwd Dept--5/16 RB 5/25 Fwd Dept-- 5/26	
187515	5/5	Pac R es Flt	New radio installation required	153-8
188601	5/15	Pug Sd	Radio apparatus; fwds plans and estimate	383-6
190083	6/1	Sub Sig Co	Reports shipment of set for to Colon without inspection	711-3
191317	3/4	CO	Submits recommendations rechanges in fire control, searchlights, control, radio	153-3

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N.S.E. Form 134.

CHARLESTON: RADIO PLANT. L153-6

Number.	Date.	From or To—	Subject.	
192425	7-4	CO R	Asks date of delivery new radio set. W	
	To--(R)Quotes letter 7/5. 7/19		To--Will be completed at M.Is about Sept. 1/ 7/5	
			CO (R) request action 7/18	
9857	VOID			
202485	10/16	To CO	Reqt audion detector and one step amplifier be shipped to M.Is. for disposition. W	
			To S&A--Reqt shipment of audion detector and amplifier to M.Is. 10/16	
			To S&A--Reqt shipt Pierce wavemeter to M.Is. for CHARLESTON. 10/16	
			CO no record 10-27	
207739	12-7	M.Is R	Radio set shipped via NEREUS; asks if should be returned to Pug Sd.W	
	12-7	S&A	To Pug Sd--Fwds Corres for guidance.	12/14
			Fwd S&A--12/14 RB 1-31	
			To CO--Instrns. 12/15	
			Fwd Darien--For comment. 2/1 RB 2-23	
210113	12-18	CO	Request plans and wring diagrams for installing radio set now on board.W	
			To--Letter fwded to Pug Sd for action. 1/5	
			Fwd Pug Sd via C&R--1/5	
214372	2-10	CO	New high powered set; is at yard with orders to hold up installation; request be installed at once; present set useless.W	
	CO (T) request approximate idea of supposed installation new radio set in order that ship's force may begin work 3/4		Fwd Dept--2/15 RB 2-19	
			Fwd Dept via C&R work urgent prepared to auth work to be done by Panama Canal Co 2/20 RB 3-1	
	To CO--(T)Instrns re install.3/3			

1917

CARD 2

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[over]

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CHARLESTON: SUBMARINE SIGNAL OUTFIT 1920 2

Number.	Date.	From or To—	Subject.	
472347	1/29	To Co	Hydrophone apparatus on. Advise disposition made of deel type oscillator. W CO-2;10	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

N.S.E. Form 134.

153 -- 7 CHARLESTON: SUBMARINE SIGNAL OUTFIT.

Number.	Date.	From or To—	Subject.	
201081	10-4	To CO.	Voucher covering services for installation of submarine signal appraturs; fwds for certification. K Chasn fwds certified voucher 10-16	
233567	6/12	Sub. Signal Co	771-1 & RHEIN - fwds report of inspection of of submarine signal set L To CO--Reqt report on.6/19 R B 7/30 To Rhein--Reqt report on.6/19 RB 7-7 Fwd Wash--7/12	
To Wash--Fwds bill of for payment. 7/14 Fwd Wash--8/2				
237100	7-6	Sub Sig Co T	Five sets of oscillators for CHARLESTON and one set for K-6; reqt Inspr Mass be insturcted to issue government bill of lading.	711-3
30255	10/8	ditto	Reports shipment of apparatus for GEORGIA NEBRASKA CHARLESTON MINNESOTA & N HAMPSHIRE	629
277796	1-27	CO	Fwds inspection L. Fwd Washington D. C. Yard 2-4	
384853	1;11;19	Ports	Report on installation of keel type oscillator recommends be overhauled 1st time when vesel is available for docking L	

1917

1919

1918

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[OVER.]

CHARLESTON: SUBMARINE SIGNAL OUTFIT

1916

Number.	Date.	From or To—	Subject.
			& MILWAUKEE
185524	4-22	TO Submarine Sig Co R	Asks if can furnish set for. Y Sub Sig Co (T) have one in stock San Fran. asks if shall deliver 4-22 To Dept--Rec installation of sub sig sit on CHARLESTON. 4/24 RB Can Zone named 4/29 To--(T) Bu has appyd reqn for purchase of set for MILWAUKEE. 4/24 Sub Sig Co. can supply if order received by Apt 27. 4-27 To--(T)--sks if representative make installation on CHARLESTON. 4/26 To CO--Cancal Zone will furnish cable for installation of set. 4/27
188527	5-20	CHARLESTON C	Reqt shipment of wire and stuffing tubes.L To S&A--Reqt shipment of material from NY. 5/23 NY 5-25 Chasn C&R shipment Made 25th 5-27
191639	6-10	CO	Request sending apparatus. L Ref. Dept. disappyd. unless vessel detailed as tender for long period 6-26 RB will probably remain on present duty until completion of permanent shore base and possibly longer; desires installation; could be transferred to another vessel if Charles CHARLESTON were detached to other duty 6/29 To Atl Sub Flo--Bu has prepared reqn for sub bell for; fwds print showing.7/10 To Chas-- Ditto 7/10
197289	8-16	Submarine Sig Co	Submits list of prints.L To--Acknowledges receipt of. 11/4

Number.	Date.	From or To—	Subject.	
622708	3/23 5/10	CO Dept	Submits report on matl readiness Y Fwds Operns via C&R- Ordn 6/12	
633842	6/20 7/20	CO Dept	Subm report on material readiness Y Fwds Operns via C&R Ordn 8/18	
638638	6/20 8/21	Pacf. Destry C&R	Subm report of inspection Y Fwds Operns via S&A Ordn Med & Surgy Navigh 9/13	
645515	9/20 10/14	CO Dept	Subm report on material readiness. Y Fwds Operns via C&R Ordn 10/31	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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CHARLESTON MACHY PLANT. 1920 9

Number.	Date.	From or To—	Subject.
514238		~~SEE CARD 8~~	. Fwd C&R. 9-24 D.
523105	10;8	CO	Submits list of prints missing request be furnished.D ~~To CO via Union Fwds Plan 11-8~~
526970	10;12 11;2	CO Ord	Report on material readiness.Y fwd Operations 11/4.
528317	11;8	Dept	Chasn will relieve BROOKLYN as flagship,Pac Des Force.A
530600	11;15	Pug Sd	Copy of letter to Pac Des in connection with completion of overhaul on.Y
579293	8;4	Dept	Copy of telegram to Pac Flt directing do not send vessel to Pug Sd for overhaul as contemplated.Y
579658	8;8	C&R	Copy of telegram to Pug Sd indefinitely postponing repairs on.Y
579605	8;8	C&R	Copy of letter to Pug Sd cancelling auth for docking of vessel.Y
581261	8;17	Dept	CHARLESTON will be placed in reserve FREDERICK will be placed in commission.Y

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N.S.E. Form 134.

153-8:CHARLESTON:MACHY PLANT: 1921

Number.	Date.	From or To—	Subject.
584744	9;9	Pac Flt copy	Reqt vessel be docked on acct of conditions of bottom.Y
585109	9;12	C&R	Directs routine docking at M IS.Y
585432	8;24	Pac Flt	Matl inspn-fwds report.Y Fwd Operns 9/17
586724	9;21	Pac Flt copy	Vessel made available at M IS Oct 8th for docking.Y
592452	9/27 10/24	CO C&R	Report of material readiness.Y Fwd Operns via Ordn 10/28
608268	12/22 1/31	CO Ordn.	1922 Report on material readiness. Y Fwds Operns 4/6
608053	12/21 2/4	Pacf. Fleet M&S	Submits report of inspection.Y Fwd Operns 2/10
619382	3/24 4/19	Pacf. Fleet C&R	Subm report of inspection. Y F wds Operns via Ordn-S&A Med & Surgy-Navign 4/28

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[OVER.]

N.S.E. Form 134.

CHARLESTON: MACHY. PLANT.

Number.	Date.	From or To—	Subject.	
431867	6-24	Dept	Directs issue instructions to transf all outstanding job orders to Phila.	Y
437638	8;4	Ports	Copy of letter to Supply Officer requesting patterns listed be shipped to Pug Sd for.	Y
439873	no date	Bd I&S	Report of material inspection held July 11.	Y
443280	8;28	Pug Sd	Report of Board of Estimates. Y Fwd Operations. 9-11 RB-9-18 To Comdt Pug Sd- Recommendation of Bu appvd by Dept. Fwds correspondence. 9-19 copy to CO.	
444295	8/29 9/6	P Snd C&R	Report of Bd of Estimate - Y Fwd Dept via Ordnance and Operations. 9-10 Operations - copy of action on C&R's estimates - 9/19 - Y	
445156	8/29 9/5	P Snd Dept	All reports of Bd of Estimates fwd - Y Fwd Operations via Ordnance. 9-13	
448240	9;29	C&R	Copy of letter to Pug Sd giving instrns for work incident to material inspection.	Y

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[OVER.]

Number.	Date.	From or To—	Subject.	
454014	10-24	Boston	Copy of letter to Puget Sound fwdg patterns. Y	
507275	7;16	CO	Request install radio outfit-new 36 inch searchlights-blinker on main yard arm,etc. L&W	
		CO-Reply was made July 31st-9;14-L Pug Sd-9;25-W To S&A Reqst shipt of searchlight from Phila to Pug Snd 4892 10-7 RB 1/17/21	To CO Reqst detld inform 7-31. To Puget Sd/ action taken 8-6	
508135	7;23	Pug Sd	Will take until November 30th to complete overhaul.Y	
509160	8;2	Dept	Copy of letter to Pug Sd directing arrange for priority work on board Chasn.A	
511237	8/20	Fwd C&R	Recommends alterations for appvl LY	
514238	6;13 8;28	Pac Flt C&R card 9	Conversion into flagship for destroyer squadron.D	
		To Pug Snd when auth alt comp pla s or sketches will be submitted CC C-1-C Pac-	Fwd Dept 9-9 RB-9;15-D Des Force- CO 9-17 Fwd Operns 9-20 RB-9;23	
514620	8;30	~~Fwd~~ Des Squad Pac Flt	Alterations-requests must be made to fit vessel as flagship.A	

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CHARLESTON: MACHY PLANT. ~~DUPLICATE~~ 1918

Number.	Date.	From or To—	Subject.
368514	11/13	Naval Censor	Asks if Bu. has any objections to publication of an article by Lt Com. Heim on experiences as Engineer on the USS CHARLESTON.
369448	11-16	Dept.	Jan 13 set for date of completion of authorized work on Y
371521	11;21	Ports	Req. complet set of engineering plans be furnished D
Pug. Sd. 12;10	vandykes are being fwded Ports To Ports. Fwds. vandyke prints of machy.plans . 12-17(2 letters)		To Wash, Reqts vandyke pland for Elect plant, 11-27 To Ports. Reqst. for Eng. Plans 12-30
372232	11-26	To Norf	Fwds at once to bureau all machinery tracings, Do ToqPeSd., Reqted to fwd at once all machinery tracings to bureau, 11-25 Norf. no tracing of machiner plans on file 12;4 D Pug Sd. fwds tracing 12;12
414559	4;28	CO	Report on condition Y

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N.S.E. Form 134.

CHARLESTON: MACHY PLANT

Number.	Date.	From or To—	Subject.	
415597	4;26 5;2	CO C&R	Readiness for war service Y Fwd Operations via Ordnance. 5-3	
427838	6;23	Dept	Instr. in connection with holding rptl insp Y To Bun Survey & Estimates. Fwds correspondence. 7-3 Bd I&S - returns correspondence - 11/3	
429186	6;28	Dept	Copy if tel. Cruiser Force dir. Chas proceed to Phila. for repairs and removal of transport etc A	
429239	6;28	Dept	Vessel assigned as Flag Ship Div #2 Cruiser Squadron #2 Pac Flt A	
~~428935~~	~~7/3~~	~~Phila T~~	~~Van dykes not yet recd - Y~~	
429420	7-2	To CO	Release from Troop transport Duty - Directs removal of all Special SE Material except extra lights and turn into store. Yo CO-9;15	

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[OVER.]

CHARLESTON: MACHY PLANT.

Number.	Date.	From or To—	Subject.
320273	6/5 6/21	CO Atl Cruiser	Recommends vessel be docked in order that bottom may be cleaned and painted - Y
321391	6-29	To Chasn	Fwd vandyke prints of machy plans for file
329349	7-23	Phone Boston,	Urgent and necessary repairs authorized Y
329769	7-23	Dept	Copy of telegram to Bost authorizing urgent repairs on. Y
330248	7-23	Boston	Confirms telephone conversation in connection with repairs to cylinders and pistons of. Y

N.S.E. Form 134

153 - 8 CHARLESTON: MACHY PLANT 1918

Number.	Date.	From or To—	Subject.
330628	7-23	Boston	& MAUMEE confirms telephone conversation relative to repairs. Y
335168	8-9	To NY	Rqst that outstanding job orders be transferred to Boston, Y
347240	9-11	Dept.	Available for docking and repairs, A. To NY, Re transfer of job orders to Boston, 9-12
363662	10-29	Dept	ship will be available at Ports about Nov 10 for docking and repairs, A To Boston, re transfer job orders to Ports 11-1
368265	11/8	CO	List of work done by ship's force - Y
368514	11-15	Fwd Dept	considers re abbve, A To Lt. Wales. Has no objection to pub. 12-14
369770	11-18	To Boston	Re above should be transferred, Y
370392	11-21	To NY	Reqts urgent repairs, Y

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[OVER.]

1917

CHARLESTON: MACHY PLANT

Number.	Date.	From or To—	Subject.	
235853	6/28	To Pug Sd	Instructions re outstanding job orders. LWY	
239800	7/21	Dept Copy	Authorize disabling of engines and necessary repairs until July 26th Y	
241938	7/1 7/23	CO Dept	Reports on readiness for war service Y Fwd Dept via Ord S&A M&S—8/4	
244152	7/18	Panama Canal	&CHARLESTON fwds bills for Supplies and surveys.	322-8
246205	8/29	To Phila	Directs transfer job orders to Bost. Directs retain propeller shafts at NY. Y	
249580	8/30	Panama Canal	Fwds bills for supplies and services.K Fwd S&A- Fwds approved bills.9-18	
250779	9/15	CO	Repairs to piping,valves and whistle.Y	
250777	9/4	CO	Repairs to piping.Y	

N.S.E. Form 134.

CHARLESTON: MACHY PLANT. 153 - 8

Number.	Date.	From or To—	Subject.	
253972	10/9	Dept	Available for overhaul at Bost 30 dats beginning Oct 15th Y	
254813	9-20	CO	Reports on material readiness for war service.Y Fwd Dept via C'R-10-16	
254952	10-13	CO	Submits list of work to be done during overhaul at Bost.Y	
255887	10/20	Bost	Request be furnished with finished plans D To- Lists plans fwded. 2-15	
264480	12-1	Dept	WALKE & PERKINS Notifies CHARLESTON will sent to Yd about 12-12 - Y	471-8
271055	12/19 1/2	Canal Zone S&A	Fwds bills for supplies.Y Fwd S&A-1-4	
273915	10/9 1/3	Panama Canal S&A	Chasn bills for services and supplies - K Fwd S&A- 1-16	
318767	6/19	CO	Request ship be supplied with blue prints of auxiliary machy as listed - D&L To CO, Fwds prints 8-30	
329963	7/23	Charleston	Confirms telephone conversn stating machinery for gunboat 22 would be the same as for 21	22-C-9

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1916

CHARLESTON: MACHY PLANT.

Number.	Date.	From or To—	Subject.
189618	5-22	CO	Alteration operation gear for blower valves, by-pass in main feed lines; install iron pipes inall boiler drums.Y Fwd Dept—Recommendations. 6/6 RB 6/8 To--Gives action on. 6/9 M.Is (T) re cylinder liners 6-15
189319	6-15	SEE CARD #3	To M.Is--(R) Machine finish inner diameter cylinder liners. Y To CO--(R) M.Is will complete manuf July 22nd; where do desire shipment.6/15 To S&A-- Reqt for shipment. 6/15 CO (T) reqt shipment 6-16 Fwd S&A-- 6/17 RB 6/21 To CO--Advise when ready commence work 6/17 CO (R) cylinder liners received; require three weeks to install; also same time installing boat crane; dry dock at Balboa.8/11 Fwd Dept-- 8/11 RB 8/21
196557	8-15	Operations	Available for new cylinder lining and other urgent work after Sept 1.Y
198341	8-23	CO	Dynamo room; alterations in. Y
198985	8-31 9-2	War Dept S&A	Bill for material and repairs.Y Fwd S&A-- Appvs. 9/18
203203	8/21 10/20	War Dept S&A	VOID
203204	10/17 10/20	War Dept S&A	Bills for services and supplies.K Fwd S&A--Bill appvd. 10/24

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N.S.E. Form 134.

CHARLESTON: MACHY PLANT. 153-8

Number.	Date.	From or To—	Subject.
206196	~~11~~ 9-21 11-17	War Dept S&A	Fwds bills for repairs and supplies.K Fwd S&A--Appvs invoice 7722. 11/27
206561	10-30 11-16	War Dept S&A	Panama canl bills.K Fwd S&A--Lists appvd bills. 11/27
209342	12-11 12-15	War Dept S&A	Bills for work done by Panama Canal.K Fwd S&A--Bill appvd. 1/11
210348	12/26	War Dept	Fwds bills for repairs and supplies.K Fwd S&A via M&S--Bill appvd. 1/11
210524	12-2	War Dept	Ditto Fwd S&A--Lists bills appvd. 1/11
215644	2-14	War Dept	Bills for work done on.K Fwd S&A via M&S lists bills approved 2/24
218689	3-3 3-16	War Dept S&A	& C boats; repairs; fwds bills.K Fwd S&A--3/27
219043	3-15 3-20	War Dept S&A	& C Boats; bills for work.K Fwd S&A via Navgn C&R--3/27

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[OVER.]

CHARLESTON: MACHINERY PLANT: ETC. 1915

Number.	Date.	From or To—	Subject.	
151993	4/10	Dept	Or SOUTH DAKOTA; asks suitability for relieving SARATOGA as Flagship, Asiatic Sta	408-8
152240	4-8	Dept	Military inspection. Y Retd Via Ord-S&A-- Noted· 4/16	
153134	4/12 4/23	C&R Dept	& SOUTH DAKOTA; relative to availability to replace SARATOGA; directs in future when work is recommended by Bu., that Dept's. special attention be invited to the fact that such work is necessary for the safety of the vessel and should be undertaken before vessel goes to sea.Y Fwd C&R-- Noted. 4/26	
153310	4-21	Bd I&S	Fwds CO replies to certain questions asked by Board.Y Fwd Dept Via Ord-S&A-- Noted· 4/27	
162008	7/29	Dept	Date of completion fixed Aug. 14th.Y	
163058	8/10	Dept	Extends date of completion to Aug. 19th.Y	
164341	8-26	Dept	& PITTS: directs auth work by expedited.Y	
169344	10/16	Dept	Military inspection; fwds.Y Fwd Dept Via C&R-Ord-S&A - Noted. 10/26	
170158	11-1	Dept	20 working days repairs auth Pug.Sd.Y Retd Via Ord-S&A-- Noted· 11/3	

N.S.E. Form 134.

CHARLESTON: MACHY PLANT. 153-8

Number.	Date.	From or To—	Subject.	
170949	11-11	Dept	Repair limit Nov 27	
173258	11-28 12-3	Pug.Sf Dept	Submits list of items which will not be completed at end of present repair pierod.Y Fwd Dept Via Ord--Noted.12/9 To Pug Sd--Suspend work on installation of new ardois sets' 12/9	
181758	3/8 3/13 3/15	Atl Flt Dept C&R	Special equipment for use as station ship and submarine tender, in Canal Zone.Y&DH Fwd Dept Via Ord-S&A--Recommendations.3/18 RB 4/5 To 1st Sub Div--Fwds copy above end.3/18 Fwd Pug Sd & Pac Res Flt Via C&R-Ord-4/6 1st Div Submits list of special tools on SEVERN that will have to be transferred to to fit as tender, if detailed as relief 4-12 To CO--Have directed transfer of tools.4/26 To 1st Sub Div--Transfer tolls to. 4/26	
186113	4-26	Dept	Detailed as tender for 1st Div At Sub Flo; directs be fitted.Y	
187418	5/9	Dept	SEVERN; relief by CHARLESTON to be towed to Norf by NEREUS	395-8
187515	5-5	Pac ReserveFlt	Requires retubing condensers, and new radio installation.Y Fwd Dept--Comments on. 5/16 To CO--Report condition of main condensers. 5/16	
189319	5-19 To M.Is--Auth manuf cylinders for. 6/6 CO (R) Reqt action. 6/13 To M.Is-(R)Expedite manuf. 6/13	CO SEE CARD #4	Repairs to main engines, gen set, magazine flood piping.Y Fwd C&R-- 6/3 RB 6/7 To--Have directed M.Is to manuf new cylinder liners engines. 6/6	

1916

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CHARLESTON: MACHY PLANT.

1912

Number.	Date.	From or To—		Subject.
79078	9-24	Pug.Sd	5733	Reqt. set of machy plans. D. To---Fwds plans 12/19.
81521	10-19	Pug.Sd	6295	Dock trial; joint report on. Y
85324	12-3	Dept	18579-261	Report of inspection 11-30. Y Fwd S&A.12/18.
				1913
88089	1-7	CO		Reports on readiness for battle.Y
88689	1-8 1-22	CO Pug.Sd	8075	Reqt. 40 gal oil separator, bolt for main shaft and parts for gen sets. Y Fwd Dept. Not rec.1/29. RB 1-31 To Pug.Sd.items 1 and 2 disappd; item 3 appd.2/1.
89566	12-2 1-31	CO Pug.Sd	8291	Repair suction piping, install ash guards, charging panels for batteries.Y To Pug.Sd.Instrns.2/8. Fwd C&R.2/8. RB 2-13
90062	1-30 2-8	CO Dept		Report on readiness for battle.Y To CO via Pac.Res.Flt.New allowance will soon be issued; instrns re oil separator.2/14. Fwd Dept via C&R.comment.2/14.

N.S.E. Form 134.

CHARLESTON: MACHY PLANT: 153---8

Number.	Date.	From or To—		Subject.
90514	1/28 2/11	CO Pug.SD.	8494	New main engine teltale, shafting brackets, and rebabbitt main bearings port main engine.Y
93305	3/15 3/25	CO C&R		Report of new CO. Y Fwd Dept. 3/26
93851	3-10 3225	CO Pug.Sd	9313	Raise cylinders gen sets, alter piping for same, and install new oil splash guards. D To Pug.Sd.appd.4/2. To C&R.reqst instrns be issued.4/5
97882	4-30 5-22	Pug.Sd C&R	9989 27892-E.13	Incidental SE work in connection with re-arrangemant of pay and executive officers" offices. Y To--appd 5/29 Fwd C&R 5/29
101218	7-3	CO		Report of new CO.Y Fwd Dept via Ord and C&R.7/11.
111603	11-26	Pug.Sd	13695	Machy plans; reqt. complete set.D To---index chart referred to should be destroyed; has no connection with plans of this ship.2/6
			1914	
119578	3-2 3-7	Bd I&S Dept		Report of military inspection.Y Fwd Dept via Ord and S&A.3/12.
			1915	
151527	4-1	CO		Reports on care, maintenance, and operating of evaporating plant, pumps, ice machine, etc.Y

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CHARLESTON: MACHINERY PLANT: GENERAL;

FILE No.		From or To— (Dated)	Subject.	
28714	1/9	C&R 20253-E.18	C&R survey; invites attention to work in connection with S.E. work; ash expellers, etc. Ref Dept via Ord. Rec disappr item (m) 1/13. R.B. appd as mod. 2/11. Fwd Puget 2/15.	
29034	12/30	Dept.	Gen. Survey; vessel to be restricted to scout duty in time of war; directs revised est. Ret -- via C&R. Reduction of work not practicable 1/16.	
31589	1/9 2/13	C&R 20253-E.15 Ord	Ordnance survey; S.E. work in connetion with Y Fwd Dept. Recommendations 2/15. R.B. Appd. 3/11. Ret Ord. 3/13.	
38704	5/5	Pug. Sd	MILWAUKEE: permanent battle dressing station: has been disapproved for ST. Louis & Chas.	287--8
			1912	
61842	2-21	C&R 22528-E.21	MILWAUKEE: ST LOUIS: battle dressing station papers re general subject. D-L Fwd Dept via M&S. 2/24. RB 3-21 set Dept by hand RB 3-25 a'ppd Ret---via M&S. 4/1	
61893	2-14 2-21	Pug.Sd 923 C&R 27892-E.2	Estimates for steam connections and lightsin Battle Dressing stations. D.L. Fwd Dept via M&S. Rec S.E. work be deferred. 2/24. RB 3-21 Reqt. action. 3-16. Ret C&R. 3/25. Pug. Sd. reqt. action. 9-20 TO -- auth. 10-2	
74003	7/13 7/22	Pug. Sd. Dept.	August 10th set for date of completion. Y Fwd C&R via Ord. 7/23.	

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Number.	Date.	From or To—	Subject.	
318886	6-8 6-18	CO Atl Cruiser	Request authority to install solid piston ring in main engine when cylinder is rebored. Y&D To Boston, authorizing installation 6-25	
299819	4/18	~~4/18~~ Chasn	Reduction gear-Asks status of	135-Q-5
348478	9-14	CO	Req. copy of plans covering HP Cylinder for main engine D	
357027	10/11	To S&A	Rqst shipg instrn covg propeller shft suitable for ST LOUIS & CHARLESTON from Erie Forge Co 710	
429005	6;27	Cruiser Force	Copy- starboard engine disabled on account of blowing off high pressure cylinder head request new parts be manufactured Y	
428945	6/27	Chasn Copy Dept-fwds JAG's report on damage to starboard high pressure cylinder.7;29 Fwd Navgn. 7-31 Fwd Operations. ~~Zt~~ 7-31	Vessel will be delayed due to blowing out of high pressure cylinder head of starboard engine - AY **JAG - Report of damage to starboard high pressure cylinder - 7/28**	

N.S.E. Form 134.

153 - 9 CHARLESTON: MAIN ENGINES: 1919

Number.	Date.	From or To—	Subject.	
428935	6-30	Phone Comdt Phila	Starboard high pressure cylinder cover, main-hole cover, piston follower. Mfg. of. copy to Operations and Co. Yo	
	Phila 7-16 Rqsts action		To Phila (T)-Rush work on cylinder cover. report earliest possible date completion. copy by mail for operations and CHARLESTON.	7-8
			Phila 7/11 States no rod for cylinder cover will be manfd. Y	
429616	6;28	Phila	Confirms tel. conv. dir, expedite replace broken starboard HP cylinder cover manhole cover and starboard HP piston follower Y	
430694	7/5	NY	Rqst print showing alterations to H.P.piston follower. D.	
531406	11;22	Pug Sd	Submits estimate covering main engine repairs.Y	
			To Pug Snd Submits estimates cc CO 11-29	
			Pug Sd-submits est-12;16	
			To Pug Snd Gives inform cc Co 12-24	

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CHARLESTON: MAIN ENGINES:

1912

Number.	Date.	From or To—	Subject.	
68299	5-4	Pug.Sd 2575	Repair main engine cylinders;estimates.Y	
			1913	
111584	11-3 11-24	CO Pug.Sd 13659	Reqt. main engine cylinders be rebored.Y Fwd Dept.rec disappr.12/2 RB 12 6 To Pug.Sd.disappd.12/6	
			1916	
192372	6-20	CO	Piston rings; request 2 spares be manufactured One for present installation.Y	
197103	8-16 8-17	CO Dept R	Working cylinder linings will be completed Sept 25.Y	
1827	6-26	To Eire Forge Co	Fwds copies of blueprint showing crank shaft under contract for	629
			1917	
251583	9/19	CO	Repairs to H P piston - Y To Bost- Fwds references for action. 9-28	
251584	9/15	CO	Install general alarm contact maker on bridge - Y To Bost & CO--Gives action on.10/10	

N.S.E. Form 134.

CHARLESTON: MAIN ENGINES 153 - 9 1918

Number.	Date.	From or To—	Subject.
287926	3--0	Cruiser Force	Copy CHARLESTON report - breaking of high pressure piston valve. Y
291214	3-19	Norf	Charleston - Port H P valve main engine. Request repairs - confirms telephone. D Y
295224	4/3	Atl Flt	Chasn reports on probable cause of accident to piston valve of main engine - D To- Removal of cast brass valve ring keepers and the substitution of steel keepers auth. Inform of any such replacements which may be made.4-5 USS SOUTH DAKOTA - 4-20. CO HANCOCK 4;30
309666	5-23	CO Copy	Request authority for installation solid ring in high pressure piston valve of main engine. - Y To C O (T) Installation solid ring in high pressure piston valve authorized, 5-24
318525	6/10	CO	Repairs to engines - Y

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CHARLESTON--BOILERS, ETC

Number.	Date.	From or To—	Subject.	
316357	6/11 Void	Charleston	Evaporator below discharge overboard discrepancies in Bureau plans-rqst actual pressure to be used.	21-G-20
283500	8-17	Charleston	Shipment order 8-17 RB 19.	
370748	11;19	Ports	Req vandyke showing ash pans and boiler found ation D To Porst, Fwds Ash pans and Boilwe foundations, 11-25	
377418	12;16 12;12	CO Ports	Req. repair or renew ash pans also repair fire rooms floor plates etc Y To Ports. Approves your action in proceeding with work outlined 12-16	
316357	6/11 Void	Charleston	Evaporator below discharge overboard discrepancies in Bu plans. Rqst actual pressure to be used. D. To--Sea Valves satisfactory 6/21	21-G-20

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N.S.E. Form 134

CHARLESTON: BOILERS ETC

Number.	Date.	From or To—	Subject.
407925	4/2	Boston	Reports received of four boiler heaters. 689-1 Ask if suitable for U.S.S. CHARLESTON R
411063	4;14	Prospective CO	Req. information re orifice method of evaporators as installed be finished D
433950	7;16	CO VOID	Report on pitted boiler tubes-submits with samples.Y
439277	7/25 8/11	CO Bd I&S	Submits report of unfitness of boilers for steaming - recommends renewal - Y Fwd CO 8-15 copy to Bd I&S-
9 526678	10;27	Pug Sd	Submits revised estimates covering boiler work.Y To Pug Snd (T) awork authd 11-3 Pug Sd-fwds samples of tubes with report on-1;12-Y

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[OVER.]

CHARLESTON: BOILERS: ETC. 1916

Number.	Date.	From or To—	Subject.	
203247	10/9	CO	Request instructions relative to retubing boilers.Y	
206606	11-15	CO	Reports on condition of boilers; cannot be subjected to prolonged strain without danger to personnel; part of trouble due to oil carried over from gen sets.Y Fwd Dept--12/8 RB 12-16	
216565	3/3	To CO T	Directs make complete report re condition of boilers of MARS.	279-10
219460	3/21	Norf	Boiler 2044 was condemned not fit for further use and sent to scrap heap; request further instructions for boiler to be shipped CHARLESTON	611-1
255457	10/19	To S&A	Reqt shipt of B&W voilers from Pug Sd to Bost for.Y To- Reqts cancel above shipt order. 11-7	
255487	11-1	To Pug Sd (T)	Why are 21 cross boxes not to be used. If unsuitable will cancel shipt order. Y P Snd - (T) reports on condition of cross boxes - 11/6 Y P Snd - will call survey of material 11/14 - Y	
32464	11-15	Carnegie Steel Co.	Rectangular plates for MARYLAND and CHARLESTON; states will roll with grain running with the length. SG	629

N.S.E. Form 134.

CHARLESTON: BOILERS: ETC. 153 -- 10

Number.	Date.	From or To—	Subject.	
270727	1-2	Chasn T	VOID	
272681	1-11	To S&A	Reqt shipt two evaporators coils from Pug Sd to Boston. Y	
278261	1-19	CO	Repair on boiler tub in boilers #6-7 being warped Y.	
278878	1-19 1-29	CO Atl. Fleet	Repairs on warped boiler tubes. Y.	
32547	2-9	Norf	Tube sheets delivered January 29th at Charleston.	629
283500	2-14	Puget Sd	Cross boxes for R&W boilers- states dimensions given in survey are ~~min~~ exact accordance with those previously used on ship as shown on prints fwd. D To- No prints on file in Eng. Reqts further informati n. 3-4 & CO P Snd - fwds prints - 3/18 - D To S&A- eqt shipt 11 boiler cross boxes from Pug Sd to Boston. 4-17 P Snd - (R) request authority to delay shipment of cross boxes to Bost for Chasn (Ship) 4/28 - Y To Pg Sd, rqst inform re ablve shipmt 8-19	

To S&A- Reqts hold shipt of 4 cross boxes. 4-29
To S&A, Rqst shipment cross boxes from Puget Sound to Boston, 5-27
Shipment order 5/27 R B 8/9
To Boston, Rqst inform re receipt of above 8-12
Boston 8/25
Reports partial receipt - Y
To Boston 8/12 RB 8/16 - Y
Fwd Boston, 8-19 R B 8/28
To Pg Sd, re shipmt of cross boxes, 9-11 R B 9/9

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[OVER.] see Card 4

CHARLESTON: MAIN BOILERS:ETC: 1912

Number.	Date.	From or To—		Subject.
63201	3-5	Pug.Sd	426	Reports on experimental work on cross boxes, manner of welding,etc. Y-D To---Alterations appd.3/16.
63440	3-8	Pug.Sd	1440	Revised estimates for installing evaporator Ex-IRIS. Y Fwd Dept.3/14. R B 3-18 a'pnd
67722	5-2	Pug.Sd	T	Necessary to renew evaporators; reqt. two at Mls. be shipped.Y To ~~E~~--Fwd S&A.requests shipment.5/3. R B 5-20
69726	5-21	Pug.Sd	2937	B&W boilers; supports for front cross boxes; reqt. decision as to manner of fitting. N To---Instructions.5/28.
71512	6-12	Pug.Sd	3457	Evaporators; revised estimates for installing Ex-IRIS. Y
71999	6-19	Pug.Sd	3647	Cwds print showing method proposed for securing back headers of boilers.D. To---appd.7/20.
72896	7-2	Pug.Sd	3924	Fire extinguisher; recommends removal. N Fwd Dept.via C&R.rec removal.7/9 R B 7-15 a'ppd To---appd.7/20.
				1913
87106	12/10 1/4	CO Pug.Sd.	7753	Installing ash guards in fire room.D To Pug.Sd.appd.1/10.

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N.S.E. Form 134.

CHARLESTON: MAIN BOILERS: ETC. 153---10 1913

Number.	Date.	From or To—	Subject.
113420	11/19 12/18	CO Pug.Sd. 14069	Fit new baffles on evaporators.Y To---appd.12/27.
		1914	
119852	3-2	CO	Boiler sheets; reqt return of. N
		1915	
149902 (?)	2-26 3-8	Pug.Sd C&R	Boiler supports,etc. estimate and plans. Y Fwd Dept-- Rec appvl. 3/11 RB3/13 appd Fwd C&R-- Instructions issued. 3/13 To Pug Sd--Authorizes SE work. 3/13
		1916	
191731	6-16	CO	Boilers; reports on condition of. Y To--Fwds sample tubes to Bureau for inspection. 6/20 CO relative greaseextractors 7/11 Chasn fwds sample tubes 8-11 To Chasn proposed change not appd 8/26
	NY reqt instruns re dispo 9-29 To NY--Reqt sample tubes be fwded 10/3 To CO--Not necessary to retube. 10/14		
193127	6-27	CO	Reports on inspection of boiler No 15.Y To--Comments; suggest method to remove scale 7/22 Chasn fwds samples of rust taken from between headers; 8-15 Ref. ept. recomds. 8-29 RB 9/5 To Chas. one boiler at a time 9-5
195063	6/30	CO	Piping; steam drums of boilers; request iron be substituted for brass and copper; fwds sketch.Y To Comments on. 8/8 COShortage in complement makes impossible to do work ships force 8-31 To-- Noted.9/12

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CHARLESTON: MAIN BOILERS: ETC.

FILE No.		From or To— (Dated)		Subject.
37068	4/20	Pug.Sd		Evaporators; reqt. to be informed probable date of arrival of those removed from IRIS. Y To -- M.Is.auth.to furnish dimensions. 4/27 To S&A Reqst shipping instrns.4/28. Also see 37021-633-1 to M.Is.4/27.
37067	4/20	Pug.Sd	1417	Fwds modified plans of ash ejectors. D To -- Not apprd 5/2.
39320	5/16	Pug.Sd	1774	Evaporators; will ship 2, ex-IRIS to M.Is.Y
45804	8/9	Pug.Sd	T	Reports changes made in boilers. Y (T) to B&W.Co. Letter to Inspr.B&W.Directions for making cross boxes.8/10.
45797	8/9	Pug.Sd	T	Asks why changes were madein design of . Y
46094	8/12	Pug.Sd	T	Reqt. regn. for cross boxes be cancelled as part of boxes were found in store and others can be manufactured.Y&R Fwd S&A.If possible, reqst all work on cross boxes be suspended.8/14. R B 9-12 To P.Sd. confirms action 9/12
46670	8/12	Pug.Sd	3203	Front corss boxes for boilers; explains reasons for cancelling order; can supply form YarD.Y To---Auth.granted to weld ends for experiment. 8/21.
				1912
60164	1/25	M.Is	882	Cross boxes for B&W boilers; 3 in store and asks what disposition shall be made. Y To---via S&A.Reqst shipment to Puget Sd.2/3.

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CHARLESTON.....AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
358914	10/17	ToCO CHARLESTON.	Reqst status of motor sailing launch 2429-----Y	611-2
372364	11/26	C&R	CHARLESTON, directs Boston issue 35' motor boat. Y.	611-2
444502	9/8	C&R	Directs Pug. Sd. furn 40' steamer for CHARLESTON. Y.	611-1
447333	9/24	C&R	Authbrize issue of 40' steamer 8005 to CHARLESTON: Y.	611-1
454680	10/28	C&R	Copy letter to Puget Sound authorizing issue 40' steamer 8007 to CHARLESTON: Y.	611-1
470915	1/22	To CHARLESTON	Request number of steamer and boiler on board; Yb	611-1
518557	9/21	C&R	CHARLESTON: Assignment of 40' instead of 36' m.s.ls; directs issue of 35' boat to MELVILLE: Y	611-2
532245	12/1	C&R	Copy of letter to Pac Des in connection with transfer of boats from BROOKN to CHARLESTON. Y	611

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N.S.E. Form 134.

CHARLESTON AUX MACHY 1920

Number.	Date.	From or To—	Subject.	
535629	12/18	C&R	Copy of letter to Pac Dest asking on what auth 33' steamer 1141 was transferred from BROOKLYN to CHARLESTON. Y	611
533945	12/9	C&R	Copy of letter to Pacf Desty asking if 35' motor boat 6568 is needed for CHARLESTON Y	611-12
562330	5/11	To CO CHARLESTON	Discrepancies in records covering power boat machinery Y	611-2
567903	6/4	Pacific Destroyers T	Request approval Engines 35' motor boat for CO BIRMINGHAM. Y	611-12
609787	2/14	C&R	Copy of telegram to Pac Destroyer auth turn over motor boat 4057 to CO CHARLESTON for use of Flag Y	611-2
612757	3/7	C&R	35' motor boat 4057 transferred from BIRMINGHAM to CHARLESTON Y	611-12
627546	6/10	C&R	Copy of letter to Pac Des asking disposition of 35' motor boat 14766; 50' launch 14725 transferred from CRANE to CO CHARLESTON Y	611-2

CHARLESTON: AUXILIARY MACHINERY 1916

Number.	Date.	From or To—	Subject.	
183657	3/29	Pug Sd	40' steamer 1026 and boiler 1776 to be turned in from CHARLESTON	611-2
185564	4/22	C&R	Reports assignement of steamer 1267 to CHARLES)-TON in lieu of 1026 taken from MILWAUKEE	611-1
187096	5/6	C&R	Motor boat 2737 assigned to CHARLESTON in lieu of SEVERN	611-2
187648	5/12	To CO	Motor sailing launch 1741; asks disposition of	611-2
195003	7/29	To Cha CO	Discrepancy in power boat report	611-1
198770	9-7	C&R	Substitution of 36' for 30' sailing launch; assigns 2429 and 2430	611-2
210867	1/8	To CO	1917 Ask at what yard motor sailing launches 1000-1 are to be turned in	611-2
Chasn Sur	134 3/8	To S&A	Reqt shipt of one Ward boiler No 2044 from Norf to.2 To CO--Gives action.3/8 To Norf--(T)Instrns. 3/22	
218238	3-7	Chasn	Request spare HH engine for motor sailing launch.Y To CO--Cannot provide at this time.3/16	

N.S.E. Form 134.

CHARLESTON: AUXILIARY MACHINERY 153-11

Number.	Date.	From or To—	Subject.	
239696	7-21	Canal Zone Defence Force.	40' steamer transferred to TALLAHASSEE awaitingnew boiler; boiler not shipped reqt engine and propeller be included.	611-1
243574	8/13	Phone CHARLESTON	Ship reqted new boiler for steamer 1273.	611-1
243563	8/13	Phone Bost	CHARLESTON Steamer 1273. Re boiler for. Phone Bost-Re shipment of boiler to vessel.	611-1
243579	8/13	To CHARLESTON	Bost Yard will ship a G2 boiler to replace damaged one. Directs report number of boiler upon receipt. To S&A - Reship of G2 boiler from Bost to CHARLESTON.	611-1
246264	8/28	Phila	Boiler 3050 received from Newport and boiler 2229 issued to CHARLESTON.	611-1
246277	8/27	Phila	Relative to installation of boiler 3050 in steamer 3121, in place of boiler 2229, which was issued to the CHARLESTON in error.	611-1
254505	10-10	RHODE ISLAND	Boiler 2050 shipped to CHARLESTON: reqt replace boiler be shipped.	611-1
303159	5/2	C&R	Charleston assigned lauches 973 and C-169. Y	611-2
306345	5-14	To Chasn	Asks correct number of spare steamer engine	611-2
321078	6/26	C&R	Copy of telephone conversation with Norfolk, in connection with motor sailing launches for the Charleston. Y	611-2

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[OVER.]

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CHARLESTON AUXILIARY MACHY

FILE No.		From or To— (Dated)	Subject.	
32512	2/27	C&R	BOATS: exchange of 33' steam cutters 656,822. with SARATOGA	611--1
38643	5/13	C&R	BOATS: assigns 40' steam cutters 1025, 1026 to Charleston from Pug. Sd	611--1
			1912	
82565	10/29	Pug. Sd	Reqt shipment of engine boiler for steamer	611--1
			1913	
88063	1/21	To Chas	Type M steamer engine 1055, asks if received	611--1
95333	5/6	To C.O.	Re power boat machy	680
			1914	
116819	2/4	C&R	36" motor sailing launch, assigns #1741	611--2
125914	5/23	Pug Sd	Reports issue of gasoline engine HH 2270 to motor sailing launch 1741	611-2
			1915	
162182	7/31	To CO	Number of motor sailing launch in 1741 instead of 1471 as reported	611-2

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CHARLESTON: CONDENSERS.

1916

Number.	Date.	From or To—	Subject.	
187515	5/5	Pac Res Flt	Requires retubing	153-8
190595	6-1	CO	Man condensers; detailed report on condition.Y To--Comments: condenser tubes may be had from M.Is or Pug Sd. 6/13	
210114	12-18	CO	Retube dynamo condenser.Y To S&A--Reqt shipt of condenser tubes and material from M.Is. to. 1/9	
268279	12-19	CO R	1917 States new front and back tube sheet required for dynamo condenser.Y To Mass- (T)- Wire by earliest date 2 tube sheets item 28 contract 32547 can be shipped. Urgently needed. 12-20 Inspr Mass--T--reqt shipping instrns covering eight tube sheets.12/21 Chasn (R) request tube sheets be shipped Norf 12-23 Chasn (R) request reply ~~2-22~~ 12-22 To CO-(T)-Two tube sheets for dynamo condenser available immediately shipment Mass.Wire immediately where you wish them shipped. 12-22 To Chasn- Quotes despatch sent to Bost.Mass.12-24	
279839	1-30 To Norf-Tube sheets to be drilled as shown on plan 22-D-0326. 2-25	CO Charleston	Reports on unsatisfactory dynamo condenser tube sheets delivered submits report on. Y. To Norf- Reqts obtain drill.tap.machine and return tube sheets immediately upon return of co Hampton Roads. 2-9 Norf - Y - 2-13 To NN-Directs obtain print and fwd to yard at Norf. 2-16 To Norf- Notifies of above direction to NN. 2-16 NN - 2-19 D	

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N.S.E. Form 134.

1918

CHARLESTON: CONDENSERS

Number.	Date.	From or To—	Subject.	
330106	7-25	To CO (T)	Rpst report re steps taken to remedy conditions of condensers Y CO - (R) condenser now in good condition - 7/26 CO - (R) condenser now in good condition - Y 7/26	
563831	5/14	To C&R	Whereabouts of 35' motor boat 6569 Y Ask if assinged to CHARLESTON	613-12

NB—0120

[OVER.]

CHARLESTON: HEAT:LIGHT VENT.

1913

Number.	Date.	From or To—	Subject.
100137	6-17	Co	Alterations to cold storage piping:b/p·Y Fwd Pug.Sd.instructions.7/16.
			1918
381093	12;19	Ports	Fwds print showing present and proposed arrangement of Ref. roon D fwd Operations 1/2/19 R B 1;9/19 Dept. copy of endorsement C&R giving action 1;7 fwd C&R 1-10
463121	12;19	Pac Flt	copy Request
		VOID See 152-13	Pac Flt-copy-request authority to make CELTIC AVAILABLE at M IS for repairs and postpone repairs to GLACIER.

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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CHARLESTON: PROPELL RS:

Number.	Date.	From or To—	Subject.	
249678	9/18	To Bost	Ask if propeller blades for CHARLESTON have been received at yard.	689-1
534405	12;6	Pug Sd	Propeller report.Y	
		1922		
602667	12/28	MI	Propeller report. Y	
633726	7/1 2	Co	Ask if Bureau knows location of 2 spare propeller shafts. Y To CO- disposition of propeller location	of 8/1

NB—0120

[OVER.]

CHARLESTON: PROPELLERS:

1912

Number.	Date.	From or To—	Subject.	
80159	10-7	Pug.Sd	Measurements; fwds. D	
			1913	
			1917	
221227	4-5	CHARLESTON	Request spare propeller be sent to Canal Zone.	697
229116	5/3	CO accidents	Reports injury to starboard propeller Y To S&A--Reqt shipt of Propeller blads from Pug Sd to Chasn.5/19 P Snd - Reports routs shipping propeller blade 5/28 Y Fwd S&A--5/29	
643	8/13	To S&A	Reqt propeller shaft forgings for CHARLESTON and ST.LOUIS be diverted from Pug. Sd to NY.	629
246442	8/29	To S&A	Reqt shipt of propeller blades from Chasn to Bost for. Y	
246205	8/29	To Phila	Directs transfer job orders to Bost. Directs retain propeller shafts at NY.	153-8

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CHARLESTON : PIPING SYSTEM 1918 2

Number.	Date.	From or To—	Subject.
318887	6-8 6-18	CO Atl Cruiser	Request installation of drain line on angle engine steam line in dynamo room. Y & D To Boston, authorizing alterations, 6-24
361255	10/21 10/22	CO Atl Cruiser	Request overhaul valves and faucets on Screws galley - Y

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

CHARLESTON: PIPING SYSTEM.

1912

Number.	Date.	From or To—		Subject.
60914	2-6	Pug.Sd	731	Dis-connect and re-connect galley steam pipes. Y Fwd Dept.rec appr.2/13. RB 2-15 a'ppd To---appd. Reqst.information as to discrepancy in figures.2/15. Bu. figures correct. 2-28 Fwd Dept.3/5. RB 3-7
64038	3-15	Pug.Sd	1591	Cteam connections for coffee urn.Y To---appd.3/22.
85929	12-9 12-20	CO Pug.Sd	7523	Renew aux. steam and exhaust pipe.Y
				1913
87413	12-26 1-8	CO Pug.Sd	7827	Repair suction fire and bilge suction piping.Y
87656	12-31 1-10	CO Pug.Sd.		Repair dynamo condenser pump suction piping.Y
88696	1-7 1-21	CO Pug.Sd	8058	Alter drain from hot water showers and whistle lines, and install traps in same. D. Fwd Dept via C&R.Rec item 2 be appd.1/28 RB 2-5 To---instructions.2/5
110655	11-12	CO		Reqt. installation of multi drain trap in exhaust of evaporators.D To Chas.via Pac.Res.Fleet.disappd.12/8.

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CHARLESTON: PIPING SYSTEM. 153-15

Number.	Date.	From or To—	Subject.
			1914
133190	8-22	CO	Install multi drain traps evaporator piping; reports satis operation. Y To Via PS & C-in-C-- Authrozied to store. 8/29 ~~Phila~~ CO mfg by NN Co. no trade name 9-15 ~~Chasn~~ CO traps shipped Pug Sd 9-29
			1916
185532	4-17	CO	Make direct suction connection from main and auxiliary feed pumps to reserve bottoms. Y Fwd Dept--Rec ddisappvl. 5/2 RB 5/5 To-- Disappys. 5/5 To--Reconsiders action; auth work. 5/22 Chasn ships force cannot p rform work 6-2 To--States coppersmith will be detailed for. 6/16 Chasn lists material required forsuction lines 7/11 Fwd NY-- 7/26 To--NY will supply material. 7/26
			1917
229517	5/16	Panama Canal	Fwds bill for cast iron elbows Y Fwd S&A--5/25
248094	8/24	CO	Fit water tight deck fitting around steam lines Y Fwd C&R--9/11
		1918	
299795	4-16 4-19	Insp Panama Canal S&A	Bill for repairs. K Fwd S&A 4-23
312877	6-4	Phone C O	Main Feed Line, Installation of 7" Globe Valve with extra outlet, Y Phone NY re installation of valve in main feed line. NY Yard will mfg, 6-4

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CHARLESTON: WORKSHOP & TOOLS.

1912

Number.	Date.	From or To—	Subject.
64691	3/27	To Pug.Sd.	Survey #123; approves repairs to mach.tools.Y
70330	5-28	Pug.Sd 2310	Reqt. instructions relative to repairing work shop tools on survey. Y. To--authorizes repair under Title D Job order.6/6 BLRB6.25 Fwd Dept.reqst repairs to mach tools be made under Title D.6/25.
			1913
88308	1-7 1-16	CO Pug.Sd 7981	Install elec. radial bench drill machine.D.
106196	9-17	CO	Portable work benches; reqt. authority to to turn into store.Y To-Pug.Sd turn into store 9/26 RB 10 8 Fwd NY.10/10 RB 10 27
			1914
135538 VOID	9-22	CO	Reqt.installation of radial bench drilling machine a d elec portable drill.Y
136769	10-7	Pug.Sd	Safety devices; estimate.Y To-- Authorized· 10/14

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CHARLESTON: SORKSHOP TOOLS. L 153-18

Number.	Date.	From or To—	Subject.
			1915
158480	6-15	Pug.Sd	Estimate for installing safety devices machine tools.Y To-- uthorized. 6/21
			1916
189833	5-25	CO	Repairs to milling machine. Y To--Work authorized. 6/5
195281	7/19 8/1	CO Atl Sub Flo	Request milling machine and lathe for use as sub tender.Y Fwd Dept via Ord-C&R-- 8/3 To CO--Asks space available for. 8/3
198293	8-18	CO	Request additional machine tools in connection equipment as submarine tender.Y To--Submit reqn for. 9/7
			1917
210823	12-19	CO	Request Universal grinding machine.Y Fwd NY--For comment. 1/9 RB 1-17 To--Disappvs. 1/18
			1919
385313	1/10	Chasn	Confirms telephone conversation requesting authority to turn in new parts melting outfit to Ports Yd - D

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CHARLESTON: PUMPS.

1912

Number.	Date.	From or To—	Subject.	
64263	3/22	To Eug.Sd.	Job Order 12Z3190/376. Appears that cost of work on drainage pump motor chargeable to another Bureau. Reqsts confirmation.Y RB 4-4	

1913

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Number.	Date.	From or To—	Subject.	

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CHARLESTON: VALVES:

1912

Number.	Date.	From or To—		Subject.	
61502	2-14	Pug.Sd	841	Repairs to check. Y	
72424	6-24	Pug.Sd	3730	Recommends removal of central valve from safety valves. D To---appd.7/1.	
80158	10-2 10-8	CO Pug.Sd	6075	Overhaul sea valves.Y	

1913

87655	12-24 1-10	CO Pug.Sd	7876	Provide relief valves for piping to gen sets.D	
87762	1-6 1-16	Pug.Sd C&R	20197-E.497	Fire main; shows pressure at pump of 175#; too high; recommends fitting of relief valves to operate at 125#; asks if same condition obtain on other ships in service. D. Ret C&R.Gives Bu's practice.1/20. RB 1-24 Ret C&R. 1/1-2" relief valves sufficient.1/29	
92733	3/18 3-18	To NY NY	VOID	Request time necessary to mfr.R Can supply 8" globe valves from stock. Y	

1917

230994	5-29	To CHARLESTON		Auth safety setting of all valves on is 265#	680
312877	6-4	Phone CO		Main feed line installation of 7" globe valve with extra outlet	153-15

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CHARLESTON: VALVES. 153 - 20

Number.	Date.	From or To—	Subject.	
310774	5/25	Norf	Request van dykes showing H P piston valves - D	

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CHARLESTON ALLOWANCES.

Number.	Date.	From or To—	Subject.
353906	9-27	CO	Req. allowances list RA To CO, Fwds S E Allow Forms, 10-3
367822	11-8	CO	Request increase in money allotment R To Posts, (T) authorized renew electr wiring fixtures fittings on CHARLESTON where urgently necessary not to delay departure, 11-14 To— Reqts re above, disapproved, 11-16
			1919
382052	1/1/19	CO	Request authority to turn in to Ports one brass melting furnace and five crucibles for same - RA To Fwd CO 1/7/19
378255	1/9	To CO	Fwds allowance book- CO - fwds elec. allowance book - 5/21
To CO-approves		reqt-8;26Y	To CO- Fwds appvd elec lists. 6-13 CO-8;13
409692	4-11	To CO	Fwdg 1 blank S E allowance book- Y

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N.S.E. Form 134.

CHARLESTON : ALLOWANCE

Number.	Date.	From or To—	Subject.
425290	6:13 CANCELLed	Bermuda	Tel. req. immediate shipment of various spare parts listed Y To Senior Officer Present Afloat Bermuda(T) Reqt name of ship and reasons spare parts wanted. 6-16
434449	7/17 7/22	Phila Dept	Engineering material for Chasm placed on board VERMONT for delivery to M Is - report covering - Y
579319	8:1	CO	Annual inventory completed.Y
		1922	
633727	7/1	CO	Fwds balance sheet/ Title B equipage, quarter ending 6/30.Y
634349	7/17	CO	Annual inventory completed. Y

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CHARLESTON: ALLOWANCES.

1913

Number.	Date.	From or To—	Subject.	
106196	10/28	To WYOMING via NY.	Work benches; cancels 106196-153-21 of 9/26/13; 10/10/13, which was intended for CHARLESTON.R	
109374	10-24	CO	Money allowance;reqt.increase.R Fwd Dept.rec.appr.11/5 RB 11 7 To---appd.11/7 Fwd S&A.11/7 RB 11 12	
111162	11-19	CO	Reqt. authroity to turn in hanging stages.R To---via Pug.Sd.appd.12/4 RB 12 18	
111163	11-17	CO	Larger suspension scales. R To---via Pug.Sd. changes.12/4	
		1914		
115233	1-10	CO	Reqt authority to turn in extra cranks and drums for fire room doors.R Fwd C&R.1/20.	
118227	2-12	CO	Recommends addition of certain tools,wire,etc.R To---appd.3/12.	
119116	2-28	CO	Submits proposed.R	
120612	3-19	Pac Reserve Flt	Reqt increase in money allotment.R Fwd Dept.rec appr.3/24. RB 3 27 appd (T)to---appd.3/27. Fwd S&A.3/27.	
		1916		
188256	3/31	Pac Flt	Reports status of ship in connection with quarterly money allotment	342-21

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153 -- 21 CHARLESTON: ALLOWANCES:

Number.	Date.	From or To—	Subject.	
190020	6-6	To CO.	Fwds blanks for revision. R	
		1917		
222347	6-5	To Sub Force Cancels instrns re allowance books.		571-12
267938	12-20	To CO	Revision of Elec Allow lists. Fwds blank copy. L-R	
	To Chasn-Fwds S.E and S.E. Elec lists 3-13		CO - fwds elec allowance - 3/2 - RA	
	To C O, re S E Elec Allow list 6-21		1918	
To CO, Re S E Elec Allow List 7-29 6-25			CO - 7/24	
279322	2-2	USS CHARLESTON	Requests auth to turn in spare parts for submarines as vessel is no longer tender. Y	497
		1918		
297442	4-10	CO	Requests authority to turn in millivolt meter. RA	
Fwd Norf, 8-17			To Auth turning into store. 4/16	
			CO 6/3 - RA	
			Fwd NY, 6-11 R B 7/24	
			Charleston 7-23	
			Fwd Norf 7-29 R B 8/8	
312414	5/30	CO	Fwds elec allowance - R	
Pug Sd copy of letter to Boston fwding a allowance list 11;21			To C O, Re elec Allowance 6-7	
			Puget Sound 6-24	
			Fwd CO, 7-6	
			To CO CHARLESTON 8/6 - recd B 8/12	
			To Pg Sd, re allowance lists, 8-15	
			To CO 7-6 R B 16	

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CHARLESTON: ALLOWANCES:

1912

Number.	Date.	From or To—		Subject.	
58850	1/10	Pug.Sd		Reqt. new. R	
61499	2-12	Pug.Sd	2225	Technical books on; reqt. bureau furnish. R Ret---directs books be eliminated.3/1.	
64752	3-23	Pug.Sd	1755	Recommends changes in gages.R To -- appvd.3-29	
65695	3-29	Pug.Sd	2225	Recommends change in chest for holding oil cans.R To---via S&A.instructions.4/17.	
66198	4-6	Pug.Sd	1961	Fwds Equipt. R To---via S&A.Fwds four copies.6/8.	
66778	4-13 4-19	Pug.Sd S&A		Reqt. instructions re furnishing clinometer. R To Pug.Sd., via S&A.directs omit.4/20. Fwd Nav.4/20.	
68701	5-9	Pug.Sd	2713	Change size evaporator tubes. R To---via S&A.Amended.5/14.	
69269	5-16	Pug.Sd	2874	Change evaporator tubes.R	
69714	5-21	Pug.Sd	3038	Omis piston ring springs.R To---via S&A.amended.5/29. To--via S&A. Omissions.1/21.To CO via---.New will be fur.2/20	
69863	5-23	Pug.Sd		List not yet received.R	

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CHARLESTON: ALLOWANCES. 153-~~16~~ 21

Number.	Date.	From or To—		Subject.	
73117	7-5	Pug.Sd	3998	Recommends illuminating set be stricken from. R To---via S&A. Directs amendment.7/17.	
74122	7/9	Pug.Sd.	4298	Allowance; additions to.R. To Pug. Sd via S&A. 7/31	
74082	7/16 ~~8~~/23	Pug.Sd. C&R	2090-E.14	Will Eliminate oil signal lanterns for combined oil and electric signals ~~will~~ be furnished.R To-Pug.Sd. not to be changed 7/31 To-C&R do 7/31 To-Pug.Sd via S&A.	
84199	11/23	C.O.		Fire control system, reports non-delivery of buzzers and keys, are in store and will deliver if same are added to allowance	153--4
				1913	
86331	12-26	Pug.Sd	7632	Allowance list; recommends elec.plans and boxes for same be added. R. To---via S&A.Addition.1/4.	
86411	1-7	CO		Reqt. addition of spare lamps for searchlights.R To Pug Sd via S&A.appd.1/16.	
90978	2-18	CO		Returns; not up to standard. R.	

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CHARLESTON WHISTLES & SIRENS 1921

Number.	Date.	From or To—	Subject.	
565613	5/18	CO	1 klaxon horn recd from MI in good condition. R.	

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Number.	Date.	From or To—	Subject.	

CHARLESTON: AIR COMPRESSORS.

Number.	Date.	From or To—	Subject.	
38213	5/8	C&R 20197-E.493	Gas ejecting system; fwds prints and corres. from Pug.Sd. D Fwd Puget. Rets print and reqsts comment and rec.5/10 RB 5-81 Reqt. return. 5/29 To -- Ret -- via Ord. 6/1.	
			1912	
			1913	

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Number.	Date.	From or To—	Subject.	

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CHARLESTON: RECORD OF WORK 1921

4.

Number.	Date.	From or To—	Subject.
575725	7/1	CO PRAIRIE	Quarter ending 6/30 Y
590977	8;1	CO BUFFALO	Quarter ending June 30th.Y
590639	10/1	CO VESTAL	QUARTER ENDING 9/30 Y
590752	10/1	CO MELVILLE	Quarter ending 9/30 Y
593490	10/31	CO BUFFALO	Quarter ending 9/30 Y
595659	11/14	PRAIRIE	Quarter ending 9/30 Y
595913	11/15	CO BUFFALO	Quarter ending 9/30/21 Y
604798	JAN 1 1922	CO MELVILLE	Quarter ending Dec 31st.Y
606655	1;1	CO MELVILLE	Quarter ending Dec 31st.Y
613736	3/10	Mare Island	10/3/21 to 10/6/21.Y

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CHARLESTON RECORD OF WORK 192q

Number.	Date.	From or To—	Subject.	
632434	7/1	CO	Quarter ending 6/30. Y	

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CHARLESTON: RECORD OF WORK. -1920-

Number.	Date.	From or To—	Subject.	
497726	6/1	Phila	7/3/19 to 7/23/19 - Y	
542658	1/15/21	PRAIRIE	Quarter ending12/31/20	
556982	4;1	CO MELVILLE	Quarter ending 3;31.Y	
557229	4;1	CO BUFFALO	Quarter ending 3;31.Y	
557622	4;1	CO VESTAL	Quarter ending 3;31/Y	
573377	7/1	CO MELVILLE	Quarter ending 6/30. Y	

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Number.	Date.	From or To—	Subject.	

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1918

CHARLESTON: RECORD OF WORK

2

Number.	Date.	From or To—	Subject.	
292808	3-25	Boston	Oct 13 to Nov 15. Y	
334082	8/1	Bost	7/21 to 7/27 - Y	
338204	8/15	Boston	7/21 to 7/27 -	
388522	1;20	Ports.	11;12;18 to 1;17-19 Y	
397833	2/21	Hoboken	2/14 to 2/21 - Y	
400678	3-15	Hoboken	2-15 to 2-21 Y	
407537	3;31	Consolidated Ir. Wks	3-19-19 to 3-26-19 Y	

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N.S.E. FORM 134.

1919

CHARLESTON : RECORD OF WORIK.

Number.	Date.	From or To—	Subject.	
418418	5-7	Consolidated Iron Works	4-21 to 4-28. Y	
420838	5;1	Ports	11-12-18 to 1-17-19 Y	
424497	6;9	3rd dist.	5-23 to 5-30-19 Y	
432814	7;14	Ports	1-17 to 7-12.Y	
434372	7;10	Army Piers	6-28 to 7-2.Y	
441182	8;20	Ports	7-12-18 to 8-16-19.Y	
441555	8;1	Phila	7-3 to 7-23.Y	
445125	9/10	Ports	1/17 to 7/12 - Y	
450236	10-1	USS BRIDGEPORT	Quarter ending 6/30. Y	

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[OVER.]

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CHARLESTON: RECORD OF WORK.

Number.	Date.	From or To—	Subject.
		1913	
102086	7-17	Pug.Sd	Jan 21 to July 5. Y
109128	10-25	Pug.Sd	Jan 27 to Oct 25.Y
122676	10-4	Pug Sd	Jan 21 to Sept 30. Y
		1914	
115539	1-14	Pug.Sd	Quarter End Dec 31.Y
122908	4-16	Pug.Sd	End Mar 31.Y
130502	7-15	Pug.Sd	End June 30.Y
		1915	
145028	1-21	Pug Sd	End Dec 31
152563	4-10	Pug.Sd	End Mar 31
162326	none	Pug Sd	End June 30.Y
168601	10-12	Pug.Sd	End Sept 30
175225	12-23	Pug.Sd	ditto
		1916	
177807	1-31	~~Bath~~ Pug. Sd	Quarter ending Dec 31
186319	4-25	Pug Sd	Jan 1, 16 to Apr 3, 16

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1917

CHARLESTON: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
232645	6/5	Phila	May 29th to June 5th Y	
246462	8/28	Phila	Aug 18th to Aug 20th	
248906	9/4	P Snd	July 1st to Sept 8th - Y	
251599	9/22	P Snd	Sept 9th to Sept 22nd Y	
263429	11/15	Bost	10/13 to 11/15 Y	
		1918		
289823	3/12	Phila	5/29 to 6/5/1917 - Y	
289822	3/12	Phila	8/17 to 8/20/17 - Y	

NB—0120

[OVER.]

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CHARLESTON: SURVEYS 1921 2

Number.	Date.	From or To—		Subject.
584404	8/23	Comdt	7/22	Muffler Y
584837	9/1	Comdt	9/22	Armature Y CO- Item 2 can be repaired by PRAIRIE 9/13 Y
584862	9/2	Comdt	8/22	Manifold Y ~~To CO Reqst Inform 9/22 RB-10-3Y~~ To CO Gives Instrns 10/5 RB-11;2-Y
587255	9/15	Comdt	13/22	Expanders Y
587431	9;17	Chasn	14/22	Elec sound signal.L
588267	9/19		10/22	Projector L To COSubmits Recomdn 10/15
589667	9/15	CHARLESTON		Valve, check main feed pump Y
601206	11/10	CHARLESTON	6/22	Armature Y
601215	11/10	CHARLESTON	16/22	Electric sound signal Y
601216	15/22	CHARLESTON	15/22	Fans, Cylinder Y

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CHARLESTON: SURVEYS 1921

Number.	Date.	From or To—		Subject.	
601522	11/10	Chasn	16-22-A	Sound signal Y	
601523	11/10	Chasn CANCELLED.	16-22	Armature Y	
601524	12/3	Chasn	15/22	Fans, Dr 11, Cylinder Y To CO Reqst inform 1/5/22 RB 1/23 L	
622296	4/21		4-E-22	Pistons, Manifold, Propeller Y To CO- Reqst inform survey appvd 5/12	RB 6/1 Y
622297	4/21		1/E-22	Adapter, Bolts Y	
622477	4/25		5-E-22	Buckets Y	
626628	4/21		3-E-22	Shank, Rod, Brasses Y	

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CHARLESTON: SURVEYS:

Number.	Date.	From or To—		Subject.	
476068	2;4	CO	2/20	Drawing instruments.Y	
481570	3;8	Pug Sd	3/20	Various material.Y	
512196	8;13	Pug Sd	1/21	Coal and ash buckets.Y	
517865	9/13	Pug.Sd.	2/21	Rubber hose, blocks, jack screws,etc Y	
519789	9/24	Pug.Sd.	4/21	Piston rods, Y	
522143	10;6	Pug Sd	6;21	Taps and dies.Y	
526945	10/28	Pug Sd	9/21	Gears, Connecting rod, Brasses- Y To Pug Snd Reqst numbers of engines parts Pug Sd-11;15-Y	cc CO 11-6
528025	11;3	Pug Sd	8;21	Various items.Y	
528025	11;3	Pug Sd	7;21	Buckets, breast drill, vise bench,etc.Y	
529360	11;10	Pug Sd	10	Blueprints.Y	
530332	11;15	Pug Sd	12;21	Battery, blower, panel, lanterns,etc.Y	

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153-27: CHARLESTON: SURVEYS:

Number.	Date.	From or To—		Subject.	
530331	11;15	Pug Sd	11;21	Piston rods, rod plunger, gauges, etc. Y	
533586	12/2	CHASN	13/21	desk fans	Y
535667	12/14	Pug Sd	14/21	Battle Lanterns Y	
557336	3/21	Chasn	16/21	Counters Y	
557337	3/18	Chasn	17/21	Counter Y	
572215	6/20	Chasn	18/21	Batteries Y	
573543	7/5	Chasn	110	Engine Y	
575470	7/7		1/22	Battery Y	
581906	8/8	Chasn	5/22	Ammeters Y	
582088	8/10	Comdt	3/22	Vacuum tubes, Batteries Y	
582600	8/3	Comdt	6/22	Carburetor, Magneto Y Fwd PacificFleet 9/1 RB 12/3 Y	

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[OVER.]

1912

Number.	Date.	From or To—	Subject.	
72562	7-1	Navgn	& GALVESTON: placed in commission and reserve. Pug.Sd.	774
			1913	
96783	4/21 4/29 5/7	CO Pac.Fleet Dept.	Report on short cruise. M To-Pug. Sd- reqt report on setting of engine valves 5/12. Fwd Dept via Ord.5/15.	
100039	6-17	Pug.Sd	4-hour trial; re failure of engines to use steam.Y	
			1914	
134664	9-17	Dept	Orders to East Coast Mexican cancelled To remain with Pac Flt.Y	
173814	12-14	TO CO	Performance curves; fwds M To--Returns for completion. 12/31 CO fwds curves 1-31	
		1919		
398366	2;26	CO	Submits req. for additional money allotment Y	
499355	5/22	CO CHATTANOOGA	Fwds samples of german coal recd at Brest, France with report on use of- reqsting rebate be allowed vessel covering. F	623

N.S.E. Form 134.

154-8:CHATTANOOGA: TRIALS PAYMTS, ETC. 1921

Number.	Date.	From or To—	Subject.	
575370	7;16	CO copy	Will decommission ship July 19th, Y	

NB—0120

[OVER.]

CHATTANOOGA: ELEC.PLANT. 1913

Number.	Date.	From or To—	Subject.	
89425	1-30	Pug.Sd 8220	Finished eled. plans; fwds vandykes.L.	
		1914		
97080	1/12	To CO	ETC: Fire control telephone system; fwds print for comment as to whether preferable to system proposed.	184-3
1409 04	10/12 11/17	CO Pac Flt	Rewire lighting system, fire and engine rooms; repair searchlights, repairs to automatic signal whistle, switchboard motors, commutators, etc.L Fwd PS-- For estimates. 12/3 Feb 12 29 To Pug Sd-- Appvs. 12/29	
		1915		
160539	7-14	To Co.	Quarterly report of electric plant; returns for correction. L CO 7-26	
167483	9-13	CO	Elec alterations; additional standing lights, remove I-C telephones, rewuire I-C system, additional call bells, motor generator gun firing system, relocate fire control telephone jacks.L Fwd Dept--Recommendations. 10/9 RB 10/12 To--Gives action on. 10/12	
174856	12/23	Dept	Fwds report Bd Investigation upon accident to main topmast, damaging radio aerial and running lights.L&W	
203636	8-18	CO	New power and lighting circuits, remove whistle power operator circuit.L Fwd M.Is.—Gives action taken. 11/17 RB 2-24	

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1916

CHATTANOOGA: ELEC PLANT. 154-3

Number.	Date.	From or To—	Subject.	
204598	10-9	CO	Replace all conduit leads where exposed to weather.L	
			To M.Is.--Reqt rec and estimates.	11/13
			M Is no copy of letter received 11/20	
			To M.Is.--Fwds copy of letter 10/9.	12/4
		1918		
328822	7-22	To CO	re repairs to electrical equipment L	
			CO - 9/4	
			To NY, authorized to ship for install;fittings,	9-13
			9-20 request Vandykes of finished plans - L	
			To NY, Fwds vandykes in re above	10-23
378907	12/2	CO	Rewire certain circuits - L	
		1919		
388557	1;21 1;24	CO NY	Rewind signal and running light call bell system lighting circuit etc. req. yd. force assist ships force L	
			Fwd NY 1-27	

NB—0120

[OVER.]

CHATTANOOGA: INT COM SYS.

1916

Number.	Date.	From or To—	Subject.	
197593	8-7 8-24	M.Is C&R	Voice tube work deferred until ship available for examination.L Ret. C&R 8-29	
			1917	
247357	8/10	CO	Reports on status of fire control system	L
264794	12/1	CO	Request authority to turn telephones into store. To via NY- 4th to turn into store articles requested type "A". 12-8	
316314	6;12	C O	Reqts complete set of blue prints of fire controll and interior communication on L. To CO, prints fwd as rqstd 7-3	
326797	7-18	To CO	Rqst inform when ship will be available for installation of interior communication L Y	
324112	10;5	Phial.	Material received 10;7 Y	

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N.S.E. Form 134.

CHATTANOOGA: INT COM SYS. 154 - 4

1919

Number.	Date.	From or To—	Subject.
382654	1/2/19 1/4/19	CO Atl Cruiser	Request Yard force assist ship's force with rewiring fire alarm system - L To NY T author granted assist ships force CHATTANOOGA rewire fire alarm system- 1-9
383592	1;2 1;4 1;8	CO At. Cruiser NY	Request yar force assist ships force in rewiring fire ~~xxxxx~~ alarm system L
383637	1/9	To Bureau Phone	Engr officer CHATTANOOGA reqsts actions taken re repairs fire alarm system-

NB—0120

[OVER.]

CHATTANOOGA: Int. Com. Sys.

1912

Number.	Date.	From or To—	Subject.	
64526	3/25	To Pug.Sd.	& GALVESTON: voice tubes; request list of all installed.##### L	
68083	5-1	Pug.Sd 2500	Fire control; finished plans; fwds.L	
70218	5-29	Pug.Sd 3176	& GALVESTON: voice tube list;fwds b/p. L To C&R.Fwds prints.6/4.	
70331	5/29	Pug. Sd	& GALVESTON: reqt dynamotors for I.C. circuit.	212--4
70644	6-7	C&R	GALVESTON: voice tubes; states those going thru w.t. compartments must be fitted with w.t. mouth pieces.L To---Requests be fitted; also on DENVER and CLEVELAND.6/13.	
82407	11/12	C&R 27645-E.5	& GALVESTON: voice tubes; gives number and location of mouth pieces.L Ret---11/15.	
			1913	
95150	4/11	CO	Requests addition of portable buzzers.L	154-21
		1914		

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N.S.E. Form 134.

1914

CHATTANOOGA: INT.COM.SYSTEM. 154---4

Number.	Date.	From or To—	Subject.	
97080	1/12	To CO	ETC: Fire control telephone system; fwds print for comment as to whether preferable to system proposed.	184-3
120169	3-17	TO C&R	Recommends overhaul of fire control voice tube system. L	
128182	6/18	Pug.Sd. 17388	Voice tube system; fwds plans of fire control.L	
128608	6-26	C&R 27645-E.18	Fire control voice tubes; fwds plan. L	
139443	10-25	CO	Firing salvo buzzers; reqt authority to expend from books.L To-- Appvs. 11/13 Fwd S&A-- Allotment authorized. 11/13	
			1915	
167483	9/13	CO	Elec alterations; remove I-C telephones, etc.	
167707	9-27 10-7	CO C&R	Alterations fire control voice tubes.L Fwd C&R--Recommendations 10/12	
167873	10-9	C&R	Extend voice tube from bridge to dynamo room searchlights.L To Pug Sd--Auth installation of 10/12 To--Instructions issued. 10/12	
			1916	
178731	1-25	CO	Reqt authority to turn in battery cells I-C system.L To--Granted. 2/12	

NB—0120

[OVER.]

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/v

CHATTANOOGA: Interior communication system:

FILE No.		From or To— (Dated)	Subject.	
29570	1/14	Pug.Sd	GALVESTON &: reqt auth. to include 2 extra telephones in fire control installation	212--4
29374	1/11	Pug.Sd	Interior and power lighting circuits; reqsts finished plans. Fwd N.Y. To fwd tracings 1/24.	212--4
38356	4/18 5/10	Pug.Sd 613 C&R 17082-E.165	& GALVESTON: Reqt. indicators for long arm system. L Fwd Dept.rec appr.5/18. R.B.apprd.6/14. Ret C&R. 6/15.	
38356	6/5	C&R 17826-E.292	DENVER: CLEVELAND: GALVESTON: power doors.L To M.Is. Reqst wiring plans, and estimated cost. 6/12. Fwd Dept, if apprd, rec apprl of installation of elec.signal system.6/12. R.B.appd 6/14. Ret -- 6/15.	See below.
40981	6/12	TO Pug.Sd	& GALVESTON: Reqt. wiring plans for power door indicator system.L.	
38356		See above	To Puget.& M.Is. Quotes Dept's appr.6/15.	
53992	11/13	Pug.Sd 4126	& GALVESTON: w.t. door indicators; fwds print proposed arrangement. N To--Appd.11/25.	
55932	12/8	Pug.Sd. 4357	Fire control system; submits new estimate.L Fwd Dept via C&R-Rec.appd.12/15. ~~RB 12-23 appd~~ Ret-12/23. ~~RB 1-4~~	
57370	12/26	Pug.sd 4525	& GALVESTON: Reports receipt of motor generators for telephones but no dynamo for salvo system. L To---2-KW gen.being prepared for 2d test.1/4.	

1912

NB—0120

Number.	Date.	From or To—	Subject.	
87405	12/20	C.O.	Reqt section overboard discharge pipe and repair dynamo engine.	154--8
88565	1-3 1-11	CO Navgn 4032-180	Morse Code keyboard, night signal set not delivered. L Fwd Dept.Blinker light may be fitted by ship's forde.1/29.	
109870	9-8 10-25	CO Pug.Sd 13160	GSK office;install additional lights; in new.L To Pug.Sd.appd.11/11. Fwd C&R.11/11	
		1914		
140902	10/12 11/17	CO Pac Flt	Alterations: gun firing battery boxes, additional lights and additional receptacle at each gun.L ~~Fwd~~ To-- For estimates. 12/3 12/29 Fwd Dept--Recommendations. 12/29 To PS--Items 2-3 appvd; 1 disappvd. 1/4	
		1915		
172443	11-26	Pug.Sd	No work required for adapters night signal sets.L	
		1916		
178843	1-28	CO	Install armored cable in lieu of conduit for running lights.L Fwd Pug Sd-- For estimate. 2/16 RB 2-24 To M.Is.--Appvs replacement of two hooded switch and receptacle boxes. 3/9	
		1917		
213125	1-19	CO	Estimate for installing man overboard and break down lights.L To M.Is.--Appvs est. 2/6	

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CHATTANOOGA: LIGHT & POWER 154 -- 5

Number.	Date.	From or To—	Subject.	
225537	5/1	To CO	Reqt report on lighting circuits on main deck and engine rooms. L CO 7/17 L	
247356	9/2	CO	Run power wiring L Fwd C&R--9/7 RB 9/12. To- Appves alterations. 9-21	
250776 248247 270727	9/18	CO	Repairs to armature of forced draft blowers.Y NY--1/9.Y 1919	
399016	2;24	CO	Repairs to air meter Y	
441764	8/25	NY	Details of angle bulkhead blade for main ac generator cable stuffing boxes-fwds prints. D?	154-14

NB—0120

[OVER.]

154--5
CHATTANOOGA: LIGHT & POWER SYSTEMS:

FILE No.		From or To— (Dated)	Subject.
34875	3/16 3/28	Pug.Sd. C&R 17082-E-163	& GALVESTON: fwds prints showing re-location of searchlights. L Ret C&R. Location satisfactory 3/29.
54451	11/14 11/23	Pug.Sd. Ord. 16379-43	Magazine light boxes; rec.additional. Ord.disapproves.L. Fwd Dept-Concurs.11/29. RB 12-2 a'ppd To--Disappd.12/4. Fwd C&R via Ord-12/4.
54951	11/4	Pug.Sd. 3934	& CLEVELAND: Searchlights; states have projectors without mirrors, and requests instructions.L To--Recm. for 30" parabolic mirror for CLEVELAND prepared; delivery 90 days.12/15.
			1912
59165	1/16	Pug.Sd 208	Searchlights; repairs. L To---appd.1/25.
61050	218	Pug.Sd 774	Dynamo engine; revised estimates for repai rs. L Fwd Dept. rec appr.2/14.RB 2-16 a'ppd To---appd.2/16.
67939	5-1	Pug.Sd 2452	Alterations; item in survey; covering leads for battery charging stations.L To---appd.5/6.
82628	11-4 11-14	CO C&R 9850-E.78	Signal lanterns; asks if Bu. will furnish combined oil and elec. L.
			1913

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CHATTANOOGA RADIO 1920

Number.	Date.	From or To—	Subject.
520029	20-1	To S&A	Reqst shipmt of app from CO to Washn 4602 W.
551500	3;10	European Force copy	Request radio transmitter receiver and amplifier be shipped.W To ~~Brook~~ S&A Reqst shipmt of transmitter from Brook to CO 6652 3/17 RB-6;20-W

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Number.	Date.	From or To—	Subject.	

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CHATTANOOGA: RADIO

1916

Number.	Date.	From or To—	Subject.	
199040	9-5	M.Is	Will submit estimate and plans Sept 15.W	
200997	9-21	M.Is	Fwds plan and estimate.W To—Appvs. 10/5 To—Quenched spark gap belongs to new set to be installed on, and not turned into store. 10/16 M.Is location transformers 10-25 To—Comments on location transformers.	11/3
204916	11/9	To M.Is.	Reqt est and recommendations on transmitting set now installed on, to put same in good shape. W	
			1917	
214092	1-29	CO CHEYENNE	Request 2 new radio motor generators formerly used on CHATTANOOGA.	157-5
216846	3/9	To CO	Asks disposition of De Forest audion detector and amplifier not reported as on board. W CO 3/22	
218024	3-7	M. Is	Reports transfer portable radio set from CHATTANOOGA.	162-6
241165	7/31	To CO	NSE 25-B and Bu records differ. Reqt further information. W CO 9/11.	

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CHATTANOOGA: RADIO. 154 - 6

Number.	Date.	From or To—	Subject.
252339	9/20 10/2	CO C&R	Reqst comment on shortening mast in connection with effect on radio - W Fwd C&R- 10-5 C&R 10/8
271680	1-7	To S&A	Reqt shipt one radio receiving set from Washto to Co. W
349595	9-16	CO	Request authority to survey Lowenstein quench gap - W To CO, permission granted to survey 9-21
356899	10;5	CO	Req for permission to turn into stock one telefunken receiver W To CO, permission granted 10-11
391134	1;31	CO	Reqst. auth. to turn into store and replace transmitter relay key W To- Auth to turn into store one relay key. 2-7
504039	7-13	To S&A	Reqst shipmt of apparatus from Washn to CO 3628 W.

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1914

CHATTANOOGA: RADIO

Number.	Date.	From or To—	Subject.	
123927 2	4-22 4-23	CO Pug.Sd	Request additional receiving set.W. To M.Is.approves issue.5/2.	
133760	9/17	Dept. 6th indorsement 17898-250	Authorization of increase of height of masts	184-6
135185	9/23	Pug Sd T	OREGON ; reqt authority to install radio motor generator ex-CHATTANOOGA	326-6
135382	9-26	Pug.Sd T	Radio generator; recommends supply new wound for 60 volts; installed one at yard on OREGON.W To-- (T) Instructions. 9/28	
135511	8-30	CO	Alterations to.W Fwd C&R-- 10/3 To Via PS-- Appvd. 10/3	
142913	12-24	Pug.Sd T	Radio motor generator; reqt authority to rewind one ex- NERO. W To--(T)Instructions. 12/28	

1915

143902	1-2	CO	Description of radio; delay in forwarding.W	
151321	3-29	Pug.Sd	Radio installation; reqt description forwarded to Bu be sent vessel.W	

1916

181575	3/14	To S&A	Reqt shipment M Is to Pug Sd 5 kw Navy type radio set for	876

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CHATTANOOGA: RADIO. 154-6

Number.	Date.	From or To—	Subject.	
151568	3-30	P.S. 22568	Radio plans; fwds.W.	
160088	7-9	To M.Is.	Radio apparatus for; asks when will be ready for installation. W	
162361	7/28	Pug Sd	& NERO; relative to change of motor generators.W To M.Is--Fwds copy shipment reqest.8/9 To--Ditto. 8/9 To S&A--Reqt shipment of motor generators.8/9	
164678	8-23	M.Is	Estimate for repairing and installing portable radio set.W	
168799	10-14	M.Is	Estimate for installing new motor gen	310-6
182707	3/18	Pac Flt	Reqt higher powered set	184-6
185909	4-21	Pac Flt	Reports furnishing 6 ultra audion bulbs. W	
196428	8/9	Pug Sd	Calibration of Telefunken transmitter; fwds.W	
196820	8-16	M.Is T	Requires 80 volt radio switchboard; all received on order No 2 are 125 volts.W To Phila--(R) Quotes above; asks number of switchboards furnished M.Is. 8/17	
181575	8-23	ToPuget Sd .	Asks when plans and estimates will be fwd. 876	

1916

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CHATTANOOGA: WIRELESS TELEGRAPH SYSTEM;

FILE No.		From or To— (Dated)	Subject.	
28989	1/13	TO Pug.Sd.	AND GALVESTON; fwds copy of reqn. covering wireless set	
			1912	
66781	4/20	Dept	APPAR. directs sets for be expedited.	876
68767	5-10	Pug.Sd.	Estimate for installing. W To---appd.5/16.	
76137	8/15	Pug.Sd.	& RALEIGH: Radio telegraph sets; impossible to invoice to vessel before Oct.1st without Bureau authorizes increase in material allotment.W	
			1913	
87844	1-5	CO	Description.W.	
		1914		
117073	2/7	To Pug.Sd.	Radio installation; Bu has requested shipment from NY to Pug.Sd of 2-kw motor-gen.and transformer.W (See 117060-876) To Pug.Sd.-authorized to rewind motor 4/3	
117060	2/7	To S&A	Reqt shipment of 2 Kw motor generators and 2 KW transformers from NY to Pug.Sd for	876

NB—0120

154---7

1918

SUBMARINE SIGNAL: Chattanooga

Number.	Date.	From or To—	Subject.
277695	1-24 1-29	NYS S&A	Requests that a receiving apparatus be purchased for L. Fwd S&A- 2-5 S&A - 11/3
372677	11/26	CO	Submarine signal apparatus installed and found satisfactory - L
400161	3;5	C&R	Copy of types to NY relative to installation of listening gear.
373611	11/26 11/30	CO C&R	Submarine signal apparatus has been installed L
399978	3/5	C&R	CHATTANOOGA AND FREDERICK confirms tel conversn re to installation of listening device L 154-7
445848	??	F.E.Chapman Subm Signal Co	Submits bills for $47.05 covering removal of Submarine Signal Apparatus-states had assumed work was chargeable to James Shewan Co but bills were returned saying work was chargeable to Department L Fwd C&R; 9-20

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

CHATTANOOGA MACHRY PLANT 1921

Number.	Date.	From or To—	Subject.	
580393	8/12	Hon. G. Tinkham	Fwds telegram from Union at Boston protesting against taking vessel away from yard. C. To Hon George Holden Tinkham-Nec to transfer ship to Ports because of berthing space available 8/13 C	
582058	8;12	Boston	Matl insp n submits estimate.Y Fwd Dept 9/19RB-9;28-Y To Boston - Gives Action 10/1	
584327	9;6	C&R	Action on report of Bd Survey & EstY	
584471	9/8	Boston (T) Boston- Acknowledges? 9/16	Fwds request for engineering forms 388 for use in keeping record on decommissioning of vessel Y Boston-T-log not at yard-9;9-Y To Boston Tel corw rel to "Report of laying up and recommissioning machy" 9/10 To Boston- Fwds Report 9/12	
584511	8/6	Navy Disbursing Office	Fwds bill of French Govt for repairs to OSTERIESLAND, CHATTANOOGA & PANTHER K	652
589560	10;6 10;7	JAG Dept	Report covering unreadiness of vessel for decommissioning.Y JAG-fwds report covering unreadiness of vessel-10;6-6 Fwd Operns 10/12 Fwd Navign via C&R 10/15	

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Number.	Date.	From or To—	Subject.	

CHATTANOOGA: MACH PLANT:

Number.	Date.	From or To—	Subject.	
492462	4;21	CO	Request renew gear for port jacking engine cast 24 new valve sets,etc.Y	
504927	7;9	Adriatic Force copy	Shifted flag from GALVESTON to CHATTANOOGA.A&F cross to 632	
508150	7;1 7;27	CO Dept	Report on material readiness.Y Fwd Operns via C&R- S&A- Med& Surg- Ordn 8-2	
524715	10;7 10;21	CO C&R	~~Report on material readiness.Y~~	NNQ
545175	12;29 2;7	Turkish Div C&R	Report of inspection.Y Fwd Operns via Ordn S&A Med & Surgy Navign	2/9/21
557689	4;13	Dept	Instrns in connection with holding of matl inspn.Y To Bd I&S Fwds corr listed 4/20 Bd I&S-returns corres-6;16-1	
56 3408	5;2	CO	Request renew bevel gears on steering wheel transmission shafting-line up steering engine, etc.Y	
563417	5;2	CO	Request rebabbit main bearing spares rewind armature of blower,etc.Y	
563406	5;2	CO	Request rebore cylinder of pumps braze aux line to boilers reseat valve seats,etc.Y	

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N.S.E. Form 134.

154-8:CHATTANOOGA: MACH PLANT:

Number.	Date.	From or To—	Subject.	
567488	5;31	CO	Reqt mfg lp piston ~~and~~ rod and crosshead for dynamo overhaul gears and bushings of lathe,etc.Y	
568314	6;6	Dept	Vessel will be placed out of commission at Boston.Y	
569208	no date	Bd I&S	Submits report of matl inspn held June 7th.Y	
569912	6;15	Dept	Copy of letter to Boston directing undertake work listed previous to placing out of commission.Y	
570426	6;16	Dept	Vessel will be placed out of commission.A	
572024	6;25	Dept	Copy of telegram to Boston directing place vessel out of commission July 20th.A	
575920	7;19	1st Dis copy	Vessel placed out of commission.Y	
575940	7;19	CO	Reqt vessel be removed from mailing list.Y	
575976	7;19	Boston copy	Vessel placed out of commission.Y	

CHATTANOOGA: MACH PLant

1919

Number.	Date.	From or To—	Subject.
384370	1;7	CO	Packing repairs to tank and suction piping Y
384462	1-14	To Secty(Operations)	Comments re report of material inspection To——States that B. authorized item 1 to 5 1/14
386588	1/1 1/15 1/18	CO Atl Cruiser Dept	Submits report of material readiness for war - Y Fwd Operations via C&R-Ord-Navgn. 1-21
394910	2;13	Dept	Copy of endorsement to NY setting March 3 for date of completion of work on Y
399440	3/4	Dept	Copy of indorsement to NY extending date of completion to 3/12 - Y
402436	3/13	Dept	Date of completion extended to 3/17 - A
417580	5-1 5-5 5-10 Fwd Operations. 5-13	CO S & A M & S	Submits report of material retained on vessel Y

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N.S.E. Form 134.

1919

154 - 8 CHATTANOOGA: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
428585	7-1	Phone I.M. Ny	Propeller and Stern Tube Shaft.	162-8
434342	7:1 7:21	CO C&R	Report of material readiness.Y Fwd Operations via Ordnance and Navgn. 7-24	
439875	7:11 7:25	CO European Force	Request overhaul sea valves,etc.Y	
451837	10:1 10:15	CO Dept	Submits report of material readiness for war service. Fwd Operations. 10-17	
465471	12:1 12;3	CO European Force	Request manufacture clutches for lathe-cast valve sets,etc.Y	
			1920	
475634	1;19	CO	Request renew discharge line from distiller and flushing line-renew gears for the lathe carriage,etc.Y	
488121	3;30	CO	Request brace holding down lug on steam cylinder of starboard hot well pump-brace crack in port grease extractor,etc.Y	

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[OVER.]

CHATTANOOGA: MACHY PLANT

Number.	Date.	From or To—	Subject.	
303449	4/1	C O	Material readiness for war service Y Fwd Dept. 5-8 To- Reqn can not be located. Reqts furnish duplicate copy. 5-8 S&A 7-30 Fwd Chasn Via S&A 8-3 To Chastn 8/3 - RB 8/17 RB9/25 Fwd CO, 8-19 Fwd Chasn, 8-5 RB 8/13 CO requests cross box, 9-11 Y To NY (T) Authorized to issue cross box, 9-12	
To CO (T) Issue one cross box 9-12 NY - (T) Cross box delivered to 9/14 9/17 - Y				
313 095	5/16	CO	Repairs to dynamos and clocks- Y	
313092	5/31	CO	Repais to dynamo engines- pumps - Y	
336146	77/1 8/6	CO Atl Cruiser	Submits report of operations of H P piston rod packings of main engines -etc-Y To CO, Rqst packing be repaired, 8-20	
34				
359813	10/1 10/14	CO Atl Cruiser	In connection with defects of sleeve of starboard shaft - necessary retubing of boilers etc - Y	
384462	1;8	Cruiser Force	Fwds report of matl inspection Y	

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N.S.E. Form 134.

154- 8 CHATTANOOGA: MACHY PLANT

1918

Number.	Date.	From or To—	Subject.	
378603	11;29 12;17	CO At. Cr	Req. assign shaft for corosion supply new blance ring for valves on main eng. etc Y	
378903	11/29	CO	Repairs to boilers, uptakes, condensers, piping, valves - Y	
378900	12/4	CO	~~Repairs to motor sailor and crank pin brasses.~~	
381405	12;28 1;13	Dept CO	Ship available at NY for replacement of starboard propeller shaft and nec repairs Y	
384174	1;8 1;9	CO At Cruiser	Req. renew front angle iron in port fire room - engine steam guide valve etc Y	
384169	1;9 1;9	CO At. Cruiser	Req. engine shaft valve of main circulating pump Y	

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[OVER.]

CHATTANOOGA: MACHY PLANT 1917

Number.	Date.	From or To—	Subject.	
212079	1-6	CO	List of work to be done by ships force. Y	
215915	2-24	Bd I&S	Material inspection. Y To CO--Ask why opening of dampers can not be regulated by chains as at present install. 3/6 Fwd Dept--With rec. 3/6 RB 3-9 To M.Is.--Gives action be enclosures. 3/10 CO additional data on change for damper doors 3/15	
		To M.Is.--Disappvs install of levers for dampers. 3/26		
217616	3-5	M.Is	Request date of completion be extended to May 5. Y Fwd Dept--Rec appvl. 3/12	
217909	3-1	M.Is	Report of board survey and estimates. Y	
227650	5/11	CO Copy	Overhaul machinery -will require until 12th Y	
243911	8/16	To CO	NY is repair yard for present. Directs Norf retain crank shaft at yard for present. Y	
251587	9/20	CO	Alterations to flushing system, install evaporator vapor line feed heater - Y Fwd Dept via C&R- 10-5 R B 10/24 To NY- Item appvd. Item 2 disappvd. 10-25 /one	

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CHATTANOOGA: MACHY PLANT. 154 - 8

Number.	Date.	From or To—	Subject.
260475	11/4	CO	Repairs to pressure exhaust main suction line, evaporators - Y
265244	12/3	CO	Manfg metalic packing, new water leg for main feed pump, new tube sheet for distiller, replace globe valves, etc - Y
269288	12-24	To NY	Transfer of job orders and Correspondence to Navy are Charleston. Y
272512	1/7	Dept	Military inspection - Y Fwd Operations-via Ord-S&S-Navgn-M&S-1-10
277725	1-22	CO	Repairs to thrust bearings main steam lines fittings boilers Y.
291772	3/22	C&R	Copy of instrns to Chasn to transfer job orders to Navy - Y

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[OVER.]

CHATTANOOGA: MACHY PLANT.

1915

Number.	Date.	From or To—	Subject.	
148572	2-12 2-27 3-2	Pug.Sd C&R Dept	Report of Hull board suvey and estimates Y Fwd C&R-- Recommendations. 3/3	
155007	4-20	CO	Alterations; reqt reconsideration of disapproval of certain items.Y Fwd Dept-- Recommend tions. 5/19 RB 5/22 To Pug Sd-- Gives action on. 5/22	
170401	10-9	CO	Removal of trolley track main deck used for ashes.Y Fwd C&R-- Rec appvl. 11/12	
171647	11/18	Dept	Pug Sd directed to proceed with work, to be completed by Dec. 26th.Y	
171824	11/16	CO	Reports listof repairs to be made by ship's force.Y	
173578	12/8	Dept	WEST VIRGINIA; fwds report of board investigation on damage caused by CHATTANOOGA striking	477-8

1916

179393	2-17	Dept	Hull report; fwds. Y Fwd C&R--Noted. 2/18	
186956	4-26	M.(Is	Request vandykes of machinery plans. D M.Is asks when plans may be expected 8-11 TO -- fwds 8-23	

N.S.E. Form 134.

CHATTANOOGA: MACHY PLANT. 154-8

Number.	Date.	From or To—	Subject.	
190145	5-16	CO	Reugest evaporators be changed to double effect, fit water gage glasses; install Davidson evaporator feed pump and separator in vapor line.Y Fwd M.Is--For estimate and rec. 6/8 RB 11/6 To M.Is.--Reqt reply to reference 6/8. 11/2 To M.Is.--Work auth. 11/7 M.Is 11-9	
191127	6/7	CO	Fwds index and brief synopsis of important items that appeared in official bulletin	613
203635	~~10~~ 8-28	CO	Alterations; fit evaporators for double effect; gage glasses; new valve gear for, feed pump.Y	
203637	~~10~~ 8-20	CO	Alterations monel metal false seats for all valves, remove chains operationg boiler dampers, and install levers.Y Fwd M.Is.--For est. 10/30	
210000	12-18	CO	Submits list of repairs.Y Fwd Dept--1/4 Fwd Bd I&S--1/4 RB 2-12 Bd I&S will return when received from Sub-Bd 2/6	
210208	12-30	Dept	Directs material inspection M.Is.Y To Bd I&S--Fwds corres for use in conn with.1/3 Bd I&S returns correspondence 2/10	
212032	1-18	M.Is R Copy	Board has recommended thoro overhaul 6 mos; or temporary overhaul 90 days; recommends thorough. Y	

1917

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CHATTANOOGA: MACHY PLANT.

1912

Number.	Date.	From or To—		Subject.	
72431	6-26	Pug.Sd	3000	Reqt. machy plans. D To P. Sd. fwds. 8/22	
79935	10-2 10-9	Pug.Sd Dept	5907	Dock trial; fwds.Y	
83407	10-29 11-4	CO Pug.Sd		Repair lagging steam jacket cooker.Y	
84613	11-23	Dept	28365-12	Inspection held 11-4; fwds. Y Fwd S&A.12/11.	
				1913	
87405	12-20 1-8	CO Pug.Sd	7818	Reqt. section overboard discharge pipe and reepair dynamo engine.Y	
90110	1/29	C.O.		& ST LOUIS: report on readiness for battle	383--8
			1914		
114746	1-6	CO		Internal feed piping, and ash ejector piping; alterations.Y. Fwd Pug.Sd.instructions.3/12 RB 4 30	BELOW
119519	3-2	Co		Reqt change in lead of pump piping, and make alterations internal feed piping.Y CO fwd ash ejector satis 6-15	
114746		SEE ABOVE		To CO.reqst report on efficiency of change.4/30.	

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CHATTANOOGA: MACHY PLANT. 154-8

Number.	Date.	From or To—	Subject.
124639	5-5	Pug.Sd 16555	Machy plans; packing for engine, fire door, ash pan doors, ice machine, blow valves, boiler drums/D
14 0901	10/12 11/17	CO Pac Flt	Repairs to valves, crank pin ~~brasses~~ bearings, gaskets, boilers.Y To PS--Appvs. 12/3
141057	10/12	CO	Repairs to piping, distillers, valves, anchor engine.Y
141317	10-12	CO	Alterations to cross connection air pumps, pipes, to steering engine, relocate air compressors, new steel bonnets on valves; fit Davidson valve gear to pumps.Y Fwd Dept-- Recommendations. 12/9 Fwd Dept-- Recommendations. 12/9 To PS Via CO--Gives work authorized. 12/11
141921	12-12	Dept	Directs inspection at Pug Sd. Y To Bd I&S-- Fwds repair papers. 12/15 Bd I&S 1/19--returns papers.
142668	12-15	CO 1915	List of work to be done by ships force. Y
144103	1-9	Dept	Repair limit extended Jan 3
144190	1-11	Bd I&S	Material inspection.Y
147446	2/12	Pug Sd	Report of board of estimates.Y Fwd Dept-- Recommendations. 2/23 To--Gives work appvd & disappvd. 3/3
147752	2-12 12-18	Pug.Sd Dept	Report of board estimates sent on 12.Y Fwd Dept-- Noted. 2/20 To-- Item 15s disappvd. 4/12

Pug Sd 4/5 Lists disappd items on report of Bd which had previously been started or completed under previous authority from Bu.Y

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CHATTANOOGA -- MACHINERY PLANT : GENERAL

FILE No.		From or To— (Dated)		Subject.
28227	12/28	Pug.Sd.	3833.E.10	Cost of work, authorized under Survey To -- Indirect charges auth.1/5
41665	6/12 6/20	Pug.Sd. C&R	17082-E-171	S.E. work in connection with C&R repairs. Y Fwd Dept.Rec appr.6/22. RB 6-24 a'ppd To Puget. Apprd.6/26. Ret C&R. 6/26.
42858	6/29	Pug.Sd	2409	Repairs to water pumps, valve bodies, boilr brackers, etc.Y Fwd Dept. Rec authorization.7/10. RB 7-12 a'ppd To -- Apprd.7/13.
44014	7/14	Pug.Sd	1922	Corrects figures for authorized work.Y
48274	9/9	Dept		Survey C&R and ORD; Rept. report as to cause of delay in transmitting papers, held up between SE and C&R from May 3rd to Sept.5.Y Ref. Dept. via Ord. fwd. to Ord. May 11 - 9/11
56018	12/8	Pug.Sd.	4386	Item 37 on survey---overhauling auxy condensers together with their air and circ.pumps. Submits revised estimate.Y Fwd Dept-Rec.appd.12/14. RB 12-16 a'ppd To--Appd.12/16.
				1912
71814	6-22	Dept	17437-85	& GALVESTON: to be placed in second reserve immediately. Pug.Sd. rept. instructions re appropriation against which to charge equipage.K (T)to Pug.Sd.Instructions.6/22.

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CHATTANOOGA: MAIN ENGINES:

1912

Number.	Date.	From or To—		Subject.	
59419	1/18	Pug.Sd	247	Repairs to main engines.Y	
59697	1/20	Pug.Sd	342	Cylinder liners, main engine; manufacture. Y	
62337	2-24	Pgg.Sd	1172	Rebabbitt stbd thrust bearings; est. Y	
63908	3-13	Pug.Sd	1523	Main engine l.p. valve balancing gear; est. for connecting with condenser.Y-D	
				1913	
94078	3-8 3-29	CO Pug.Sd	9441	Install new circulating coil in port main engine thrust box. Y	
100039	6/17	Pug. Sd		4-hour trial, re failure of engines to use steam	154--2
				1915	
149569	3-13	CO	T	Reqt IP valve for port main engine.Y To NY--Reqt manuf of. 3/13 To S&A-- Reqt for shipment. 3/13 NY turned in 3-16 To--(R) Ready shipment NY 26th. 3/20	

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CHATTANOOGA: MAIN ENGINES. 154-9

Number.	Date.	From or To—	Subject.	
		1916		
185862	4-17	CO	Reports on accident to stbd main engine; blew out cylinder.Head.Y To--Noted. 4/28	
		1917		
223941	4/19	Pac Flt T Copy	Delay for waiting for spare piston rings.Y	
243911	8/16	To CO	NY is repair yard for present. Directs Norf retain crank shaft at yard for present.	154-8
265244	12-3	CO	Manfg metallic packing.	154-8
350442	9-17	CO CANCEL	Request piston rods for main circulating engine fwds print To CO, Fwds print re above, 9-24	
		1920		
477467	1;26 1;29	CO European Forces	Request manufacture one rotary clutch drum.Y	
		1921		
601327	12/12 12/20	Bos S&A	Request disposition of engine capstan from SANDS turned in by CHATTANOOGA YR	689-1

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[OVER.]

CHATTANOOGA: BOILERS: ETC: 1921

Number.	Date.	From or To—	Subject.	
559010	3;31 4;20	European Forces Dept	Fwds report of Bd Investigation on condition of boilers.Y	
560678	4;20 4;26	JAG Navgn	Report covering condition of boilers on board.Y Fwd Navign 5/4	

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Number.	Date.	From or To—	Subject.	

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CHATTANOOGA: BOILERS?ETC:

Number.	Date.	From or To—	Subject.
475632	1;21 1;22	CO European Force	Request machine two new sheets for distiller.Y
479506	2;10 2;11	CO European Forces	Request weld crack in leg of No.5 boiler.Y
487234	3;11 3;18	CO European Forces	Submits report on inspection and condition of No.1 boiler.Y
488122	3;30	CO	Request rivet and calk patch on low pressure evaporator.Y
490199	4;6	European Forces	CO requests refit and calk low pressure evaporator.Y
490987	5;1	European Force copy To S.C. F.S.Base - No further action your part necessary. Bu arranging for shipm of cross box. 5-4 S&A-copy of action to FSB-5;6-Y	Request B&W boiler be sent at once.Y To S&A - Req. shipment cross box from Ports to CO. Y serial 2618. 5-3 Phone F.S.Base. 5-4
491480	5/3	Flt Supply Base	FSB-confirms telephone conversation-5;4-Y Confirms telephone conversation in connection with shipment of B&W cross box for installation on - Y
492379	4;23	CO	Request weld crack in lower front cross box No.3 boiler.Y

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154-10
N.S.E. Form 134.

CHATTANOOGA: BOILERS ETC. 1920

Number.	Date.	From or To—	Subject.
490987	6-30	SEE OVER	To SO Brook Reqst to be advised re receipt and dispn of cross box CC CO Y. RB-7;21-Y CO-Cross box reshipt to PANTHER. 7/31 Y
508755	7;28	European Forces copy	Request 1000 hand hole gaskets be shipped at once.Y Fwd S&A. 8-2 S&A-copy of shipment order covering hand hole gaskets from FSB to CO-8;4-Y
525514	10-27	To S&A	Reqst shipmt of boiler parts from Norf to CO 4967 Y RB 2/9/21
526038 CO-6;23-Y To CO 6/28	10-30	To S&A	Reqst shipmt of condenser tubes from Brook to CO 4988 Y RB 2/9/21 To CO Main Co densers rel retubing of 11-1 cc Operns- Comdr- PITTSBURG) - CHATTANOOGA 11-1 To C-I-C Hamp Rds Adv re receipt and dispn of material cc CO 12-28 RB 1-4/21 CO-2p11-Y
529175	11;14	European Forces	copy Vessel requests B&W boiler tubes be shipped.Y
529343	11-16	To S&A	Reqst shipmt of tubes from Norf to CO via NARS 5179 Y R 2/9/21 Fwd S&A. 11-16
533305	1;5	Naval Supply Depot	Calls attentionx to descripancy in height of side box for B&W boiler submits sketch ofY&D To SO Brook Reqst inform 1/11/21

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[OVER.]

CHATTANOOGA: BOILERS: ETC.

Number.	Date.	From or To—	Subject.	
283612	2/21	Chasn	Asks where can obtain boiler tubes requested be ship - Y To(T)-4" boiler tube available any other navy yard east coast vessel should obtain when near one. 2-23 & CO	
313838	6-7	Phone N Y	Re ship's requisition for boiler uprights and commenting on same Y Phone NY re above, 6-7	
356073	10-8	Phone NY	authorizes issue of boiler tubes without cutting Y	
375262	12-7	Phone NY	Comments re boiler tubes,Yb	
380121	C12-20	CO	Repairs to boilers	Y

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154- 10 CHATTANOOGA: BOILERS: ETC.

Number.	Date.	From or To—	Subject.	
381023	12;26 12;27	CO At. Cruiser	Req. renew shell and front head of 1 Navy Standard evaporators Y	
382013	1;1 1;2	CO At Cruiser	Rea. oxyaccetylene weld crack in front head casting in number one evaporator Y	
388194	1;20 1;22	CO At. Cruiser	Req. lag #1 evaporator be covered with galvanized iron Y	
CHAT 172	4-30	To S.O. South Brook	Shipt of spare boiler material. Yh copy to CO.	
CHATT 172-	9-13	Fwd S.O. FSB via 3rd Dist.	Shipment of spare boiler material.	Yh-R
475634	1;19	CO V O I D	Request renew discharge line from distiller and flushing line-renew gears for lathe carriage,etc.Y	

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[OVER.]

CHATTANOOGA: BOILERS: ETC.

Number.	Date.	From or To—	Subject.	
748 NY	7-2	B&W	DENVER & CHATTANOOGA: headers ready for shipment; asks ifdesire to change orders.	629
748 NY	7-9	B&W	Certain material shipped June 30th	629
252457	10/3	To NY	Spare boiler material for.	184-10
255298	10/17	CO	Reqt authority to increase working pressure in evaporators and run double effect, on account of limited amount of coal that can be carried.Y To--Auth pressure of 50#.10/18 CO - test of No 2 evaporator shell - fwds report 11/6 N	
257952	10/22	NY SEE BELOW Fwd Dept- 11-15 R B 12/15 To Cruiser Force. Reqts fwd	Reports on examination of boilers.Y Fwd Dept, 12-18. correspondence to hasn Yard. 12-24	
260475	11-4	CO	Repairs to pressure exhaust main suction line evaporators - Y	154-8
265244	~~XXX~~12-3	CO	New tube sheet for distiller.	154-8
257952	12-27	SEE ABOVE	To CO (T)-Wire chas special boiler and other material required for urgent repairs. 12-27 Com. Cruiser Force 12/26	

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CHATTANOOGA: BOILERS. 154 -- 10

1917

1918

Number.	Date.	From or To—	Subject.
270727	1-2	Chasn T	Bricks required for repairs to main boiler; asks if available at some other yard. Y
		To Ports. RB. 2-14 Y	CO--Gives estimated loss of bricks in removing. 1/4
		wd Chasn- 2-21	
		Norf - fire tile shipped 1/19 - 2/26	To (T)-Fire title for being investigated you will be informed. 1-3
		wd Chasn 2-28 R B 3/11	To CO- Wire immediately number and kind fire tile requiring renewing in all boilers gingin mfgs drawing number. Bu plan 16-1-390. 1-3
		To Charlestown - 2-21 RB 3-5.	Chasn (R) relative to fire tile necessary to renew 1-4
			To Norf- List fire tile needed. 1-5
			To Ports- ditto 1-5
			To Boston-ditto 1-5
			To NY-Ditto 1-5
			To Phila-ditto 1-5
			Phone Ports- will issue shipt order latter. 1-8
			Norf--5000 item one only. 1/9
			NY--1/9 (T)
			Boston-1/9(T)
			Phila-1/-(T)
			To S&A-Reqt shipt 210 fire tile from Norf to Chasn- 1-10
			To Chasn- List fire tile necessary. 1-10
			To NY- No reqts to be made from NY yard. As shitlw to be made from Nof. 1-10
			To Boston-ditto to Ny. 1-10
			To Phila- ditto above. 1-10
			To S&A-Reqt shipt fire tile from Ports to Chasn. 1-10
			Norf - 1/11 - Y
			To Norf 2-14
			To Ports 2-14
281049	2-12	Charleston T-R	Request recommendations relative to securing boiler tubes. Y
			To (T)-Should obtain spare boiler tubes when near Norf or NY or Ports. If urgently needed for repairs secure from Norf. 2-13 & CO

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[OVER.]

CHATTANOOGA: BOILERS: ETC.

Number.	Date.	From or To—		Subject.	
56017	12/8	Pug.Sd.	4387	Inswinging furnace doors for; submits increased estimate.Y&D Fwd Dept-Rec.appd.12/14 RB 12-15 a'ppd To Pug.Sd-Appd.12/16.	
56375	12/13	Pug.Sd.	4424	Submits estimate for replacing defective 2" tube.Y Fwd Dept-Rec.appd.12/19 RB 12-21 a'ppd To--Appd.12/21.	
57721	12/30	Pug.Sd.		Submits estimate for renewing all 2" tubes.Y (T)to---appd.1/5. Fwd Dept.1/6. RB 1-6 a'ppd	
56912	12/19	Pug. Sd		& GALVESTON Relative to overhauling boilers and final setting of safety valves	212--10
58765	1/8	Pug.Sd	79	Fit additional zincs on drums of.Y. Fwd Dept.reqst appr.1/17. RB 1-19 a'ppd (T)to---appd.See 58764-212-10. 1/17.	
61008	2/6	Pug.Sd		& GALVESTON: furnace castings for B&W boilers, fwds vandykes of those actually installed	212--10
62055	2-21	Pug.Sd	1122	Operating gear for boiler safety valves; est. for repairs. Y	
62338	2-24	Pug.Sd	1169	Test of boilers; est. for yard assistance.Y	

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N.S.E. Form 134.

CHATTANOOGA: BOILERS: 154-10

Number.	Date.	From or To—	Subject.	
66739	4-15	Pug.Sd 2150	Reqt. ash guards be fitted in fire rooms to prevent ashes and coal dropping on pumps.Y	
			1913 1914	
114746	1/6	C.O.	Internal feed piping, and ash ejector piping, alterations.	154--8
			1915	
164286	8-9	CO	Reqt relocation of evaporator and distiller plan.Y Fwd Dept--rec disappvl 8/27 RB 9/1 To Via Pac Flt-- Disappvs. 9/1	
164592	8-24	Pug.Sd	Ash ejector; fwds vandyke;proposed new nozzle.Y To--Appvs item (5s). 9/14	
171801	11/20	Pug Sd T-	Side panels, all boilers sprung; numerous leaks;in brick, bad condition.Y PS (T) gives sizes 11-24 To--(T)Auth urgent necessary repairs.11/24 Fwd J&A--Reqt shipment be expedited.11/26 To--(R) Cannot furnish fire brick during present visist ship; make temporary repairs ships force. 11/30	
	Pug Sd (T)Impracticble ship's force to repair. 12/1 Fwd Dept-- 12/4 RB 12/8 To Pug Sd--Appvs rec. 12/11			
172412	11-24	Pug.Sd	Gives number and size of fire brick required.Y Fwd Ports--Asks if can supply material.12/1 RB 12/10 To Ports--Bu will purchase material.12/10	
173012	12-4	Pug.Sd T	Reqt authority to remove fire extinguisher in connection with repairs.Y To--(T) Appvs. 12/6	

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[OVER.]

N.S.E. Form 134.

CHATTANOOGA: AUXILIARY MACHINERY 1920

Number.	Date.	From or To—	Subject.	
478658	3/1	To Chattanooga	Type GG power boat engine 2861 installed hull 3288 instead of 3299- Y	611-2
482604	3/19	C&R	Copy letter to Phila assigning 33' steamer to CHATTANOOGA: Y	611-1
486028	4/6	C&R	33' steamer 1138 assigned to CHATTANOOGA Y	611-1
495707	5/22	Phila (?)	35' steamer 1139 completed and assigned to CHATTANOOGA: Y	611-1
512967	7-18	CO.	Reports transfer of boats to GALVESTON.	611
513655	8-25	C&R.	Instructions to Adriatic forces re transfer of boats.	611
516080	9/8	C&R	Assignment of steamer 1138 to CHATTANOOGA 5037 now on vessel Y	canc 611-1
516363	7/23	GALVESTON	Reports transfer of boat to CHATTANOOGA Y	611
516446	9/8	C&R ERROR	HENDERSON 40' steamers 15043 15044 to be turned in at Phila yard Y	611-1
516446	9/8	C&R	CHATTANOOGA directs shipt of steamer 1138	611-1

154-11

CHATTANOOGA: AUXILIARY MACHINERY 1920

Number.	Date.	From or To—	Subject.	
517791	9/17	C&R	Reports transfer of boats from GALVESTON to CHATTANOOGA: Y	611-2
517791	9/29	To Co CHATTANOOGA	Dispn of machy on condemn of Hull Reqst report be submitted Y	611
572069	6/29	To CO CHATTANOOGA	Type GG engine 2861 number of hull in which installed Y copy C&R	611-6
576396	7/23	Fwd C&R	CHATTANOOGA 35' motor boat 3431 whereabouts 30' motor launches etc Y	611-2
576396	7/4 7/20	C&R Boston	In conn with 35' motor boat 3431 for	611-12
579371	8/5	C&R	Copy of letter to Turkish forces asking if 35' motor boat 3431 was turned in by CHATTANOOGA or Galveston Y	611-12

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CHATTANOOGA: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
			1914	
128929	7/2	C&R	Assigns steamer 1934 now building M. Is. in lieu of 449	611-1
134040	9-9	To Norf.	Send name plate for eng. 2249	611-2
135157	9/22	C&R	Assigns steamer 1934 to CHATTANNOOGA and cancels assignment to CLEVELAND	611-1
			1915	
143626	12/28	M Is	Reports receipt of boiler 1339, steamer 449	611-1
144236	1/5	CHATTANOOGA	Reports changes in machinery	611-1
			1916	
200587	8/24	CO	Assigns motor sailing launch 2266 in lieu of 1897	611-2
			1917	
218799	3-15	CHATTANOOGA	Rep-rts turning in motor boat 1897, engine 2249 receipt of motor boat 2266, eng 2513,	611-2
218960	3-20	C[illegible]	CHATTANOOGA: assigns motor sailing launches 1385 and 6.	611-2
225083	4-27	To CHATTANOOGA via SAN FRAN	Bu records shows that engine in motor dory 1076 is 3124 instead of 3127 as reported.	611-2
234709	6-20	C&R	CHATTANOOGA: auth M Is to do work on 1385 and 1386.	611-2
~~260158~~	~~10-12~~	~~Engxsh~~	~~C&Rxn~~	

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N.S.E. Form 134.
154-11

CHATTANOOGA: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
260150	11-10	C&R	CHATTANOOGA; launch 3288 assigned. Y	611-2
289134	3/5	CO	Repairs to ash ejector piping - Y o Dept. 3-15 Operation - Repair yard is NY - sometimes necessary to order vessel to other than home yard for repairs. Y 3-11 to Chasn- Trans to NY all uncompleted job orders. 3-21	
315251	6/5	USS CHATTANOOGA	~~Rqst authority to turn in engine 3134-~~ ~~To--If motor dory 1076 is turned into store~~ ~~authority granted to turn engine in with it~~ 6/13	611-2
316312	6/13	C&R	Copy of dispatch to CHATTANOOGA authorizing transfer of motor dory 1076 to NARADA	611-2
378899	11/29	CO	Repairs to ash ejector lines - Y To NY- Alterations reqted apprvd. 12-20 Copy to CO and C & T Force. 12-20	
438853	8/11	To CO CHATTANOOGA	Records show engine in hull 1386 to be numbered 2250, instead of 2254, also Ward G-1 boiler No 1916 installed in 33' steamer 1934- Y. cross to 611-2	611

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CHATTANOOGA AUXILIARY MACHY 1

Number.	Date.	From or To—	Subject.	
37702	5/2	C&R	BOATS: assigns 33' steam cutter 800 from Pug. Sd to:	611--1
			1913	
96133	4/18	Chattanooga	Have auth. delivery of motor dory 1076 now assigned Tatoosh.	611--2
99568	6/9	Chattanooga	Reqt engine for steamer 800 to replace 672	611--1
103012	7/31	Chattanooga	Reqt auth. to turn in engine 459, with condmned steamer 800	611--1
103259	8/8	C&R	Steamer 800 ordered turned in Pug. Sd. for sale. Issue replace to authorized.	611--1
✓ No #	8/11	To Pug.Sd & EO via Pug.Sd.	Steamer 800 condemned; authorized to turn into store G-2 eng.459 and boiler 1608. Y	
103815	Pug.8/12	Pug. Sd	Reports receipt of launch engine 451 from	611--1

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N.S.E. Form 134.

CHATTANOOGA 154--11

Number.	Date.	From or To—	Subject.	
103933	8/19	C&R	Reports assignment of steamer 447 to replace 800	611--1
104756	8/27	Pug.Sd	Reports receipt of boiler 1608 from,for sale	611--1
110086	11/12	To Chattanooga	Motor dory 1076, numbered reported inlog maker's number,	611--2
		1914		
120242	3/18	C&R	Have authorized converting sailing launch into motor sailing launch using machinery from 1385 or 1386; to be assigned to CHATTANOOGA.	611-2
No #	4/9	To Pug.Sd.	Survey 11: steamer 447, G-2 eng.416 and Ward G-1-sq boiler 1843. Rec disapproved. Engine 416 and boiler 1843 will remain assigned to steamer 447.	
122096	4/10	C&R	Directs conversion sailing launch 548 into motor sailing launch 1897 for CHATTANOOGA	611-2
122619	4/06	C&R	Auth issue steamer 449 to CHATTANOOGA lieu 447	611-1
122879	4/13	Pug.Sd.	GG engine 2249 issued for sailing launch 548	611-2
122878	4/14	Pug.Sd.	Boiler 1843; engine 416 turned in by CHATTANOOGA to be retained with steamer 447 for yard use	611-1
125943	5/28	To CHATTANOOGA	Omissions in log; steamer engine data	611-1

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[OVER.]

154--12

Chattanooga -- CONDENSERS

Number.	Date.	From or To—	Subject.	
56018	12/8	Pug Sd	Item 37, survey: overhauling auxly condensers	154--8
			1912	
			1913	
		1919		
NSA 288	1-28	To NY Phone	Yard advises can supply Admiralty metal tubes 129" long 10'-9" to fill reqn-	
CHATTAN OOGA NSA 288	1-31	To CO	Phone- Advises 1000 tubes for vessel, required shortly, 8000 tubes to completely retube vessel- reqst sampl be fwd-	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

154-13

CHATTANOOGA: HEAT-VENT REFRIG: 1921 DUPLICATE:

Number.	Date.	From or To—	Subject.	
545378				
			To Inspr brook ;Compressor connecting rod; ation appvd ;Returns sketch 2/18/21 Ds	Authoriz

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

CHATTANOOGA: HEAT.VENT. REFRIG. SYS. 1912

Number.	Date.	From or To—	Subject.
67971	4-29	Pug.Sd 2446	Change lead of cold air piping from refrigerating plant to scuttle butt.D
68204	5/7	To Pug.Sd.	Job Order 3D84/113: cost much in excess of usual cost of overhauling an ice machine; reqst statement of what work was done.I RB 5-28
			1913
94077	3-18 3-29	CO Pug.Sd 9438	Ice machine; install re-cooler on.D. To Pug.Sd. appd.4/4.
			1914
128478	5-31	CO	Refrig and cold storage plant inadequate.Y Fwd Dept via C&R.rec-appr.7/3. RB 7 18 appd Fwd Dept VIA C&R reqt reconsideration 7-17 RB 7 28 appd Fwd Pug.Sd.8/1. rb 12 7
135150	9-22 9-23	H.B.Roelker Brook 23	& DES MOINES: ice machine; recommends changes in: submits print.D To Brook-- (T)x Appvd. 9/28 Fwd Brook-- Appvd. 9/28 rb 9 30
136283	10-7	Brook	Ice machine; reqt prints for inspection purposes.D

N.S.E. Form 134.

CHATTANOOGA: HEAT: VENT REFRIG. 154-13

Number.	Date.	From or To—	Subject.	
136298	10-7	Roelker, H.B.	& DES MOINES: ice machine; fwds tracing.D	
136774	10-10 10 12	Roelker, H.B. Brook	& DES MOINES: fwds tracings of ice machine; showing proposed changes.D To Brook--Appvd. 10/20 Brook returns 10-28	
84	10/27	Fwd Brook	Ice machine; re beads before prelim inspection of tubing	629
		1915		
144104	1-8 1-9	Pug.Sd T Dept	Ice machine; reports receipt of; date of completion; re t be extended to Jan 23 to permit installation.Y Fwd C&R-- Noted. 1/11	
144480	1-14	CO T	Reqt authority to draw brass radiator from store to replaceiron; ships force to install.Y To Pug Sd-(T) Appvs. 1/14	
144997	1-13	CO	Reqt authority to install brass in lieu of iron radiators.Y	
155195	5-7	CO	Reqt authority to turn in iron radiators.Y To Via m.IS-- Appvs. 5/18	
		1917		
260473	11/8	CO	Repairs to ice machines - Y To NY- Alterations appvd. 11-15	
		1921		
345378	2;8	Inspr Brookn	Compressor connecting rod for Allen ice machine-fwds prints giving dimensions.YAD	

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[OVER.]

CHATTANOOGA: PROPELLERS:

Number.	Date.	From or To—	Subject.	
440854	8;6	CO	Fwds tracing showing corrosion of shafts.D To CO- fwd prints 8/26	
440964	7/31	CO	Submits detailed report covering corrosion of shafts - also work done to remedy. To CO- Steps taken to prevent corrosion of propeller shafts appvd. 9-15	
441764	8;25	NY	Details of angle bulkhead blade for main ac generator cable stuffing boxes-fwds prints.D	
441804	7;11 8;25	CO C&R	Requests overhaul sea valves and renew zincs-renew zincs on Burney gear,etc.Y Fwd ~~Nxxgnx~~ Operations-8;27	
444202	7;31	CO	Report regarding corrosion of shafts.Y	
510059	8-6	To N.Y.	Reqst info rel status of work CHATTANOOGA, spare propeller shafting machining of. Y N.Y.- States job order closed and shafts turned into store on account of receiving no inform from Bur. by 3/1. 8/21 Y To NY 8/24 N.Y.- Reply made 8/21 Y 8/26 NY-12;21-Y	

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N.S.E. Form 134.

15 -14: CHATTANOOGA: PROPELLERS:

Number.	Date.	From or To—	Subject.	
527536	10;4	CO	Submits report on condition of shaft and propellers.Y	

CHATTANOOGA: PROPELLERS & SHAFTING

Number.	Date.	From or To—	Subject.	
324112	7-9	To S&A	Rqst shipmt patterns from Inspr Bath to Phila Y To Phila, re shipmt of matl listed, 9-11 Shipment order July 19 RB To Phila 9-11 RB 9-21	
345303	9/6	To NY	Asks correct bal of right hand propellers CHATTANOOGA type	689-11
351190	9-21	Phone NY	Re machining of propellers for, at NY Y	
374427	11-29 11-30	CO Atl. Cruiser	To NY Phone- re condition of port prop shaft 1-14 Fwds report covering corosion found in shafts and recommendations in connection with Fwd. NavOper. 12-9 R B 1/2 Y Ins: Erie tel. nickle steel shaft can be shipped 12;18 Carpon steel shaft 12;31 ---- 12;12 Y To NY Re corrosion found in shaft 12-11 To NY Fwds. 1 vandyke of drawing. 12-11 To Insp. Erie (T) Asks how soon 1 stern tube shaft be readt for shipt. 12-11 Insp. Erie tel. shaft ready for shipment 12;18 req. instructions 12;14 Inspr. Erie Dec. 17 - Telegram - shipment order not yet received To Resident Asst. Inspr.-(T)-Wire when first shaft has passed inspection 12-13 Inspr Erie-T. One stern tube shipt. 12/19.	
		To Insp. Erie.(T) Gives ship. instructions 12-16 Phone Asks status of work on starboard propeller shaft.12-30 To Insp.Erie (T) Wire earliest del. date on 1 stern tube shaft 12-28 Fwd NY 1/3/19 Norf. copy of let to NY fwding correspondence 1;6 Y Phone NY- 1-17 Phone NY S.O.-1-21 TO NY 1;3 RB 4;2 with print and report on tail shaft. CO-7;17		
381405	12/28	Drpt	Ship available at NY for replacement of Srarboard propeller shaft and nec repairs Y	154-8
SE 1703	7/14	To S&A	Rec award to Erie Forge Co R	

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N.S.E. Form 134.

154 -- 14 CHATTANOOGA) PROPELLERS:

Number.	Date.	From or To—	Subject.	
395588	2-18	To S.O. Ny	Receipt of propeller blades and parts. Stock records. NY fwds stock card 3;3	
420919	5-1	CO	Submits report of exam and corrosion of tail shafts- Coating shaft with marline and coating marline w plastic bitumastic will protect - Y	
To I.M. Ny- Lists propeler shaft forgings on order for with Allis-Chalmers Co Contract 995.	8-12		To I.M. Ny- Recommends that yard undertake immediate mfg of machining of two propeller shafts. 6-16 N Y 7/9	
420611	5-26	To S.O. Ny	Shafts, Stern Tube, Gives corrections for stock records. Yh N.Y.- Fwds stock card - 5/28.	
995	6/7	New York	Fwds inspection delivery notice for CHATTANOOGA. Y.	629
995	6/18	N.Y	Fwds changes of material sheet covering stern tube shaft for CHATTANOOGA. Y.	629
432549	5;1	CO	Submits report on corrosion of tail shafts. Y	
	6;18	European Forces.	To European Forces)-Vessel to be dock at first opportunity and shafts servedd with either Marline or with insulated taps. copy to CO. 7-17	
European Forces docking report. 8;8				

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CHATTANOOGA PROPELLERS & SHAFTING 1912 2

Number.	Date.	From or To—	Subject.	
58721	1/15	To Pug SD	& GALVESTON: Job order 3d179-111 and 3D197 -113, reqts information as to cause of difference in cost of material.	212--14
59772	1/27	Pug.Sd 371	Propeller measurements; fwds.D	
			1913	
91425	3/1	To Pug. Sd	& GALVESTON: phafts, forgings in stock, asks if of uniform diameter throughout.	212--14
97788	5/21	To NY	Plans 22-A-10 and 46, prepared at NY yard; discpreancies in dimensions of shafting at hub; rec be corrected.D NY plans traced from working drawings at Crescent Ship Yd. 5-24	
			1917	
230961	5/18	CO	Reports striking some submerged object and binding propellers Y To S&A--Reqt give shipping instrns by telegraph. 6/1 To S&A--8/15	
247279	9/4	To Cramps Co	CHATTANOOGA CLEVELAND DENVER DES MOINES GALVESTON & TOCOMA, Composite propeller. Reqt ests covering manuf.	697

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N.S.E. Form 134.

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CHATTANOOGA: PROPELLERS & SHAFTING.

Number.	Date.	From or To—	Subject.	
32806	11-10	Hyde, Windlass Co.	Propeller blades for CHATTANOOGA class; request inspector be sent to examine pattern before casting of propeller. S	629
32806	12-4	Inspr Bath	Two propeller hub castings passed inspection for CHATTANOOGA Class. S	629
266461	12-11	To Bost NY	CHATTANOOGA & Class. Composite propellers for. Fwds blueprint of. Ordered from Hyde Windlass Co. DY	697
270235	12/28	CO	Request spare propeller blades now at NY be shipped to Chasn. Fwd S&A-12-31 NY - Y - 1-24 RB 2-1 Fwd Chasn 1-29 R B 2/8 Fwd S&A- 2-11	
282673	2-14	To Chasn	Spare propeller blades - If new blades now on hand are to be installed repair and place in good condition those removed. Chasn - no old blades removed - one repaired and one re-installed - Y To- Advise if one port and one starboard propeller are on board and if not what disposition was made of them. 4-9 RB 4-20. Y CHATTANOOGA: - Report 2 spare propeller blades on board. Y 4-22	
320245	6-25	To N Y	Rqst print covering propeller ~~surf~~	
323286	7-5	To S&A	Rqst shipmt patterns from M Is. to NY Y To NY, Rqst if above shipt, 10-3 To NY- ~~Asks if patterns have been recd~~ 12-3 RvBn 12/19	

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CHATTANOOGA: PROPELLERS: SHAFTING:

FILE No.	From or To— (Dated)	Subject.	
33693 3/8	Pug.Sd 863-E.11	Blading; reports receipt from NY Yd. without being machined and fitted; submits estimates for doing work. Y Fwd Dept.Rec auth.be granted to machine 3/15. R.B.Appd.3/17. To -- Auth.3/17.	
39015 5/11	Pug.Sd 1694	Stern tube shafts; submits prints and est.Y Fwd Dept.Rec be renewed. 5/19. RB 5-22 a'ppd To -- Estimate increased.6/2.	
No # 6/9	To S&A	Reqn.328; bids for 2 stern tube shafts; Rec award to Midvale Steel Co. 9.9¢ lb.	
42680 6/26	Pug.Sd 863	Recommends repairs to propellers. Y Fwd Dept. Rec appr.7/10. RB 7-12 a'ppd To -- Apprd 7/13.	
44901 7/24	Pug.Sd 2822	Work on propeller blades; reqt. that be stricken from charges against repairs to vessel. Y Enc with 44938 to Dept.8/8. To---See 44938-154-14. 8/10.	
44938 7/24	Pug.Sd 863	Blades; submits estimate for stbd.Y To---Fwd Dept.Rec Puget.be auth.to mfr.three starboard blades.- To NY via S&A. Reqst shipment of patterns to Puget Sd.8/8. RB 8-10 a'ppd To---Mfr 3 starbd blades auth. Set of spare recd from NY to be retained as spares.8/10.	

1912

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CHATTANOOGA: PIPING SYSTEM.

1912

Number.	Date.	From or To—	Subject.
61291	2-10	Pug.Sd 766	Make connections for supplying live steam for disinfecting fresh water system. Y C&R reqst ret.3/20. Fwd C&R.3/27.
			1913
			1916
198556	8/15	CO	Run branches of reserve feed bottom filling line into double bottoms.Y Fwd C&R--9/7
204600	10-17	CO	Change lead of distiller discharge piping.Y Fwd M.Is.--For est and rec. 11/6
		1914	
388867	1:21 1:25	CO At Cruiser	Req. renew brass casting on aux. steam line to evaporator and renew valve pipe in starboard evaporators Y

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

CHATANOOGA: ALLOWANCE: 1920

Number.	Date.	From or To—	Subject.
478289	2;11	CO	Request additional money allotment of $1300.00.Y Fwd S&A. 3-1
498432	5/21	CO	Reqst additional money allotment be made - Y Fwd S&A. 6-10.
512963	7/14	CO	Rqst addtl money allotment. Y To S&A. REcomds addnl allot of $225.00 for first quarter 1921 be granted CHATTANOOGA 8-25 To CO disappvd 8-25 CO-10;21-Y Fwd S&A. 11-24
526097	10;20	CO	Request action in connection with addtl money allotment.for 1st quarter.Y To CO Gives action 10-25
545310	1;25	CO	Request increase in quarterly money allotmt.Y To CO Allotment authd cc S&A 2/17
3 552213	3;1	CO	Request inc in quarterly money allotmt.Y To CO Allotmt authd cc S&A 3/26
570202	6;17	CO T	Reqt addtl money allotment.Y To CO (T) Approved cc S&A 6/18 To CO Gives action 6/24 CO 6/30 Y

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

CHATTANOOGA: ALLOWANCE.

Number.	Date.	From or To—	Subject.
		1916	
200057	9-5	Co	Request change in size of fans.R Fwd M.Is-- 9/26
209592	12-16	CO	Request authority to turn in boat engines and ice machine spares,etc.R To--Grants auth. 12/27
		1917	
237928	7/9	CO	Request packing rings for ice machine be added to allowance list R To--Adds to allow.7/12
247358	8/31	CO	Request portable gas analysis outfit be added to allowance list R To--Disappvs.9/7
		1918	
271380	1-5	To CO	Allow lists changes. Giveschanges. R
		1920	
471285	1;1	CO	Req t addtl money allotment of 500 dollars.Y Fwd S&A. 1-26

N.S.E. Form 134.

CHATTANOOGA: ALLOWANCE 154 — 21

1918

Number.	Date.	From or To—	Subject.	
287366	3-5	CO	Request increase in money allotment. R To S&A- ecommends increase in quarterly money allotment of $250. 3-9	
312001	5/10	CO	Request additional money allotment - R Fwd S&A 6-1	
329228	7/19	CO	Request $600 money allotment - RA Fwd S&A 7-25	
329222	7/19	CO	Request $1600 additional money allotment - RA Fwd S&A 7-26	
378214	1/4/19	To CO	Fwds allowance books CO 5/7. To CO- Fwds appvd elec allow lists. 6-18 To CO- Advise if allow books received. 8-13RB-9;26,	
398367 6	2;26	CO	Submits req. for increase in money allotment Y Fwd S&A. 3-3 Fwd S&A. 3-3	
437055	7/29	M Is	Copy of letter to Bost fwding allowance lists- Y	
442067	8;20	M IS	Copy of letter to Boston fwding allow list. Y	

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CHATTANOOGA: ALLOWANCE.

1913

Number.	Date.	From or To—	Subject.
88938	1-18	CO	Reqt. authority to add blinker light for night signal set.L To Pug.Sd/ via S&A.appd.2/5.
89187	1-28	CO	Recommends addition of fans and ammeter. R To S&A, for Pug.Sd.amendments.2/19.
95150	4/11	CO	Requests addition of portable buzzers.L To Puget Sound--Add 4/23
97293	5-8	CO	Reqt. addition of micrometers and die nuts.R To Pug.Sd.additions.5/15.
		1914	
119349	3-2	CO	Reqt increase in money allotment $200.R Fwd Dept.rec appr.3/9. S.S.S. 3/4 appd To---appd.3/13. Fwd S&A.3/13. RB 4 1
120771	3-18	CO	Reqt permission to turn in 8 magazine lanterns and strike from allowance. R To Pug.Sd.appd.3/26.
130287	6-6	CO	Reqt authority to turn in portable deck lantern.R To---appd.7/20.
137697	10-8	Co	Ret addition of elec fans. L

N.S.E. Form 134.

CHATTANOOGA: ALLOWANCE 154-21

Number.	Date.	From or To—	Subject.
139720	10-15	CO	Reqt authority to turn in unnecessary stores.R Fwd S&A--Recommendations. 11/17
			1915
145534	1-21	CO	Reqt addition of elec fans. R To Via Pug Sd-- Add to. 1/28 To Via Pug Sd-- Elec lists; fwds blanks for preparation. 3/25
155730	5-14	CO	Fwds R To--Returns with changes. 5/26 To--Add to. 6/1 To--Returns list for changes. 6/15RB corrected 8/24 To--approves and fwds blanks 8/26
157292	6-4	CO (2 letters)	Reqt additional valve reseating machine. To-- Add to. 6/14
157954	6-9	CO	Reqt list; fwds.R To Via Pug Sd--Returns appvd.6/22 RB 7/14
164157	7-24	CO	Reqt increase in money allotment. R Ref. Dept. aaccounting methods not d satisfactory 8-24 RB 8/28 Fwd S&A--8/30
167523	9-20	CO	Reqt authority to transfer certain radio material to Title A or increase in money allotment to cover. WT To Via S&A--Authorizes. 10/13
			1916
178727	2-14	CO	Reqt addition of ash sprinkling hose to allowance.R To-- Add to. 2/15
197059	8-26	CO	Reqt increase in miney allotment.R Fwd S&A 8-19

NB—0120

[OVER.]

154--21
CHATTANOOGA: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
41632	6/21	To S&A,Puget, C.O.	Spare parts for motor geenerater added.R	
53205	11/3	Puget Sd. 4042	Asks when revised may be received.R To---Copy fwd;reqst recommendations.11/14. Fwd Ord.11/14.	
54351	11/16	Puget Sd. 4190	S.E.-Equipt. Forwards for approval.R (T) To-Appd.12/2.	
			1912	
58228	1/5	Pug.Sd 18	Recommends addition of glands for aux. stuffing boxes to.R To---via S&A.appd.1/17.	
58852	1/11	Pug Sd	GALVESTON: recommends additional fire control telephones	212--21
58850	1/20	To Puget Sd.	Copies of appendic forwarded; instructions for distribution.R BLRB 2-8	
59420	1/18	Pug Sd	& GALVESTON: recommends safety lamps be eliminated from	212--21
59775	1/23	Pug.Sd 388	Reqt. authority to add salvo contact makers.R To---via S&A.addition made.2/3.	

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CHATTANOOGA: ALLOWANCES. 154--21

Number.	Date.	From or To—		Subject.	
59853	1/29	To Puget Sd via S&A.		Change; fire control telephones.R	
58775	2/24	To Puget Sd via S&A		Wrenches added.R	
63359	2-21 3-4	Pug.Sd S'A	2226 106338	Reqt.R Ret Pug.Sd.Dircts list be made to agree with GALVESTON'S. 3/12. RB 4-5 To Pug.Sd.via S&A. fwds lists.4/6.	
69157	5-15	Pug.Sd	2856	Reqt. valve springs, be omited.R To---via S&A.omitted.5/25.	
74121	7/19	Pug.Sd		& GALVESTON: allowance books, eliminate disconnectors.	212--21
76078	8/13	Pug.Sd.	4776	Allowance; recommends wrenches be changed.R To P. Sd. via S&A amend. 8/22	
76020	8/14	Pug. Sd		& GALVESTON: reqts boiler ferrules be eliminated.	212--21
82628	11/4 ?	CO C&R	9850-E.78	Signal lanterns. To Pug.Sd.via S&A. directs amend list from electric to combined oil and electric.--Ret C&R.11/21.	
				1913	

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[OVER.]

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1915

CHATTANOOGA: AIR COMPRESSORS.

Number.	Date.	From or To—	Subject.	
155246	4/22	CO	Relocate air compressors; reqt.Y Fwd Dept-- Rec disappvl· 5/19 RB 5/21 To Disappvs· 5/21	
313096	5/16	CO	Relocate air compressers- Y Fwd C&R 6-7 RB 6-13 To C O, authorizing alterations 6-13	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

154--24

CHATANOOGA: Gages and Instruments. 1917

Number.	Date.	From or To—	Subject.	
257669	10/25	CO	Regt engine room clocks.Y To- Directs surveyand if condemmed new clocks may be obtained. 11-2	
272828	1/4	CO	Overhaul engine room clocks - Y	
377899	12;13	CO	Repairs to steam gauge Y	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.
351855	9-1	Mare Isl.	Quarter Ending 7-30-17 Y
359556	?	CO	Quarter ending 9-30
			1919
384935	1/1	CO	Quarter ending 12/31 - Y
421037	5-1	CO	Quarter ending 3/31/19 - Y
437418	7;1	CO Buffalo	Quarter ending June 30.Y
450237	10-1	USS BRIDGEPORT	Quarter ending 6/30. Y
453110	10-1	CO BRIDGEPORT	Quarter ending 9-30. Y
			1920
469241	1;1	CO BRIDGEPORT	Quarter ending December 31st.Y

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154-25: CHATTANOOGA: RECORD OF WORK:

Number.	Date.	From or To—	Subject.	
491094	4;1	CO	Quarter ending March 31st.Y	
508052	7;1	CO PANTHER	Quarter ending June 30th.Y	
512987	6/30	CO	Quarter ending 6/30. Y	
528687	9;30	PANTHER	Quarter ending Sept 30th.Y	
530902	11;1	CO	Quarter ending Sept 30th.Y	
545358	1;1	CO	Quarter ending Dec 31st.Y	
561365	4;1	CO	Quarter ending March 31st.Y	
577597	7;1	CO	Quarter ending June 30th.Y	

CHATTANOOGA: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.
102087	7-17	Pug.Sd	Aug.10/10 to July 5/13. Y
122677	10-4	Pug.Sd	Aug 10-10 to Sept 30. Y
122877	4		
115538	1-14	Pug.Sd	Quarter End. Dec 31.Y
122824	10-4-13	Pug.Sd	Aug 10-13 to Sept 30-13. Y
122677	4-16	Pug.Sd	Quarter engine ~~Dep~~ Mar 30.Y
122992	4/4	Pug.Sd.	Quarter ending March 31st.Y
125853	5/22	Pug.Sd.	Mar.31 to Apr.28.Y
126801	6/1	M.Is.	May 1 to May 14.Y
147991	1-23	Pug.Sd 12-18 to 1-23	
		1914	
176925	1-18	M.Is	July 10 to July 29.Y
178032	1-29	Pug Sd	Jan 23 to Dec 27
1813781 VOID	3-4	M.Is	June 4 to June 22

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1917

CHATTANOOGA: RECORD OF WORK.

Number.	Date.	From or To—	Subject.
231854	5/29	Key West	~~May 17th to June 2nd Y~~ Cancelled
240038	7/21	Key West	Record of work up to July 20th Y
240124	--	CO	~~Quarter ending June 30th Y~~
256025	--	CO	Quarter ending September 30th Y
275892	?	CO	Quarter ending Dec 31-Y
299426	4-15	CO	Quarter ending 3-31. Y
329055	7-1	CO	Quarter ending June 30th. Y

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[OVER.]

Number.	Date.	From or To—		Subject.
527540	9;2 10;5	CO H-6 Naval Det Turkey	2/21	Various material.Y
542776	12/7	CHATTANOOGA	12/7	Bars, Gauge Y
551480	2/16	CHATTANOOGA	14/21	Condensers Y
552299	1/15	CHATTANOOGA	13/21	Ventilating sets Y
552474	3/10	CHATTANOOGA	15/21	Telephone Y
571675	6/24	Boston	17/21	Vise Y
574918	7/11	Boston	1/21	Reflector light, Lanterns Y
575040	7;13	CO	1/21	Elec matl.Y

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Number.	Date.	From or To—	Subject.	

154-27

CHATTANOOGA: SURVEYS: 1920

Number.	Date.	From or To—		Subject.
471373	12;5	CO	4-20	Piston rods.Y
471374	11;27	CO	3-20	Bulb and telephones.Y
471372	12;5	CO	5-20	Drums.Y
478283	1;27	CO		6;20 Jack boxes.Y
478269	2;7	CO	7;20	Gauges.Y
480370	2;12	CO	8/20	Tube expander.Y
488194	3;31	CO		Copy of letter to Lieut.C.L.Hansen,Navgn fwding copy of survey for statements.Y CO-4;13-Y
492332	3;30 Fwd CO 5-11.	CO	9/20	Various material.Y Chattanooga 7/8 Y
492331	3;30	CO	10/20	Variousmaterial.Y
492321	4;12	CO	11/20	Various material.Y
492329	5-11			Fwd to CO. Y.

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1820

154-27: CHATTANOOGA: SURVEYS:

Number.	Date.	From or To—		Subject.
	3;30	CO		
498716	6;8	N London Sub Base		9/20 Various material.Y CO-7;8-Y
508527	6;26	CO	16/20	Metallic rings.Y
508528	6;14	CO	15/20	Propeller·Y
508529	5;7	CO	14/20	Gauges.Y
508530	6;31	CO	13/20	Boiler boxes.Y
512964	7-14	CHATTANOOGA	3-21	Breast drill; Y
513846	7-27	CHATTANOOGA	4-21	Canvas hose; steam gauge; Y
522121	9;11	CO	8;21	Boiler box and connecting rod.Y
525080	9;23	CO	9;21	Steam gauge.Y Fwd CO 10-30 RB 3/16
525078	9;11	CO	8;21	Boiler box and connecting rod.Y FwdDetachment in turkish waters 10-30 RB 3/16
525079	8;31	CO	7;21	Generator and ~~xxxxxx~~pinwrist pin bushings.Y

CLEVELAND: SPECIFICATIONS: ETC.

Number.	Date.	From or To—	Subject.	
75866	8/10	CO	Requests copy of spcfns.D To - fwds. 8/16	
			1913	

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1913

1912

Number.	Date.	From or To—	Subject.	

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[OVER.]

CLEVELAND : ELEC PLANT 1918 DUPLICATE

Number.	Date.	From or To—	Subject.	
293881		OLD NUMBER	To CO 5-6 RB 5-20	
359353	10;9 10;15	CO At Curise	Req. install calebrate air meter for storage battery changing panel. Remove all telephones jacks and telephones etc L	
422970	5-22 6-3	CO Dept	Rqst renew IC cable on voice tube circuit overhaul revolution transmitters, etc. W To Bd I&S- Fwds correspondeche cbpy to CO. 6-9 Bd I&S--Returns correspondence.7;15	
431954	7-9	CO	Rqst alterations in spring thermostats. L To CLEVELAND Disapproves replacement 7/18	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

CLEVELAND: ELECTRIC PLANT.

Number.	Date.	From or To—		Subject.	
59912	1/22	M.Is	600	Estimate for testing out before commissioning.L	
64795	3-22	M.Is	2406	Estimates for installing additional bells and lights in connection with space for GSK system.L Fwd Dept Recom. 3-29 RB 4 Appd To---appd.4/2.	
				1913	
				1914	
97080	1/12	To CO		ETC: Fire control telephone system: fwds print for comment as to whether preferable to system proposed.	164-3
251696	9/10 9/26	CO Chasn		Alterations - install additional switches, voice tubes, etc - L To Chasn and CO—Gives action on.10/10 To C&R—Recommendation re voice tube install. 10/11 Chasn - fwds plan of proposed magazine lighting circuits, with estimate 11/19 L To(T)-Estimate covering two master switches appvd. for control lights after and fwd magazines of. 11-24	
				1918	
293881	3/26 3/30	CO C&R		Request permission to turn in elec wire - L Fwd via NY- 4-6	

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19138 1918

Number.	Date.	From or To—	Subject.	

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CLEVELAND: TRIALS, etc

Number.	Date.	From or To—	Subject.	
56662	12/18	Nav	& DENVER: ordered placed in commission reserve, M.Is. Jan.2, and Feb.1st	184--2
			1912	
61776	2/9	C.O.	Placed in 2d reserve,M.Is. Ap.8	438--2
			1913	
		1920		
499865	6;15	Pac Flt copy	Request vessel be authorized to omit engineering performance trials.D&S	

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1913

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
549094	3;1	C&R	Copy of letter to Boston auth work in connection with alterations to voice tubes.L	
594050	9;30	CO	Reqt extend buzzer circuit so as to provide a salvo key in fire control station.L To Spec Svc Squad Extension of buzzer circuit disappvd cc CO 11/12	
594049	9;30 10;24	CO Atl Flt	Reqt instal telephone circuit to parallel voice tubes to 6 pound battery L To Spec Svc Squad Instln disappvd cc CO 11/10	
594048	9;30 10;15	CO Spec Ser Squad	Reqt instal salvo bell circuit for 6 pound battery.L To Spec Svc Squadron Instln disappvd cc CO 11/12	
594691	9/30 11/5	CO C&R	Request install addtl voice tube between fwd and after spotters. L Fwd C&R 11/12 C&R-Copy action to MI 11/18 L	
		1922		
606449	1/11 1/25	Boston C&R	Subm estimates cov voice tube alterations. L Fwd C&R 1/28	

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CLEVELAND INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
608512	2/7	C&R	Copy of letter to Boston stating addtl voice tubes will not be installed at this time. L	
631048	6/20	CO	Install bell cir uit from check fire control station and main top to 6 pound gun. L **To CO- via Spec Svc Squad Instln disappvd 7/10**	

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[OVER.]

CLEVELAND: INT. COM.

1916

Number.	Date.	From or To—	Subject.
198567	8/14 8/30	CO M Is	Rewire thermostat system. L To M.Is--Disappvs. 9/15
200231	9-1 9-22	M.Is C&R	Fire control voice tubes; plan(~~Not reed.~~) Fwd C&R--Satis to Bu. 10/11
			1917
226934	5/2	CO	~~Request copy of equipment letter giving~~ list of fire control telephones L To--Adds telephones spares to allow. 5/16
238287	7/12	C&R	Alterations to voice tubes and install target bearing indicator on both search lights L To--Gives action on. 7/20
244214	8/15	O	~~Fire control voice tubes - fwds prints with~~ recommendations L Fwd C&R--8/21 R B 11/17

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CLEVELAND: INTO COM SYS. 162 — 4

Number.	Date.	From or To—	Subject.	
248509	9/12	To Chasn	Fwds plan showing fire control systems. LY Chasn-Salvo system ok.9/19.L	
251347	9/20 9/25	CO Ordn	Reqst be supplied with storage batteries for fire control telephone circuits - L To- Reqt disappvd. 10-4	
251696	9-10	CO	Alterations; install additional switches, voice tubes, etc.	162-3
252255	9/25	Chasn	Alterations - install voice tubes from after deck signal station to radio battery desk L Fwd C&R--10/8	
262511	11/22	Chasn R	States cease firing gongs not recd - request authority to install dynamotor circuits - L To (T)-10022 volt cease fire gongs appvd.	11-23
289239	3-13	Dept	Relocation of guns Nos. 3 and 4. L To NY- Directs that the director follow-the-pointer system be installed. 3-23	
327630	7-19	To CO	Re quarterly report of Elec Plant L	

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[OVER.]

CLEVELAND: INTERIOR COMMUNICATION SYSTEM.

Number.	Date.	From or To—	Subject.	
54569	11/16	Mare Is. 11303	Overhaul engine room gongs--mechanical. Y Fwd Dept.11/28. RB 12.2 appd To-Appd.12/2.	
55635	12/1	Mare Is. 11827	Repairs to mechanical fire room telegraph. Y Fwd Dept-Rec.appd.12/11. To--Appd.12/13.	
58009	12/30	M.Is.	& DENVER:states int.com. circuits are energized by 1/4 hp dynamotor, recommends call for 2 kw motor generators be cancelled and stricken from list.	184--4
			1912	
59534	1/17	M.Is.	& DENVER: reports status of work of installing dynamotors for energizing int.com. circuits. practically finished before instructions were received to install motor generators.	184--4
64525	3/25	To M.Is.	& DENVER: voice tubes, req list of all installed	184--4
65653	3-29	M.Is 3150	Install w.t. telephone in GSK Dept.L Fwd Dept. not rec.4/8. RB 4-10 To---disappd.4/11.	
66401	4/9	M.Is.	& DENVER: voice tubes, fwds print covering installation	184--4

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CLEVELAND 162--4

Number.	Date.	From or To—	Subject.	
70643	6/7	C&R	& DENVER: voice tubes, states those going thru w.t. compartments must be fitted with w.t. mouth pieces.	184--4
72892	6-29	M.Is 6406	& DENVER: voice tubes; list; fwds.L	
			1913	
108494	10/22	To Mare Is.	Fire control installation: asks what remains unfinished, and requests recommendations.L RB 11 13	
113684	12-19	M.Is 13122	Engine order telegraphs; change in dials; L	
113679	12-19	M.Is	Helm angle indicators; change in dials. L	
			1914	
97080	1/12	To CO	ETC. Fire control telephone system; fwds print for comment as to whether preferable to system proposed.	184-3
122154	4-3	CO	Reqt delivery telephone material for fire control system be expedited.L Fwd NY.reqst del.material be expedited.4/15 RB 4 24 Ret CO VIA S&A 4-24 rb 69	
138519	10-22	CO	Spares for old style fire control telephones; reqtauthority to turn in. L To-- Authorized to store. 11/3	
197716	8-7 8-25	M.Is C&R	Voice tube work deferred until vessel available for examination.L Ret. C&R 8-29	

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CLEVELAND: INTERIOR COMMUNICATION SYSTEM.

FILE No.	From or To— (Dated)	Subject.	
31303 1/24	M.Is. C&R 17826-E.263	& DENVER: Reqst recommendations re retention of indicators in pilot house; long arm system. L.	184--4
32861 3/3	TO M.Is	& DENVER: Fire control system; fwds drawing and reports number of telephones ordered. L	
34260 3/13	M.Is 2486	& DENVER: Fire control system; reports number of head sets required. Also re phones reported at searchlights.L. Ret -- Instructions.3/28 RB 5-10	
35522 3/29	M.Is.	& DENVER: fire control system voice tubes: calls attention to certain omission on Bu. plan covering communication between torp. defence station and searchlight.	184--4
39206 5/8	M.Is 4275	Voice tube; fire control system; invites attention to additional, required for torp. defence. L Fwd Dept via C&R. Rec appr.5/22 RB 6-2 a'ppd Fwd C&R. Noted.6/3.	
40116 5/20	M.Is 4781	Reqt. authority to cancel job order covering installation of conduit, etc. for L. Fwd C&R.6/2. RB 6-7	
38356 6/5	C&R	& CHATTANOOGA: power doors	154--4
54001 11/10	M.Is	W.T. door indicators; fwds prints proposed arrangement. L Fwd Dept-Rec.appd.11/27 RB 11-29 a'ppd	

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162-5

CLEVELAND: ELECT LIGHT & POWER 1922

Number.	Date.	From or To—	Subject.	
647860	11/8	Fwds S&A	Incadescent lamps- submits recomdn co Spec. Svc. Squad.- CO I R	

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
647860	10/24 10/28	CO Spec Service Squad.	Rqsts 80 volt 25 Watt be kept in stock for vessels in special service.	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

1914

CLEVELAND::LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.	
123605	4/27	To CO	Dynamo engine valve stems; request sketch of.Y CO fwds sketch 6-26	
133884	8-19	CO	Old type night signal keyboard and starting panel and dough mixer; reqt authority to turn in.L To-- Granted. 9/10 Fwd C&R-- 9/10 rb 9 16	
			1915	
170925	10-29	M.Is	Laundry; incidental elec work; est and plans.L To-- Appvs. 11/11	
			1917	
210145	12-12	CO	Estimate for installing man overboard and break down lights.W To M.Is.--Appvs est. 1/6	
237240	7/3	Co	Request 12 inch signalling search light L To NY--Install appvd.7/10	

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CLEVELAND: LIGHT & POWER SYSTEMS. 162 - 5

Number.	Date.	From or To—	Subject.	
260012	11/10	CO	Reports ardois signal set turned in - L	
333694	7-26	CO	Atlantic Cruiser Aug. 2, submits information in regard to breaker on board.	
34479	8/8	~~To S&A~~ Inspr Pitts	Copy of letr to Inspr E.ir asking when motor generator sets for CLEVELAND will be ready for delivery L	629
433785	5:20 5;27	CO Dept	Request instal lights listed.L	
490254	4;12 4;21	CO M IS	Request renew wiring and replace with standard fittings and fixtures from ship fitters bench also renew wiring of laundry irons.L To M Is- Installation of two lights over shipfitter's bench appvd. copy to CO. 4-30	
556510	4;11	M IS T	Request authority to complete work overhauling dynamo engines.L To MI (T) Appvd 4/11	
566706	5;25	M IS	Submits estimates covering instaln of lighting circuits in sick bay,L To MI Grants Authority cc CO 6/7	

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CLEVELAND: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.	
39608	5/16	M.Is. 4677	Reqt authority to overhaul dynamo, and gives estimate. L Fwd Dept. Rec appr.6/2. RB 6-3a'ppd Fwd M.Is. 6/5. RB 6-23	
54770	11/21	Mare Is. 11546	Request authority to install charging station for gun firing storage batteries, and charging panel with ammeter for ship's battle circuit.L Fwd Dept-Rec.appd.12/1. RB 12-4 a'ppd To-Appd.12/5.	
54951	11/4	Pug. Sd	& CHATTANOOGA states have projectors without mirrors, (searchlights) and reqts instruction	154-5
55127	11/27	Mare Is. 11568	SEarchlights; repairs to two 30".L Fwd Dept-Rec.apd.12/5. RB 12-7a'ppd	
			1912	
58027	1/6 1/8	Bogue Chas.J.Co Washn PO	Searchlight mirror reqn. 207; re test of; asks if inspection will include photo test.L-S To Washn.Requirements.1/9.	
58694	1/2	M.Is.	& DENVER: only 1 night signal set on other vessels of class are furnished; recommends allowance be changed from 2 to 1	184-5

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CLEVELAND 162--5

Number.	Date.	From or To—	Subject.	
59164	1/16	Pug. Sd	Searchlight: for be delivered at Pug. Sd to replace one issued to that vessel	708
✓ No #	1/24	To S&A	Reqn.207, Bu. NSA: requests change ultimate delivery of 30-in parabolic searchlight mirror from Mare Island to Puget Sd.yard.	
68828	5/6	NY	& COLORADO: mirrors, Platt & Co. reqns 207 reports inspn do not compare either in quality or workmanship with standard Schuckert Mirrors.	& 235, 166--5
			1913	
99481	6/4	Cleveland	Keyboard altered by crew.	711--1
✓ 110466	9-16 11-6	CO M.Is 11468	Reqt. 50 volt D-C rotary converter ~~for~~ be installed.L Fwd C&R.noncurs in rec be not appd.12/8 RB 12 18 To M.Is.disappd.12/19.	
			1914	
✓ 115017	1-13	M.Is 11734	Laundry outfit; estimate for elec work. L Fwd Dept via C&R and Y&D.with rec.1/16.	
✓ 122353	4-7	CO	Reqt new keyboard; night signal set.L To---& S&A submit reqn. Request shipment of set, NY to M.Is.4/15.	

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[OVER.]

CLEVELAND: RADIO:

Number.	Date.	From or To—	Subject.	
552029	3;16	M IS copy	Request authority to issue type CN portable radio set to.W To MI (T) Appvd cc CO 3/18	
		1922		
CLEVELAND	20 Eng 22 1/30 To S&A		Portable field radio set Gives instrns rel WR cc CO	WR
615015	3/25	To Boston	Radio apparatus- Ask if receivers were issued to ship and nameplate data thereof W R Boston 3/29 W To USS CLEVELAND- Rqsts inform on receiv- 34 4/4 W CO 4/7 W To S&A- Appvd 4/22 W cc CLEVELAND. Boston 4/25 T Reports substitute receiver W To S&A desires receiver be issued cc CO 5/1 S&A 5/6 Copy of shipment Ord covg receiver from Washinton to Hamp Rds for CLEVELAND W	
645619	10/3	Spec Ser Sqn	Copy of letter to CO rel to exorcising more supervision over expenditure of radio material W	

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N. Eng. 134

CLEVELAND RADIO 1922

Number.	Date.	From or To—	Subject.	
654036	12/7 12/16	CO U.S.Fleet	Fwds sketch rel to elimination of sound proof booths W	

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[OVER.]

CLEVELAND: RADIO.

Number.	Date.	From or To—	Subject.
275940	1-19 Charleston 1-28	Chasn	Request new spark gap and wave changer. W To (T)-1-26 Appvd issue. To (T)-Reqted issue Edison battery 6 volt. 1-26 To -(T)-Chasn reqted issue battery 6 volt Edison·1-26
276410	1-24	C O	Copy - request issue of Edison batteries.W
276865	1-27	Chasn R	Asks action taken on installation of small main yard for auxiliary antenna.W
276976	1-28	To Chasn (T)	Mfg aux antenna for auth. Install to be made by ship's force Sailing not to be delayed. 1-28 W
277580	1/26 Charleston Jan. 28	Chasn	Telephone conversation relative to installing wooden yard arm for auxiliary antenna - W
279891	1/14 2/4	CO Chasn	Request repairs to radio. To S&A-Reqt shipt 5-kw wave changer complete from NY to Chasn. 2-23 To CO, Rqst if radio recd, 10-3
289674	3-15	CO	Requests 5 kw wave changer at Charleston be sent to NY. W To(T)-Wave changer is now held at Navy Yard New York for. 3-20

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N.S.E. Form 134.

CLEVELAND; RADIO. 162 - 6

Number.	Date.	From or To—	Subject.	
292668	3/25	CO	O - 5 - KW wave changes - asks what disposition to make of. To- Reqts turn into store old 5kw wave changer into nearest yard for further shipt to Radio School Harvard. 4-1	
388043	1;22	C&R	Fwds copy of tel. from Pittsburg in connection with reduction of heighth of masts of CLEVELAND and TACOMA W Fwd C&R. 1-25	
401368	2/2	Pacific Flt	Report of inspection of radio apparatus on DENVER & CLEVELAND - W.	184-6
USS CLEVE	82 & 47 5-29	To NY	Has no record of either reqn, approves issue to, of 15 spark gap plates reqstn, reqst fwd cpy of reqn. W	
492421 To M Is.	5;8 (T)	CO and CO. Issue set. 5-10.	Request authority to draw portable radio field set in advance of approval of reqn.W	
549629	2;1	CO See also Delaware 549629. 182-6	Atl Flt submits report on accident to TC apparatus.W To Inspr GE. Ack receipt of report 3/14 Inspr GE-contrs reqt serial numbers of generator-3:24-W To CO DELAWARE-Reqst inform cc Inspr GE 3/29 To Inspr Ge Co/Reqst detld report be furn 4/29	

[OVER]

CEEVELAND: RADIO

1914

Number.	Date.	From or To—	Subject.	
141744	11-30 12-8	M.Is C&R 27659-E.17	Radio room: prints, estimates, etc. W. Fwd C&R--Work authorized. 12/10 To M.Is--(T)Authorized· 12/10	
			1915	
146515	7-27	To M.Is.	Desire install radio set; asks if available apparatus now used for exposition purposes.	772
163991	8-16	M.Is	Estimate for installing Lowenstein radio set ex Panama Exposition.W. Tp M.I. appvd. desire to keep set at Exp. To C.O. have appvd. installation 8-23	8-23
165833	9-7	M.Is	Reqt drawings and operating instructions for Lowenstein set assigned to. W Fwd NY--Furnish drawings/9/15	
167470	10/5	M Is T	Reqt authority to exhibit K&C set in lieu of one taken for CLEVELAND	772
170152	10/25	M Is	GLACIER; estimate for installing 500 cyl radio set ex CLEVELAND	216-6
171889	11/12	M Is	Reports leaving Telefunken and IP76 receiver and Telefunken wave meter on board when new set was installed·W	
187911	5-15	M.Is T	Request authority to install 7 wire antennae and vertical gap.W To--(T) Authorized. 5/16	
194467	7/10	M Is	Radio installation; alterations; fwds vandykes.W To-- Authorized, 7/28	

N.S.E. Form 134.

CLEVELAND: RADIO. 162 -- 6

Number.	Date.	From or To--	Subject.
198558	8/23	CO	Request authority to turn in Telefunken transformers.W To Via M.Is--Appvs.9/11 1917
218024	3-7	M.Is	Reports transfer of table radio set from CHATTANOOGA.W. To--Issue auth.4/9
235195	6/25	To CO	NSE 25-B and Bu records differ. Reqt further information. W CO 7/5 W
248556	9/12	To S&A	Reqt shipt of receiver from Wash to Chasn for.W To CO--9/12 To S&A- Reqt of shipment of receiver from Wash to Charleston for CLEVELAND. 9-13 CO--9/19. To S&A- Reqt shipt radio appa,audion control box from Wash to. 9-21 To Charleston- Gives action. 9-21 To Co- Gives action. 9-21 Chasn 10/1 To NY- Reqt be informed if coil is available and if not length of time for its mfg. 10-1 NY - 10/9 W To NY--Directs manuf loading coils.10/11
275214	1/14	CO	Overhaul radio installation.W

NB--0120

[OVER.]

CLEVELAND: WIRELESS:

Number.	Date.	From or To—	Subject.	
61033	2-12	Dept	& DENVER: M.Is. reports non receipt of sets.W To---Delivery overdue.2/14. BLRB 2-21 To---10 working days sufficient to install.-- Fwd M.Is. via NY. 2/21. RB 3-19	
66781	4/20	Dept	Directs wireless sets be expedited fo	876
	6/6	M.Is.	Reqst auth.to provide.W	
71098	6/14	To Mare Is. T	DENVER: Installation of radio authorized; charge to Eq. Steam 1913. W To---Request estimates.6/27.	
73352	7/5	M.Is. 6548	& DENVER: Radio sets; submits estimate for installing.W To---appd.7/17.	
74069	7/23	To M.Is.	& DENVER: Directs old radio sets which are being replaced, be not turned into store except by specific direction of Bu.W BLRB 8-12	
81264	10/30	To CO	Primary variometers: request full report as to causes of, burning out.	904
84545	12/7	Telefunken Co.	Defective VARIOMETERS issued to: & DESMOINES, Gives probable cause of trouble but will not make any charge for new.	904
			1913	
117060	2/7/14	To S&A	Reqt shipment of 2 Kw motor generator and 2 Kw transformers to M.Is. for	876

NB—0120

N.S.E. Form 134.

CLEVELAND: RADIO 162-6

1913

Number.	Date.	From or To—		Subject.	
87452	12-31	CO		Description.W.	
91329	2/24 2/27	NY S&A		Re veriometer and condenser for.W Ret S&A.requests those removed be shipped to NY - contract 14747. 2/28.	
112695	12-2 12-13	M.Is C&R	12422 27659-E.11	Increase mast height for radio purposes.W Fwd C&R recom 12-16 for TACOMA & DES MOINES Ret C&R.12/24	
			1914		
117072	2/7	To Mare Is.		& DENVER: Bu has requested shipment from NY to Mare Island of 2-kw motor generator and 2-kw transformer.W (See 117060-876) To M. Is.auth.to rewind motors 4/3	
117060	2/7	To S&A		Reqt shipment of 2 Kw motor generators and 2 Kw transformers from NY to M.Is.	876
122632	4-16	M.Is	T	Reqt authority to replace variometers with coupling helix. W (T)to---appd.4/17.	
123308	4/24	M. Is.	T	States BUFFALO has transferred one set to CLEVELAND; requests shipment of one set for BUFFALO.	897
132853	8-11	CO		Reqt authority to increase height top mast, antennae, new radio room. Y To S&A-- Req shpmnt from NY to Clev of radio material. 8/25 Fwd Dept via C&R-- 8/25 To MI-- Appvd. 9/3	

NB—0120

[OVER.]

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CLEVELAND: SIGNALS: SUBMARINE.

Number.	Date.	From or To—	Subject.	
249018	9/13	Chasn R	Submarine signalling set - asks when may be expected - L Mast - (T) expect to ship 15th - L 9/14 To Mass (T) Expidite shiptment sub signal app. 9-14 To (T) Notifies of above action. 9-14	
282400	2-15	Sub. Sig. Co.	Fwds. inspection report. L.	
314900	6;7	Sub Sig Co	Fwds inspection report covering inspec of receiving apparatus on Cleveland, Proteus, Minn and Mass. L	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.
641893	9/18	CO CLEVELAND	Fwds report of inspection on transfer of Engineering Dept. Y
649509	9/30 11/13	CO C&R	Submits report on material readiness Y Fwds Operns via Ordn 11/23
652129	12/1	Boston	Special report on unfinished job at time of departure of vessel Y

Number.	Date.	From or To—	Subject.	

CLEVELAND MACHRY PLANTS GENERAL 1921

Number.	Date.	From or To—	Subject.
599660	12/2 12/9	Boston C&R	Inspection by Board I&S not required at this time - report on condition of. Y Fwd Oprns 12/12 RB 12/24 y Fwd C&R 1/5/22
603669	1/9	Boston Copy	Request auth to dock vessel. Y
604304	1/12	Boston	Copy of letter to C&R rel to docking vessel for repairs. Y
607423	2/1	CO	Cpy of letter to Dept submitting report on preparation for post repair trial. Y
621981	3/31 5/5	CO Dept	Submits report on material readiness Y Fwds Oprns-via Trun-C&R 5/9

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N. Eng. 134

162-8

Number.	Date.	From or To—	Subject.	
630530	6/20	CO	List of work to be performed by ships force Y	
635296	5/19 7/28	Pacf Fleet C&R	Subm report of inspection.Y Fwds Operns via Ordn Navign-S&A- Med & Surgy 8/21	
637333	8/12	Beard IS	Instructions in conn with matl inspection Y To d I&S- Fwds corres 8/18 Bd I&S- 9/15 Y	
641178	6/30 9/12	CO Ordn.	v Subm report on material readiness.Y Fwds Operns 9/29	
641581	? Bd	I&S	Report of material inspection held 8/29.Y	

4—3381

[OVER.]

CLEVELAND: MACHY PLANT: 1921

Number.	Date.	From or To—	Subject.
541147	1;18	Spec Service Squad copy	Vessel will proceed to Frisco for one months leave-then to M IS for repairs.A&Y
541384	1;19	Dept	Copy of telegram to spec service squadron three approving sending CLEVELAND to Portsmouth for repairs.A
541839	1;8 1;21	CO Dept	Report on material readiness.Y To Operns 1/25/21
541891	1;21	C&R	Copy of letter to M IS making vessel available latter part of Feb for docking.Y
546024	2;7	JAG	Fwds report of Court of Inquiry covering grounding of vessel.Y accidents Fwd Operns 2/15/21
552935	3;19	Dept	Copy of telegram to M IS extending date of completion to April 21 for repairs to anchor engine.A
557058	4;12	M IS copy	Starboard shaft bent-will delay completion until April 23.Y
557342	4;13	Dept	Copy of telegram to M IS extending date of completion to April 27th.Y

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CLEVELAND MACHRY PLANT

Number.	Date.	From or To—	Subject.
565661	?	CO	Report on post repair trial. Y
588370	10;2	Spec Ser Squadron copy	CLEVELAND will proceed to Guantanamo October 10th. Y
596037	11/15	C&R	Copy of letter to Boston directing inspect vessel with view to holding material inspection by Board I&S. Y
595097	10/25 11/12	Atl. Fleet C&R	Subm report of inspection. Y Fwd Oper'ns via Ordn - S&A Med & Surgy - Navign 11/23
597887	11/28	CO	Report on inspection of vessel upon assuming command. Y
598599	12/2	Boston	Report on condition of hull fittings Y Fwd C&R 12/6

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[OVER.]

CLEVELAND: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
482509	3;19	M IS T	Asks if estimates were submitted by any east coast yard for work incident to matl inspection.Y To(T)-No. 3-20	
484396	3;23	CO	Submits report of inspection of material under Bureau SE.Y CO-3;23-Y	
484586	3;29	Dept	Copy of telegram to M IS making vessel available for authorized repairs.A	
486895	4;3	M IS	Submits report of estimates incident to material inspection.Y Fwd Dept. 4-21 RB-4;28-Y To Mare Island- Work to be carried out in accordance with Bu 1st end. copy of which is enclosed and appvd by Dept. copy to CO. 4-29	
494288	5;17	C&R	Copy of telegram to M IS authorizing docking.Y	
495457	6-16	Fwd Dept	Survey RequestY. Cancelled See 162-27 To Dept-6;16-RB-6;22-Y	
502128	6;29	CO CLEVELAND copy	Request orders.A	

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N.S.E. Form 134.

162-8:CLEVELAND: MACHY PLANT:

Number.	Date.	From or To—		Subject.
502496	6;29	Dept		Copy of telegram to M IS directing perform no work on board except what is necessary for preservation of vessel.A
507976	7;12 7;27	CO C&R		Report on material readiness.Y Fwd Operns 8-2
517592	9;16	Operns	copy	Instrns to CLEVELAND to proceed to Guayaquil for Centennial anniversary.A
522155	10;9	C&R		Fwds copy of letter to M IS directing make out job order cost summaries.Y
522440	10;11	Boston	Cancelled see 162-8	Submits report of engineering survey.Y To Dept 10-21-RB-11;3-YD&L
522897	9;30 10;13	CO Dept		Report on matl readiness.Y Fwd Operns 10-26
528216	11;8	CO CLEVELAND	copy	Vessel grounded apparently no damage.A
528796	11;11	CO	copy	Vessel hauled off of bank-by tugs-no apparent damage .A
528970	11;12	CO DOLPHIN	copy	CLEVELAND reports SCIOTA arrived at Cortargeoa.A

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[OVER.]

N.S.E. Form 134.

CLEVELAND: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
432065	7-9 7-11	Dept C&R	Submits report of inspection.	Y
433787	5;20 5;27	CO Dept	Request renew operations of water service on both main engines-overhaul port main circulating pump engine-encase all blower fans in fire rooms,etc.	
433728	5;20 5;27	CO Dept	Request renew parts of jacking engines-renew air fire and bilge pumps-renew valve stems,etc.	
433786	5;20 5;27	CO Dept	Request install reducing valve on steam line to laundry and install ash ejector,etc.	
433842	7;2 7;18	CO C&R	Report of material readiness for war service.Y Fwd Operations via Ordnance. 7-23	
435877	7;28	Boston	Copy of letter to Mare Island stating no outstanding job orders are at yard.Y	

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[OVER.]

Number.	Date.	From or To—	Subject.	
452857	10-20	Dept.	Vessel will be retained on Asiatic station.	A
454313	10/27	CO Copy	Vessel will be delayed due to repairs to leaky main condenser and renewal of water in boiler - AY	
460602	11/29	Pacific Flt Copy	Have ordered Destroyers listed to relieve CLEVELAND temporarily - AY	
471771	12;31 1;24	CO C&R	1920 Report on material readiness for war service.Y Fwd Operations. 1-27	
478395	2/27	Pac Fleet Copy	Recommends vessel be made available for docking.	
478878	2;27	Dept	Copy of telegram to Pac Flt making vessel available at M IS for docking and repairs.Y	
479561	3;3	Dept	Submits report of inspectionY Fwd Operations via Ord-S&A-C&R-M&S.	3-6
479941	2;27 3;5	CO S&A	Submits report on condition of vessel upon being relieved of command.Y fwd S&A via C&R 3/9 c py CO	

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CLEVELAND: MACHY PLANT. 1918

Number.	Date.	From or To—	Subject.
361055	10/19 10/21	CO Atl Cruiser	Request overhaul fresh water pump - overhaul spare part jacking engines - etc - Y
365400	11;2	Dept	Date for completion of auth. work extended to 11;12 A
369209	11;18	Dept	Date of completion at NY extended to 11-21 A
411206	2;17 4;14	CO Dept	Fwds Joint report of insp. of engineering Dept Y. Fwd Operations via Ordnance. 4-17
415854	3/31 5/3	CO C&R	Material readiness for war service-Y Fwd Operations via Ordnance. 5-6
420828	5-23	Dept	Instructions in connection with holding material inspection Y o Bd I&S Fwds correspondence. 5-28 Bd I&S-returns. correspondence 7-15

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
421894	5-20	CO	Request install reducing valve on steam line. To Bd I&S- Fwds correspondence. copy to CO.5-31 Bd I&S--returns correspondence--7;15	
428585	6-27	CO TACOMA - submts list of patterns for To CO Div. One USS CHICAGO via Operations. To CHICAGO(T)-Letter mailed this date giving detail instructions re spare parts to be taken on board for transportation West Coast. 6-28.	TACOMA & CHICAGO - 7/9 TACOMA, CLEVELAND, DENVER, CHICAGO, spare parts. Lists same to be taken on board before sailing for the West Coast. Yh Copies to CO Vessels. and Yds listed. Phone Comdt Ports. 7-3	RB 7/11 from Boston
429399	--	Div 1 Pac Flt 6/30 Movement orders for Bd I&S	Fwds report of material inspection held 6/9 -Y	
428585	7-1	SEE ABOVE	Phone I.M. Ny- Porppeller and Stern Tube Shaft.Y	
		Phone I.M. Ny- 7-2	Phone S.O. Boston. copy to Comdt Boston	
		Phone Comdt NY. shipt of prepeller chafts. 7-2 and CO TACOMA. 7-8		
		Phone Comdt NY. 7-2	Fwd S.O. Noston. 7-16	RB 7-21
		CO 7/2 -CO- Lists spare parts recd on Board. 7/7.		
		CO TACOMA 7/7		
		Bost 7/7 Confirms phone convsn in conn w propellers for- Y (Cross 162-14)		
		CO 7/8 CO-7;28		
432065	7-14	SEE CARD 9	Fwd Operations via Ordnance. Yo	

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[OVER.]

CLEVELAND: MACHY PLANT.

1917

Number.	Date.	From or To—	Subject.
262 0 82	11/15	CO	Renew tiling and brick work of boilers - also renew tubes, examine main bearings and rebore main engine cylinders - Y
265614	12-7	To Chasn NY - C&R- Dept	Transfer of uncompleted work to NY. Directs. Y Dept copy of dispatch to Chasn authorizing 1-22
275177	1-21	Phone Chasn	Urgent repairs. Directs matter of urgent repairs be referred to Dept by despatch. Y Phone-Lists repairs.- 1-21
275997	1-21	Charlestown Copy	Recommend approval of repairs to main engine piston rod and evaporator feed line.Y
305407	5-9	CO Cleveland	Copy - will arrive at Hampton Roads May 11th request coal and water put alongside - will require 15 days overhauling machinery. A & Y

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
1994	6/11	Fwd Com Di v 5 US Atlantic Flt---Asks where del desired for matl for CLEVELAND		1994
341880	8/16 8/24	CO Atl Cruiser	Request rebabbit all main engines excentric straps - renew lines and propeller shafting - etc - Y	
348941	9-14	C&R	Incidental S. E. work in connection with installing dishwashing machine - Y	
357443	10;10	Dept.	Circular - ship will be available Oct. 14 for docking and replacement of broken shafts Y CO. copy of 10;12	
359355	10;12 10;15	CO At. Cruis	Req. rebore all HP & LP valve shaft li ers taxap renew suction feed pump etc Y	
360002	10;16	CO	Repairs to propeller shaft bearing valves Y	

4—3381

[OVER.]

1916

6

CLEVELAND: MACHY PLANT.

Number.	Date.	From or To—	Subject.
200442	9-27	Dept	Repair limit extended Nov 21. Y
			1917
219807	3-4 3-19	CO M.Is	Man overboard and breakdown lights; tile and fire brick for boilers uncompleted when vessel left yard.Y Fwd Dept--3/29 RB 4-4 To S&A--Reqt spare material under SE for, Be shipt from M.Is. to Norf for. 4/9 To M.Is.--Directs transfer job orders to Norf.4/9 To S&A--Reqt delivery of repair material be diverted to Norf.4/9 M Is - (T) states material shipped May 14th Y6/15 To S&A--Reqt tubes be shipt to Chasn.6/14 To S&A- Reqt shipt material to Chasn for as soon as possible.6/15 To M.Is.--Reqt details of shipt to Norf for.6/14 To Norf--Directs transfer outstanding job orders on to Chasn. 6/16 ~~To Chasn--Instrns re assembling material.6/16~~ ~~To Chasn--Directs inform Bu when all material is assembled.~~ To Norf--Directs transfer job orders immediately.7/3 Norf - 7/6
253969	10/9	Dept	Dec 1st date of completion Y

NB—0120

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N.S.E. Form 134.

CLEVELAND: MACHY PLANT.

Number.	Date.	From or To—	Subject.
238565	7/5	CO	Alterations - install additional distiller, install cross connection between main steam lines, install shields in forward fire room, install trap on line over blower engines, install connection on ice machine circulating water line Y To Chasn--Gives action. 7/18
245660	8/24	Chasn R	Recommends vessel arrive Sept 15th for repairs. Y Fwd Dept--8/25 R B 8/28 To Chasn--8/29
247671	9/6	Dept	Available for overhaul at Chasn about Sept 10th Y
247622	9/6	Phone Chasn	Yard will be ready first of next week to commence overhaul. DAHLGREN will not be sent to Chasn. Y
247823	9/7	To Norf	Directs transfer job orders to Chasn. Y

NB—0120

[OVER.]

CLEVELAND: MACHY PLANT.

1915

Number.	Date.	From or To—	Subject.
151014	3-20 3-29	M. Is Dept	Gives estimated time for work recommended by survey; piston rod and ice mach purchased on reqn. Y Fwd Dept Via S&A--Recommendations·4/1
163811	7/29 To M.Is--(T)Suspend work.10/1 CO objects postponement 10-5 Fwd M Is. 10/16 RB 12/20 To M.Is-- Appvs. 1/14	CO	Reqt alterations to hot well pump, piping, motor and power in machine shop, piping for main bearing water service.Y Fwd Dept 8-21 RB 8/25 To M Is 8/26 M Is (T) Recommends substitute alterations to suction piping after feed tanks, etc 9/30
166155	9-17	Dpt	Repair limit Oct 28
			1916
179380	2-17	Dept	Hull inspection.Y Fwd C&R--Noted. 2/18
183863	3/27	CO	Install Davidson valve gear, exhaust line for dynamo and miscellaneous piping; locate switchboard in radio room; install Blinker light, etc·Y
184763	4/13	Dept	To be inspected by Sub-Board at M Is.Y To Bd I&S--Fwds repair paper. 4/17 Bd returns papers 5/26
186972	5-3 5-5	CO T Dept	Ordered to M.Is for repairs stbd thrust bearing, port main circulating pump.Y Fwd Dept--Will direct boiler pressure be reduced to 240 lbs. 5/6 To CO--(R) Reduce safety valve to 240.5/6 To M.Is--(R) Proceed with repairs 5/6 M.Is (T) gives time 5-13 Fwd Dept 5/15 RB 5/17

NB—0120

N.S.E. Form 134.

CELVELAND: MACHY PLANT. 162-8

Number.	Date.	From or To—	Subject.
187947	5-13	M.Is	Probable date of completion May 27.Y
188032	5-15	Dept	repair limit May 27
189363	5-1	Bd I&S	Material inspection . To M.Is--Gives action on. 6/12
192475	6-24	M.Is	Report board survey and estimates.Y Fwd Dept-- Recommendations. 7/7 RB appd 8/17 TO M.Is instructions 8-19 Dept Oct 12 date of completion 8-24 To Dept. recomds. except boiler work 8-22
		TO S&A reqt shipment 8-23 To S&A cancels shipment order 8/25 To M Is 8/26	
195783	7/30	CO	Repairs to main engine valve chest; realign shafting.Y
197666	8-24	Operations	Copy of instructions to M.Is relative to repairs.Y
198343	8-14	CO 3 letters	Advance copy of repairs. Y
199290	8-25 9-5	M.Is Dept	Can complete all work listed Bd survey and estimates report with exception of 2 items on Hull.Y Fwd Dept--Noted. 9/15
200142	9-22 9-23	M.Is Dept	Recommends repair limit be extended to Nov 21.Y Fwd Dept-- 9/26

NB—0120

[OVER.]

CLEVELAND: MACHY PLANT. 162-8 1914

Number.	Date.	From or To—	Subject.
114533	12-24 1-7 1-9	M.Is 13334 Dept 16906-208 Y&D	Reports on unsuitability for duty as receiving ship; assignment of St LOUIS or MILWAUKE will necessitate quarterly dredging of slip to secure sufficient depth. Y Fwd Dept via C&R.2/2
117838	2-2 2-13	Co Dept	Reports on military efficiency and readiness for sea. Y Ret Dept via Ord.2/17
119582	3-1	CO	Reports on readiness for sea.Y Fwd Dept via Ord.3/11.
122076	4-4	CO	Reqt repairs to engines cylinders, piping, valves, evaporators. Y
123379	4/22	Mare Is. T	Commanding Off.reports defects# in vessel prior to going to sea.Y Fwd Dept 4-25
123894	4-22	CO	Reports on condition of vessel at time of commissioning.Y
132854	8-10	CO	Reqt repairs heating system, floor plates, main engines, piping,etc.Y Fwd MI-- For action. 8/25

N.S.E. Form 134.

CLEVELAND: MACHY PLANT. 162-8

Number.	Date.	From or To—	Subject.
133769	8-11	CO	Reqt alterations to drain line feed water heaters; shaft indicators, additional ice machine, exhaust line from gen sets; new packing piston rods, install forced lunrication system. Y ~~TO -- auth piston packing 9-9 TO M.Is for estimates 9-9~~
137619	9-29	CO	Reqt authority to turn in light control, elec heater, lub oil tank. Y To-- Granted. 10/23
138521	10-25	CO	Reqt repairs to piping, valves, ice machine, pipe lagging, etc. Y
138561	11-4	Fwd Dept Via Ord & C&R	Report of Readiness of Ship for Battle. Noted.
141036	12/2	Dept	To be inspected at Mare Is. Y
141122	12/3	Dept	Date completion Jan. 2nd. Y
141230	12-1	Bd K&S	Reqt repair papers. Y To--None on file. 12/5
143587	1-2	Bd I&S	Material inspection. Y
145022	1-9	M. Is	Report of boars survey an d estimates. Y Fwd Dept-- Recommendations. 1/26 To--Gives items appvd & disappvd. 2/27

1915

RP 127 aPPd

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[OVER.]

CLEVELAND: MACHY PLANT.

1912

Number.	Date.	From or To—		Subject.
75867	8/10	CO		Requests miscellaneous machinery drawings to replace those worn out. D To---Prints forwarded.8/19.
80099	9-14 10-5	CO Dept		Reports on operations and condition of ship. Y To M.Is.Reqst comment on certain items. RB 10-31 10/14. Ret Dept.10/14.
82931	11-18	CO		Report of new CO. W Fwd Ord.11/19.
86396	12-6 12-20	CO M.Is	11860	Make eccentrick sheaves for stbd ALP valve gear and install gratings from piping to after end of boiler. Y To M.Is.appd.1/2.
				1913
86542	12-4 12-26	CO M.Is	11906	Repairs to machine tools, oil gages, ice machines, and reqt. authority to dis-assemble engines for one month inorder to make changes in pistons. Y Fwd Dept.rec appr.1/4. RB 1 8 a'ppd To M.Is.appd.1/8.
91790	2-13 2-26	CO M.Is	2500	Repairs to main engines and realign shafts. Y (T)to M.Is.Items 3 and 4 appd; item 1 disappd.3/8. Fwd Dept.Request approval of Bt's action.3/8. RB 3 13 app'd

N.S.E. Form 134.

CLEVELAND: MACHY PLANT. 162-8

Number.	Date.	From or To—	Subject.
97288	4-30 5-12	CO Dept	Reports on readiness for battle.Y Ret Dept via Ord.5/15.
98175	5-17	CO	Report of new CO. Y Fwd Dept.desirable be ordered on short cruise.5/28.
101617	7-1	CO	Reports on military efficiency and readiness for sea.Y Fwd Dept via Ord and C&R.7/19.
103049	7-31	CO	Reports on readiness for battle.Y Fwd Dept via Ord and C&R.8/9
105019	9-1	CO	Reports on readiness for battle.Y Fwd C&R VIA ORD 9-9
106600	9-16 9-19	CO M.Is 9905	Repairs to feed pump, ice machine and water tank.Y To-- M.Is. athd 9/29
108321	9-30	CO	Reports on readiness for battle.Y Fwd Dept via Ord.10/21.
109560	10-31	CO	Reports on readiness for battle.Y Fwd Dept VIA Bus 11-6
138561	11-1	CO	Reports on readiness for battle.Y

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[OVER.]

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CLEVELAND: MACHINERY PLANT GENERAL.

2

Number.	Date.	From or To—		Subject.	
39415	5/15	M.Is.	4494	General Survey: gives list of work not included in, which has been authorized by Bureau. Y Fwd Dept. Rec appr.5/24. RB 5-26 a'ppd To -- Apprd 6/5.	
40117	5/25	M.Is	4773	Estimate for additional work lagging ice box, etc. Y Fwd Dept. Rec appr.6/5. RB 6-7 a'ppd To -- Apprd 6/8.	
44841	7/19	M.Is	6838	Revises estimates for repairs to air compressor.Y Fwd Dept.Rec appr.8/7. RB 8-8 a'ppd To---Appd.8/9.	
49618	9/26	Dept		& DENVER: date of repairs extended to Feb.1st and Jan.1st. respectively.	184--8
55857	12/4	Mare Is.	11968	& DENVER: Electrical and radiator work in connection with storeroom spaces,etc., recently installed due to GSK's system.Y Fwd C&R-Appd.12/18. RB 12-29 To--Appd.12/22.	
56535	11/29	M.Is		& DENVER: states dates for completion of work for remaining season, and recommends that work be dferred on vessels placed in commission in reserve. Dept directs deferring work	184--8
57152	12/18	Mare Is.		Submits estimate for cleaning and painting machinery, piping, etc. in engine and fire rooms.Y (T)to---authorized.12/29. Fwd Dept.reqst appr.12/29. RB 1-8 a'ppd	

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N.S.E. Form 134.

CLEVELAND: MACHINERY; 162-8

1912

Number.	Date.	From or To—		Subject.	
57903	12/28	M.Is	12-588	Repairs to h.p. piston follower, and propeller shaft bearings. Y	
61032	2-12	Dept		Overhaul period changed from Mch.1st to Apr.8.Y	
62871	2-29	M.Is	2093	Revised estimates for installing evaporators, distillers, boiler repairs, engine repairs, lagging piping, etc. Y	
66277	4-13	Dept		Directs be placed in commission for cruise by latter part June.Y To M.Is.instructions.4/16. Recommends be not required.6-4	
66393	4-6 4-11	M.Is Dept		Report of inspection prior to placing in second reserve.Y Ret Dept.via Ord and S&A.4/16.	
67130	4/18 4/24	Mare Is. C&R	13825-E.9	Reports on placing in readiness for trip to Santa Cruz.Y	
67561	4-30	Dept		To be ready for cruise July 20 instead of June 27th; outfit need not be assembled until after July 1st.Y	
67667	4-11	Dept	16987-174	Fwds corres. re condition of funds,etc. in connection with placing in second reserve.Y	

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CLEVELAND: MACHINERY PLANT GENERAL:

FILE No.		From or To— (Dated)		Subject.
30369	11/30	M.Is.		Fwds copy of report of general survey.Y To -- Est.on certain items too high 2/25. R.B.3/16. Fwd Dept 3/30 R.B.4/3 appd
32001	2/17	Ordnance	16531-39	Fwds report of board of survey, Ordnance; and invites attention to work under S.E. Y Fwd Dept via C&R 2/23.
34055	2/7 3/7	M.Is C&R	17285-E.38	Report of general survey. Y Fwd Dept.Recommendations as to work.3/30. To M.Is.Some apprd;some not apprd.4/4. R.B.Partly appd.4/6. Ret C&R via Ord.4/7.
36293	4/13 4/14	M.Is Dept	T	Department authorizes work in accordance with survey in order to retain experienced men at yard. Y Ret Dept via Ord. noted 4/17.
37824	4/28	M.Is	3950	Genl. survey; reports additional work found necessary over that approved for cylinders reversing engine.Y Fwd Dept Rec appr. 5/8. R.B. 5/9 apprd. To -- apprd 5/10.
38092	5/2	M.Is	4103	Submits additional estimate for work on engines, etc. covered by authority of Apr.4.Y Fwd Dept' Rec appr.5/9.RB 5-11a'ppd To -- apprd.5/11. Fwd Dept.Rec appr.5/
39018	5/12	M.Is.	4338	Estimate for additional work, lagging piping, renew aux. condenser tubes, etc. Y Fwd Dept. Rec appr.5/19. RB 5-20 a'ppd To -- Apprd 5/22.

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CLEVELAND: MAIN ENGINES: ETC.

1917

Number.	Date.	From or To—	Subject.	
238703	7/12 7/13	Norf S&A	Request instructions relative to disposition of crank shaft for on board CUYAMA Y To S&A--Reqt retain at Norf.7/17 To S&A--Reqt shipt to Chasn.7/27	
268096	12/13	Chasn	Main engines - fwds data sheets - D	
274162	1-15	Dept	Authorized to proceed to Chasn for repairs to main engines thrust bearings - Y	162-14
276067	1-23	C O	Copy ~~of~~ request NY Navy Yd be authorized to rebbre the starboard high pressure cylinder lining. Dept copy of action to Chasn 1-24 Chasn telephone call 1-24 Fwd C&R- 1-24 Phone Chasn- Auth work in accordance with recommendation of yard. 1-24 & CO Chasn - 1/21 - Y	

1918

372382	11/27 11/29	CO Atl Cruiser	Request install new lower half of after low pressure astern excentric for starboard main engine - Y	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

CLEVELAND: MAIN ENGINES:ETC

Number.	Date.	From or To—		Subject.	
53640	11/6	M.Is	10954	Check up valve settings, main engine.Y Fwd Dept.rec.appr.11/16. RB 11-17 a'ppd To---appd.11/18.	
55125	11/27	Mare Is.	11691	Main engine; new bottom rings for S.H.P. and S.I.P. piston rods.Y	
55811	12/2	Mare Is.	11921	Repairs to main engine.Y Fwd Dept-Rec.appd.12/12. RB 12-14 a'ppd To--Appd.12/14.	
				1912	
				1913	
90868	2-15	M.Is	2069	Estimate for overhauling ~~mai~~ spare crank shaft.Y	
91975	2-11 2-26	CO M.Is	2116	Reports main engine in bad condition; Yard will make full report on bearings and alignment of crank shafts.Y	
93111	2-21 3-13	CO M.Is	3097	Reports on eccen-tricities and out of line of crank shafts; estimate.Y Fwd Dept.rec disappr.3/24. RB 3-27 To-M.Is. disappd 3/27	
133769	8-11	CO		Reqs. new piston packing and installation of forced lubrication	162-8
151281	4-2	To M.Is.		New piston rods; req't further information on requisition. D RB 4/14 To Pug Sd--Fwds print showing modification in. 4/19 To Pug Sd--Fwds prints superseding.4/21	

N.S.E. Form 134.

CLEVELAND: MAIN ENGINES. 162 — 9 1916

Number.	Date.	From or To—	Subject.
194515	7/25 7/25	Pac Flt T Dept	Stbd hp valve chect cracked.Y Fwd Dept--Rec be ordered to M.Is for.7/26 To M.Is--Directs examination of 7/26 To M.Is--(T)Lists items appvd in material inspection 8/17 BELOW
195974	7/29 8/9	CO Dept	Accident to HP valve chest, stbd main engine; report of Board of Investigation.Y Fwd Dept-- 8/12
196228	8/1 0	JAG	Report of Board of Investigation; casualty to stbd main engine high pressure valve chest.Y Fwd Dept Via Nav--Noted. 8/11
194515		ABOVE	M Is (T) Bureau's recommendation not feasible; repairs by ship's force will stop leakage; request authority to apply water test 9/7 To M.Is--(T)Water test 400 lbs.auth. 9/8
199859	9-20	M.Is T	Throttle valves; test developes loeak; request authority to install new cylinder.Y To M. Is — T Authorized. 9/21.
200170	9-8	M.Is	Throttle nozzles; fwds sketch showing crack; submits estimte for new cylinder.Y M.Is (T) results of hydrostatic test reported in telegram of Sept 20 10-11 To--(T) Wire result of 400# water test. 10/10 To--(T) Proceed manuf high pressure cylinder for . 10/12

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[OVER.]

CLEVELAND: BOILERS. 1917

Number.	Date.	From or To—	Subject.	
245328	8/23	S&A Copy	Shipment of 2 in. tubes from Norf to Chasn Y	
245739	8/25	TPhone Chasn	Bu asked Yard if ready to undertake boiler work on. 8/25 Y ~~Phone Chasn--Yd stated drawings received.8/25~~	
247477	9/5	Phone Chasn	Re ability of yard to undertake work on boilers.y	
250791	9/21	CO	Rel to reduction in safety valve setting.D To- Aut h granted. 10-4	
252457	10/3	p To NY	Spare boiler material for.	184-10
264973	11/23	Chasn	Fwds list of boiler material left ~~from~~ over at the recent overhaul.Y To S&A- Reqt shiptvarious headers from charleston to NY-12-5	
291348	3/8	CO	m Alterations to boiler casing - Y To NY- Alterations auth. 3-23	
343482	9-3	To NY	Water column fittings of main boilers Y NY Water column fitting replaced 9-21	

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N.S.E. Form 134.

162-10: CLEVELAND: BOILERS:

Number.	Date.	From or To—	Subject.
488025	4:1 4;9	CO M IS	Remove present umbrellas from smokestack and install new ones.D To Mare Island- Work rected duplicate of item 64s of report of material inspection and will be acted upon when action is taken on report. copy to CLEVELAND. 4-23 M IS-T-ask if shall undertake work at this time-4;30-D To M;IS(T)-Installation smoke pipe umbrellas not contemplated. 5-1
521035	9;24	CO	Lists B&W boiler spare parts shipped to Coco Solo for transfer to Pug Sd.Y
		1922	
609921	11/1 2/7	CO Atl.Fleet	Request special over size hand hole plates be issued to replace those corroded - comments on. D. cross
	VOID SEE	182-10	612

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[OVER.]

CLEVELAND: BOILERS.

Number.	Date.	From or To—	Subject.	
238514	7/14	Phone Chasn	Boiler material received at Chasn for. Re status of. Y Phone Chasn--Bu asked what material rec'd.7/14	
238565	7-5	CO	Install additional distillery apparatus.	16288
238766	7/16	Phone NY	Boiler No 2. Re inspection of. Y Phone B&W--All boiler material for has been shipt to Chasn.7/16	
238775	7/16	Phone Chasn	A sk if all material has been received at Yard for boilers of. Y Chasn - confirms telephone 7/16 W	
238779	7/16	Phone B&W	Boiler material; shipt to Chasn. Gives routing of shipments. Y B & W - confirms telephone call 7/16	
238969	7/17	Phone NY	Re condition of No 2 boiler. Y	
238984	7/17	Phone Chasn	Boiler material. Re shipments from B&W Co. Re arranging for shipt of material thru Bu. Y Phone Norf--Reqn 5054 has been prepared for front header. 7/17 Chasn - confirms telephone call 7/17 Y	

N.S.E. Form 134.

CLEVELAND: BOILERS. 162 - 10

Number.	Date.	From or To—	Subject.	
239204	7/17	NY	Reports on inspection of boiler No 2 Y Fwd CO—7/19 R B 8/17	
239121	7/17	Phone Chasn	One front intermediate boiler header. Re preparation for shipt to vessel. Y	
239236	7/18	Phone Chasn	Boiler front intermediate header. Sent from Yard on 17th. Y	
239454	7/19	Phone NY	Re shipt of boiler headers for. Y	
219807	6-15	M Is T	States material for boilers shipped May 14th.	162-8
240699	7/26	Chasn R	Request itemized list of all material being shipped for boilers.Y	
240856	7/27	S&A	Boiler tubes to be shipped by Nereus Y	

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CLEVELAND: BOILERS: ETC.

1915

Number.	Date.	From or To—	Subject.
166889	4/15	CO	Install ash hoppers and ejectors. Y Fwd Dept-- Rec disappvl of. 9/30 RB 10/4 To M.Is--(T) Disappvw. 10/4 M.Is copies 10-11
166903	9/29	M.Is (T)	Submits est. cost and time for work on.Y To--(T) Appvs. 9/30
169803	10/28	M Is T	Boiler side box developed leak.Y Fwd Dept--Noted.10/30
			1916
184344	3-31 4-3	CO Pac Flt	Boilers; recommends new; Fleet re ommends examination by Board Inspection and Survey. Fwd Dept--Rec appvl of reqt for inspection.4/12
189027	5-25	To CO.	Oil in boilers reported in material inspection; reqt steps be taken to free them of this condition. Y CO ~~wzz~~ oil removed from boilers 7-7
190041	5-31	CO	Set safety valves at 240#.DM
205076	11-4	Pac Reserve Flt	70 days work on boilers; request be expedited.Y Fwd Dept--11/13 RB 11/16 Fwd--11/16 RB 12-7 Fwd Dept--Noted. 12/7
218583	2/1	CO	Fwds sheet showing thickness of evaporator shells; are reduced 66-1/2% original thickness.Y Fwd M.Is.--3/21 RB 4-16 Norf corres returned via Supply Officer 4/30 Chasn - lists material reserved for Y

Fwd Norf--4/17
To M.Is.--Not ~~necessary to reserve~~ material for.4/17 RB 4-30
To Chasn--Instrns re assemblinb material 6/16 R B 7/2

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N.S.E. Form 134.

162 -- 10 CLEVELAND: BOILERS: ETC.

Number.	Date.	From or To—	Subject.	
229746	5-21	CLEVELAND	Reqt boilers to eplace No 1577 removed for repairs.	611-2
233501	To Chasn--8/20 6/1 6/13 Chasn 7/20 Y To Dept--8/15 Dept - Chasn assigned as home Yd Y	To Chasn--Directs check over material.8/21 CO Dept	Reports on condition of boilers Y To Chasn--Directs inform Bu when all material for has been assembled.6/16 To Dept--7/10 T o Chasn--Ask if material has arrived.7/10 R B 7/25 To Chasn--7/27	BELOW
233676	6/7 Fwd Dept--8/25	Patrol Force -	Request material for repairs to boilers be assembled at Chasn Y To Dept--Gives status of shipts of material.6/15 Fwd Chasn--7/23 R B 8/20	
233758	6/14 S & A - relative to shipment of boiler tubes 8/14 Y	To Norf T	Gives status of shipts of tubes to Norf for. Will request shipt to Chasn. Norf (T) 1st car received, tracing 2nd car 6/15 Fwd S&A--6/15 To S&A--7/27	
184 SF	6-18	Bayonne	Material for headers;states one carload shipped June 15th.	629
218583	OVER		To Chasn--Medium steel plates will do for evaporator shells of. 6/28 To Norf--6/28	
233507			Chasn (R) reports on material 8/23 Chasn (R) print not received 8/23 Fwd Dept--8/26 Chasn - 8/26 To Chasn--9/1	

Number.	Date.	From or To—		Subject.	
38218	5/2	M.Is.		Renew heads of distillers, etc.	162--12
No #	5/20	To M.Is.		Reqn.667: firebrick. Request prints.	
40082	5/25	M.Is	324	Fire brick for boilers; fwds vandyke & prints. D&S	
53639	11/8	M.Is	10967	Lag steam drums all boilers. Y Fwd Dept.via C&R.rec appr.11/16. RB 11-22 a'ppd To-Appd.11/22.	
53634	11/8	M.Is	10994	Change feed and blow pipe in steam drums from comp. to black iron pipe.Y Fwd Dept.rec a pr.11/16. RB 11-17 a'ppd To---appd.11/18.	
54572	11/15	Mare Is.	11237	Install wire-cloth baffles in both evaporators.Y To--Disappd.11/28. Fwd Dept-Rec. be appd.12/13. RB 12-15 a'ppd Fwd C&R--Fwds change-in-weight sheet.12/15. RB 12-20 To--Appd.12/15.	
55858	12/5	Mare Is.	12026	Requests authority to install wire cloth baffles in evaporators.D	
56299	12/7	Mare Is.	12032	Repairs to smoke pipe guys; strengthen turnbuckles,etc.Y&D Fwd Dept-Rec.Appd.12/18. RB 12-19 a'ppd To--Appd.12/20.	

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N.S.E. Form 134.

CLEVELAND: 162--10

Number.	Date.	From or To—		Subject.	
62871	2/29	M.Is.		Revised estimates for installing evaporatos distillers, boiler repairs, etc	162--8
72893	7-1	CO		Reqt. graphic voiler records. M	
				1913	
87037	12/16 12/21	CO M.Is.	11895	Repair starboard feed tank and true up evaporator.Y	
94316	2-19 3-26	CO M.Is	2309	Repair port feed tank.Y.	
94996	4/8	Cleveland		Change baffles in B&W boilers, reqt action on method submitted by Mach.C.S.Padgett	612
97548	5-13	CO		B&W boilers; fwds print showing changes proposed in baffling of; can be performed by ships force.Y	
				1914	
138520	10-25	CO		Distiller plant; reqt additional distiller.Y To M.Is-- For estimates and rec 11/6 rb1 22	
142660	12-4 12-12	CO M.Is	13632	Reqt spare distiller shell. Y ~~Bxd Dept.-- Rec disapvd. 12/28~~ To Via M.Is-- Disappvs. 12/28	
143494	12-30 12-31	M.Is Dept	T	Defective header; will delay sailing until Jan 3; auth by Dept.Y	

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[OVER.]

Number.	Date.	From or To—	Subject.	
433845	7/18	C&R	Copy letter to CLEVELAND and CHICAGO in regard to transfer of motor boats. Y.	611-2
447485	9/15	CLEVELAND c	Reports transfer of motor dory 2477 to MICHIGAN; Y.	611-2
484016	3/26	C&R	Copy of telegram to Mare Is authorizing issue motor sailer 8601 to CLEVELAND. Y	611-2
493419	5/22	To CLEVELAND	Reqst advise if error made in including launch 2263 on board 3/31/20, log of 3/31 Y	611-2
498463	6/3	CLEVELAND	M.S.L. 2263 smashed in accident on March 25; Y	611-2
525166	10/29	To CLEVELAND	Correction of steamer registry number Y	611-1
542868	1/25	C&R	Copy of letter to CO CLEVELAND in conn with furnishing vessel with one 26' motor boat. Y	611-2
		1921		
561477	5/5	To MI VOID SE 167-14	Line and Stern tube shafts repairs; Action appvd cc CO Y	
562810	5/10	To CO CLEVELAND	Registry number- Request correction Y	611-1

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162-11
N.S.E. Form 134.

CLEVELAND AUX MACHY 1922

Number.	Date.	From or To—	Subject.	
605366	1/20	To Comdt Boston	Parts for Power Boat Machry on CLEVELAND Ye	611-2
642529	9/25	To CO USS CLEVELAND	Error in Motor sailing launch engine number Ye	611-5
646947	10/27	To CO CLEVELAND	30' motor sailing launch No. 2760 engine number Eng room log ending 30 Sept 1922 Ye	611-6

[OVER.]

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CLEVELAND: AUX. MCHY.

Number.	Date.	From or To—	Subject.	
170576	10/29	M Is	Reports issue of G-2 engine 818 to vessel as spare	611-1
198462	9-1	M.Is	Recommends using steam launch of to assist yard errles	611-1
			1916	
204124	10/31	M Is T	Recommends re-assignment engines 2655 and 56 to motor sailers 2759 and 60	611-2
			1917	
211723	1-10	M. Is	GG engine 2675 and 77 assigned to boats 2759 and 60 to CLEVELAND; HH 2607 launch coal Dept Tiburon.	1918 611-2
			1918	
223405	4-18	To CLEVELAND	Bu records show engine is numbered 2326 instead of 2325, in Motor dory 1631.	611-2
224816	4-24	CLEVELAND	Engine 2200 installed in motor boat 2263 and 2675 in 2759.	611-2
275958	1-23	Chasn T	CLEVELAND: request authority to issue propeller for G-2 engine. Y	611-2
285000	2-28	CLEVELAND.	Power boat machinery. Discrepancies between Bu records and log submitted. Y.	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
366586	11/8	To CO CLEVELAND	Rust investg and report re boiler 1577 install in steamer 1914.	611-2
366586	11/11	CO CLEVELAND.	? ? ? ? ?	
395204	2/15	C&R	Cpy of tel to Portsmouth directing turn over 308 steamer to CLEVELAND Y	611-2
4 04111	3/19	C&R	CLEVELAND directs NY prepare whale boat 775 to replace 2359 Y	611-2
409715	3/27	CO CLEVELAND	Sub list of machine boilers and other parts removed from steamers for storage.	611-1 Y.
409839	3/17	CO Pitts	Copy of letter to C&R stating motor dory transferred to Cleveland 3/8 Y.	611-2
413477	4/24	CO CLEVELAND	Tel: requ auth to turn in at Guantanamo wrecked hull and machinery of 28' steamer Y.	611-1
432577	7/16	To C&R	Bu advised that motor dory NO. 2477 was transferred from CLEVELAND to the CHICAGO.	611-2 Y.

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CLEVELAND. Auxiliary Machy

1913

2

Number.	Date.	From or To—	Subject.	
105435	8/19	Receiving Ship	Reqt 40' motor sailing launch engine for use in in steamer 487	611--2
108933	10/28	To Cleveland	Bu.Records show G-2 engin 874 as spare	611--1
112586	12/12	C&R	M.Is. to ussue steamer616 to CLEVELAND in lieu of 481	611--1
113404	12/23	C&R	Reports transfers of 40' steamers 285 and 399 from the INDEPENDENCE to CLEVELAND	611--1
		1914		
116552	1/26	M.Is.	Reports assignment steamer 616 in lieu of 481,	611--1
116308	1/27	Norf.	Reports engine 2200 shipped to M.Is. for 1364	611--2
No #	2/5	To M.Is.	E-2 engine 336; request be resurveyed for sale. Bu.records show boiler (item 2) to be 1154 instead of 1150.Y	
119637	3/5	CLEVELAND	Reports installation of boiler 2071 in lieu 1753, steamer 338.	611-1

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N. S. E. Form 134.

CLEVELAND: AUXILIARY MACHINERY? 162 — 11

Number.	Date.	From or To—	Subject.	
124094	4/28	M. Is.	Reports installation of gasoline engine 2200 in motor sailing launch 1364	611-2
~~133669~~	8-31	Norf		
133495	9-2	TO	Launch 1364; Bureau records differ .;	611-2
134613	9-16	C&R	Assigns Str. 1934	611-1
134849	9/17	CLEVELAND	Reqt steamer be assigned to replace steamer 1151 sunk	611-1
135157	9/22	C&R	Assigns steamer 1934 to CHATTANOOGA and cancels assignment to CLEVELAND	611-1
135206	9/24	C&R	Assigns steamer 1914 in lieu of 1151	611-1
138078	10/28	To CLEVELAND	Type GG engine 2200 is installed in boat 1364; type E-2 engine 333 is on board CLEVELAND	611-1
		1915		
143977	1/22	M Is	Reports installation of engine 898, boiler 1577, steamer 1914, CLEVELAND	611-1
153007	4/22	To CLEVELAND	Asks number of hull inwhich GG engine 2200 is installed	611-2
163782	8/19	To CO	Log shows GG engine 2200 installed in motor sailing launch Y 870; latter not Bu's no; Bu's record shows launch numbered 1364	611-2
167270	9/21	CO ;	Motor sailing launch 2273 assigned in lieu of 1364	611-2
169763	10/21	M Is	Fwds reqn for G-2 engine for steamer 1914	611-1
169535	10/27	M Is T	Recommends engine 818 to vessel as spare for steamer 1914	611-2

NB—0120

[OVER.]

162--11

CLEVELAND - Auxiliary Machinery

FILE No.		From or To— (Dated)	Subject.	
29421	1/18	C. & R.	St. Cutters 203, 563 & 832 - assignment	611--1
52029	10/26	C&R	Cutter 1151 authorized built at M.Is.	611-1
			1912	
62867	2/24	M.Is.	BOATS: estimate for repairing engine G-2, 343, ex-Cleveland:	611--1
78841	9/27	To M.Is.	Issue of type B-3 engine No.877 as a spare for CLEVELAND disappd. and gives instrns. re disposition of launch machinery.Y (T) To M.Is. appd 10/11	611
80723	10/16	Pug. Sd	Reports relative to type B-3 engine asked for by, on reqn	611--1
81383	10/29	To CO	Steamer 1151: Bu.record that Type B-3 engine 874 installed, and that B-3 877 was spare. Request correction of steam log.	611-1
			1913	
104772	8/25	M.Is.	Reports changes in steam launch machy of receiving ship.	611--1
104845	8/29	Rec.Ship.	Reports installation of Ward boiler 4010 steamer 588, in lieu of 2022	

NB—0120

CLEVELAND: CONDENSERS:

Number.	Date.	From or To—		Subject.	
38218	5/2	M.Is	4104	Renew heads of distillers and retubing. Submits estimates.Y Fwd Dept. Rec appr.5/10. R.B.5/11 appd. To -- apprd.5/12.	
40672	6/5	M.Is	5019	Renew clothing and lagging, using galvanized sheet iron instead of wood. Y Fwd Dept. Rec appr.6/10. RB 6-12 a'ppd To -- apprd 6/13.	
42472	6/21	M.Is.	5824	Fit patch on both main condensers. Y Fwd Dept.Rec appr.7/1. RB 7-5 a'ppd To M.Is. appd.7/6.	
				1912	
				1917 1913	
214332	1-26	CO		Retube both main condensers.W	
552702	3/22	To Leon Cammen		Fwds print showing condenser D L.Cammen-prints recd-3;23-D	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

CLEVELAND: HEAT:VENT:REFRIG: 1915

Number.	Date.	From or To—	Subject.	
157042	6-7	Roelker, H.B.	Ice machine; states inspector of certain material refuses to expedite inspection; requests he be instructed.S To--Comments on. 6/9	
157273	6-9	Roelker, H.B.	Ice machine; fwds corres showing 8 days delay in inspecting material.S Fwd Brook-- 6/11 RB 6/17	
164470	8/26	Pitts	Reports on shop test of Westinghouse LeBlanc refrig apparatus; 3-ton, in connection with Co's bid on schedule 8173 for ice machine for CLEVELAND	700-1
			1917 1917	
238678	7/14	CO	Request new ice making box Y To--7/18	
238971	7/17	To S&A	Reqt shipt of Allen ice machine from NY to. Y Phone NY--Re freezing box for A llen machine.7/17	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

162--13 162-13

CLEVELAND: HEATING: VENTILATING & REFRIGERATING: 1

Number.	Date.	From or To—		Subject.	
40117	5/25	M.Is.		Estimate for additional work lagging ice box.	162--8
50563	9/29	M.Is	9446	Ice machine; renew outer casing of re-cooler. Y	
				1912	
				1913	
86542	12/4/12	C.O.		Repairs to ice machine, etc.	162--8
106600	9/16	C.O.		Repairs to ice machine, etc	162--8
109375	9-23 10-25	CO M.Is	 10818	Reqt. alterations to refrig plant.Y To M.Is.appd.11/7	
111557	11-3 11-24	CO M.Is	 11487	Repairs to ice machine .Y To M.Is.appd.12/3	
			1914		
120957	3-19 3-27	M.Is C&R	2980 22659-E.14	Re locate radiator in sick bay.Y	
133769	8-11	CO		Reqs. addi. ice machine	162-8

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N.S.E. Form 134.

CLEVELAND: HEAT: VENT ETC. 162-13

1914

Number.	Date.	From or To—	Subject.
134294	8-15 9-12	CO C&R	Cold storage; alterations.Y To NY via C&R-- Req prints of. 9/15 Fwd ML-- Req estimates. 9/15 12 23 Fwd C&R-- 12/26
140603	11/25 11/27	M. Is. T C&R 27659-E19	Proposed alteration cold storage pla rooms and ice plant.Y Fwd Dept--Have reqtd M.Is to submit estimates for. 12/1 12 3 Mare Is 12/3 (T)--reqt action Fwd C&R-- 12/4 Fwd C&R-- 12/5
144290	1-5	CO	Reports crack in outside casing of ice box.Y
151014	3/20	M Is	CLEVELAND; ice machine purchased on reqn 162-8
153587	4-23	CO	Reqt repairs to cold storage. Y To--Instructions. 5/1 ~~Aero-Sta~~-rCO letter written on account of long delay making installation 5-6
154044	5-4	M.Is T	Recommends installing ice machine now on BUFFALOand installing CLEVELAND'S Machine on BUFFALC when received.Y To--(R) Disappvs;will endeyaor to obtain machine under schedule 8173 for. 5/5
154802	5-6	CO	Letter of complaint on long delay in installing additional ice machine.Y
8173	5/13	To H. B. Roelker T	Wire earliest delivery at works ice machine 706
155710	5-17	CO	Reports emergency repairs made by ships force to cracked ice making bos; reqt be published in balletin. YM

1915

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[OVER.]

CLEVELAND: PROPELLERS AND SHAFTING:

Number.	Date.	From or To—	Subject.
484059	3;27	M IS copy	Stern tube shafts show heavy electroletic corrosion-reqt instrns rel to availability of replacement shafts.Y To(T)-Proceed with finishing of spare shafting and install complete with casings.3-27 copy to Operations and CO.
486466	4;8	JAGp	Submits report of Board to inquire into condition of shafting of.Y Fwd Navgn. 4-13
486739	4;2	CO	Submits list of material turned into store at M IS April 1st.Y
486963	4;5	M IS	Submits report of analysis of sludge from port shaft.Y
486982	4;8 4;9	JAG Dept	Submits report covering condition of shafting of.Y Fwd Operations. 4-13 To I.M. Ny- Gives detail comment. 4-13
493877	5;15	M IS copy	Request authority to dock vessel to install new propeller shafts.A&Y
534962	12;8	Boston	Propeller report.Y
561477	3;26	M IS	Submits estimates covering repairs to starboard thrust line and tube shafts.Y To MI Line and Stern tube shafts repairs action appvd cc CO 5/5

N.S.E. Form 134.

162-14: CLEVELAND: PROPELLERS:

Number.	Date.	From or To—	Subject.
564165	5;10	M IS	Propeller report.Y
646812	10/26z	To Yards-Stations listed	Casings for stern tube and propeller shafts- Fwds Vandykes Dt

CLEVELAND: PROPELLERS & SHAFTING.

Number.	Date.	From or To—	Subject.	
359234	10/16	CO	Stern tube shafting broken - fwds strut bent - Y	
355190		CARD 2	To NY (T), reports starboard stern tube shaft broken, forward strut bent, coupling bolt shattered 10-18 NY (T) shaft will be completed 10/25 -10/20	
362247	10/25	Erie T	Shaft for Cleveland shipped 10/22	
336533	10/25	Inspr Pitts. (T)	CLEVELAND- Shaft shipt by freight 10/22 R.	629
361691	10-25	Phone NY	Comments on stern tube shaft shipped Y Phone NY, both shafts located 10-26	
995	4-9 4-10	Inspr Erie Inspr Pitts	Recst shipping instrucns propeller tube shafting for CLEVELAND R	629

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162 - 14 CLEVELAND PROPELLERS & SHAFTING:

Number.	Date.	From or To—	Subject.	
389865	2/1	To NY	Info reqst re correct balance shafting CLEVELAND RB 2/7	689-11
404240	3-21	To I.M. Norf	Propeller plan. Reqts fwd. Ds Norf. fwds prints 3;26 To Norf- Returnign blue print- 4/5	
428690	6-28	To S.O. Ny	Propeller shaft. Advise as to correct balance which should be shown on change sheets #1340 and 1786. Yh N Y 7/2	
SE 1703	7/14	To S&A	Recommends award material to Erie Force	Co R
463867	12-18	To Inspr Pitts To S.O. Ny- Advise if material received. 3-3 RB-3;26	Test #1334-C.Stern tube shafting. Auth. acceptance. S Inspr Pitts-copy of action to Erie Forge and Steel Co-12;22 To S&A- Reqt shipment forgings from Pitts to Ny. 1-10	

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[OVER]

CLEVELAND: PROPELLERS & SHAFTING. 1912

Number.	Date.	From or To—	Subject.
73477	5/22 7/5	CO M.Is.	Reports on spare blades carried.Y
			1913
91790	2/13	C.O.	Repairs to main engines and re-align shafts. 162--8
			1914
123592	4-21	M.Is	Reports changing ~~port~~ propeller blades, reports pitch, etc. Y
123765	4/24	Mare Is.	Spare propeller blades; submits estimates.Y To--manufacture approved.5/11. M.Is.5/18. Gives plans followed in manufacturing spare blades.Y
			1916
197502	8-23	M.Is T	lost Stbd propeller; and line shaft broken inside strut; request authority to use DENVER spare. Y Fwd Dept 8/25 RB 8/26 RB 8/28 TO -- (T) auth 8-24 Fwd Dept 8/25 (2 papers) (See above) Fwd S&A 8/28 RB 8/30 NY order cancelled 8-24 To M Is 8/31 RB 10/10
199088	8-29	CO	Reports loss of stbd propeller. Y Fwd Dept-- 9/15

N.S.E. Form 134.

1916

CLEVELAND: PROPELLERS. 162-14

1913

Number.	Date.	From or To—	Subject.	
207289	12-25	M.Is	Fwds propeller data.D.	
247279	9/4	To Cramps Co	CHATTANOOGA CLEVELAND DENVER DES MOINES GALVESTON & TACOMA. Composite propeller. Reqt ests covering manuf.	697
274162	1/15	Dept	Authorized to proceed to Chasn for repairs to main engines thrust bearings - Y	
323524	7-6	To S&A	Rqst shipmt patterns from M Is. to NY, Y To NY, Rqst if above shipmt recd, 9-28, Rec. back 10;9 Y	
342200	8-28	To NY	Does not approve of renewal of line and propeller sh shafting Y NY - 9/4 CO - removed shafting - 9/3	
355190	10/3	~~Sims~~ Copy	6180 - Reqst fwd report on starboard propeller shaft carried away - Y	CARD 3
		CO copy of report of damage to shafting 10;15	To CO, (T) State Definitely if propeller or stern tube shaft broken, 10-5	
		To CO(T), asks if propeller or stern tube shaft broken 10-16	To NY Re renewal of shafting 10-7 To NY (T), advise if stern tube or shaft broken10-14	
33653	10/5	To Inspr Eng Mat Erie T	Asks when one stern tube shft for USS CLEVELAND be ready for shipt	629
33653	10/17	Phone NY	Advised that shaft be turned over for use on USS CLEVELAND.	629

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[OVER.]

CELVELAND: PROPELLERS: & SHAFTING.

FILE No.	From or To— (Dated)	Subject.	
37402 4/21	M.Is 3572	Submits estimates and recommendations re examination of propeller stern tube shafting.Y Fwd Dept Rec be auth.5/1. RB 5-3 To -- Apprd 5/4.	
53637 11/6	M.Is 10957	Renew casings port stbd propeller shaft.Y Fwd Dept.Rec appr.11/16. RB 11-17 a'ppd To---appd.11/18.	
54571 11/17	Mare Island 11305	Replace blades.Y Fwd Dept.-Rec.appd.11/28. RB 12-1 a'ppd To--Appd.12/1.	
54570 11/17	Mare Is. 11306	Blades; requests authority to mfr spare.Y To--Appd.11/28.	
57015 12/19	Mare Is. 12403	Repairs to port and starboard outboard stern tube bearings.Y Fwd Dept.for its information.12/29. RB 1-3 a'ppd	
57903 12/28	M.Is.	Cleveland: repairs to h/p/ piston follower, and propeller shaft bearings.	162--8
		1912	
62390 2/29	To Mare Island	Stern bearings, bored out to suit new diameter of casings. Reqst corrected drawing for files.Y	
68034 4-26	M.Is 4179	Stern bearings;fwds print showing alterations to casings. D	

162---15

CLEVELAND: PIPING SYSTEM.

1913

Number.	Date.	From or To—	Subject.
87282	12/4 12/28	CO M.Is. 12070	Install cross connection piping between feet tanks and feed pumps to double bottoms.D Fwd Dept via C&R.with rec·1/15. RB 1 21 a'ppd To M.Is.Instructions.1/22.
	1922		
622403	4/29	CO	Request weld leak in steam pipe Y

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Number.	Date.	From or To—	Subject.	

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CLEVELAND: COALING APPARATUS. 1915

Number.	Date.	From or To—	Subject.	
174436	12/16	Dept	Fwds report of board to inquire into conditions attending fire incoal bunker B-3.Y Fwd Dept via S&A--Comments on. 12/27	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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Number.	Date.	From or To—	Subject.	
86542	12/4/12	C.O.	Repairs to machine tools, etc	162--8
94871	4-3	CO	Reqt. authroity to turn in gasket mold. Y To--via M.Is. authy. 4/18	
95320	3/21 4/11	CO M.Is.	Repairs to lathe.Y	
117904	2-11	CO	Reqt 12" modern lathe in lieu of 10" obsolete.Y To M.Is.appd.2/26.	

1914

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Number.	Date.	From or To—	Subject.	

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CELVELAND PUMPS GENERAL 1922

Number.	Date.	From or To—	Subject.	
631049	6/20	C O	Request vacuum distiller pump. D. To CO instln disappvd 7/31	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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[OVER.]

CLEVELAND: PUMPS: GENERAL:

FILE No.	From or To— (Dated)	Subject.	
36888 4/17	M.Is	Reqt. Boston manufacture and ship salt water feed pumps.Y Fwd Bost. Mfr auth.4/25. RB 5-12 To -- Probable shipment about June 10. 5/13.	
38405 5/4	M.Is, 3947-H	Overhaul of shaft bilge pumps. Y Fwd Dept rec appr.5/11. RB 5-13 a'ppd To -- Apprd 5/15.	
		1912	
	1914	1913	
133757 8-16	CO	Reqt larger fresh water pump.Y To-- Req further informations. 9/14 CO gives space available 10-1 To-- Comments. 10/28	
139975 11-12	M.Is 12539	Main aux feed pumps: fit new valve gears.Y To--Authorized. 11/21	
		1916	
186972 5/3	CO T	O rdered to M Is for repairs, Stbd thrust bearing, port main circulating pump	162-8
	1922		

NB—0120

CLEVELAND: VALVES:

Number.	Date.	From or To—	Subject.	
52780	10/30	M.Is 10511	Repairs to sea valves.Y Fwd Dept. rec appr.11/13.RB 11-15 a'ppd To---Appd.11/15.	
			1912	
			1913	
		1918		
367734	11-8	CO	CO - Repairs to throttle valves Y	

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1913

Number.	Date.	From or To—	Subject.	

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162-21

CLEVELAND ALLOWANCES 1922 4

Number.	Date.	From or To—	Subject.	
654970	11/26 12/10	CO CLEVELAND Special Serv. Squad.	Recommends changes in allowance lists Y Fwds Spec Svc. Squadn- disappvd gives comments 1/5/23	

4—3331

Number.	Date.	From or To—	Subject.	

162-21

CLEVELAND: ALLOWANCES

1921

3

Number.	Date.	From or To—	Subject.
595788	11/17	To CO	Quarterly money allotment over expenditure of Regst explanation be submitted Ya CO CLEVELAND 11/28 Y
601300	12/12 12/17	CO S&A	Report cov over expenditure of Title C allotment. Y Fwd S&A via C&R 12/24
631310	6/30	CO	Annual inventory Y
631893	7/14	To CO	Fwds allowance- Revision of Ly To CO Gives change in allowance cc E0 SO yard- vessel Ly

4—3381

162-21

N. Eng. 134

CLEVELAND ALLOWANCE 1922

Number.	Date.	From or To—	Subject.	
634542	7/1	CO	Ballance sheet Title B Equipmt ending 6/30 Y	
639776	8/28	CO	Fwds allowances books, Y To CO- Fwds allow. list 9/25 CO CLEVELAND 3/7/24 Request copy of Bureau letter of 9/25/22 Y To CO - Fwds cc Bu let of 9/25 3/15/24	
641063	9/13	To CO	Lubricating Oil Expenditures Eng. Fiscal year 1922 Reqsts Inform Cc'S&A Ya CO 9/22 Y	
649866	11/6	CO CLEVELAND	FwdsFwds corrected Naval Supply Acct, first quarter 1923 Y	
650694	11/8 11/18	CO Special Service Squad.	Rqsts authority to tunr in excess electrical material listed YL	

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[OVER.]

CLEVELAND: ALLOWANCES.

Number.	Date.	From or To—	Subject.
273436	1/10	CO	Request increase in money allotment - R Fwd S&A- Recommends additional money allotment·1-17 C O - 1-24 R - Request telegraphic approval. R Fwd S&A - 1-25 CO--1/29 Fwd S&A- 2-7 S&A - 2/9 - request increase in quartely allotment
278673	2-5	To Mare Island	S E Elec Allow. Fwds one copy. LR Mare Island - Electric allowance - fwds. RA 3-9
288426	3/5	CO	Request special money allotment - R To S&A-Recommends additional allotment. 3-23
288427	3/5	CO	Quarterly allotment - request increase - R To S&A- Recommends additional money allotment.3-16
368474	11/12	CO	Request additional money allowance - R Fwd S&A, 11-16
387343	1-25	Fwd S&A	Reqt for increase of allotment-Recommends.
409693	4-10	To CO	Revision of allowance book.

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N.S.E. Form 134.

CLEVELAND

Number.	Date.	From or To—	Subject.	
421020	5-19	CO	Rqst increase in quarterly money allot- Y Fwd S&A. 5-27	
439443	8-14	To CO	Fwds appvd allow lists. Ya	
460748	11/12	CO CLEVELAND	Reqst additional money allotment $900 - Y Fwd S&A. 12-2	
535144	12;2	CO	Request addtl quarterly allotment.Y Fwd C o 12-18 RB 1/20/21 To CO Authd cc S&A 1/21 To CO Authd 1/21	
566866	5;14	CO	Request increase in quarterly money allotmt.L To CO Allotment authd cc S&A 6/3	
578759	7;29	CO	Annual inventory completed.Y	

NB—0120

162--21

CLEVELAND: ALLOWANCE

Number.	Date.	From or To—	Subject.	
40852	6/9	M.Is.	& DENVER: reqt	184--21
41630	6/21	To S&A,M.Is. C.O.	Spare parts for motor generator added. R RB 3-22	
52120	10/21	M.Is	Reqt. R To--Fwds.11/10.	
55134	11/27	M.Is.	& DENVER: requests revised SE	184-21
57156	12/20	M.Is. 1912	& DENVER: fwds Equip. of Vessels- SE	184--21
58195	1/11	To M.Is.	Change: omit 2 k.w. motor generator. RB 1-31 To---via S&A.Add salvo contact makers and safety lamps.2/19. To---via S&A. Wrenches added.2/24.	
59923	1/31	To M.Is.	Electric safety lanterns should be omitted.	675-7
61296	2-10	M.Is 1508	Recommends be increased by addition of boring bars for lathe. R To---via S&A.Instructions.2/17.	
63247	3/1	M.Is.	& DENVER: reqt return of, submittted for approval. To---via S&A.Fwds list.4/22.	184--21
88939	1-13 1-29	CO S&A	1913 Reqt. authority to turn in oil filter.R. Ret S&A.Reqt appr.1/31.	

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CLEVELAND: ALLOWANCE 162 -- 21

Number.	Date.	From or To—	Subject.
			1913
122952	4/21	To M.Is.	Add to Title B, special wrench for use in removing valve from valve stems of main engines.R
			1914
142471	12-9	CO	Reqt authority to turn in certain NSA stores.R Fwd C&R-- 12/19 To-- Authority granted. 12/19
			1915
170100	11-2	CO T	Reqt $1000 inc quarterly allotment.R Fwd Dept--Rec'allotment $500. 11/5 RB 11/10 CO (T) reqt Bu's action by radio 11/8 Fwd Dept--11/9 RB 11/11
			1916
183526	3-22	CO	Request authoiryt ot turn in obsoleter materia[illegible] To-- A[illegible]vs. 4/4 To--R[illegible]urns lists. 6/5
189509	5-27	CO	Fwds.R
198486	8/15	CO	Allowance list; fwds.R To--Returns appvd with modi 9/9
267935	12-20	To CO	Revision of Elec Allow lists. Fwds Blank copy. L-R

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[OVER.]

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CLEVELAND: WHISTLES 1918

Number.	Date.	From or To—	Subject.	
307330	5-14 5-15	CO Atl Cruiser	Request present whistle installation be replaced by whistle similar to those used on destroyers. Y To- Has issued recn for purchase of new and larger whistle. 5-17	
309416	5-24	To N Y To C O	Installation of whistle on ship and enclosing prints of same, D To C O, Commenting on installation, 5-27	
1994	6-13	To S&A	Retd reqst that steam whistle be delivered to New York for CLEVELAND	629

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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162—23

CLEVELAND: air compressors.

Number.	Date.	From or To—	Subject.	
44841	7/19	M.Ia.	Revises estimates for repairs to:	162—8
			1912	
		1918	1913	
364552	10/30	CO	Install air discharge valves on air compressor-Y	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

CLEVELAND: INSTRUMENTS: GAGES. 1914

Number.	Date.	From or To—	Subject.	
113929	12-11	CO	Install new gages.Y	
	12-23	M.Is 12833	To M.Is.authorized.1/3	

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Number.	Date.	From or To—	Subject.	

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3

CLEVELAND RECORD OF WORK

Number.	Date.	From or To—	Subject.	
645249	10/1	CO	Quarter ending 9/30 Y	

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Number.	Date.	From or To—	Subject.	

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CLEVELAND: RECORD OF WORK. -1919- 2

Number.	Date.	From or To—	Subject.	
457502	11/12	Key West	10/6 to 11/11 - Y	
474531	1;1	CO	Quarter ending December 31st.Y	
489029	4/1	VESTAL	Quarter ending 3/31 - Y	
503735	6-30	X MELVILLE	Quarter ending 6-30-20; Y	
507658	7;1	CO VESTAL	Quarter ending June 30th.Y	
520741	6;10	M IS CANCELLED	~~March 15 to June 5th.Y~~	
520836	6;10	M IS	~~March 15 to June 5th.Y~~ FWd MI 10-7 To MI Reqst inform as to repairs 10-7 RB 12/28 Y M IS-submits summary of repairs to radio apparatus.10;19-W&Y	
525619	10;1	CO	~~Quarter ending Sept 30th.Y~~	
543370	1;1	CO	~~Quarter ending Dec 31st.Y~~	
593453	10/1	CO	Quarter ending 9/30 Y	

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N. S. E. Form 134.

162-25: CLEVELAND: RECORD OF WORK: 1921

Number.	Date.	From or To—	Subject.	
593946	10;1	CO	Quarter ending Sept 30th. Y	
		1922		
605800	1/1	CO	Quarter ending 12/31. Y	
618263	4/7	M.I.	6/5/20 to 5/21/21 Y	
619100	4/17	Boston	12/1/21 to 2/1/22. Y	
620806	4/1	CO	Quarter ending 3/31 Y	
631791	7/1	CO	Quarter ending 6/30 Y	

CLEVELAND: RECORD OF WORK.

Number.	Date.	From or To—	Subject.
		1913	
111446	11-23	M.Is	June 30 to Sept 30. Y
		1914	
121791	4-2	M.Is	Quarter end Mar 31.Y
125868	5/22	Mare Is.	Mar.31 to Apr.25.Y
126183	5/26	Mare Is.	Mar.31 to Apr.25.Y
126802	6/1	M.Is.	Mar.31 to Apr.25.Y
		1915	
173316	12-2	M.Is	Apr 25,o4 to Jna 3,15
		1916	
176919	1-17	M.Is	Apr 25 to Jan 3, 15
181376	3-4	M.Is	ditto
182039	3-11	M.Is	Apr 25 14 to Jan 13 15
182418	3-15	M.Is	Mar 19 to Sept 25

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N.S.E. Form 134.

1917

CLEVELAND: RECORD OF WORK. 162 - 25

Number.	Date.	From or To—	Subject.	
256033	---	CO	Quarter ending September 30th Y	
276471	No	CO.	Quarter ending Dec. 31.	
279531	2-2	Charleston	Jan. 21 to Feb. 2. Y.	
306605	5/1	CO	Quarter ending 3/31 - Y	
360762	10;1	CO	Quarter ending 9-30	
400569	1;1	CO	Quarter ending 12;31;18 Y	
415711	5-1	CO	Quarter ending 3/31- Y	
456127	11/4	Key West	Week ending 11/1 - Y	

NB—0120

[OVER.]

162-27

CLEVELAND SURVEYS 1922 3

Number.	Date.	From or To—	Subject.	
650471	11/7	34/23	Cylinders Pistons Eccentric Straps Y	
650803	11/14	Spec Service Squad	Copy letter to CO. rel to survey 2923 covering coal buckets Y	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

CLEVELAND: SURVEYS:

Number.	Date.	From or To—		Subject.
525620	7;8	CO	26	Vibrating bells.Y Fwd S&A. 10-30 RB-12;15
525621	7;8	CO	36	Receptacles.Y Fwd S&A. 10-30 12/24 RB Y
525622	7;1	CO	24	Various items.Y Fwd S&A. 10-30
525623	7;1	CO	20	Various items.Y Fwd S&A. 10-30 RB 12/24 Y RB 1/19/21
525624	8;23	CO	5-SE-21	Bosch magneto.Y To CO Regst engine the magneto number 11-1 CO-11;14-Y
525625	9;1	CO	6-SE-21	Soldering irons, torches, drills, etc.Y
525626	8;31	CO	4-SE-21	Main bearings, connecting rod,etc.Y
525627	9;23	CO	9-SE-21	Pipe threading tools, taps and dies.Y Fwd CO 10-30 RB-12;3-Y
525628	9;10	CO	8-SE-21	Hand sound signal horn.Y
525629	8;23	CO	2-SE-21	Rachets.Y Fwd CO 10-30 RB-12;3-Y
525630	8;24	CO	3-SE-21	Hand Klaxon horn.Y
525632	8;31	CO	7-SE-21	Compressor piston rod.Y Fwd CO 10-30 RB-12;3-Y

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N. Eng. 134

CLEVELAND: SURVEYS 1921

Number.	Date.	From or To—		Subject.
543842	12/14	CO	16	Magneto Y
543840	11/24	CO	12	Eccentric strap, Muffler, Carburetor Y
543844	12/10	CO	14	Shaft Y
Fwds	S&A 7/27	Yb RB-8;1-Y		To CO Ask to expedite action 5/26 Fwd CO 7/6 RB-7;33-Y
543844	12/13	CO	11 p	Cyliner, Carburetor, Connecting rod Y Fwd CO 2/3/21 RB-6;29-Y
543843	12/16	CO	12-16	Pump Y
553168	3/17	MI	23-21	Pulley Y
557537	4/6	MI	24	Storage batteries Y
582296	8;8	CO	27	Fwds survey with explanation-missing parts. Y
650469	11/9		33-23	Gauge Plunger Hose Y
650470	11/9		32-23	Brasses Spark Arma tures Valves Y

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[OVER.]

162-27

CLEVELAND: SURVEYS:

Number.	Date.	From or To—		Subject.
475488	1;30	CO	6	Clocks.Y
475489	1;30	CO	3	Anvils, forges and soldering irons.Y
475490	1;27	CO	4	Deck lanterns.Y
483160	3;17	M IS	30	Various material.Y
483159	3;17	M IS	15	Various material.Y
483158	3;17	M IS	37	Platform scales.Y
484167	3;19	M IS	32	Radio apparatus.Y
484566	3;13	CO	6	Miscellaneous fittings.Y
484813	3;22	M IS	41	Elec drill. Y
484814	3;22	M IS	42	Gauge testing outfit and portable elec blowers.Y
486148	3;30	M IS	43	30 foot motor sailing launch engine.Y

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N.S.E. Form 134.

162-27: CLEVELAND: SURVEYS:

Number.	Date.	From or To—		Subject.
486841	4;3	M IS	53	Electrical drill.Y etc
488017	4;9	M IS	61	Non-water tight portables.Y
488552	4/13	M Is	66	Jaw vise - Y
491920	4;29	M IS	60	Machinery in 30 ft motor sailing launch.Y To If Hull condemned machinery should be turned in to store adv. action 5-10.Copy to 30 MI and CO. RB 6/2 Y
492632	5/4	M Is	79	Hose - Y
495435	1/27	CO ongopo	4	Deck lantern - Y tion of boilers and
495446	3/27	CO	31	Thrust bearings - Y
495457	3/24	CO	14	Various material - Y Dept-copy of action to C&R-5;22-D&Y Fwd CO 5-25. Fwd Dept 6-16. RB-6;22-Y
		CO-fwds corres with survey No.14 covering various material 6;4-Y		
495460	5/17	M Is	60	Machy in 30 foot motor sailing launch-Y
497050	5/18	M Is	65	Hose - Y
498263	6/2	M Is	86	Drill and motor clutch - Y

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[OVER.]

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COLUMBIA: RADIO OUTFIT.

1915

Number.	Date.	From or To—	Subject.	
164735	8-30	Phila	Estimate for installing 5 kw set.W To--Appvs. 9/2	
167046	10-27	To CO.	Retain 1-P-76 radio rec set #391 ex TEXAS on board. W	
172102	11-24	To S&A. (2)	Reqt shipment radio apparatus to ship.W	
172438	11-29	Phila R CROSS to 898	Reqt shipment from NY Lowenstein 5 kw set. To NY--Asks efficiency of apparatus. 12/1 Phila (R) Reqt action. 12/6 To--(R) Asks radioation being obtained on seven fifty meters. 12/4 Phila set will not operate satis under any conditions; gives reasons. (R)12-7 To S&A-- Reqt shipment apparatus from NY to Phila. 12/8 NY reports in detail on difference silver and copper gaps 12/13 To NY--Return gap to contr's for repairs.12/18 To S&A -Reqt for shipment 12/18	
174105	12-17	To CO.	Radio receivers; lists equipment which will be furnished ship; reqt dta on receivers now on board. 12/17 W CO gives legion 1-12 To--Transfer rec to DIXIE. 1/21	
		1916		
175403	1/5	To NY	Wave changing switches; asks if switches were furnished with radio sets purchased under contract reqn 109 and whether shipped to Phila for COLUMBIA & MINNEAPOLIS	905

NB—0120

N.S.E. Form 134.

167 -- 6 COLUMBIA: RADIO:

Number.	Date.	From or To—	Subject.
177659	1-31	To CO.	1/4 K.W. portable radio set, type B-13; asks disposition of W
178658	2-3	CO	Personal; request Marconi wave meter for use in connection with keeping up sets on subs.W
178894	2-12	To S&A.	Reqt shipment Marconi wavemeter from NY to ship. W
179078	2-9	CO	Gives description of portable radio set on board.W
187194	4-29 5-6	DIXIE S&A	Transfer of radio material; COLUMBIA asks for signed voucher differing from original voucher on which returns ave been made. W Fwd S&A-- 5/10
189801	6-7	To S&A.	Reqt shipment one audibility meter from Wash to ship. W
190158	6-8	To Phila.	20 K.W. arc radio set; reqt plans and estimates for installation. W
191305	6-16	Phila	Arc radio sets; submits plans and estimate for installation.W Fwd C&R--Have authorized/ 6/28 RB 7/6 To--Authorized. 6/26
191609	6-16 6-27	Phila C&R	Arc radio house; plans.W Fwd C&R--Location satis. 6/28

NB—0120

[OVER.]

167--6
COLUMBIA' Radio outfit

1912

1 ✓

Number.	Date.	From or To—	Subject.	
79141	9/30	C.O.	ARKANSAS, reqt radio set belonging to Conn. and aerial from Columbia be transferred from Phila to NY, vessel to have use of during review.	121--6
			1913	
86290	12-31	Phila	Reports on. W.	
103076	8-5	Phila	Radio set;reqt. assignment.W To---will inform as soon as contract is awarded.8/7	
106610	9-25	Phila	Reqt. date delivery.W. To-- not awarded 9/29 Phila can complete work if del. 11-1. 10-1	
109867	11-7	Phila 397-357	Reqt. print showing overall dimensions and wiring diagram of radio apparatus.W	
~~109868~~	~~11/11~~	~~To Phila, NY, S&A~~	~~BROOKLYN:Radio sets, (Bu recn 109) assigned; request shipment from NY to Phila.~~	142-6
		1914		
114306	1/7	To NY	5-kw set: instructions for shipment, contract 232.	876
118723	2-25	Phila 397-357	Estimate for installing.W To---installation will be held up owing to lack of funds.2/28.	

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N.S.E. Form 134.

COLUMBIA: RADIO 167-6

1914 1913

Number.	Date.	From or To—	Subject.	
120263	3-16	Phila 6000-357	Asks if 80 volt motor generators will be ordered to replace those delivered with sets.W To---5-kw set should be assigned to TENNESSEE; reqst est. 2-kw set from TENN.should be held for SACRAMENTO.3/20	
121627	4/4	Phila	TENNESSEE; estimate for installing radio outfit originally assigned COLUMBIA	431-6
128226	6/24	Phila. 397-357	Set originally assigned transferred to TENNESSEE. Asks date of delivery of new set.W	
128222	6/25	To Phila.	& MINNEAPOLIS: sets not yet assigned.	289-6
134162	9/15	Dept. 4528-282	In view of probability of ship's being placed in ordinary, does not desire to go to expense of installing any radio outfits on these vessels.	289-3
			1915	
158612	6-22	To NY.	To NY: Have reqtd shipment of radio apparatus to Phila be expedited. W To S&A--Reqt for shipment from NY to Phila. 6/22 To S&A-- Reqt shipment Cohen set from Wash to Phila. 6/22 To Phila--Notifies of shipment; reqt estimates for installation. 6/23 NY ex-TEXAS being repaired 6-28	
160888	7-6 Fwd S&A-- Noted. 9/8	Phila	Estimate for installing.W Fwd NY--Asks if any apparatus available for installation on. 7/21 RB 8/2 To--Appvs. 7/21 To--Have reqtd shipment of rec set for assignement to. 8/4 To S&A--Reqt for shipment. 8/4 RB 8/21 TO Phila reqt estimates 8-18	

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[over.]

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COLUMBIA: SIGNALS: SUBMARINE:

1916

Number.	Date.	From or To—	Subject.
186726	5-4	To Phila.	Bu has prepared reqn for one submarine receiving apparatus and services of expert to install; auth installation. L
189664	6-1	Phila	Asks when Submarine receiving set will be received. L To-- Due for delivery July 27. 6/3
209485	12/14	CO	VOID
			1917
221611	4-3	CO	Reports inspection of submarine signal apparatus.
249153	9/14	C&R	Submarine signal apparatus - relative to not installing submarine signalling apparatus - L
279883	2-5	CO	Fwds. inspection of submarine signal apparatus. L. Fwd Washington D. C. 2-9
320900	6-28	To C O void	Re report on material for searchlights L

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N.S.E. Form 134.

167-7:COLUMBIA: SIGNALS SUBMARINE:

Number.	Date.	From or To—	Subject.	
435762	7;28	S&A	Fwds ~~xxpy~~ invoice from submarine signal co covering repairs to receiving apparatus.L Fwd S&A. 8-8	

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[OVER.]

COLUMBIA: MACH PLANT:GEN:

Number.	Date.	From or To—		Subject.
555343	4;3	Atl Flt	copy	Vessel can operate with fleet if repairs to dynamo and other minor repairs are made.A
560715	4;27	Dept		Instrns in connection with holding matl inspn.Y To Bd I&S Fwds corr from files 5/2 Bd I&S-returns corres-6;20-Y
563094	5;9	Dept		Vessel will be placed out of commission at Phila.Y
566666	5;27	Dept		Vessel will be detached from Atl Trn and placed out of commission at Phila.A
569835	6;14	Dept		Vessel will be placed out of commission at Phila June 27th.Y
570044	no date	Bd I&S		Report of matl inspn held May 9th.Y
571107	6;22	Dept		Vessel placed on list of those to be sold.Y
571212	6;15 6;22	Bd I&S C&R		Submits report of matl inspn.Y Fwd Operns via Ordn 6/27
572078	6;28	Phila	copy	Vessel placed out of commission.A

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N. Eng. 134
COMLUMBIA MACH PLANT GEN

Number.	Date.	From or To—	Subject.	
572710	6/30	Dept	Copy letter to Phila. directing appoint board to inspect vessel prior to sale. Y	
576064	7;16	Dept	Fwds estimates incident to preparation of vessel for sale.Y	
576332	7;16 7;22	Phila C&R	Submits estimates in connection with preparing vessel for sale.Y fwd Opr via Ord Nav 7-28 Dept- aut. prizes work. 8/10 Y To Comdt Phila-Appvd 8/13 Yb	
Dept-directs sale-8;22-Y Fwd S&A via C&R 8/26				
578354	7;18	Phila	Submits report of Bd Survey & Estimates relative to preparing vessel for sale.Y Fwds Dept via Ord- 8/4 Yb	
585629	9;15	Phila	All matl removed from.Y	

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[OVER.]

COLUMBIA: MACHY PLANT: GENERAL:

Number.	Date.	From or To—	Subject.	
490163	4;27 To Phila. 8/20	Phila reqst specific info	Request machinery plans.D Phila 5/28 D To Phila Plans will be furnished when prints made 6-2.	
Phila-prints are for trial-9;1-D To EC Fwds vandykes 10-29			Phila-7:26-D	
491133	4;24 5;1	CO Atl Trn	Request overhaul all boiler main stop valves operating gear renew valve discs on main stop valves on all boilers overhaul forced draft blowers,etc.Y	
Fwd Phila. Via C&R. 5-5. Copy Atlantic train & CO.				
492146	4;27 5;4	CO Atl Train	Request vessel be ordered to yard as soon as possible for repairs.Y	
501763	6;25	Dept	Copy of letter to Phila giving instrns relative to repairs on.Y	
503235	7/3	Phila	Submits estimates incident to report of Board of Survey and Estimates on main boilers. Y	167-10
505121	7;13	Phila	Submits detailed estimates covering various repairs.Y To Phila Reqst no extra tubes be delivered C C 7-17	
507687	7;8 7;23	Atl Flt Ord	Submits report of inspn.Y Fwd Operns via S&A- Med & Surg 7-27	

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N.S.E. Form 134.

167-8:COLUMBIA: MACHY PLANT:GENERAL:

Number.	Date.	From or To—	Subject.
512334	8;16	Phila VOID	Propeller report.Y
512327	8;10 8;18	CO Dept	Submits request for various urgent repairs.Y To CO Gives setting for safety valves of boilers 9-14 Fwd Operns 9-14
512618	8;19	Dept VOID	Instrns in connection with matl inspn.Y
512617	8;18	Dept 289-8	Request repairs on COLUMBIA & MINNEAPOLIS be limited to those absolutely necessary.Y
525638	10;20 10;25	CO Atl Trn	Request renew suction line from feed tanks to main feed pumps and renew upper half of both evaporators,etc.Y
528128	11;4	Phila	Confirms telephone conversation in connection with placing COLUMBIA out of commission and using MINNESOTA as flagship.Y
529651	11;12 11;15	CO Atl Flt	Request repair sections of copper pipe also fit new commutator for ventilating blower motor.Y
549971	2;26	CO	In connection with request for addtl main in engineering dept.F ~~Fwd avigh 2/5/21~~
553579	3;16 3;19	CO Atl Trn	Reqt overhaul dynamo engine overhaul aux condensers main boilers etc.Y

1918

COLUMBIA: MACHY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
357328	10/10	Dept	10/17 date of completion - Y
408552	4-7	To CO Columbia	Request recommendations as to cancellation of job orders listed. CO 5/3 Submits list of job orders to be canc- Fwd Comdt Phila. 6-9 copy to CO. CO 5/3- Submits list of job orders to canc- Y
411379	4-16	To I.M. Ny	Transfer of job order to Phila. copies to Operations-Phila and CO. Yo
424970	6;11	Dept	Copy of tel. Norf. making ship available for docking Y
435787	7;24 7;28	Phila C&R	Lists job orders which have been cancelled. Y Fwd Ordnance. 8-4
448773	9;24 10;1	Dept Ord	Submits report of inspections Y Fwd Operations via C&R-S&A-S- 10-3

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N.S.E. Form 134.

COLUMBIA: MACHY PLANT: GENERAL

Number.	Date.	From or To—	Subject.	
461232	12-2	Dept.	Vessel made avail at Phila for dry dock.	Y
461587	12-4	Dept	Instructions in conn with holding material inspection; Y To Bd I&S- Fwds correspondence. 12-8 Bd I&S-returns corres-2;18	
463908	12/17	Atl Flt copy	Board of Inspection and Survey will conduct material inspection on COLUMBIA & CHEYENNE at Philadelphia Dec 19th. Y.	157-8
465714	12;27	Phila copy	Vessel docked for 2 days.A	
			1920	
471411	no date	Bd I&S	Report of material inspection held Dec23.Y	
479234	3;2 To Phila Gives list of work authorized CC CO 7-6. To Phila apprvd CC CO 7-8.	Phila (2 letters)	Fwds reports of Bd of Survey & Estimates.Y Fwd Dept. 3-10 RB-3;17 Fwd Dept. 3-12 RB-3;18 To Phila. copy to CO.Auth work at estimated cost of $3799. 3-19 To Phila- Bu recommendation appvd by Dept and work to be performed when vessel is available. copy to CO/ 3-20 Phila- Subm estimate. 7/2 Y Phila 7/2- Subm estimates. 7/2 Y	
488219	4;6 4;17	Atl Flt C&R	Submits report of inspection Y Fwd Operations via Ord-Navgn-S&A-M&S. 4-20	

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[OVER.]

1918

COLUMBIA: MACHINERY PLANT: GENERAL

Number.	Date.	From or To—	Subject.	
297012	4-11	Dept	Material inspected to be held at NY. Y To Bd I&S--Fwds corres listed. 4/13 Board I & S - Returns papers. 5-15	
297440	2-21	CO	Submits list of alterations required - recommends repairs be completed by April 25th only be undertaken. Y	
295693	4-8	Phone NY	Alterations. Yd stated desires to enlarge vapor piping from the evaporators to the distillers. Bu stated work auth not to delay the vessel. Y	
297708	4/4 4/10	CO NY	Alter design of safety valves - install steam traps instead of vance - Y&N	
303138	4/24 and 25		Fwds report of material inspection Y To Dept- Submits recommendations for items. 5-13 RB To Dept, Rqsts inform. re Material inspe, 5-28 R B 6/4 To Phila, re material inspection, 6-5 To NY, re Material Insp. and transfer of job Ordersfrom NY to Phila, 6-5	6/4-Y

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N. S. E. Form 134.

167 - 8 COLUMBIA: MACHY PLANT: GENERAL

Number.	Date.	From or To—	Subject.	
307238	5-5	NY	Repairs to 32 KW armatures - repairs to shells? of evaporator. Y Fwd Dept, 6-5	
324951	7-6	CO	Request repairs to pipe and HP cylinder liners. Y To Phila, Enclosing letter re urgent repairs 7-11	
344576	9-3	Dept	Authorizes repairs by outside contrs - Y	
345729	9/1	CO	Repairs to steam line - boilers - valves - piping - pumps - etc - Y	
348720	9/9	CO	Alterations - manuf shields for boiler hand hole plates for casings around thrust shafts - etc Y Fwd Dept, 9-17 To Dept. 9-17 R B 21 To CO, Comments on alterations 9-23 Fwd Phila 9-23 To Phila, rqst return of papers 10-14 To Phila. 9/23 R.B. Oct. 23	
356103	10:2	At. Fleet CANCELLED	Burney Gear docking for installation Y	

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[OVER.]

COLUMBIA: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
246371	8/15 8/27	Phila Atl Flt	Relative to date on which vessel should visit Yd for undergoing repairs Y ~~Fwd Dept via C&R--8/30~~
~~247902~~	~~9/5~~	~~Dept~~	~~Military inspection Y~~ Fwd Dept via Ord S&A Navgn M&S--9/10
248092	8/13	CO	Alterations - install mechanical telegraph, additional plug receptacles , alter design of safety valves, furnish eight force draft gages for fire room , replace search lights - Y To Phila.- Outlines action. 9-18
249548	9-17	Dept	29th date of completion.Y
263357	11/26 Fwd Phila-	Dept 1-23 R B 2/9	15 days work authorized.Y To NY- wds weekly report of work. If can be completed within the time allowed it is auth.11-27 To NY- reqts expedite report 1-8 NY - 1/9 - Y
264855	12/3	Dept	12/23 date of completion - Y
278350	2-2	Phone NY	Repairs to be undertaking during time required for renewal of section of main steam line. Y Phone NY-Yard reqt auth to undertake work auth. 2-2

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N. S. E. Form 134.

COLUMBIA: MACHINERY PLANT: GENERAL. 167 - 8

Number.	Date.	From or To—	Subject.
278812	2/2	Dept	Feb 18th date of completion - A
288009	3/5 3/9	NY Dept	Reports on material conditions of ship on leaving Yd - Y To Phila- Reqts return weekly report of work when served purpose. 3-13 To NY-Directs trans job orders to Phila. 3-13 Phila - 3-25
285633	2-22	CO Fwd Dept via C&R 3-13	Alteration-install feed water heaters, shift bilge pumps-install dampers and uptakes and remove donkey boilers. Fwd Operations. 3-5 RB3-9. Y To- Items 1 and 2 disapprvd by Dept. 3-11
290076	3/15	C&R	Copy of letter to NY & Phila transferring job order to Phila Yd - Y
295141	3-21	CO	Request repairs to piping, furnace ? Y
296229	4/8	Atl Cruiser Flt	Urgent repairs to shafting, machine piping, boilers, Y

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[OVER.]

1916

COLUMBIA: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
196516	8/14	Phila	Request plans.D
200692	9-29	Dept	Repair limit Oct 31.Y
209349	12-5	CO	Report of new CO.Y Fwd Dept--1/25
		1917	
210567	1/5	To Key West	Fwds full set of machinery plans of. D/
214870	2-12	CO	Submitslist of uncompleted JOs.Y
216518	2-27	CO	Request that installation of an additional 32 kw gen set and templets for main steam piping in fire rooms be expedited.Y ~~Fwd Phila--Est appvd. Directs expedite~~ assembly of material. 3/3 RB 3-17
Phone	4/24	Phila	Re whereabouts. Y

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N.S.E. Form 134.

COLUMBIA: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
228480	5/14	CO Copy	States will arrive Phila for repairs on 16th Y
231900	6/4	Dept	Changes base port and temporary repair yard from Chasn to Hampton Rhodes and Norf Y
237202	7/7p	Dept	Report of military inspection Y Fwd Dept via C&R Ord Navgn S&A M&S--7/16
239987	7/10	CO	Repairs to dynamo engines , anchor engines, ice plant, evaporators, renew certain sections of main steam lines Y Fwd Dept--8/1 R B 8/4 Fwd Phila via C&R--8/4

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[OVER.]

COLUMBIA: MCHY. PLANT: GENERAL. 1915

Number.	Date.	From or To—	Subject.	
171983	11/22	CO	Install strainer on suction of distiller circulating pump; run voice tubes and call bells from engine steering to call bell station.Y Fwd Phila--Item 1 authorized. 12/1 RB 1/3 To C&R--For work under its cog. 12/1 C&R C&R work auth 12-2	
173911	11-29	Bd I&S	Material inspection.Y	
175178	12-30	CO	Reqt self starter for lighting system, motor barge, ash elector in fire rooms, elec motor in machine shop.Y Fwd Dept-- Rec disappvl. 1/6 RB 1/8 To--Disappvs. 1/10	
175978	12/30	COLUMBIA	1916 Submits estimate for renewing studs, safety valves, lagging boiler, etc	167-20
176088	1-11 Fwd Dept-- 2/8 RB 3/15	Phila	Report of board of survey and estimates. Y Fwd Dept--Recommendations. 1/26 RB 1/28 To-- Gives action on. 1/28 Phila comments on dates of completion 2-7	
176070	1-12	Dept	Available for work up to Jan 31 Y	
181440	3-7 3-11	Phila Dept	Reports material for work recommended by Board survey assembled.Y Fwd C&R--Noted. 3/13	
182970	3-23	Phila	Laundry; estimate for piping and elec work.Y To-- Work authorized. 3/29	

NB—0120

N.S.E. Form 134.

COLUMBIA: MACHY PLAN 167-9

Number.	Date.	From or To—	Subject.
188652	5-22	Dept	Copy of letter to Phila stating vessel available for ~~sec~~ work from June 1 on boilers and other auth repairs. Y
189499	5-31	CO	List of work to be done by ships force.Y
190006	6-3	Dept	Repair limit Aug 15.Y
193776	6/30 7/13 7/17	CO Phila Dept	CO requests work be expedited to complete within repair limit, Aug. 15th; Yard reports impossible to complete authorized work before Aug. 15th; extension probably necessary; request authority to work overtime.Y Fwd Dept--Overtime work not recommended; rec extension of date of completion, if necessary. 7/17 Dept Copy tel to Phila- Overtime not authorized. 7/18
194096	7/19	Dept	Repair limit extended to Oct. 14th.Y
194708	7/17	Dept	Military inspection; fwds report.Y Retd Via C&R-S&A-M&C--Noted. 7/28
195428	7/25 7/31	CO Dept	Fwds correspondence on defects developed in machinery after commissioning, with particular reference to defects in shaftings, bearings, etc.Y (Cross to 14) Fwd Phila-- For estimates 8/2 RB 8/19 Fwd Dept 8/23 RB 8/25 Fwd Dept 8-23

NB—0120

[OVER.]

COLUMBIA: MACHY PLANT. 1915

Number.	Date.	From or To—	Subject.
144500	1-9 1-12	Phila Dept	& MINNEAPOLIS; completion indefinite; reqt authority to cut down weekly report of work.Y Fwd Dept Via Ord-- Rec appvl· 1/15
144501	12-10 1-4 1-14	Phila Dept C&R	& MINNEAPOLIS: submits approx amount of work still required on; suggests be converted into mother boats for SUBS by removal of one set of engines and reducing boiler power; C&R objects. D Fwd Dept Via Ord--Rec be not converted as submarine tenders· 1/15
158537	6-27	Dept	To be placed in full commission as soon as practicable.Y
158916	6-23	Phila	Report of board on inspection and examination prelim to commissioning.Y Fwd Dept Via Ord-S&A-- Noted· 6/28
163179	8-6 8-11	CO Phila	Reqt additional allotment to cover repairs.Y Fwd Dept appd 8/12. RB appd 8/13 Fwd Dept agreeable 8-12 Phila will proceed 8-13 To Phila (R) allots $5500 8-13(2)
163249	8-12	Dept	Repair limit Sept 4. Y
163818	8/19	CO	Reqt complete set of plans.D
165095	9-4	CO	Reqt alterations to reducing valves, obsoltet traps, main air pump exhaust, by-pass to ice machine air cooler; etc. Y Fwd Phila--For est and rec.9/9 RB 10/4 Fwd Dept-- Recommendatio s. 10/6 RB 10/8 Fwd Dept--10/9 RB 10/12 To Phila--Gives action on. 10/9

NB—0120

N.S.E. Form 134.

COLUMBIA: MACHY PLANT. 167-8

Number.	Date.	From or To—	Subject.
166057	8-6 8-28 9-17	Phila Dept C&R	Statuatory limit; reqt ruling on proper charges against. Y Fwd Dept-- Concurs in. 9/18
166296	9/4 9/16	CO Sub Flo	Repairs to main engines, condensers, piping, valves; retube 8 boilers. Y To Phila--Submit reqn for material for retubing/ 9/23
166953	9/29	Phila	Boiler and condenser vandykes; reqt. D
167714	9-16 10-4	At Sub Flo Phila	List of repairs. Y Fwd Dept-- Recommendations. 10/11 RB 10/13 To Phila--Gives action on. 10/13 Fwd Dept via C&R-- 10/13
168325	9-4	CO	Retube 8 boilers; repack main condenser, repair main engine throttle, pumps, steam line. Y To Phila 10/16 Phila submit report 12-3 To Phila--Appvs action 12/7
168456	10-15	Bd IS&	Reqt repair papers To--Fwds papers 10/16 Bd I&S returns 12-27
170731	11-8 To Via Phila--Gives action. 11/16	CO	Alterations to piping, install relief valve galley steam line. Y Fwd Bd I&S-- 11/10 To--Reqt fwd to Bd I&S. 11/10 CO reqt action 11-12 Fwd Dept--Recommendations. 11/13 RB 11/16
170962	11-11	CO	Alterations to fresh water pumps, feed pumps, exhaust lines. Y To-- Work authorized 11/13

NB—0120

[OVER.]

COLUMBIA: MACHY PLANT. GENERAL.

Number.	Date.	From or To—	Subject.	
95974	4-26 4-28	Phila Dept	& MINNEAPOLIS: progress of work and amount expended.Y Ret Dept via Ord and C&R.4/29.	
96601	4/26	Phila. 397-45-3	Statement of expenditures on authorized repairs and amount necessary to complete under SM. Y Fwd Dept.rec previous approvals not completed be regarded as void.5/10. To---Instructions.5/15.	
96602	5/6	Phila. 397-10	Summary of expenditures for new work and amount necessary to complete.Y Fwd Dept.rec appr.5/10. RB 5-15 To---instructions.5/15.	
98887	5-29 6-6	Phila Dept	Reports inability to complete repairs by middle Aug. Time limit extended to Nov. 1st.Y Ret Dept.via Ord,S&A and C&R.6/7.	
104523	8-23	Phila 397-451-6	Recd. lump authorization of $7500 be made to cover repairs that have developed during overhaul period.Y Fwd Dept.with rec.8/28. RB 9-2 To--Authorized at his Discretion 9/2	
108505	10/17	Phila	& BROOKLYN: have concentrated force on other work at Yard, probable dates of completion Jan. 30 and March 14.	142--8
109049	10/29	Dept	& BROOKLYN: dates of completion, Jan 30 and March 14.	142--8

N.S.E. Form 134.

COLUMBIA: MACHY PLANT. GENERAL 167-8 1914

Number.	Date.	From or To—		Subject.
114323	1-5	Dept	4526-336	& MIN EAPOLIS: directs material inspection Phila.Y
114435	1-7	Bd I&S		& MINNEAPOLIS: reqt repair papers.Y To---fwds papers.1/14.
115607	1-20	Bd I&S	213	Material inspection; fwds. Y
121083	3-28	Dept		& MINNEAPOLIS; SALEM; CHESTER; BIRMINGHAM: Senate Resolution 317 directing these vessels be prepared for duty as mail, passenger and freight transports between NY and South American coast; directs estimates for placing in condition without detriment to military efficiency. C To Dept. gives available data.3/31. Panama Anal "Ancon" and "Cristobal; gives data on 4-4 Nav.4/3 reqst data on addtl ships.M To Nav.gives data.4/6.
131597	8-5	Dept		& MINNEPAOLIS; and other cruisers; bill establishing line of ships between NY, New Orleans, and South American ports; reqt. steaming radius of various vessels named be supplied.M To---fwds data.8/7
136043	9-28 10-5	Phila C&R		& MINNEAPOLIS; re completing repairs and commissioning. in connction with BIRMINGHAM & PANTHER.Y Fwd Dept-- Recommendations. 11/25

NB—0120

[OVER.]

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COLUMBIA: MACHINERY PLANT: GENERAL:

FILE No.		From or To— (Dated)		Subject.	
30836	2/26	Phila	14-6	Reports final cost of repairs to.Y Fwd Dept. Rec.Congress be asked to auth. addtl expenditure 2/4. R.B. 2/10 enclosure to 23181. 2/18 (T)to -- Reqst cost of constrn work 2/20.	
32019	2/20	Phila.Yd	T	Submits (corrected increased) estimates. Y	
32732	3/1	C&R	4465-E.44	Fwds prints of body plan and cross sections.D To-acks. 1/3	
37288	4/26	Phila	397-6	Asks if work covered by revised estimates is to be authorized.Y Fwd.Dept for information.4/29. RB.5-10 stating will ask Congress for auth. to expend $60,000 in excess of the limit. 5/12 To -- Advising.5/13.	
				1912	
				1913	
92282	3/12	To Phila		& Brooklyn: reqt information as to when work will be completed, etc	142--8
93301	3/20	Phila		Prospects ofwork in Hull division for next quarter, re necessity to lay off men due to lack of work.	689--15
93639	3/28	Dept		& BROOKLYN: directs work on be resumed	142--8

NB—0120

COLUMBIA: MAIN ENGINES:

1913

Number.	Date.	From or To—	Subject.	
105915	9-13	Phila	Reqt. vandyke of setting of main engine valve.Y TO -- fwds 9-22	
			1915	
163885	8/20	Phila R	Reqt authority to manufacture surfacing shell for crank pin, main engines.Y TO -- (R) auth 8-21	
171831	11/18	CO	States packing fitted on piston rods and valve stems of main engine by the United States Metallic Packing unsatisfactory; recommends bid of the France Packing Co be accepted and material installed.Y&R To-Instructions. 11/23 To U.S.Metallic Pack Co--States packing furnished unsatisfactory. 11/23 Packing Co. will have men examine nov 29	11-24
			1916	
193287	7-7	CO	Reports on condition of main engine crank shafts, malalignment,etc. Y	
193815	7-18	~~To~~ Fwd Dept.	Recommend removal of crank shaft journals to shop to turn them to uniform diameter.Y RB 7/21 To Phila-- Work authorized. 7/21	
			1917	
217804	3-7	CO	Returns original trial board report and gives results using middle engine, 10 know speed in connection getting more economical fuel consumption.D Fwd C&R--Noted.3/14	

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N.S.E. Form 134.

COLUMBIA : MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
229719	5/21	Norf	Request prints of turning gear D	
235245	6/22	CO	Request parts for jacking engine be mangg Fwd Phila 6/25 Phila (R) request vandykes 7/2 1920	Y
530249	11;17 11;18	CO Atl Train	Request manufacture piston springs for main engine.Y	

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[OVER.]

COLUMBIA: BOILERS: 1919

Number.	Date.	From or To—	Subject.
445195 6	10-3	To CO (SEE CARD 3)	Alterations. Gives detail action. copy to CO and ATL FLT- Dt Atl Train-fwds corres--11;3 Fwd Cpr via C&R 11/10 RB-12;1 Fwd Comdr TraiN ATL FLT via C&R. 12-2
485188	3;18	CO	Load of safety valves and boilers has been reduced to 125 pounds-submits report covering leaks which have occurred.D&M To CO- Phila yard auth to undertake boiler repairs. copy to Phila. 4-6
489599	4-26	To S&A	Reqt shipment boiler tubes from Brook to Phila. serial 2377. Y RB-7;1-Y To SO Brook Reqst complete shipmt be made CC SO Phi Fwd SO Brook 6-23. 6-5-RB-6;17- EXFSB-shipment made June 30th.Y
503234	7;3	Phila	Submits estimates incident to report of Board of Survey and Estimates on main boilers.Y 8
503061	7-6	Pho To Phila (Cap Williams)	Boiler Tubes: Reqst for Samples Y. Phone To Phila Reqstinform as to when sample boiler tubes were shipped 7-9. To CO COLUMBIA 8/10 CO-fwds main boiler tubes showing pit holes-10;22

Phila-7;8-NY
Phila-7;10-Y
Phila-report on tubes of boilers 1,2,3 and 4-8;6-Y
CO-fwds diagram oftube ends-10;6

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N.S.E. Form 134

Number.	Date.	From or To—	Subject.	
504052	7-8	To CO~~41~~	Boilers Gives analysis made by Bu from steam log adv if correct 7-8. re using boilers for trimg ship CO-7;14-C To Bd I&S Fwds samples tubes 7-14 RB-8;5-C&T	
504820	7;10	Dept	Retubing of only 4 boilers will be undertaken at this time.Y Dept-copy of action to Phila-7;10-Y To Phila Informs re Boiler CC CO 7-14 Phila-recommends job orders covering work on boilers be cancelled-9;25-Y To Phila Gives form cc CO 9-28	

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[OVER.]

COLUMBIA: BOILERS.

1918

Number.	Date.	From or To—	Subject.
280176	1-28	CO	Fit dampers in boiler uptakes remove donkey boilers install feed water heaters to increase steeming radius. Y.
	1-28	Atl. Cru. Force.	Fwd Operations 2-26 RB 3-5 To- Installation of two high pressure feed water heaters disappvd. 3-8
293473	3-23	CO	No 6 and 7 boilers - reports ~~were~~ on condition of. Y
294371	4/1	Dept	Boiler repairs will be available at NY - Y Phone NY- Yd inform that work of elec welding of the boilers can be done at any time. 4-3
295127	3-30	CO	Reports on condition of No 6 and No 7 boilers. Y Fwd NY- 4-8 New York 4/18 received back 5/2 Y To CO. States that safety valves on boilers may be set to blow at 150 lbs. per sq.in. p.5/7 CO - relative to setting safety valves - 6/14
295544	3/31 4/4	CO Atl Flt	Install Lytton steam traps to replace Vance teaps.

N.S.E. Form 134.

167 — 10 COLUMBIA: BOILERS:

Number.	Date.	From or To—	Subject.	
294852	4-4	Phone NY	Main boilers- Have examined two of the main boilers and that they can be repaired by elec welding within seven days. Y	
297064	4-3 4-9	CO NY	Change distiller piping.	
374424	12-2 12-3	CO Atl. Cruiser	Request manufacture 12 stay bolts and nuts	Y
426746	6;16	CO	Submits list of tubes which have been blown out since Jan 1 Y	
445195	8/13 9/9	CO Atl Flt	Reqst 2 boilers be converted to oil burners - D (Cross to 16) Oil Fuel Sys	
Fwd Operations via C&R. 9-15 copy to CO and Comdr Train and ATL FLT. RB-9;30			C&R-9;29	

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[OVER.]

COLUMBIA: MAIN BOILERS.ETC.

1916

Number.	Date.	From or To—	Subject.
192443	7-3	Phila	Ordinary tubes received; stay tubes for 6 boilers; reqt balance be furnished by July 15. Y To Pitts--Expedite tubes. 7/7 Pitts final shipment made July 5 7-10
192791	7/6	Pitts	Final shipment of boiler tubes wentforward on the3rd.Y
194553	8/22	Phila	Boiler tubes; delivery completed·Y

1917

Number.	Date.	From or To—	Subject.
217431	2-23 3-9	At Sub Dept complaints. Bu SE	Fwds corres in connection with condition boiler shells; poor condition should have been determined before money was expended for retubing; responsibility rests with Bu SE. Dept request report.C To Phila--Reqt report of work. 3/12 Phila submits report on work done 3/17 Fwd Dept--Detailed argument against charges of Atl Sub. 3/19 RB 4-24 Phila (personal) letter reporting on 3/20 To Phila--4/26 Fwd Dept--4/26
223051	4/16	CO	VOID
226539	2/12	CO	Method for improving forced draft system.Y To Phila--Work auth.5/9 Fwd C&R--5/9

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N.S.E. Form 134.

COLUMBIA: MAIN BOILERS.

Number.	Date.	From or To—	Subject.	
232238	6/6	Phila	Boiler shaft - reports on condition Y	
263127	11/21	CO	Fit spark screens of smoke pipes - Y To Phila- Installation of dampers auth. 11-26	
269011	12/21	Phila	Request plans of uptakes and smoke stacks - D	
			1918	
	1/14	CO	~~Donkey Boilers - reports on condition of - D~~	
275035	1-22	Fwd Dep via C&R RB Jan. 29 D	Removal of aux boilers. Recommends be removed if satis to C&R. D-Y To- 2-14	
278335	1-30	CO	Main steam line requests authority to set safety valves at 165 lbs. when work is completed D To- Satis to reset vaves to blow at 165. 2-4	
292551	3/23	CO	No 6 & 7 - Boilers - reports on condition of - Y To Operations. Recomends that the COLUMBIA be made available for examination of main boilers and such repairs by elec welding as are found necessary. 3/27	

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[OVER.]

COLUMBIA: MAIN BOILERS: ETC.

1913

Number.	Date.	From or To—	Subject.
107940	10/13	Phila. 397-150	Donkey boilers and smoke pipes; submitted estimates for repairs.Y Fwd Dept·rec appr·10/16. RB 10 22 To---removalappd.10/22 Phila recommends against 10-24 Fwd Dept.rec disappr.10/27 RB 10 29 To---disappd.10/29
133337	8-31	To Norf.	Req shpmnt to Phila of one navy standard boiler water testing outfit. To S&A-- Shipment reqt. 8/31 rb 9 14, reporting shipment.

1915

Number.	Date.	From or To—	Subject.
159771	7-7	At Sub Flo R	Reqt safety valve setting.D To Via Phila--Take up with Engineer Officer re hydraulic test of. 7/7
160709	7-13	CO	Reqt authority to turn in zincs and baskets. Fwd CO Via Phila-- Appvs; call survey 7/16 RB 7/27
161685	7/23	CO	Reports on condition of main boilers.Y To Phila--(T) Send samples of rivets to Bu. 7/28
161686	7/27 7/27	CO Phila	Recommends retubing of boilers.Y CO--reqt be expedited 7/29 Fwd Dept 7/30 RB appd 7/31 To Phila--(T) Auth retubing. 7/31 CO R Estimates filaed include material; reqt additional allotment for. 8/3 To CO--Yard states work can be completed within limit; no action at present.8/4 Fwd Phila--8/4
162459	7/29	Phila	Defective tubes; fwds samples.Y

N.S.E. Form 134.

COLUMBIA: MAIN BOILERS: ETC. 167 — 10

Number.	Date.	From or To—	Subject.	
162800	8/6 8/6	CO Phila	Retubing of boilers; reqt additional allotment to cover material.Y	
163941	8-19	CO	Reports on drill test boiler No 8. Y	
172641	11-24	Phila	Main boilers; fwds samples of worst stay and ordinary tube; believe safe until new tubes can be assembled.Y To--Noted 12/1	
			1916	
178807	2-10	Phila	Evaporators; request instructions relative to issuing ~~in~~ steel tubes in store for MINN; ship refuses to take. Y To--Issue coil to. 2/15 Phila will become charge against Bu appro when issued 2-21	
181469	3-4	CO	Reports changes made in evaporating plant.YD To--Auth changes in. 4/19	
188408	5-10	Phila	Boiler tubes; ready for inspection between may 22 and 29th; Y To Pitts--Instructions. 5/20 Pitts efforts being made to expedite 5-24 Pitts car of tubes shipped 5-27 Pittsone car tubes shipped June 1; 6-1 Pitts reports on status of dely 6-20	
192028	6-27	Pitts	Boiler tubes; 325 accepted; bal 301 ready July 1. SY	
157	6/29	To Pitts	Boiler tubes; satis to accept	629

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[OVER.]

COLUMBIA: AUX MACHINERY:

Number.	Date.	From or To—	Subject.	
464866	12;22	CO T	Request authority to purchase in open market generator for barge of Comdr Train. Y&L Fwd S&A. copy to CO. 12-23 RB-12;29	
468134	1/10	To COLUMBIA	Request parts of engine 3975 be turned in at N.Y. Yb	611-2
481044	3/11	C&R	Copy letter to N.Y. reassigning 30' steamer 3715 to issue previously assigned to COLUMBIA. Y	611-1
483242	3/23	C&R	21' motor dory 2298 received by COLUMBIA Y	611-2
494262	5/18	To COLUMBIA	Asks if have on board motor dory 2298- Y	
534538	12/11	C&R	Copy of letter to CO COLUMBIA authorizing turn in 21 ft motor dory 2298. Y	611-11
551052	3/11	Norfolk	35' Motor Boat 6522 issued to CO COLUMBIA Y	611-12
553265	3/23	Norf	35' motor boat 6522 shipt to COLUMBIA Y	611 -12

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N.S.E. Form 134.

COLUMBIA: AUX MACHY 1921

Number.	Date.	From or To—	Subject.	
561752	5/3	C&R	Copy of letter to CO COLUMBIA disapproving change Y	611-2
570039	6/16	C&R	Copy of let to Phila asking if 35' motor boat 5023 was turned in at Yard from CO COLUMBIA Y	611-12
572552	6/30	C&R	Copy of letter to Phila asking if COLUMBIA turned in 35' motor boat 5032 damaged by fire. Y	611-12
577829	7/28	Norfolk	Motor boat 5032 recd from CO COLUMBIA and placed to survey Y	611-12
576834	7/22	C&R	5032 turned in at Norf by CO COLUMBIA Y	611-12
600374	12/13	C&R	30' motor sailing launch 306 & 24' motor sailing launch 3198 will be turned in at N.Y. by CO COLUMBIA Y	611-2

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[OVER.]

Number.	Date.	From or To—	Subject.	
415338	4/28	CO COLUMBIA	Motor boat received from New York Y	611-2
415990	4/30	C&R	COLUMBIA, motor boat 5023 assigned to Y	611-2
429230	6/28	C&R	33' motor sailing launch 1963 rformerly on board COLUMBIA condemned. Y.	611-2
431175	7/2	COLUMBIA	G.G. engine 2446 condemned by survey at Nori. Y.	611-2
431874	6/27	COLUMBIA	ONE MOTOR BOAT RECEIVED FROM SUPPLY.	611-2
431880	6/24	COLUMBIA	Motor boat surveyed and turned at Norf. Y	611-2
434787	7/23	C&R	Copy letter to COLUMBIA asking if 35' motor boat has been turned in at N. Y. Y.	611-21
435949	7/29	C&R	Copy of letter to N.Y. in connection with 33' motor sailing launch and 33' steamers for COLUMBIA: Y.	611
438922	8/9	C&R	33' motor sailing launch 7805 assigned to COLUMBIA Y.	611-2
439125	8/6	COLUMBIA	Report of receipt of motor boat from N.Y. yard; Y.	611-2

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N.S.E. Form 134.

COLUMBIA AUX MACHINERY

Number.	Date.	From or To—	Subject.	
442504	8/28	C&R	Cy letter to COLUMBIA stating 40' motor sailing launch 2147 turned in by NEVADA at Norf to be held for COLUMBIA Y	611-2
SE 31	9/12	To CO	Action on remb being withheld pending rec of info covering R	
449483	10/4	C&R	Copy letter to COLUMBIA in connection with replacing 33' motor sailing launch and 2 cutters; Y.	611-2
448857	10/2	To Steam Engineering	Phone: Paymaster Merritt, USS COLUMBIA states parts needed for repairs to Admiral H. McL P. Huse's barge on board in North River- Approval- reqst reqn be submitted covering. R	611-2
449942	10/8	C&R	33' motor sailing launch 1718 on board COLUMBIA turned into yard for scrap Y	611-2
452114	10/16	C&R	33' motor sailing launch 3369 will be issued to COLUMBIA Y	611-2
460392	11/29	To COLUMBIA	Reqst report in re to discrepancies between record and log reporting engines of power boats. Y.	611-2
461557	12/4	C&R	Copy letter to Atlantic Fleec asking when 35' motor boat 15293 on board COLUMBIA is turned into store. Y.	611-2

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COLUMBIA: AUXILIARY MACHINERY.

917

Number.	Date.	From or To—	Subject.	
265455	12-3	CO	Install ash ejectors.Y	
266800	11/21 12/3 12/12	CO Phila C&R	Installation of ash ejectors - Y Fwd Dept-12-15 R B 12/19 To- Proposed install disappvd by Dept. 12-20 Fwd C&R-1220	
269253	12-22	NY Reports boiler 1969	installed in COLUMBIA'S cutter 1981. Y	611-1
281923	2-14	NY COLUMBIA	Engine 2888 installed in launch 3372 - COLUMBIA - Y	611-2
285287	2-27	NY	GG engines 2888 shipped to Columbia for motor boat 3362. Y.	611-2.
284998	2-29	Columbia.	Power boats. Discrepancy betwen Bu records and log submitted. Y.	611-2.
306348	5-15	COLUMBIA	Asks number of engine in launch 3372	611-2
318753	6/20	C&R	Norf authorized to issue motor sailing launches to the Fulton and Columbia. Y	
384137	1/4	C &R	Auth NY to issue 35' motor boat to COLUMBIA. Y.	611-2

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
386918	1/18	C&R	35' motor boat 7763 del to COLUMBIA Y	611-2
388969	1/15	CO COLUMBIA	Submits report of loss of boat Y	611-2
393274	2/5	CO COLUMBIA	C&R 2/8 submits report on #s of motor sailing launch 3372 Y	611-2
392943	2/6	C & R	Cpy letter to Norf directing deliver 33' motor sailing launch to COLUMBIA Y	611-2
395964	2/18	C&R	COLUMBIA 33' motor sailing launch 5160 shipped to	611-2
402247	1/19	C&R USS COLUMBIA	3/15 Steamer 1981 turned in at NY COLUMBIA	611-1
403702	3/18	C&R	30' steamer 1981 temp turned in by CO COLUMBIA AT New York. N.	611-1
412106	4/18	C&R	Copy of letter to Norf in connection with 33 foot motor sailing launch to Columbia.	611-2
413506	4/24	C&R	33' motor sailing launch 1974 delivered to COLUMBIA Y.	611-2
413814	4/25	C&R	DDirects NEW YORK loan COLUMBIA 35' motor boat in connection with Trans-Atlantic Flight Y.	611-2
414772	4-16	CO.	One motor boat received from New York.	611-2

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COLUMBIA. auxiliary machy

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Number.	Date.	From or To—	Subject.	
		1913		
100441	6/27	C&R	Reports assignment of steamer 533 to	611--1
101216	7/10	C&R	32' steam launch to be converted into motor sailing launch 1452 for.	611-2
		1914		
114578	1/9	Phila	Reports receipt of engine 2297 for motor sailing launch 1452.	611--2
118574	2/24	NY	Will expedite shipment; sets for COLUMBIA and MINNEAPOLIS; shipped Jan. 31st and Feb. 17th.	142-6
122552	4/15	Phila	Reports receipt of 2311 for launch 1452	611-2
		1915		
159123	6/28	C&R	Assigns motor sailing launch 1963 in lieu of 1452 COLUMBIA; latter assigned VULCAN	611-2
163549	8/14	NY	Engine 2406 installed in launch 1963	611-2
165951	9-14	Phila	Engine 610, steamer 533, eng 412, steamer 657 delivered	611-1
165952	9-14	Phila	Eng 2446 launch 1963 delvd	611-2
168448	10/14	FULTON	Reports transfer of motor boat 1305 and 1718 to COLUMBIA	611-2

NB—0120

N.S.E. Form 134.

1916

COLUMBIA: AUXILIARY MACHINERY. 167 -- 11

Number.	Date.	From or To—	Subject.	
178317	2/7	To CO	Discrepancies in report on power boat machinery	611-2
182774	3/23	CO	GG engines; reco mmends alteration in design air intake pipes	611-4
183492	4/1	Phila	KK engine 2289, launch 2151, ordered repaired	611-2
186746	5/4	CO	Motor boat 1305, engine 3225?; reqt order be placed for new cylinders	611-2
190093	6/1	COLUMBIA Lt. Church, Personal	Reports on poor condition of Sterling engine 3259; request be replaced	611-2
193358	7-12	TO	Sterling engine 3226; asks number of boat in which installed	611-2
203174	10/21	To COLUMBIA	Bu record shows Sterling engine on Motor Boat #1305 as 3236 instead of 3226 as reported.	611-2
204714	11/4	CO	Reqt data on motor boat C-217	611-2
208662	12/14	C&R	Reports exchnage of motor boats between and COLUMBIA; 2746 and 1305	611-2
Surv 17	1/12	FWd CO	Reqt further investigation to place responsibility.	
254629	10/12	C&R	New Power boat allowances for	
256743	10-25	C&R	Sailing launch 3272 and steamer 1981 selected for	611-2

1917

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[OVER.]

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COLUMBIA: CONDNESERS:

Number.	Date.	From or To—	Subject.
264798	12-3	Phone NY & CO	Reqt for condenser tubes tinned. Yd stated that tinning of tubes could be satis done. Y
553462	3;17 3;19	CO Atl Flt	Fwds samples of condenser tubes and ferrules showing poor condition of.Y To CO Gives comments cc C-I-C Atlantic- Phila 3/28 CO-4;4-Y

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

COLUMBIA: HEAT:REFRIG: VENT.

1913

Number.	Date.	From or To—	Subject.	
98818	6-4	Phila	Ice machine piping;est for lagging. Fwd Dept.rec appr.6/6. To---appd.6/10.	
			1915	
161236	7-12	CO	Refrig plant; reqt plans of return air cooler. D Fwd Dept-- Rec disappvl. 7/23 RB 7/23 To Phila--Disappvs. 7/26	
161952	7/27	CO	Recommendations for improving ventilation by use of elec fans. L To-- Changes in. 7/30 RB 8/28	
173196	12-1	CO	Reqt 2 additional radiators in flag office. Y To Phila--Auth to manuf. 12/7	
			1917	
Norf 996	1/29	To Norf	Reqn for recooling coil withheld pending receipt of infor as to why this coil should not be manufd at Navy Yard. R	
278791	2-5	Phone NY	Steam line. Renewal of gaskets and building up of flanges. BU stated Dept auth work. Y	

NB—0120

167-13

N.S.E. Form 134.

1919

COLUMBIA: HEATING REFRIG MENT.

Number.	Date.	From or To—	Subject.	
SE 26	8/26	To CO Phone	Engr Officer of Columbia req cooler now available at Fleet Base for Y	
523795	10-18	Phone to O-I-C FSB	Ice Machine--Rook shaft for- CC CO Y Fleet Sup Base- Confirms telephone conversation in conn with approval of requisitio covering shaft for ice machin. 10/18 Y FSB-10;22-Y	
532252	11;29	CO	~~Request mfg record shaft for ice machine.Y~~	

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[OVER.]

N.S.E. Form 134.

167 - 14 COLUMBIA: PROPELLERS

Number.	Date.	From or To—	Subject.	
249817	9-21	Over Fwd	Fwd Dept. 9-21	
995	1/8 None	Inspr Erie Inspr Pitts	Req ship instruc cov shafting for Col. & Minn. S.	629
995	1/28 1/30	Inspr. Erie.	Request shipping in strns covering propeller shaft for COLUMBIA & MINNEAPOLIS S&Y	629
995	1/28	Inspr Erie	Request shipping instrns covering propeller shafts for COLUMBIA & MINNEAPOLIS	629 S&Y
995	4-10	To Phila	~~Reqs info in conn w receipt or non receipt~~ of two hsafts for COLUMBIA and MINNEAPOLIS	Y 995
512334	8;16	Phila	Propeller report. Y	
568544	6;7	Phila	Propeller blades on hand for - reqt disposition of. Y Fwd S&A 6/10	

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[OVER.]

COLUMBIA: PROPELLERS.

1913

Number.	Date.	From or To—		Subject.
107290	10-3 10-7	Phila Dept	4526-331	Propellers require repairs; Deptstates vessel to be placed in reserve. Y Fwd Dept.rec no repairs be authorized on spare propellers.10/9 RB 10 11 Ret Phila.10/13. RB 10 21
107405	10-8	Phila	397-469	Estimate for repairing shafts, bearings, and struts.Y

915

170264	11-4	Phila	T	Port propeller blade broken; stbd bent. recommends installing spares. Y To--(R) Authorized. 11/4 Fwd Dept-- Have auth work. 11/5 RB 11/8 To--Auth blades instead of propelle s.11/6

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191487	6-22	Phila		Shafting out of line.Y To--(R) Authorized. 6/23
195428	7/25	CO		Fwds corres on defects developed in machinery after commissioning, with particular reference to defects in shaftings, bearings, etc 167-8
200027	9-21 9-22	Phila Dept	R	Sjafting; request authority to perform overtime work. Dept Copy Tele to Phila disappving overtime work. 9/22 Fwd Dept--Rec disappvl. 9/22 Fwd Dept-- Rec work overtime not nexceeding four hours. 9/22
249817	9/15	CO		Reports lack of alignment between crank and thrust shafts of two wing engines.Y

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COLUMBIA: PIPING.

Number.	Date.	From or To—	Subject.	
294713	4/3	Dept	Directs repairs to main steam line - Y	
327675	7/10	CO	Renew copper suction pipe - Y To NY, rqst inform re copper piping 7-22 NY 8-5 To Atl Flt, re urgent repairs to copper piping 8-21	
331657	7-17	CO	Alterations to suction and feed tank and suction to secondary drain. Y To CO, Authorizing alterations 7-31	
345737	9/1 10;10	CO NY	Alterations to steam traps and suction lines - Y Fwd Dept, 9-9 To NY (T) Item 2 authorized Item 1 disapproved 9-9 To Dept 9-9 Fwd NY 9-16 R B 10;15	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

COLUMBIA: PIPING. 1917

Number.	Date.	From or To—	Subject.
237588	7/10	Phone Phila	Steam lines. Re status of material for renewal. Y
238322	7/13	Phone Phila	Steam lines, Piping for. Suggests send plans of to ship for checking., Y
239498	7/18 To Phila—8/1	Phila	Asks when steel tubing for main steel piping will be received Y To—(T) Aug 20th. 7123 Phila 7/27 (T)
239461	7/19	Phone Phila	Steam lines· Re material for. Y
240002	7/23	Pitts T	National Tube Co state best delivery of steam piping Aug. 20th.Y To Pitts—(T) Would appreciate delivery Aug 20th. 7/23
239789	7/21	Phone Pitts	Steam lines. Material on W ash contr 1094. Reqt best delivery of. Y Pitts - 7/23 Y

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N.S.E. Form 134.

COLUMBIA: PIPING. 167 -- 15

Number.	Date.	From or To—	Subject.	
241444	7/30	Phone Phila	Re difficulty in placing order for steam pipes.Y Phila 9/7 Y To Penna Forge Co--Directs expedite flanges for piping to W.R.Mitchell Co. 8/9 Penna Forge Co - 8/10 To Penna F orge Co--Acknowledges.8/15 To Phila--8/15	
278791	2-5	Phone NY	Steam line. Renewal of gaskets and building up of flanges. Bu stated Dept auth work. Y Dept - 2/6 Y To Dept 2/5 R B 2/8	167-13
268815	12-6	Fwd Ny	Reqts return of papers. Y R B 1/10 To CO (T)-Ny Yd reports piping will be ready for install Jan 25th. Will ship's force undertake this work. If so how long to accomplish. 1-14 CO (R) Ship's force cannot undertake 1-19 To Brook-(T)-Wire estimated time to install steam piping by Yard force. 1-19 To CO (T)-NY reports piping will be in all respects ready for install Jan 25th. Will ship's force undertake work. If so how long to accomplish. 1-14 (T)-To CO- Expedite reply 140014.piping ready NY Jan. 25th. 1-19 NY 1-19 Recommends sending piping to Phila - no facilities. Y o NY- 1-23 + NY (R) 3 weeks required for installing pipes 1-23 Fwd Dept (Operations)- 1-24	
278791	2/4	NY Copy	Recommends additional work flange joints, etc - Y Fwd Dept- 2-5 Phone- Upon inquiry yard stated would take 15 days and that two welders and 12 machines will be employed. 2-5	

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COLUMBIA: PIPING

1913

Number.	Date.	From or To—	Subject.	
103086	844	Phila	Renew joints in firemain and aux. steam line.Y Fwd Dept.rec appr.8/9 RB 8-13 To---appd.8/13.	
			1915	
159953	7-7	CO	Rect alterations to fresh water piping.Y To Phila--(R) Authorized. 7/9	
170416	11-5	CO	Rect alterations steam piping to galley.Y To--Bring before Bd I&S. 11/8 Replies 11-10 To--Work authorized. 11/16	
			1916	
9230	3/7	Phila	11 traps required on reqn already issued; part needed for COLUMBIA	706
181874	3-17	CO	Reports on condition of main steam line.Y To--Comments on: inadvisable to remove section for testings. 5/3	
198809	9-7	CO	Condition of main steam line; reports result of test; would rupture under water hammer.Y Fwd Phila-- For comment.9/11 RB 9/23 Fwd To Dept-- Recommends boiler pressure be reduced to 125# 9/25 RB--9/28 To Phila--Boiler pressure will be reduced. Steaming trials be omitted. 9/29 To--Comments on water hammer. 9/29 CO reports on condition of main steam line. To--Comments on. 10/7 CO fwds sketch showing V pockets in piping different from plans at Bu. Engr Officer and CO accept responsibility for exercising precautionary measures 10-10	
		CO reports defects developed when tested out under steam 11-6 To CO--Action appvd. 11/8		

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COLUMBIA: PIPING. 167-15

Number.	Date.	From or To—	Subject.	
203212	11-20	Phila	Shop request cancelled; will submit reqn for cast steam piping for	619
			1917	
218316. VOID	3-14	Chasn	States reqns are being submitted against their allotment	
218316	3-9	Phila	Piping for main steam line; unable to get bids on reqn 529; request instructions re securing.S. Fwd Phila via S&A--3/17 Phila have reissued bids opening Apr 6	3-29
226134	5/3	Phone Phila	Yard stated could not flange the main steam piping but cuuld have it done at Phila. Y	
227008	5/7	Phila T	Request certain seamless steel tubing be ordered.Y	
230605	5/2	CO	Main steam line - fwds sketch - states boiler pressure might be operated at 150 lb pressure Y To Phila--Reqt report of examination of boilers. 6/1 Fwd Dept--6/1 Phila - states reply made in letter headed "Condition of Boiler Shells" 6/20 Y	
	5/2	Phone Phila	Re bending of piping for main steam line.	

NB--0120

[OVER.]

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COLUMBIA : OIL FUEL SYSTEM. 1919 1

Number.	Date.	From or To—	Subject.	
445195	8/13	CO	Request 2 boilers be converted to oil burners - D	167-10

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

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COLUMBIA: COAL: COAL HANDLING: ETC.

1915

Number.	Date.	From or To—	Subject.	
171377	11/15	CO	Reqt correct bunker plan.D Fwd C&R--Under its cog. 11/17	
			1916	
187030	5/6	CO	Special report on Pratt City Screened Lump Coal; unsatisfactory	623
			1917	
212477	1-24	C&R	Coal bunkers; B-126 and 127 being utilized for store rooms; request comment on.D Fwd C&R--1/29	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
33584	9/8	CO COLUMBIA	States milling machine has not been recd.	✝ 629

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

COLUMBIA: MACHINE TOOLS.

1914

Number.	Date.	From or To—	Subject.
134526	9-14	Phila	Machine shop tools; estimates for repairs. Y To-- Appvd. 9/17
			1915
171203	11-12	CO	Reqt milling mach for machine shop. Y Fwd Dept-- Rec disappvl 11/16 RB 11/18 To Via Atl Sub Flo-- Disappvs. 11/18
			1916
176169	1-12	CO	Request elec in lieu of belt driven emery grinder. Y Fwd Phila-- For est and rec. 1/14 RB 1/25 To Phila--Work authorized. 1/25
177927	2-1	CO	Reqt authority to issue motor for driving machine tools. Y To Phila--Appvs. 2/4
177928	2-1	Phila	Estimate for overhauling lathe engine and installing governor on. Y To--Comments on. 2/5 Phila reqn 315 cancelled; present lathe being repaired 2-11
190565	6-8	Phila	Estimate for installing elec motor to drive mchinery in machine shop. Y To--Authorized. 6/12
Phone	4/14	Phila	Lists alterations reqted. Y Phila--Milling machine cannot be furnished. 4/14

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COLUMBIA: MACHINE TOOLS. 167 -- 18

Number.	Date.	From or To—	Subject.	
224268	4/13 4/21	CO Phila	Estimate for furnishing and installing Universal milling machine.Y Fwd Dept--5/4 RB 5-8 Fwd Dept--5/11 RB 5-16 To Phila--Disappvs.5/16	
228268	4/13	CO	Recommends additional tools Y	
243894	8/13	CO	Request for large blow torch, brazing R To--Gives amendment to make to allow.8/17	
33584	4/13	Inspr Milwaukee	Universal milling machine - reports 2 machines incorrectly shipt to Columbia & Alabama - are shipping 2 April 13 properly marked for Alabama Columbia & Missouri. R	629
1919		1919	1919	
7 384496	1;8 3;12	CO CO	Req. furnish one Universal Milling machine complete Y To- Inform if motor drive machine can be used. 1-24 To - Inform when may expect reply to Bu letter of 1-24-19. 2-28-19	

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[OVER.]

COLUMBIA: PUMPS.

1916

Number.	Date.	From or To—	Subject.	
180240	2-25	CO	Request larger evaporator feed pump. Y To--Asks size of pump. 3/7 CO gives data 3-13 CO fwds information re changes in pumps 4-26 Fwd CO)) Discrepancy in. 5/4 RB 5/8	
189855	5/27	4th Div, A t Sub	Request hand pump for testing purposes be added to allowance	167-21
361648	10/22	CO.	Alterations to Auxiliary Feed Pumps have been made by ship force Fwd CO, 10-25 To CO Oct. 25 back Nov. 16	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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COLUMBIA: VALVES.

1915

Number.	Date.	From or To—	Subject.
168419	10-8	CO	Reqt repairs to injection valves, Kingston valves in fire rooms.Y Fwd Dept via C&R--appvl recommended 10/16 RB 10/25
			1916
175472	12-3 1-4	CO Phila	Install traps in galley and steering steam line.Y To phila-- Work authorized. 1/8
175978	12-30 1-11	CO Phila	Submits estimate for renewing studs, safety valves, lagging boiler,etc. To Phila--Disappvs;instructions re renewing.1/13 To CO--Auth renewal. 1/13 CO Gives reasons 1-18
189981	6-5	Phila	Stop and cross connection vales; request plan. D To-- Fwds plans. 6/8
190773	6-13	CO	Reenw studs of boiler valves.Y Fwd Phila--Authorized. 6/16 RB 6/27
195391	8/1	Phila	Safety valves; impossible to make tight by grinding; fwds sketch.Y To-- Work appvd. 8/4
195804	8/7	Phila	Proposed modification main boiler safety valve; fwds tracing.D To--Disappvs. 8/16 Phila returns tracings; appeals against Bureau decision 8-24 To Phila. not approved 8-29 CO appeals against disapproval 9-7 Fwd Dept-- 9/14 RB 9/18 To CO--Disappvs. 9/18 CO impossible to repair valves 9-19 To CO--Authorizes changes 9/25

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COLUMBIA: VALVES. 167-20

Number.	Date.	From or To—	Subject.	
204944	11-7	Phila	Safety valves: all attempts to make steam tight by grinding have failed; fwds print showing modification made in. DY	
205031	11/9	To CO	Request number and size of Mason regulating valves installed on and reduded pressures at which are working	72&-2
295481	4/5	CO	Replace all steam stop gate valves with a modern globe valve - Y&D	
295544	4-10	Fwd NY	Alterations. For recommendations. 4-10 Y R B 4/22 - Y	
346601	9-10	To NY (T)	Repairs and alterations to safety valves authorized Y	

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[OVER.]

COLUMBIA: ALLOWANCES. -1919-

Number.	Date.	From or To—	Subject.
454645	10/21 10/27	Atl Train S&A	Reqst increase in money allotment. To CO- Make s allotment of $1750.65. 11-3
485517	3:24 3:27	CO Atl Train	Request additional allotment be allowed covering material listed.Y Fwd S&A. 4-6
536108	12:15 12:20	CO Atl Trn	Request addtl quarterly allotment.Y Fwd S&A. 12-23
[illegible]	[illegible]	To Atlantic Fleet (2)	[illegible]

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

1917

COLUMBIA: ALLOWANCES

Number.	Date.	From or To—	Subject.	
212127	1-17	CO	Request special allotment to cover installing metallic packing.R Fwd S&A--1/23	
212108	1-16	CO	Request radio work be exempted from quarterly money allotment.R Fwd S&A--1/25	
237406	7/10	To CO	Ask whether allow lists fwded have been distributeD	
277641	1/28	CO	Request allowance list be amended - RA To S&A- Reqts shipt ore crucible furnace from Phila to CO. To- Reqt appvd and shipping instruction issued. 2-4	
292380	3/13	CO	Request steam traps be transferred from Title A to Title B. To N- Replacement of four Vance Steam traps mentioned authorized/ 3-27	
306078	5-17	To CO	S.E.Elec.Lists Revision - Reqts revise to suit present conditions. Fwds copy. LR To CO, Rqst inform re S E Allow 9-6 CO. 9-10	
335134	8-9 10;10	To CO CO	Fwds approved S E Elec Allow List LR CO allowance list not received 9-27 To Postmaster Wash, rqst search for above 10-3 To CO- Rqst information re allow list 10-7 REC BACK 10;14	

Post Master - asks register No. 11/13
ToPost-Master, asks register No/ 11-19

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over

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167- 21 COLUMBIA: ALLOWANCES

Number.	Date.	From or To—	Subject.
372176	11;23	CO	Req additional money allotment R Fwd S&A, 11-30
335134		From other side	Allowance list received Aug. 30 RA
400297	2;26	CO	Req. additional money allotment for be allowed Y Fwd S&A. 3-8 To- Has recommended to S&A auth additional sum of $10,500 to be applied to title "C" allot.3-8 CO - 3/16
409694	4-10	To CO	Fwdg 1 blank allowance book for revision of S E allowance - Y
423924	6;3	CO	Fwds allowance book Y

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98 COLUMBIA: ALLOWANCES.

1913

Number.	Date.	From or To—		Subject.	
98312	5-28	Dept	4526-324	Directs allowance be made up for regular cruising vessel; will not relieve HANCOCK as receiving ship. R To Phila.changes.6/4. RB 6-16	
99695	6-17	Phila		Reqt. new.R To---Fwds blanks for rec.6/20.	
108572	10-21	Phila	397-474	Fwds. R To---ret appd lists with blanks.10/29. To - amends -8-23 RB 10/9 To Co--Changes in. 8/31/15 RB 9/16 To CO-- 9/1 RB 9/18	
109900	11-5	Phila	397-474	Equipt allowance; fwds. R To---appd.12/5	
124278	5/6	Phila		Desk lights; COLUMBIA allowance calls for silver plated; present prints and specns call for bronze; reqt instructions	675-9
133303	8-28	Phila		Reqt.R	

1915

160432	6-29 7-3	CO S&A		Quarterly allotments; reqt.R Fwd Dept via Ord-Nav-S&A--Rec allotment.7/15	
160578	7-12	CO		Reqt additional heavier anvil.R To-- Add to. 7/20 To Changes in. 7/22 RB 8/2	
162254	7/31	CO		Reqt mandrels for main engine be added to allowance list.R	
162419	8/3	CO	R	Reqt mandrels for main engines be added to allowance list.R To--(R) Disappvs. 8/4 To--Disappvs with comment. 8/4	

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COLUMBIA: ALLOWANCES. 167 -- 21

Number.	Date.	From or To—	Subject.	
162816	8/5	CO	Reqtthat a gas analysis apparatus be added to allowance list.R TO -- a pvd 8-13 RB 8/21	
164663	8-26	CO	Reqt hand testing pump be added.R	
~~163590~~				
166352	9-20	S&A	Money allotment - variance in amounts allotted	603
172695	11-30	CO	Reqt spare parts motor barge be added.R TO -- instruns 12-15	
			1916	
176087	1-11	CO	Request addition of spares for motor boats. Y To--1/19	
178481	2-9	To CO.	Additions of lights and fans. R-L	
180591	2-29	CO	Reqt addition of pyromters.R To-- Add to. 3/11 CO asks who will supply 4-26 To--4/29	
184583	4-10	CO	Fwds allowance list.R To--Returns appvd with modi. 4/22	
189855	5-27	4th Dib. At Sub	Request hand pump for testing purposes be added to. R Retd--Reqt rec re supplying all SUBS with hand pump. 6/7 RB 6/19 To--Add to allowance. 6/20	
191054	6/12 6/16	CO S&A	Reqt special allotment to cover condenser tubes or that same be exempted from quarterly allotment.R Fwd S&A-- Appvs. 6/20	

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1915

COLUMBIA: WHISTLE.

Number.	Date.	From or To—	Subject.	
171067	11-11	CO	Install new steam whistle, lower pitch. Y Fwd Dept--disappvl recommended 11/13 RB 11/16 To-- Disappvs. 11/16	
			1916	
178025	1-24 1-27	CO Phila	Estimate for installing whistle from MINNEAPOLIS;	
178475	2/8	To Phila	MINNEAPOLIS; asks if whistle has been taken for the COLUMBIA and what steps taken to replace	289-22

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Number.	Date.	From or To—	Subject.	

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COLUMBIA: RECORD OF WORK: 1921

Number.	Date.	From or To—	Subject.	
561612	5;3	Phila	11;13;20 to 1;4;21. Y	
562948	5;1	CO	Quarter ending March 31.Y	
573924	7;1	CO	Quarter ending June 28th.Y	
574241	7/1	CO PROMETHUS	Quarter ending 6/30 Y	

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Number.	Date.	From or To—	Subject.	

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1918

COLUMBIA: RECORD OF WORK

Number.	Date.	From or To—	Subject.
369019		CO	Quarter ending Sept. 30
414315	4-15	CO	12-27-17 to 3-23-18 Y
427433	6-1	NY	11-27-17 to 12-27-17. Y
434093	7;1	Norf	To 6-24.Y
436262	7-31	N Y	10-10-18 to 10-21-18. Y
438735	8;1	CP	Quarter ending June 30.Y
44676[1]	7;[1]	USS VESTA[L]	Month ending June 30th.Y
450317	10-1	USS PROMETHEUS	Quarter ending 6/30. Y
451631	10;1	USS PROMETHEUS	Record of work.Y

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167-25: COLUMBIA: RECORD OF WORK: 1920

Number.	Date.	From or To—	Subject.
468160	1;8	Phila	12;18 to 1-7.Y
469263	1;1	USS PROMETHEUS	Quarter ending December 31st.Y
469694	1;1	CO BUFFALO ?	Quarter ending December 31st.Y
483608	3;10	Norf	Record of work to 6-24-19.Y
488384	4-1	PROMETHEUS	Quarter ending March 31; Y
496558	5/1	CO	Quarter ending 3/31 - Y
502904	7;1	CO PROMETHEUS	Quarter ending June 30,1920.Y
503686	6-30	PROMETHEUS	Quarter ending 6-30-20; Y
522348	10/1	CO PROMETHEUS	Quarter ending 9/30/20 Y
539936	1/3	CO PROMETHEUS	Quarterending 12/31 Y
558116	4;1	PROMETHEUS	Quarter ending 3;31.Y

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1916

COLUMBIA: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
182541	3-22	Phila	Apr 10, 1907 to Dec 9, 1915	
183410	3-31	Phila	Apr 19, 1907, to Dec 9, 15	
185705	4-23	Phila	Dec 29, 15, to Feb 7, 16.	
230492	5/25	Phila	May 31/ 16 to Nov 15/16 Y	
251558	--	CO	Quarter ending June 30th - Y	
252293	10/1	Phila	Sept 7th to Oct 1st Y	
260051	11/10	Norf	March 31/16 to Nov 10/17 Y	
268331	12/18	Norf	3/31/16 to 11/10/17 - Y	

NB—0120

N.S.E. Form 134.

COLUMBIA: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
271963	1/2	NY	11/27 to 12/27 - Y	
289820	3/12	Phila	4/12 to 4/22/17 - Y	
297082	4-9	Phila	Period ending May 5th.	
304728	No date	NY	Feb 23rd to April 18th. To Phila- Fwds records of work. Upon definite information from Dept will transferr the job orders. 5-9 R B 5/16	
338548	8/15	NY	7/30 to 8/3 - Y	

NB—0120

[OVER.]

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COLUMBIA: TRIALS:ETC. 1916

Number.	Date.	From or To—	Subject.	
177604	1-28	CO	Request data on speed, draft, etc.M Fwd C&R--SE data furnished.2/1 RB 2/10 To-- Fwds data on. 2/1	
209800	12/28	To CO	Fwds reports of steaming data obtained on various trials of. M	
428705	6/26	At Train	Copy- flag shifted from SUPPLY to COLUMBIA and will sail for NYA	493

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

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COLUMBIA ELEC PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
611593	2/24	Atl. Fleet	Copy of letter to CO directing transfer batteries and wave meter to CO WYOMING.	L
612104	3/2	N.Y.	Recommends electrical material listed be removed from prior to sale .	L

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

COLUMBIA: ELECTRIC PLANT.

1913

Number.	Date.	From or To—		Subject.
96603	4/26	Phila.	397-454	Fwds report of expenditures and additional ammunt required for electrical work.L Fwd Dept. recommendations 5/12 RB 5-15 To---instructions.5/15.
96604	5/6	Phila.	397-10	Estimate for new electrical work and statement of expenditures.L Fwd Dept. appl recommendad 5/12 RB 5-15 To---instructions.5/15.
97974	5420	Phila	392-454	Will require $397.60 additional over amount authorized by Bureau May 15th. Y Fwd Dept.rec.appr.5/27. RB 6-3 To---appd.6/3.
98078	5-22	Phila		Searchlightw; asks number and whether fire control system is to be installed.L. To---will not be installed.6/10.
98821	6-3	Phila	397-102	Estimate for modernizing elec. work in fore and after handling room.L Fwd Dept.rec.appr.6/7. RB 6-11 To---appd.6/11.
133302	8-28	Phila	397-310	List of uncompleted work on radio set, night signal sets, I-C sys and searchlights.L To-- Instructions. 9/5

1914

135671	9-24	Phila		Submits estimate for installing searchlights blinker lights, absentee lights, steering telegraphs. L. Fwd Dept.- Req decision. 10/2 rb 10 5 Fwd-- 10/15 rb 10 24

NB—0120

N.S.E. Form 134.

COLUMBIA: ELEC PLANT. 167-3

Number.	Date.	From or To—	Subject.
165096	8-26	CO	Reqt I-C system be rewired, and operated by D-C converter in lieu of batteries. 4 ceiling lights in passageway between ward room and cabin. Fwd Phila-- For comment and rec. 9/9 RB 9/17 Ref. Dept. - recomds ref. to I&S 9-20 RB 12/6 Phila reqt action 10/29 Fwd Dept--11/1 RB 11/3 Fwd Phila-- 11/3 RB 11/11 To Phila--11/13 Phila reqt Bu approval of items 1 and 2 11-15 To Phila--Authorizes 1 and 2. 11/16 To Phila--Suspend work pending further instructions. 12/6
		1918	
192349	6-30	CO	Request all old moulding throutout ship be removed and lead covered wire installed. L Fwd Phila-- For estimate. 7/7 RB 7/26 Fwd Dept-- 7/28 RB 8/1 To Phila --Appvs estimates. 8/2
		1918	
285832	2-22 2-28	CO Atlantic (5)	Request 224 high power distant control searchlights in lieu of present 30's. L To via Cruiser Force- director firing cirvuit appvd. Searchlight appvd. 3-9
412094	4-21	To CO	Condition of elec plant. Reqts detail report for consideration of Bd I&S. L

NB—0120

[OVER.]

COLUMBIA: INTERIOR COMMUNICATION SYSTEM. 1918

Number.	Date.	From or To—	Subject.	
343864	8/15	CO	Request plans covering installation director firing and follow the pointer system - L To Phila, Rqst copies of dwgs re above, 9-6	
375612	12-7	C&R	Voice tubes placed in first class condition at Morse Dry Dock Co.	L
492239	4-17 5-7	CO Ord	Request install fire control telephones. L Fwd dpt. 5-15. RE-5:22- L To CO disappvd cc Atl Fleet 5-25.	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

COLUMBIA: INTERIOR COMMUNICATION SYSTEMS. 1916

Number.	Date.	From or To—	Subject.
194424	6/7 7/20 7/24	CO Phila C&R	Install voice tubes and call bells stbd engine room to all fire rooms, evaporating room and steering engine room. L Fwd C&R-- Recommendations. 7/28 To Phila-- SE work authorized. 7/28
200981	9-27 10-3	Phila C&R	Voice tube alterations. L Fwd C&R--Reqt plans. 10/6 To Phila--Reqt list of voice tubes installed; isometric plan. 10/6 Phila plans alterations 10-20 C&R fwds print showing additional voice tubes 11-7
			1917
210174	1/2	To CO	Directs advise Bu when Camp type telephones ordered from Western Elec Co are received on board. L CO asks when telephones may be expected 2/7 To 2/20
204327	2/10	To COLUMBIA	Appvs reqt for salvo material with modif. 647
240105	7/22	CO	Reports on standardization of fire control system - fwds sketch L

NB—0120

N.S.E. Form 134.

COLUMBIA: INT COM SYS. 167 - 4

Number.	Date.	From or To—	Subject.
251373	9/24	Phila	Replace general alarm gongs and install Cory type indicators - L To- Reqta submit estimates. 10-4 Phila - submits estimate 10/8 L To—Appvs est.10/18
253186	10/4	Phila	Salvo system wiring diagram - fwds print L
265347	12-6	To C&R-	Lookout communications. Reqts that be completed while overhauling at NY. if practicable. L C&R 12/11 - L
296343	4/3	CO	Repair salvo system.
301375	4-29	To Phila & MINNEAPOLIS	Broadside director follow-the-pointer-system. Desires that system be altered to provide wiring only for training instruments at the 6" guns. L
305366	5 11	To CO	Salvo system - Reqts detail description of system proposed for installation. L CO - Fwds copies of correspondence and tracing - 6/5- L

NB—0120

[OVER.]

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COLUMBIA: Interior Communication 1913 1

Number.	Date.	From or To—	Subject.	
98078	5/22	Phila	Asks number and whether fire control system is to be installed.	167--3
98205	5/27	To Phila.	Fire control system; request plans.L	
98914	6-5	Phila	No fire control system.L	
100830	7/2	Phila. 397-6	Request authority to remove mechanical teltale gear.L Fwd Dept.rec appr.7/14. RB 7 16 appd To---appd.7/16.	
108020	10/11	Phila. 397-334	Asks if helm angle indicators and steering and engine telegraph systems are to be installed.L To---directs prepare recn for material; submit wiring plans. Elec.Steering tel. and elec.eng.tel.will not be installed.	10/18
		1914		
132998	8-24	Phila	Ammunition hoists; additional est.L Fwd Phila-- Appvd. 8/29 rb 9 4	
134778	9-10	Phila 397-334	Cancel job order to modify helm angle indicators; new one being purchased.L	
135671	9/24	Phila	Submits est for installing steering telegraphs	167-3

NB—0120

N.S.E. Form 134.

COLUMBIA: INT COM SYS. 167-4

1915

Number.	Date.	From or To—	Subject.	
149487	3-10	Phila	Telephone system; fwds plans.L To-- Withholds action of. 3/16	
170484	11/5 11/6	CO C&R	Fire control voice tubes.L Fwd C&R--Recommendations. 11/11	
172287	11-8 11-20	CO Phila	Alterations to voice tubes.L Fwd C&R--Rec be placed by larger tubes.11/27 RB 12/3 Fwd C&R-- Noted. 12/6	
			1916	
176116	1-11	Phila	Fire control voice tubes; fwds arrgt plan.L Fwd C&R--Appvs with comment. 1/15 RB 2/7 Fwd C&R--2/8 RB 3/25 Fwd C&R--Comments on. 3/29	
183134	3-28	Phila	Steering telegraph instruments; reqt instructions re disposition.L To--Hold pending further instructions.4/1	
190178	6-7	CO	Experience at sea demonstrates I-C workrecommended by Board I&S is necessary.L Fwd Dept-- 6/12 RB 6/15 Fwd Phila-- 6/15 RB 6/23	
191016	6-7 6-15	CO Phila	Request additional call bells.L To Phila--Work authorized. 6/27	

NB—0120

[OVER.]

167- 4

INT COM SYS

COLUMBIA (EX GREAT NORTHERN) 1921

Number.	Date.	From or To—	Subject.
599769	12/8	CO COLUMBIA	Fwds proposal of Aero Alarm Co. cov modifications and repairs and instln of their apparatus. L To CO Gives Action 12/17 CO - Recommends terminate contract 1/4 L To Aero Alarm Co- Reqst cc of original contract be fwded 1/21 Aero Alarm Co: 1/23 L To NY- Reqst NY ascertain from the Aero Alarm Co just what compartments will be protected under their three proposals 2/1 L NY 3/23 L
614457	3;18	Aero Alarm Co	Copy of letter to NY yard submitting claim covering cabinet from GREAT NORTHERN later on board COLUMBIA which was smashed.L
616818	3/18 3/22 4/3	Aero Alarm Co. N.Y. Phila.	Missing cabinet. L To Aero Alarm Co- Gives comments 4/7 Aero Alarm Co.- Ask condition of cabinet.4/14 L Fwds Phila 4/17 RB 5/9 L To Aero Alarm Co-- Gives Inform 5/10

4—3381

Number.	Date.	From or To—	Subject.	

COLUMBIA: LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
465029	12;23	CO T	Request two armored searchlights be furnished to replace those at present installed/L To- Not desirable to comply with reqt at this time. 12-24
491458	5-5	To S.O. Ny via I.M.	Storage Batteries- Loan to temporarily for use in conductin test in connection with Gyro equipment. copy to CO. L NY-5;17-L
508177	7-29	To CO	Returns annual report, for correction L RB-8;5-L

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

1917

COLUMBIA: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
232979	6/8	CO	Request portable tube blinkers To--Disappvs.6/15	
228382	6-14	To Phila T	Aks if practicable install 200 kw gen rewound for COLUMBIA	289-5
233896	6-16	To Phila MINNEAPOLIS	Generator sets, capacity of. Generators being rewound for COLUMBIA will be used in install. Directs rewind two other generators at yard to replace for COLUBIA	289-5
244497	8/15	Phila	Relative to installing 2 Ex-MEMPHIS 100 K W generating sets L To--Appvs.8/30	
251558	--	CO VOID	Quarter ending June 30th - Y	
263078	11-24	Phone Phila	Generator sets for. re rewinding. L	
264347	12-4	To Phila	Generator sets. Work in connection with auth is now disappvd. L D Phila - reports on status 1/15 - L To- 1-23	
268815			Dept (copy) 1-30	

NB—0120

N.S.E. Form 134.

COLUMBIA: LIGHT & POWER. 167 - 5

Number.	Date.	From or To—	Subject.	
273916	1/14	NY	Generating set - request Phila be instructed to forward to NY for installation - L To- Your understanding correct. 1-18	
285632	2-22	CO	Request 224 high power distant control searchlights in lieu of present 30's. L.	167-3.
320900	6-28	To CO	Re report on material for searchlights. L CO - 7/22	
377661	12;12	CO	Repairs to air meter L	
391769	1/29	CO	Edison storage batteries have not been recd requ shipt be made W&L	167-6
293352	5-14	New York	Fwds print of main switch.	
445279	9-15	To CO	Searchlight equipment- Reqts check sizes of searchlights and report made to Bureau. L CO-states searchlight should be 18 inch instead of 30 inch. 9;24	
464547	12-20	Phone CO Phila Yd	Req't for permission to exchange searchlights. R	

NB—0120

[OVER.]

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COLUMBIA Light & Power

1913

1

Number.	Date.	From or To—	Subject.	
98078	5/22	Phila	Searchlights, asks number	167--3
111824	12-1	Phila 397-252-6	New truck lights; estimate.L To---appd.12/8.	
		1914		
118295	2-21	Phila	Reqt authority to install 2, 30" lights in store.L To---Bu desires leads installed, but not searchlights themselves.2/25.	
124278	5/6	Phila	Desk lights: COLUMBIA ; allowance list calls for silver plated; present prints and specns calls for bronze; reqt instructions	675-9
135671	9/24	Phila	Submits estimate for installing searchlights, blinker lights, absentee lights, etc.	167-3
		1915		
162143	7/30	CO	Reqt admiral lights be installed on vessel.L To Phila-- Auth to install. 7/31	
171610	11/18	Phila	Elec work in connection with laundry.L To-- Work authorized. 11/22	
		1916		
178218	2-1	CO	Lights requested on ships reqn 582 are for new staterooms.L To--Appvs installation of elec equipment. 2/5	

NB—0120

N.S.E. Form 134.

COLUMBIA: LIGHT & POWER: 167-5

Number.	Date.	From or To—	Subject.
178442	1-31 2-7	Phila S&A	Reqt drawings of field coils for generators. Fwd S&A--Recommendations. 2/11
190797	6-13	CO	Request 4 in lieu of 2 sets brushes for generators. L Fwd Phila--For est and rec. 6/16
207185	12/4 To Phila--Appvs work.4/2 Phila estimate in connection with installation 100 kw gen set 4/18 To Dept--Rec appvl of ests.4/25 RB 4-30 To Phila--Appvs ests.5/3	To CO	Condition of elec plant generators. Reqt copy of CO letter of August 1st, 1916. L CO fwds copy of letter requested 12/4 To--Ask if capacity of elec plant is sufficient for satis operation. 12/16 CO reports 12/30 Fwd Phila--Directs submit est and rec. 1/24 RB3-10 To Phila request reply to endorsement of Jan 24th 2/21 Phila have received no reply from GE Co 2/26 Fwd Dept--3/24 RB 3-28
215871	2-21	CO	Night signals sets turned in.L
218558	3/16	CO	Request authority to install 2 100 kw generators ex MEMPHIS instead of installing additional generator ex BROOKLYN.Y&L
221036	3-27	CO	Request 18" signalling searchlight.L Fwd Norf--4/6 RB 4-16 To S&A--Reqt shipt of 18" searchlight from Norf to. 4/7

1917

NB—0120

[OVER.]

COLUMBIA ELEC LIGHT AND POWER: (EX GREAT NORTHERN) 1

Number.	Date.	From or To—	Subject.	
600229	12/12	N.Y.	Request addtl allotment be made cov inston of schlights. L To NY unable to increase allotment cc Atl Fleet 12/16	
602219	12/29	To NY	24-inch, high power signal searchlights. authorizes issue of L	
			1922	
602590	12/29	N.Y.	Four 24" schlights have been issued to-request allotment be increased. L To NY (T) Addnl allotment made 1/3/22	
605116	1/16	N.Y.	Subm list of laundry machry loaned to COLUMBIA. L	
605541	1/17	N.Y.	Copy of letter to Dept. asking inform as to what accant laundry machine was carried at time of issue. L	

4—3381

N. Eng. 134

167-5:COLUMBIA: ELEC LIGHT AND POWER: 1922

Number.	Date.	From or To—	Subject.	
611293	2;25	To CO T	Desire removal 4 24 inch high power signal searchlights and two 100 kw turbo generator sets and switchboard.L To NY-T-2;25-L N.Y.- Subm list of radio electrical material turned in. 3/6 L N.Y. 3/22 Request disposition of search lights L To NY- rel removal of searchlights 3/28	

4—3381

[OVER.]

COLUMBIA: RADIO 1919

Number.	Date.	From or To—	Subject.	
431963	7-15	To NY (T);	Retention of 5 kw generator not appvd. 2 kw 80 volt motor generator being shipped from Norf. Mfg. and install two kw motor generator transfer switch. W	
435680	7;25	CO	Request permission to turn into store one field radio set.W	
425415	9-19	see card 5	Radio apparatus for installation on the COLUMBIA. To S&A- Reqt take action to show delivery of. W S&A-copy of letter to Washn Yd regarding shipment-9;22 S&A-9;29 Atlantic Train 7-15 To CO via ATL FLT- Reqts return of radio Buzzer set to Wash Yard. 10-9	
505251	7-15	To S&A	Reqst shipmt from Washn to CO radio set CO-12;13-W To CO 12-22	W RB 1-3/21
525701	10;23	Norf	Fwds copy of invoice covering radio matl turned in.W Fwd Norf 11-23 RB 1/18/21 Fwd IM Norf 2/19 RB-3;25-W Fwd IM Norf 6/7	

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N.S.E. Form 134.

167-6: COLUMBIA: RADIO:

Number.	Date.	From or To—	Subject.	
564001	5/18	To CC	Reqst Bureau be furnished complete list of major items of Apparatus installed on ship cc Phila W ~~CC-submits report on radio apparatus-5;24-W~~	
613937	7/14	To S&A 717	Reqst shipment of voltmeter from Washn to 39 Aug Snd W	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
351043	9-17	CO	Request new spark gap - W Fwd NY 9-24 To NY 9:24 back 10: 3 To NY, re repairs to radio apparatus 10-5
386021	1;14	At Flet	Req. Int. Fleet set now installed on Granite State be transferred to Columbia W To- Now available for transfer fro the GEORGE WASHINGTON to. COLUMBIA. 1-29
391769	1/29	CO	Edison storage batteries have not been recd - request shipment be made - W&L
403477	3;12	CO in Chief	Directs transfer 1 waive meter from USS FAIRFAX TO USS COLUMBIA.
403478	3;12	Commander in Chief	Directs transf. of 1 short waive receiver from USS SUPPLY to USS COLUMBIA. W
412036	4-19	To I.M. Ny	Radio apparatus for.Auth to install one short wave receiver. copy to CO-Radio S.O. Flt Sup Base Brook- CO DIXIE-SO. Ny W NY fwds list of matl used 5;9 W

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N.S.E. Form 134.

COLUMBIA: RADIO

Card 6

Number.	Date.	From or To	Subject.	
425415	6;12	Train	Radio installation reports on W	
To S&A- Reqt shipt transmitting sets from Phila to NY. 6-30			To I.M. Ny- Lists radio apparatus auth for installation. 6-26	
To I.M. Ny- Lists additional apparatus auth to be supplied to COLUMBIA. copy to CO and Flt Sup Base. SO. Brook 6-30			copy to CO and Comdr Train.	
To S&A- Reqt shipt Receivers-Audion control boxes charging panels etc. from Wash to NY. 6-30				
427680	6-16 6-20	CO U S Train	Rqst auth to turn in field radio set at Norf. ~~Atlantic Fl Train 7-15~~	W
			Fwded Atlantic Fleet 7/10 RB-7;15	
			To CO- Reqts to turn into store field radio set disappvd. 7-21	
430798	7/10	To CO COLUMBIA via Atlantic Fleet	Advises rel to installn of radio compass. W	
			To IM NY via C&R- reqst auth changes coming under cognizance rel installn radio comp 7/10	
			CC to CO	
			C&R 7/11	
			NY-7;31	
432963	7-11	NY (T)	2 KW spark transmitters has only 1 motor generator- Rqst auth to retain 5 KW generator. W	
431832	7-11	To CO (T)	Radio receiving equipment for stock and radio receiving equipment for radio compass expressed from Wash Yard to NY S.O. July 10th. W	
431846	7-15	To S&A	Reqt shipt radio motor generators from Norf to NY. W RB-9;3- RB-10;3	

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N.S.E. Form 134.

COLUMBIA: RADIO.

Number.	Date.	From or To—	Subject.	
231971	5/21 6/4	Phila S&A	Asks if 20 KW set formerly assigned to Columbia will be assigned to CHICAGO W Fwd S&A--6/8	
240561	7-23	Atl Flet	Fwds report from on dependability of radio compass.	919
256423	10/24	CO R (T) Tnd Norf	Request Norf be directed to issue certain radio apparatus W To- and VERMONT- Ship Navy type C.A. number W 130 radio receiver to COLUMBIA. 10-25 To Norf and CO COLUMBIA- Auth issue type C.F. 78 audion COKUMBIA. 10-25 To Norf- Information reqted as to serial number of the type CF 78 audion issued to in accordance with despatch of Oct.1917 Norf--11/2. CO - receiver not yet recd - 11/18 W To- Make arrangements for fwding same to.	10-30 11-24
271097	1-4	To S&A	Reqt shipt of apparatus from Wash and NY to COLUMBIA. W	905
270542	1-2	To CO	Radio equipment. What disposition was made of receiver #391 type P2 audion #47. W R B 1/26	
296380	4/2 4/8	CO NY	Change location of radio room motor generators-W	
318194	6-21	To S&A	Rqst shipmt radio amplifier from Wash to C O W	

NB—0120

[OVER.]

1917

COLUMBOA: RADIO

Number.	Date.	From or To—	Subject.
215344	2-10	CO	Request repairs to receivers.W
	2-17	Aero Sta	
216848	3/9	To CO	Asks disposition of audibility meter ordered shipt to on June 7th, 1916. W CO 3/12
222984	4/15	CO	Request 5 kw spark set, motor generators and wave changer.W Fwd Dept--If CHICAGO is to be permantly assigned as flagship for submarine force 20 K.W. are set should be installed. 4/18 RS 4-26 To S&A--Shipt reqt.4/26 Fwd C&R--Re work arrgd for.6/8 R B 6/19 W To Phila--Reqt ests covering install of set on CHICAGO.4/26 To S&A--Reqt shipt of trans set from Phila to NY, ex-CHICAGO. 4/27 Phila (T) estimate for 5/5 BELOW
223609	4-20	To S&A	Reqt Kolster Declemeter, which was reqt shipt to COLUMBIA be expedited to CHICAGO. 158-6
222984	ABOVE		To Phila. (T) Install new radio set CHICAGO auth.5/5 Fwd Dept--6/1 R B 6/5
230228	5/23	CO	Request audium bulb and permission to turn in certain radio apparatus Y To S&A--Reqt shipt of receiving set and bulbs from Wash to COLUMBIA. 5/28 To COLUMBIA--Asks apparatus transferred to CHICAGO. 5/28 CO - reports apparatus transferred to Chicago 5/30 W To Phila--Instrns.6/9

3

COLUMBIA: RADIO

1918

Number.	Date.	From or To—	Subject.	
192460	7-3	Phila	Impossible to complete room radio house and install set within time limit Aug 15; will require until Sept 25.W Fwd C&R--Recommmentations 7/6 To--Complete such work as practicable 7/6	
195385	8/1	CO	Believe insufficient power for operating 20 kw arc set.W Fwd Phila for recommendation 8/18 RB 10/7 Fwd Dept--With recommendations. 10/13RB 10-16 Fwd Phila--10/18 RB 10/30 Fwd C&R--10/31 RB 11/4	
196563	8/14	Phila	Kolster meter; estimate for installing on COLUMBIA	919
201443	10/7	C&R Copy	Instructions Phila to install Kolster meter.W	919
201624	10-7	Phila	Recommends against re-installing 5 kw spark sets.W To--Concurs in. 10/11 To--Bu instrcns of 10/11 cancelled. States what is desired. 10/13 Phila (R) relocate 5 kw set present overhaul 10/16	
201844	10/12	To S&A	Reqt shipt of one 20 K.W. radio set to Phila for COLUMBIA.W	
203182	10/21	C&R	Kolster direction finder; C&R work.W Fwd C&R--10/24	
203660	10/27	NY	Request information as to serial number of Marconi wave meter shipped to vessel	8934

N.S.E. Form 134.

COLUMBIA: RADIO. 167-6

Number.	Date.	From or To.	Subject.
			Fwd S&A--Reqt shipt be expedited. 1/5 To S&A--Reqt shipt of antenna switch and other switches from NY to. 1/5
207995	12-7	CO	To COLUMBIA--Have reqt shipt be expedited. 1/6 Submits list of radio articles desired if vesel still to act as flag ship of submarine force.W To S&A--Reqt shipt of one Kolster Decremeter from Wash to COLUMBIA. 12/13 To--Atl Sub--Gives action. 12/13 To S&A--Shipt reqt radio rec set to. 12/13
			CO gives reasons why certain items were requested 12/15 To Atl Sub--Gives action. 12/23 CO gives reasons for request various items 12/26 CO (R) asks when decremeter was furnished 1/4
208072	12/9	C&R	Arc radio sets; quotes from letter from Phila stating apparatus not received at yard.W To--Rec material for direction finder house be shipt to vessel at New London. 12/14 C&R copy action Phila 12-19
208742	12/15	To S&A	Reqt shipt of Kolster meter from Phila to. W
209814	12/27	To Phila T	Ask if Kolstermeter complete shipt New London for. If not, report date of delivery. W Phila (T) replies 12-28
207995		ABOVE	CO (R) asks when decremeter was shipped; gives itinery 1/11 CO request reply be expedited 1/16 (T) To CO--Bu letter of 1/8 referred to Kolster meter instead of Kolster decremeter. 1/15 To CO--Ditto. 1/16
212151	1-14	CO	Reports receipt of radio material with exception of a navy type receiver; also part of articles not requested nor required.W To S&A--Reqt shipt of radio apparatus from COLUMBIA to Wash for disposition. 2/1 To S&A--Reqt shipt of Lowenstein Quenched Gap from to NY for disposition. 2/1 To Phila--Instrns. 2/1 To Atl Sub--Gives disposition of items. 2/1
	1-16	Phila	
			Atl Sub Flo request certain items be retained 2/6 To Atl Sub--Gives action. 2/12 Phila reports shipment of Navy type receiver to vessel by express 2/10

1917

NB—0120

[OVER.]

167-6

COLUMBIA RADIO 1922

Number.	Date.	From or To—	Subject.	
613937	FROM CARD 2		Pug Sd 10/25 W	

4—3381

Number.	Date.	From or To—	Subject.	

COLUMBIA RADIO 1922

Number.	Date.	From or To—	Subject.
611267	2/25	Atl.Fleet (T)	Request auth to transfer to MARYLAND confidential naval apparatus now on board COLUMBIA. W. To C-in-C-Atl-T-MARYLAND has flagship instalninstrns re disposition of apparatus-2;27-W
611105	2;25	To Dept	Recommends special and confidential radio equipment on board be removed and turned into store at nearest Navy Yard-comments relative to-2;25-W To C-in-C Atl-approves removal all radio equipment-2;25-W (telegram) Atl.Fleet- 2/25- Copy of letter to CO directing turn in radio apparatus listed to N.Y. "A Atl.Fleet- 3/2 W. Atl.Fleet-CO directed to fwd inform as to disposition of material. 3/8 W.
611850	2/26	Atl.Fleet	Copy of letter to CO directing transfer radio apparatus listed to N.Y. W. Atl.Fleet- CO instructed to transfer special wave meter to CO MARYLAND. 2/26 W. Atl Fleet- Copy of letter to CO directing do not transfer radio equipt listed. 2/26 W
612876	3/8	N.Y.	Subm list of radio apparatus recd from vessel and turned into store. W. To NY- Reqsts inform 5/20 cc Pug Snd 5/20 To S&A Reqst shipment of mat from NY to Sn Pug Snd 326 5/20 To S&A Reqst shipment of mat from NY to Pug Snd 383 5/26 To NY (T) Gives instrns cc PugSnd 5/25
	Hamp Rds	7/19 W	
		over	NY 6/2 L New York 6/8 Lists material neccy W S&A S.& Copy action to New York W Fwds Wash 7/13 W RB 7/24/22.W

4—3381

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N.S.E. Form 134.

COLUMBIA RADIO 1922

Number.	Date.	From or To—	Subject.
613937	3/15	Phila.	Subm report on radio apprs removed from prior to sale. W.
			To Phila- rel removal of mat cc Pug Snd 5/20
			To S&A Reqst shipment of mat from Phila to SO Pug Snd 325 5/20
To 3			Phila- Subm list of material read from stock. 6/5 W
			S&A 6/7 Copy action Phila W
			Phila 6/20 Sun Ship Bldg Corpn- Have no inform concering mission apparatus W
			Fwds Washn 7/11 RP 7/25 W
			To Pug Snd- rel removal of mat 8/10
			To S&A Reqst shipment of mat from Washn to S Pug Snd 8/12
612876	from other side		Fwds S&A- Shipment of mat 7/26 W
			To Washn- Spec spare parts for Model E FG M and R recg equipment stock of Recomdn 8/7 see 898
			To S&A Reqst shipment of mat from Washn to SO Pug Snd 851 8/9
			Fwds C-I-C Atlantic Fleet 8/12 RB 9/30 W
6 63204			

4—3381

[OVER.]

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COLUMBIA RADIO 1921

Number.	Date.	From or To—	Subject.
600825	12/14	CO	Request auth to turn in excess radio material. W. To CO Apprvd cc NY 12/28
601124	12/19	N.Y.	Request special allotment for radio instln be increased cov charges listed. W K To NY- Gives instrns rel work 12/31 New York 1/12 Request instructions covg invoicing antenna trunks W
601756	12/23	Atl.Fleet (T)	No vessel of fleet available to assist in calibration of radio compass on board COLUMBIA: W To C-I-C Atl Fleet- Reqst inform rel Plan 1/24
602367	12/29	Atl.Fleet (T)	Arrangements will be made to calibrate compass on board with destroyer from Chasn. W.
602510	12/30	Atl.Fleet (T)	Request shipt of 200 carbons for arc radio transmitters. W To S&A Reqst shipmt of Arc Carbon from SO Washn to SO 9449 1/3/22 RB 10/12 W To NY via S&A- Gives Action taken 1/6/22 S&A 2/27 W.

4—3381

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N. Eng. 134

COLUMBIA RADIO 1922

Number.	Date.	From or To—	Subject.	
604061	1/11	Atl. Fleet (T)	Request Bur Stand take measurements on arc transmitters. W. To Atlantic Fleet (T) Wave length correct aud audibility signal three hundred static forty W 1/16	
605594	1/19	N.Y.	Subm list of radio apprs removed from and turned into store. W.	
608196	2/3	N.Y.	Subm report on inspection and instln of radio apprs. W.	
609146	1/31	Atl. Fleet	Subm list of work performed on radio instln. W.	
611202	2/24	Phila.	Recommendations cov proposed locations of radio compass instln on- fwds. W.	

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[OVER.]

COLUMBIA MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.
613177	3/3	Dept	Copy of telephone conversation with CO rel to turning vessel over to Shipping Board. Y
616255	4/1	To Comdt MI T	7301 is five KW arc set removed from former GREAT NORTHERN in store MI. W ,MI T- Arc set removed from GREAT NORTHERN and is in store at Ft. Mason, Frisco. 4/3 W.
618095	4/11	Dept	Vessel delivered to Shipping Board Y
621701	5/4	Phila. c Copy	Vessel delivered to purchaser. Y

N. Eng. 134

Number.	Date.	From or To—	Subject.	

COLUMBIA MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
611742	2/27	N.Y.	Fwds copy of receipt of Pacf. Steam Ship Co. cov plans furn. D.	
611763	2/28	Dept	Copy of telegram to 4th Dist directing communication with CO rel to tugs and lighters needed in placing vessel out of commission. Y	
611822	2/12	Dept	Vessel will be placed out of commission. Y	
612151	3/2	Dept	Copy of letter to Ship Board listing radio material which will be removed from, before vessel is transferred. Y	
612313	3/3	Phila.	Confirms telephone conversation rel to removal of material from. Y CO 3/4- confirms telephone conversn rel to turning vessel over to Shipping Bd. 3/4 Y CO- Confirms telephne conversation rel to status of vessel. 3/3 Y	

4—3381

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N.S.E. Form 134.

COLUMBIA MACHY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.
612344	3/4	4th Dist. Copy	Vessel placed out of commission. Y
612463	3/3	Dept	Copy of telegram to CO directing place vessel out of commission at once. Y
612674	3/7	Phila.	Copy of telephone conversation with Dept rel to placing vessel out of commission and transferring to shipping board. Y
612861	3/7	Phila.	Confirms telephone conversation with Dept rel to stripping of material from vessel. Y
612972	3/9	Dept	Directs spare parts and equipt in store at New York belonging to vessel be transferred to president of the Co. which purchased vessel from Shipping Board. Y Fwd C&R 3/21 To NY- Ask if material is stored at yard 3/22 S&A 4/4 Y To S&A Reqsts shipment orders be cancelled 4/13 N.Y. 5/5/22. Y

4—3381

[OVER.]

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COLUMBIA (EX GREAT NORTHERN) MACHRY PLANT GENERAL 1921 1

Number.	Date.	From or To—	Subject.	
599722	12/8	N.Y.	Repairs and alterations incident to service of vessel as flag ship for Atlantic Fleet-subm list of. Y	
602492	12/30	To Judge Advocate of Court Inquiry	Fwds correspondence listed from files for inform rel work authd or performed upon ship Yd RB 1/24 Y	
602492	12/30	Dept	Request papers for mfg to fitting as flag ship for use of Court of Inquiry Y	
605752	1/19	Dept VOID VOID error	Request inform as to number and character of test to be conducted	
605768	1/19	New York	Fwds manufg request cov drawings for. D. To CC- Fwds photostats cc EO SO NY 2/16	

4—3381

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N. Eng. 134

COLUMBIA MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
609909	2/15	N.Y.	Subm report on cost of work on. A	
610765	2/15 2/20	N.Y. C&R	Subm inform rel to cost of AY Fwd Ord via Navgn-2;28-Yd	
611023	2/23	Dept	Copy of telegram to Atl. Fleet directing vessel proceed to Sun Ship Bldg. Corpn to be turned over to Shipping Board. Y	
611559	2/27	Dept	Copy of telegram to CO cov instrns rel to material to be removed from. Y	
611520	2/27	H. F. Alexander Copy	Reuest take stes to prevent removal of radio, launches and schlights from.	YL

4—3381

[OVER.]

167-9
COLUMBIA:MAIN ENGINES

1922

Number.	Date.	From or To—	Subject.	
USS COLUMBIA Eng 514-1922	4/29	To Mgr Maintenance & Repair NY	Six Rotors for turbine blowers Ra	
USS COLUMBIA Eng 514/22	5/10	Fwds S&A	Rotors for Turbine Blowers - Approval of cancellation and Cancellation Charges Ra S	

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

167 - 11

COLUMBIA AUXILIARY MACHRY 1921

Number.	Date.	From or To—	Subject.	
601026	12/12	MI p	Fwds correspondence rel to transfer of steering engine for GREAT NORTHERN from War Dept to Navy. Y Fwd C&R cc C&R 12/22	
		1922		
606004	1/23	Atl.Fleet Copy	Vessel requires new exhaust manifold for engine installed in barge of Chief of Staff. Y To S&R Reqst shipmt of manifold from Hamp Rds to CO 9585 1/24 To CO (T) Gives status of shipmt 1/25 To Guantanamo- Ask if material recd 3/27 Guantnamo- Manifold delivered to vessel 4/7 2/1- 4/7 v Y	
618535	4/14	C&R	35' motor boat #761 assigned to COLUMBIA is in store at Yard Y	611-12
620853	4/27	C&R	Copy of letter to Phila asking if 35' motor boat 3561 was turned in from COLUMBIA Y	611-12

4—3381

Number.	Date.	From or To—	Subject.	

167 - 12

COLUMBIA CONDENSERS 1921

Number.	Date.	From or To—	Subject.	
601551	12/21	N.Y. 627-1	Request price of condenser tubes be reduced to present market price. Fwd S&A cc NY 12/24 RB 12/29 Y To NY- Gives inform 12/31	Y

4—3381

Number.	Date.	From or To—	Subject.	

167-14 1921

COLUMBIA: (ex-GREAT NORTHERN) PROPELLERS:

Number.	Date.	From or To—	Subject.	
599906	12;1 M	IS	Propeller report Y	

4—3381

Number.	Date.	From or To—	Subject.	

167 - 21
N. Eng. 134

COLUMBIA ALLOWANCE PAYMENTS ETC 1922

Number.	Date.	From or To—	Subject.
612118	3/3	C[O] Copy	Gives value of title "B equippage. Y
613584	3/15	Phone to NY	Transfer of spare parts and equipment transfer authd Y

4—3231

[OVER.]

167 - 21
COLUMBIA

ALLOWANCE PAYMENTS & TC 1922

Number.	Date.	From or To—	Subject.	
605777	11/18 1/21	CO Atl. Fleet C &R	Request auth to approve all requisitions prior to furnishing vessel with allowance list. YR Fwd Oprns via S&A Fed & Surgy Drdn 1/26	
609329	2/12	Atl. Fleet (T)	Request allotment cov material required to complete authorized work. Y To C-1-C Atl Fleet (T) Authd 2/13 To CO Auths addnl allotment cc S&A 2/16	
609814	2/7	CO	Report on progress in preparation of allowance list. Y To CO-instrns-2;24-Ly	
611638	2/27	CO COLUMBIA	Fwds allowance list Y	

4—3381

167-25 1922

COLUMBIA: RECORD OF WORK:

Number.	Date.	From or To—	Subject.	
602985	12;31	CO PROMETHEUS	Quarter ending Dec 31st Y	
606410	1/1	CO	Quarter ending 12/31. Y	
606147	1;1	CO BLACKHAWK	Quarter ending Dec 31st.Y	
612162	3/3	N.Y.	10/7/21 to 1/7/22. _Y	
611933	3/2	To NY Brook (T)	Fwds Bureau cost of work report on COLUMBIA d	
615097	3/23	NY	2/27/22 to 2/28/22 Y	
615253	3/15	CO	Quarter ending 3/4 y	

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167-25

Number.	Date.	From or To—	Subject.	
618778	4/12	M.I.	8/3/21 to 9/2/21 Y	
619782	4/1	DIXIE	Quarter ending Y	

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[OVER.]

N.S.E. Form 134.

167-27 COLUMBIA: SURVEYS 1920

Number.	Date.	From or To—		Subject.
533968	11/26	Phila	40	Searchlight Y
536340	12/16	Phila	53	Hydrometer Y
572628	6/27		7	Hoes Y
601160	12/14		12/22	Pump oil Y
601269	12/19	NY	13/22	Valves, Gear racks Y
602416	12/28	NY	16/22	Battery Y
614247	3/1	Columbia	22-22	Batteries Y

167-27

COLUMBIA: SURVEYS:

Number.	Date.	From or To—		Subject.	
494595	5;19	NY	66	Various material.Y	
500024	6-17	To CO		Survey involved: reqst c py be fwd at once Y.	
504684	7-14	Fwd CO		Power boat engine parts Reqst as to numbers of engines parts Y. CO 7;16 Y To CO Reqst ret of survey at early date 7-22.	
506017	6;14	CO	190	Bars, hoes, buckets,etc.Y Fwd Atl Fleet 7-21. RB 8/24 Y	
509791	7/22	Phila	11	Bulbs, Rheostat Y	
509789	7/26	Phila	12	Pump, Rods, Y	
512703	8/17	Phila	18	Hoes, irons, drill Y	
525876	10;21	CO	30	Rocker shaft.Y	
531095	11/17	CO Phila	37Brasses,	Carburetors- Y	
533465	11/26	COLUMBIA	43	bulbs iron	Y

4—3381

CUSHING: SPECIFICATIONS & CONTRACTS. 1913

Number.	Date.	From or To—	Subject.
87162	1/10	Solicitor 28420-1	No.55: fwds copy of contract with Fore River Co. dated Dec.11th.N To FR.Fwds copy.1/10. To Gen Inspr.Fwds copy.1/15.
87970	1-18	Solicitor 28420-4	Copy of telegram to FR stating machy specns will be forwarded when received from Printer.N
88022	1-18	FR 173	Machy specns. Have received informal complaint as to non receipt and intention to claim delay on part of Govn and extension of time; Inspector claims not obligatory of Government to furnish.N
88378	1/23	To FR	Machy spcfns and electric spcfns; fwds.D
89792	2-7	FR 373	Machy specns; fwds list of changes recommended by contractors.D-N To C&R- Recommended if vessel can stand 2/17 C&R increased weight permiss.2-18 To---Changes agreed to except as specified.2/28. To C&R.Re increased weight.3/3. C&R recom. app. 3-13
94333	4/8	To FR	Fwds five sets page proofs of spcfns for machy and electric plant.D
96202	5/1	To FR	Machy specifications; 27 copies fwd.N To---request receipts.5/24.

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CUSHING: SPECNS. 543-1

~~VUSHIC~~

Number.	Date.	From or To—	Subject.
96274	5-2	TO Yards C.L. Nav Acad. Bd I&S, C&R	Fwds machy specns. D
100462	6-27	Bd.I&S	Specns; returns.D To---6/30.
102669	7-29	FR 2348	Galley proofs specns;reqt. permission to destry.D To---appd.8/8
143416	12-31	FR	Reports on loss of one copy of machy specns.D Request reply 4-28 has been found 4-28
509914	8;5	CO CUSHING	Returns specn book.D

1920

NB—0120

[OVER.]

CUSHING: TRIALS.

1917

Number.	Date.	From or To—	Subject.	
249699	9-14	FR	Monthly report; particular reference to propellers.N	
250244	9/17	FR	Monthly report.N	
258985	11/3	FR	Bill for authorized changes - fwds K	
263409	11/24	Solic	Expected on the 25 th - N	
266019	11/24 12/13	Dept C&R	Asks final settlement - N Fwd C&R-12-14	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

CUSHING: TRIALS. 1916

Number.	Date.	From or To—	Subject.
193049	7-8	FR	Monthly report.N
195575	8/3	FR	Monthly report.N To FR--Lists items charge to contrs. 1/27 To C&R--Will make ad interim payment. 1/26 To Sol--Fwds copy endorse of 10/3. 1/15 RB 1-19 Fwd C&R--Appvs vouchers. 10/25
196577	8-14	FR	Contractors ask list of charges made against since delivery/ N To Bost--reqt information 8/26 OVER Bost fwds statement 9-13 To--Lists work done at Bost chargeable to contr's. 9/16 Fwd Sol--(Jt) 10/17 FR contrs comments 9-28 Fwd Dept--Gives action on.10/3 To C&R--Gives reservations in ad interim payment.10/11 RB10/24
198458	9/5	Bd I&S	Request report on status of work, in connection with trial.N To--Reports on. 9/7
198762	9/7	FR	Monthly report.N
201053	9/26	Bd I&S	Report of final trial.N To FR--Fwds for recommendation. 10/5 To FR--Reqt comment and recommendation. 10/26 To Norf--Gives action on. 10/26 FR final trial report; fwds contrs and CO comments on changes recommended 11/19 To Norf--Gives action on. 11/25
201449	10/4	FR	Monthly report.N
201521	9/19 10/4	Bd I&S Dept	Final trial; fwds report.N Fwd C&R--10/10
202341	10/13	FR	Machinery weights; contractors claim release from certain increases.N FR request action 1/3
202457	10/14	C&R	Final trial; fwds b/p copies.N

N.S.E. Form 134.

CUSHING: TRIALS. 543-2

Number.	Date.	From or To—	Subject.	
204513	11-3	FR	Monthly report.N	
207613	12-4	FR	Monthly report.N	
		1917		
210577	1-4	FR	Monthly report	
214046	2-6	FR	Monthly report.N	
217704	3-9	FR	Monthly report.N	
221670	4-5	FR	Monthly report.N	
196577	OVER Reservations in S.E. 11-15 To Solicitor joint. 11-21	To C&R- Final settlement	Fwd Dept--(J) Ad interim payment. Recommendations 4/11 RE 4-16 Fwd C&R--4/17	
22659	5-4	FR	Monthly report.N	
232923	6/8	FR	Monthly report N ~~To--Monthly report may be discontinued.~~ 6/12 To FR--9/8	

NB—0120

[OVER.]

CUSHING: TRIALS.

1916

Number.	Date.	From or To—	Subject.	
175870	1-7 1-10	Bd I&S Dept	Directs arrgt be made to examine marine turbines after official traisl. at Key West Yd. Fwd Bd I&S-- 1/12 RB 3/9 To Key West--Auth exmain main turbines. 1/12	
175928	1-8	FR	Bills for auth changes. K	
176650	1-14	FR	Finished weight sheets. D To--Reqt itemized statement showing weight of electric plant. 3/22	
FR fwds finished weight sheets 3-30 To FR--Overweight or machy. 9/28				
178278	2-4	FR	Monthly report	
179823	2-23	FR Co T	Final trial; request report on in advance of Department's action. N	
		Fwd Deppt--5/12 RB 5/16	FR 5-22 FR reqt action 5/10 FR Contrs and Inspr comments trunks 5-2	
179848	2-31	Bd I&S To Bost-5/10	Final trial; uncompleted; fwds report. N To FR--Fwds copy report for comment. 2/25	
FR contractors disclaim respon 4-27 To CO-- 4/18 Fwd Dept--5/2 RB 5/11 FR reqt additional copy 2-28 To Bost-5/11 To Bost--Lists work auth. 4/18 To FR-- 4/18 Fwd Dept-4/20 Bost (T) reqt action 4-19			To FR--Add copy not available. 3/3 FR contrs have been requested to submit comments several times 4-7 Bost 5-13	To FR 5/26
OVER				
180964	3-4	FR SEE OTHER SIDE	Monthly report. N	
181120	3-8	C&R	Final trial; fwds b/p copies. N	
181196	3-8	FR	Contractors request that reservations for fitting auxiliary condensers, and joint main turbines be released. N To--Matter of making payment will be taken up after receipt of contr's comments on Final trial report. 3/11 FR reports shipment of pinions; cut from reserve list 3-27	

N.S.E. Form 134.

543 -- 2 CUSHING: TRIALS:

Number.	Date.	From or To—	Subject.
182916	3-27	To Dept.	Recommend change in home yard from Bost to Norf be deferred until repairs reported in final trial have been accomplished. N
183053	3-20	Dept	Final trial; fwds report with recommendations relative to inability to make 4 hour full speed trial.N Retd--Recommendations. 3/30
183030	3-27	FR	Delivery of; recommends item of spare springs, and spare armatures for gen sets be removed from list of uncompleted work.N
183973	4/5	FR	Monthly report.N Fwd CO--Reqt report on condition of pinions of reduction gear. 4/10 RB 4/27 Fwd CO--Reqt add information on 4/28 RB 6/12 To--New pinions not required. 6/13 FR reqt reservations for pinions be released 6-20
184902	4-14	FR	Final trial; fwds contractors and inspectors comments.N
187240	5-8	FR	Monthly report.N
179848	5-16	SEE OTHER SIDE.	To Bost--Re defects in exhaust trunks of main turbines. To FR--Gives Dept's action on claim responsibility for work. 5/15 Bost (T) estimate for labot 5-19 Fwd Dept-- 5/22 RB 5/24
		FR Cemcos disclaim respon on items 1s, 2s, 4s, 5-24	
188131	5-16	FR	Contractors bills for auth changes.K
190199	6-6	FR	Monthly report.N
192371	6-21	CO	Reports on steaming trials. N

NB—0120

[OVER.]

CUSHING: TRIALS. 1915

Number.	Date.	From or To—	Subject.	
164069	8-21	FR	Fwds list of uncompleted work, amounts recommended for reservation; list of stores, spares, etc. delivered with vessel. N To C&R gives reservations recomd. 8-24 To Dept.-(JOINT) Prelim settlement; rec for. 9/17	
164168	8-23	Solicitor	Delivered Aug 21.N	
164212	8-24	Bost	Prelim trial reports; submits estimate on certain items; reqt telegraphic action.N To (R) 8/25	
164245	8-24	FR	Fwds bills covering auth changes.K	
164424	8-24	Dept	Copy of letter directing trials after commissioning.N	
164528	8-28	FR	Fwds corres re extension of time; fwds contrs request. N Fwd Dept via C&R--Rec. 9/1, RB 9/13 To--Grantes extension of time.9/14	
164948	9-1	FR	Monthly report. N	
164806	8-31	F.R.	Reduction gear- spare pinions - are to be furnished as a change and should not be included in reservation	543-9
166426	9/21	Solicitor	Preliminarily accepted Aug.21. N	
166456	9/20	Dept	Directs prel. acceptance and payment. K Fwd C&R-- Vouchers appvd. 9/24	

N.S.E. Form 134.

CUSHING: TRIALS, 543 -- 2

Number.	Date.	From or To—	Subject.	
167056	9/28	Amer Soc	Trial Trip, by Lt. O. L. Cox; reqt permission to publish.C Fwd Nav Intel-- No objection to. 10/2	
167437	10-4	FR	Monthly report	
170536	11/5	FR	Monthly report.N	
171827	11/19	FR	Reservations for uncompleted work at time of delivery.N xFwd Dept via C&R--Recommendations.11/23	
173089	12-3	FR	Monthly report.N	
173738	12/7	Solicitor	Machinery specifications for trial board; reqt.N TO -- fwds 12-14	
173801	12/11	Dept	Final trial; fwds copy of orders to Board.N	
174382	12/20	Bd I&S	Final trial; reqt be furnished with list of uncompleted work, etc.N To--Fwds. 12/22	
175193	12/30	FR	Reqt that decision on unsatis condition of thrust be held up pending final trial	543-9
175684	1-6	FR	Monthly report.N	

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[OVER.]

1915

CUSHING: TRIALS.

Number.	Date.	From or To—	Subject.
159976	7-7	FR	Trial board report; takes exception to Board's recommendation to couple turbine drains to air pump.N To--Item 29s may be cancelled. 7/9
160080	7-8	C&R	Prelim trial; fwds b/p copy. N
160177	7-10	FR T	Reqt turbine repairs be postponed until after trials and test.N. Leter amplifying. 7-10 To--(T)Appvs postponement. 7/12
160384	7-6	Bd I&S	Report of post trial examination. N Fwd C&R-- 7/15
160453	7-12	FR	Prelim trial report; understands contractors will not undertake work for which they are not held responsible by Board.N To--Will be done by Yd after delivery.7/15
160850	7-17	FR	Contractors reqt date be set for resumption trial. N Fwd Bd I&S-- 7/20 RB 8/7
160953	?	Bd I&S	Fwds copy of inspectors report on post trial examination.N
161132	7-19	FR	Builders trial; reports on.N
161707	7/26	FR	Forced draft blowers; recommends be considered satis; in connection with trials prior to prelim acceptance.N

N.S.E. Form 134.

CUSHING: TRIALS. 543 — 2

Number.	Date.	From or To—	Subject.
161708	7/26	FR	Reports on post trial examination of machy.N
162509	7/22	FR Co	Fwds bills for appd changes.N FR--fwds duplicate copies of affidavit relative to 8-hour law 8/5
162763	8/2	Bd I & S	Prelim trials; supplementary report.N TO FR fwds 8-12 FR all work required has been done or appears on list fwd 8-13 8-14
162850	8/6	FR	Monthly report.N
163062	8/9	Bd I&S	Post trial examination; reports on condition of various items.N
163063	8/9	Bd I&S	Supplementary statement on resumption of prelim trials.N
163177	8-10	FR	Bills for changes; affidavit for 8 hour law.K
163247	8-2 8-9	Bd I&S Dept	Supplemental report on prelim trial.N Retd C&R 8/13
163302	8-11	FR	Builders trial; reports on.N
163616	8/14 8/17	FR 3080 C&R	Contractors reqt authority to deliver vessel Aug. 19th; insprs report on readiness.N To FR (T)--recommended when all uncompleted work completed satis to insprs 8/19
Fwd Dept 8-20 RB 9/2		TO FR 8-20	
163792	8/19	C&R	Fwds b/p copies supplementary report prelim trial.N

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[OVER.]

CUSHING: TRIALS.

1915

Number.	Date.	From or To—		Subject.
156755	6/2	FR		Will be ready tocomplete consumption runs June 7th.N
156953	6-5	FR	2152	Drain from main bearings; required by trial board; contractors state cannot be fitted.N To--Change specfns to agrre with plan.6/9
157130	6-7	FR		Left works 5th for builders trial.N
157131	6-7	FR		Left works June 7 for official trial; lists Navy men on board.N
157185	6-8	FR		Monthly report
157291	6-10	FR	T	Cruising turbine thrust burned out on endurance run; contractors reqt post trial examination be completed with exception of bearings.N To--Auth post-trial examination of 6/11
157455	6-10	FR	2219	Official trials; reports on return from; trouble with engine thrustbearing.N
157747	6-11	FR		Company request list of uncompleted and unsatis work as reported by trial board.N To--Instructions.6/15 FR--fwds contractor's comments 6/21
158618	6-18	Bd I&S		Prelim trial; fwds report.N To FR--Fwds copy report; reqt contr's complete work 6/23 Further 6-26
	To Cramps-- Fwds copy.7/10			
158752	6-22	FR		Reports strike in coppersmiths shop.N

N.S.E. Form 134.

CUSHING: TRIALS. 543-2

Number.	Date.	From or To—	Subject.
158912	6-23	Dept	Report of board on prelim trial.N Retd-- 6/28
159059	6-25	FR	Copy ofletter to Board reporting on post trail examination of machy. N To--(T) Auth contr's renew section which contains damaged balding.7/7 To Dept--Recf exaimnation be made of starboard turbine' 6/30 Fwd Dept-- 7/9 RB 8/25 To--Fwds copy of corres' 7/9 Bd I&S report on insp stbd turbine 7-6
159056 FR not understood 7-7	6-26	FR 2446	Copy of inspectors comments on list of unsatisfactory work. N To--Cancellation item 24s authorized.6/28
159159	6-21 6-28	FR Bd I&S	Unsatis work: recommends change in ladder back of boiler.N Fwd Bd I&S-- 6/29
159482	6-24 7-1	FR Bd I&S	Fwds contractors comments on pressure governor supplies main feed pump.N Fwd Bd I&S-- 7/3 To FR--Instructions. 7/3
159561	7-1	FR	Asks home yard assigned in connection with shipment spare parts. R To-- Home Yd at Boston. 7/6
159833	7-6	FR 2549	Fwds contractors comments and Inspectors report on condition of stbd main turbine, and uncompleted trial; vessel cannot be ready for continuance of trial on the 9th.N Fwd Dept Via Bd I&S--Recommendations.7/9
159874	7-7	FR	Monthly report.N
159878	7-6	Bd I&S	Fwds Inspector's report on post trial exminat ion, with comments. To FR--Fwds copy above' 7/9

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CUSHING: TRIALS. 1915

Number.	Date.	From or To—	Subject.
154740	5-10	FR 1789	Dock trials; reports on.N
154760	5-11	Dept	Prelim trial; copy of precept to Board. N
154840	5-10	FR	Final trial; lists special points for board to observe during.N Fwd C&R-- Noted. 5/14 To Bd I&S--Reqt comment on.5/14
154985	5-13	FR 1844	Measuring tanks for feed water and fuel oil on trials; recommends against fitting scales if tanks are calibrated. N Fwd Bd I&S--For comment. 5/14 RB 5/18 To--Appvs. 5/19
155194	5-13	Bd I&S 1170	Reqt loan of radio apparatus for use during trial.N To Bd I&S--refers to Bu letter 155096-543-6--5/18
155218	5-17	To FR. (JOINT)	Preliminary trials; reqt report as to the readiness for.
155223	5-17	To FR. (T)	Report whether contr's will equip with temporary wireless outfit during trials.N FR 5/18 (T) contractors will not equip.
155320	5/17	FR	Reqt travel orders for certain employees attached to office to go on trials of.N To--(T) Why both Seed and Neil. 5/19 FR (T)--Gives reasons for Seed & Neil going 5/19
	To--Have reqtd order for Seed and Newman. 5/19		
155308	5/17	FR	Fwds bills for authorized changes.K
155379	5/17	FR	Builder's trial. N

N.S.E. Form 134.

CUSHING: TRIALS. 543 -- 2

Number.	Date.	From or To—		Subject.	
155454	5/18	FR	Joint	Gives status of unsat and uncompleted work Inspr states may possibly be ready for trial on the 25th.N To Bd I&S--Comments on. 5/20	
155452	5/18	FR		Builder's trial; reports on.N	
155392	5-19	To Dept.		Reqt for orders for Draftsman C.D.Newman for trial of. F FR--asks if Newman shall go on trials 5/22(T) To FR-- Newman ordered to go on. 5/22	
155452	5-20	To FR. (T)		Reqt recommendation as to readiness of ship for prelim trial. D	
155599	5/21	FR	T	Will be ready for trial 25th.N	
155688	5-13	Bd I&S		Trial; reqt detail of draftsman and computing machine.N	
155838	5-22	FR	1968	Left works for another builders trial. N	
155913	5-24	FR	1991	Builders 2nd trial run; fwds data on.N	
155914	5-24	FR	1979	Reports leaving works May 23 for official trials; gives list of draftsmen and men on board.N	
156308	5-29	FR		Fwds memo of Lt. Seed on first prelim trial. N	
156352	5-28	FR		Reports return from official trials.N	
156776	6/2 6/3	FR T Bd I&S		Board will conduct uncompleted trials commencing June 7th.N Fwd Dept-- Noted. 6/7	

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1915

CUSHING: TRIALS.

Number.	Date.	From or To—		Subject.
149637	3-13	FR	906	Reqt Bailey counters for trial.N To--Have directed shipment of from NY. 3/15 To NY-- Ship to FR. 3/15 To S&A-- Reqt for shipment. 3/15 To FR--Do not remove Bailey counters until remaing trials have been completed 7/14 FR will re install 8-16
150198	3-19	FR	989	Fuel oil used on trial trip; analysis.N To-- Appvs contr's reqt. 3/22
150642	3-23	FR		Bills for authorized changes.K
151079	3-30	FR	1127	Fwds affidavit re 8 hour law in connection with bill for authorized changes.K
151879	4/7	FR		Monthly repport.N
152451	4-13	FR	1348	Ret postponement of trial. N Fwd Bd I&S-- Rec appvl. 4/16 RB 4/19
152674	4-16	FR		Prelim trial; fwds synopsis machy data.N To Bd I&S-- Fwds above 4/19
153033	4-12 4-22	FR Co. C&R	Re	Reqt trial be postponed until May 6.N Fwd Dept Via Bd I&S-- Noted. 4/23
153148	4/22	FR		Lefft contractor's works for docking at Bost.N
153119	4/22	FR		Contractors request trial May 6th; Inspr states will not be ready.N Fwd Dept Via Bd I&S--Comments o.j. 4/26 RB 5/14--trial to be held at Rockland, Me. on May 25, 1915 or as soon after as practicable

N.S.E. Form 134.

CUSHING: TRIALS. 543-2

Number.	Date.	From or To—		Subject.
153177	4-23	FR	1489	Fwds list of pumps and machinery intend using on trial; also proposed test of distilling apparatus,etc.N To--Instructions. 4/26
153217	4-24	FR		Reports return to works.N
153299	4-26	To FR.		Machinery specifications; reqt corrected copy of be fwd to Bu for use of Trial Bd.N FR fwds specns 4-28
153903	5-1	FR	1641	Reqt authority to test condensers and turbine casings,etc by wairr pressure in lieu of water pressure. DC To--Test as specified in specfns. 5/6 FR contractors are finished condensers ar own risk 5-7
	To--Test for air leaks will be allowed to stand. 5/11			
154393	5-6	FR		Monthly report.N
154408	5-6	FR		States contractors will not be ready for trial on date set.N
154649	5-11	Solicitor		Reqt machy specns for trial board.N To-- Fwds. 5/11
154736	5-10	FR	1771	Quotes contractors comments on items of unsatis work.N To--Appvs recommendations. 5/18
154737	5-10	FR	1773	Quotes telegram from Bd I&s vessel will be ready for trial May 25. N

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CUSHING: TRIALS.

1914

Number.	Date.	From or To—		Subject.	
138793	11-5	FR		15th payment;reqt.K	
139013	11-6	FR		Monthly report.N	
141378	12-5	FR		Monthly report.N	
141582	12-8	Bd on Changes, FR		Additional two hour trial at 12-1/2 knots To FR-- Fwds copy report, appvd. 12/10	
142001	12-11	FR		16th payment;reqt.K	
142244	12-16	Exp.Sta	TEST 470	Kiely traps; report of test. D	543-20
142965	12-23	FR	4036	Fwds reqt from contractor for extension time due to turbine changes.N Fwd Dept Via C&R-- Comments. 12/29 To--Will take up after delivery 1/21	

1915

143790	1-5	FR		To be launched Jan 16.N	
143922	1-6	FR		Monthly report.N	
144688	1-16	FR	T	Successfully launched 11:15. N	
145425	1-22	FR		17th payment.K	

N.S.E. Form 134.

CUSHING: TRIALS. 543-2

Number.	Date.	From or To—		Subject.	
146241	2-2	FR	398	Reqt extension time sufficient to cover 17th and 18th instalments. N Fwd Dept Via C&R--Recommendations. 2/6 To--Will take up after delivery. 2/24	0324
146457	2-4	FR		Monthly report.N	
146473	2-4	FR		Reqt arrgt for prelim trial early in April.N Fwd Dept-Via C&R-Bd I&S--Date satis.2/8 RB 5/13 Fwd C&R 5/14 RB 5/19	
147790	2-18	FR		18th payment.K	
148520	3-1	Dept		Full power and smoke prevention trials. F.	
148698	3-2	FR	761	Reqt trial board arrange for trial Apr 26 N Fwd Bd I&S Via C&R--Date satis. 3/5 To-- 3/13	0812
148785	2-26 3-3	FR Co. Dept		Appeals to Asst Secy personally for assistance in getting extension time.C To FR Co-(Sedy's sig)Comments on. 3/6 Memo To Asst Secy-- 3/15	
148970	3-4	FR	782	Prelim trial; fwds plan showing arrgt for measuring feed water and fuel oil,etc.N	
149055	3-5	FR		Monthly report.N	
149223	3-8	FR	842	Prelim trial; fwds list of work which contractors reqt permission to complete after trial.N	
149456	3-2 3-11	FR Co C&R		Reqt authority to hold trials during week of Apr 26.N Fwd Dept-- 3/13	

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CUSHING: TRIALS.

1914

Number.	Date.	From or To—		Subject.
117118	2-7	FR		Monthly report.N
117197	2-5	FR	447	Arrgt for measuring fuel oil during trial trip/ Print.D Fwd Bd I&S.for comment.2/11. To---appd.2/24.
117387	2-9	FR		8th payment;reqt.K
118063	2-16	FR	583	Trial; arrgt for measuring feed water; print.N Fwd Bd I&S.for comment.2/21. FR reqt action 3-7 To---appd.3/12.
118860	2-27	FR		9th payment;reqt. K
119390	3-6	FR		Monthly report. N
122019	4-8	FR		Monthly report. N
122293	4-10	FR		10th payment;reqt.K
124437	5-7	FR		Monthly report.N
125423	5/19	FR	1717	Additional 2-hour trial 15-1/2 knots; inc cost.N TO -- & Genl Inspr 5-22

N.S.E. Form 134.

CUSHINGS TRIALS. 543--2

Number.	Date.	From or To—	Subject.
125833	5/25	FR 1784	Additional 2-hour trial; revised estimate inc.cost.N
126098	5/28	FR	11th payment; reqst.K
126658	6/4	FR	Monthly report.N
129093	6-2	FR	12th payment; reqtK
129139	7-3	FR 2173	Trial trip instruments;fwds plans showing arrgt. N Fwd Bd I&S.fwds prints and asks if satisfactory.7/7. FR reqt action 7-20 To---appd.7/31.
129500	7-7	FR	Monthly report.N
131907	8-7	FR	Monthly report.N
132550	8-17	FR	13th payment;reqt.K
133008	8-26	To FR	Preliminary Trial; instruction to Insp of Machinery. N To Bd Insp & Sur-- Fwds copy of letter sent FR-- 8/26
133872	9-4	FR	Monthly report.N
136424	10-7	FR	14th payment;reqt.K
136460	10-8	FR	Monthly repot.

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CUSHING: TRIALS: 1913

Number.	Date.	From or To—	Subject.
87671	1-14	FR	Reports strike of pipe fitters and plumbers; will submit statement delay later.N Fwd Dept.1/17. R.B 1-21 To---Quotes Dept's action.1/23.
90391	2/14	FR 441	Proposed division of hull and machinery.N To Inspt. Fore River - submits - submt detailed divisions 2/26
91871	3-6	FR 668	Proposed detailed division of machy allotment. To---encloses revised copy.3/13. To---Fwds supply form 102. 4/29.
91872	3-5	FR	Monthly report.N
95222	4/16	FR	Monthly report.N
95228	4/16	FR	1st payment; request.N
97560	5-16	FR	Monthly report.N
99182	6-7	FR	Monthly report.N
100396	6-25	FR	2nd payment;reqt.N
101349	7-10	FR	Monthly report.N
103379	8-8	FR	Monthly report.N

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CUSHING: TRIALS: 543-2

Number.	Date.	From or To—	Subject.
104099	8-19	FR	3rd payment:reqt.K
105290	9-8	FR	Monthly report.N
106811	9-29	FR	4th payment;reqt.N
107441	10-7	FR	Monthly report.N
109886	11-7	FR	Monthly report.N
110542	11-14	FR	5th payment:reqt.K
111999	12-4	FR	Monthly report.N
112744	12-12	FR 3944	6th payment;reqt.K
114697	1/9	FR 1914	Monthly report.N
115365	1-15	FR	7th payment; reqt.K
115271	1/19	To FR	Change in trial requirements; add two-hour trial with main turbines only, during which time oil and water consumption will be carefully measured; reqst est inc cost.N

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1916

CUSHING: ELEC PLANT.

Number.	Date.	From or To—	Subject.	
190538	6-10	Lake	Finished plans; record of elec appliances; relative to contract requirements.L	
192693	7/5	Bd Changes	Change in number of spares for the turbo-generators; no change in cost.N	
197260	8/21	To DO	Quarterly Report of Electric Plant; load in amperes; believes figures shown in error.L CO fwds 8-25	
409551	5;17	CO	Req action.	
442191	8/28	To CUSHING	Electric plant, unsatisfactory condition of ice machine motor and smoke telegraph system asks complete report covering L. CO- comments on unsatis condition of ice machine motor and smoke telegraph system.	543-8 9/5.
504369	7;9	Inspr Phila Vol see 545-2	Copy of telephone conversation with Elec Stor Bat Co in connection with defective cells for L-7.L	

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Number.	Date.	From or To—	Subject.	

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CUSHING: ELEC. PLANT.

1913

Number.	Date.	From or To—		Subject.
87838	1-16	FR	154	Lighting and I-c systems; asks if Bureau will furnish type plans.L. To---Will issue type plans at an early date.1/20.
91397	2/27	FR	595	Type plans, electric plant; requests be expedited.L To---plans will be issued as soon as completed.3/1.
98897	6-5	FR	1749	Fwds print of Lovell's 5 amp. d.p. switch and receptacle and asks if satis.L To---plan disappd.6/7.
101899	7-19	FR	2210	Elec. wiring in vicinity of compasses; Asks if to be steel or copper armored.L To---requirements.7/21.
105669	9-12	FR		Name plates for elec. insulators; fwds list.L
			1914	
120203	3-13 3-14 3-16	Lovell, F.H. & Co Brook FR		5 amp single receptacles; reqt acceptance of material varying from drawing. S To FR.states what is satisfactory.3/20.
121881	4-7 VOID	Bath	510	Record of Elec Appliances; and finished elec plans; reqt interpretation of specns as to what is to be furnished.L
134384	9-10	FR	3001	Wiring plans; fwds corrected. L To-- Ack receipt. 9/21 To-- Instructions. 9/24

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CUSHING: ELDC PLANT. 543-3

Number.	Date.	From or To—		Subject.
136103	10-3	FR	3197	Lighting and I-C plans; fwds.L
			1915	
144179	1-8	FR		Reqtconfirmation of contractors understanding of requirements.L. To--Instructions· 1/15
144434	1-12	FR	143	Reqt that power, lighting, and I-C leads be made on single sheet for finished plans.L To-- Appvs· 1/16
157695	6-12	FR	2228	48 hour test elec plant; fwds.L To--Prelim accepts. 6/23
161321	7-21	FR		5 copies Record of Elec App: on hand; reqt shipp ng instructions.L To--Instructions/ 7/27 FR 7/30 To-- 8/5 FR fwds 8-24 To - acks. 8-28
162319	7/30	FR		Test of elec plant; fwds print of installation resistances, etc in circuits.L To--Appvs. 8/6
168863	10-19	FR		Finished elec plans too large to mail; reqt instructions to ship Bost by express. L To S&A--Reqt shipment of to Bureau. 10/22 To--Ship to Bureau. 10/22 FR will forward tracings to Bu by Adams Exp 11/4
			1916	
183697	3/15	CO		Alterations; shaft revolution indicators, call bells, install standing light for deck house, install call bell on bridge.L

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[OVER.]

CUSHING: INT.COM.SYSTEM. 1914

Number.	Date.	From or To—	Subject.
125425	5/19	FR 1719	Omission of oil fuel signal system;dec cost.D To---appd.5/23. TO Genl Inspr 5-23 FR 5/28.corrects estimate.D
126043	5/27	FR 1798	Somke indicator systems; fwds plans.L To---appd.6/2.
128367	6/24	Bd on Chgs	Omission of fuel oil signal system; est dec cost.N Fwd Dept rec appr.6/26. BR 7 8 appd ToFR-appd.7/9. Fwd C&R.7/22.
128595	6-23	FR	Smoke indicating system; plan.L To---appd as mod.6/30.
129044	7-2	FR 2168	Elec operated secondary counter; plan.L To---appd.7/7.
129708	7-10	FR	Smoke indicating system; ect inc cost.L To---action deferred.7/18. To--Change appvd. 12/8 To Gen Insp-- 12/8
135736	9-29	FR	Voice tubes; genl alarm and after steering station; inc cst.L To-- 10/6 To-- Gen Insp. 10/7
141568	12-7	Bd on Changes, FR	Change in voice tube calls, necessitated by arrgt of voice tube communication between steering room after steering station and bridge. E To FR-- Fwds copy report, appvd. 12/10

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CUSHING: INT COM SYS 543-4

1914

1915

Number.	Date.	From or To—	Subject.	
158510	6-18	Bd on Changes, FR	Installation of a smoke indicator sys/ inc cost Fwd Dept-- Rec appvl 6/23 RB 7/3 To FR-- 7/6	
166358	9/20	FR	Omission of fuel oil tank signal system; rec. increase of decreased cost. L To--Appvs. 9/25 To Gen Insp--9/30 Fwd C&R 12/16	
172560	11-29	Bd on Changes, FR	Omission of fuel oil tank signal sys; Dec cost. N	
203454	10/20	Norf	Protests against assignment vessel Norf for completing change in torp tubes	543-8
215725	2-20	Norf	ALYWIN class & CUSHING: bell signals from torp tubes to air compressors; plan.	496
218690	3-19	ERICCSSON	& MCDOUGAL: CUSHING: FWDS sketch of proposed fire control voice tubes agreed upon by COs; request work be auth.	647-10
224540	4/10 4/24	CO C&R	Change position of voice tubes L Fwd C&R--4/26	
400534	3/7 To C&R- Recommends no changes be undertaken at this time. 3-14	C&R	Request comments of modifying fire control voice tubes to conform to present practice-L	

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CUSHING: INT.COM. SYS. 1913

Number.	Date.	From or To—		Subject.	
110255	11-12	Bd on Changes, FR		Change in mechanical engine order tel dial markings. Inc cost.N To FR appd.11/15	
110259	11-12	ditto	Ins	Installation on birdge of two elec. shaft revolution indicators one for each shaft. Inc cost. N Fwd Dept.rec appr.11/15 RB 11 20 appd To FR.appd.11/20.Fwd C&R.12/22.	
110879	11-19	FR	3627	Shafting revolution indicator system: fwds print of choke coil inside indicator casting.L or case. To---appd as mod.11/22	
111012	11/22	To FR		Fuel oil tank indicator system: if no work has been undertaken, Bureau desires be omitted.L	
111279	11/24	FR	3704	Fuel oil tank signal system; recommends be omitted.L To---appd.11/29.	
112055	12-4	C&R	29479-E.2	Voice tube system; flush deck receptacle; print.L To--FR- fwds 12/10 Fwd C&R- satisfactory 12/10	
112532	12-10	FR	3924	Elec shaft revolution indicators sys; fwds plans and rect. data on type lantern required.L TO -- satis 12-16	

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1914

CUSHING: INT.COM.SYS. 543-4

Number.	Date.	From or To—		Subject.
115913	1/26	To FR		General alarm gong system; deisres contact maker be relocated on bridge.L
116180	1-26	FR	705	Omission of fuel oil tank signal system; fwds modified print.L
116522	1-29	FR	353	Voice tubes; contractors reqt. inc cost for head sets and flush deck receptacles; are ready for inspection. L To---under C&R.2/3. Fwd C&R.2/4
117768	2-12	FR	554	I-C system; print.L
119835	3-10	C'R	29479-E.4	Voice tube system; fwds plan and comment. L TO FR fwds copy of end. 3-17 Fwd C&R VIA ORD satis 3-17 FEB 3 24 Fwd C&R.3/25.
123321	4/23	FR	1362	Smoke indicator system; fwds contractors' request that a navy standard action cut-out switch be arranged as a transfer switch.L To---instructions.4/28.
123909	4-30	FR	1442	Genl. alarm gong contact maker; to be relocated on bridge; no change in cost.L
124037	5-1	FR	1456	Smoke indicating system; plan. D To---appd as mod.5/5.

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CUSHING: INT.COM.SYS. 1913

Number.	Date.	From or To—		Subject.	
99311	6-10	FR	1809	I-C system; fwds plans and wire list.L To---comments.6/24.	
99427	6/14	To FR		O'Brien,etc. Interior communication system, fwds prints covering addition of a voice tube outlet in pilot house.	539--4
100472	6-26	FR	1950	Recommends 6" in lieu of #3" vibrating gongs in fire room.L To---appd.7/2.	
101538	7-11	FR		Mechanical telegraphs;fwds b/p.L To---appd.7/19.	
101715	7-15	FR	2134	I-C system; fwds wiring plans.L To---appd as mod.7/22.	
101860	7-18	FR	2181	Shaft revolution indicator system;reqt. authority to use D-C instruments.L. To---requirements; change in cost.7/26.	
102134	7-18	O&R	29479-E.12	Voice tubes; fwds plan for comment. L To FR.fwds copy of corres; request copy of plans for file.7/29.Ret---satisfactory as mod.7/29.	
103524	8/13	To FR		Voice tube for steering purposes; forwards copy of 103261-539-4; request estimate of change. L	

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CUSHING: INT.COM.SYS. 543-4

Number.	Date.	From or To—		Subject.
105342	9-8	FR	2765	Shaft revolution indicator system; plan.L TO -- appvd 9-12
105400	9-9	FR	2783	Engine order telegraph dial markings; change in cost.L TO -- 9-15 TO Bd 9-15
106660	9-26	FR	2925	I-C wiring plans; print.L To - reqs. good copy of plans 10-1
107128	10-3	FR		Shaft revolution indicator system; fwds Cory plans. L To---plan satisfactory.10/8
107190	10-4	FR	3053-	I-C wiring plans;fwds.L
108373	10-18	C&R	29479-E.2	Voice tubes; fwds prints.L To FR.request plan Cory Dr.1372.10/25 Ret---plan satisfactory.10/25
108708	10-23	FR	X3247	Shaft recolution indicator system; est.inc.cost.L Fwd Dept.for consideration.10/30. To---change authorized by Dept.11/8 TO GENL Inspr 11-8
109302	11/1	FR	3355	Voice tubes; fwds print showing flush receptacle.L To---comments will be submitted to C&R. 11/5

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[OVER.]

1917?

Number.	Date.	From or To—	Subject.	
1278	10/4	To NY	Fans for CUSHING. Reqt copy of contr.	629
402448	3-15	Phone Machy Div. Ny	Searchlights- L	
416654	5;31	Mare Is.	Fwds phoot and chemical analysis of electro light strg battery for.	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

CUSHING: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
143353	12-29	FR 2071	Portable safety hand lanterns; fwds specns of Hirsch type; reqt authority to supply in lieu of Hubble. L To--Appvs use of. 1/2	
144513	1-12	FR 149	Portable elec safety lanterns; list of spares for. L	
151656	4/5	FR	Eled fixtures, over water gages; re type of for	548-5
152283	4-12	FR 1345	Elec fixtures for water gages; cannot secure exact cost. L	
156756	6/3	FR 2115	Recommends approval of model 45 voltmeter. L To--Rec acceptance. 6/14 FR Western modle 45 a proved. 6-18 To--Ammeter satisfactory. 6/22	
148213	6-8	To Bost.	Blinker signal set; report when set has been installed. L	539-21
159598	7-1	Bost	& O'BRIEN CLASS; reqt standard plans for revised mess room lighting. L To--Will furnish as soon as detailed information is rec'd. 7/27 To--Reqt changes be made in wordroom lighting on. 9/11	
162119	7/29	FR	Reqt blinker signal set be installed. L To--Set shipped Bost for installation after delivery. 8/5	

N.S.E. Form 134.

CUSHING: LIGHT & POWER. 543-5

Number.	Date.	From or To—	Subject.
164383	8-25	FR	Reports number of hours gen sets were in operation prior to delivery of vessel.
165150	9-3	CO	Raise night signal set lanterns. L To--Reqt further information on. 9/15
169120	10-19	Bost	Blinker signall; set install 10-9. L
173693	12/9	CO	States ward room lighting satisfactory; reqt changes be not made. L To Bost directs JO be not cancelled 12-15
207276	12/5	To CO	Wardroom lighting. Any changes heretofore auth not yet completed will be held in abeyance. L CO satisfactory 12/9
212427	1/24	CO R	Request wiring diagram, automatic truck light controller. L To--Fwds blue print of. 1/25
224680	4/23	CO	Requests authority to turn in spare amture. L Fwd NY--4/30 RB 3-27. To NY--Reqt reply. 9/11--10/31-RB. NY - 9/13 - L To- and NY- Quotes first endorsement and reqts reply to. 11-3 Fwd S&A- 4-1
224785	4/24	CO	Reports receipt of 12 inch signal search light L
228341	5/15	To CO	Disapprvs use of six dark blue lenses for signal lanterns to be used as a stern light.

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[OVER.]

CUSHING: LIGHT & POWER.

1914

Number.	Date.	From or To—		Subject.	
116186	1/29	to FR		Lighting system; new arrangement adopted; requests contractors incorporate certain changes.L To---corrects drawing number.2/17.	
117148	2-5	FR	450	CPO quarters; rearrgt of lights; est inc cost.L To---disapproves claim; gives items which involve change in cost.2/16	
119105	3-3	FR	707	Lighting system; previous order called for prismatic reflectors for ceiling fictures only; protests against making change at this time.L To---directs no further changes be made.3/7	
119123	3-3	FR	706	Lighting system; plan.L To---inclosure not received.3/6. FR did not intend to fwd enclosure 3-9 To---appd as mod. comments.3/14.	
120289	3/16	Cory, Chas. & Son		& NEVADA; fwds sample of 5 amp receptacle with 2 legs at reqt of FR; asks if satis	133-5
120555	3-19	FR		Asks if blinker signal light equipment is to be installed.L To---will be installed after del.of vessel.3/27.	
120715	3-21	FR	947	Truck light controller; not installed ~~with~~ in accordnace with plans 2189; will involve increased cost. L. To---This plan supersedes 27352-A. 3/27	
122376	4-11	FR	1218	Lighting system; plans.L To---Ack.4/16.	

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CUSHING: LIGHT & POWER. 543---5

Number.	Date.	From or To—	Subject.	
125428	5/19	FR 1708	Re-arrangement of Chief Petty Officer's quarters: inc.cost.L TO Genl Inspr & Inspr 5-23	
125422	5/19	FR 1716	Lights in officer's quarters; inc cost.L TO -- appvd 5-23 TO Genl Inspt 5-23	
126843	6/6	FR 1882	Automatic truck and screen speed light controler; submits plan.L To---appd.6/9. To--Instructions. 12/19	
128368	6/24	Bd on Chgs	Change in lighting chief petty officer's quarters: est inc cost.N To FR appd.6/26. Fwd C&R.7/22.	
134572	9-15	FR 3028	SEARCHLIGHTS: inc cost for motor feed.L To-- Disappvs. 9/19	
135737	9-29	FR	Truck light controller; inc cost.L To-- 10/6 To Gen Insp-- 10/7	
140069	11-17	FR 3649	Lighting system; fwds plan.L To-- ck receipt. 11/28	
141563	12-7	Bd on Changes, FR	Changes in lighting officers quarters; inc cost To FR--Fwds copy report, appvd 12/10	
141566	12-7	ditto	Use of Automatic truck and screen speed light controller; inc cost. To FR-- Fwds copy report, appvd. 12/10	

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CUSHING: LIGHT & POWER

Number.	Date.	From or To—		Subject.
101716	7-15	FR	2133	Elec. light and power system; fwds corrected plans. L.
101859	7-18	FR	2195	Turbo generator sets; submits prints of spare parts.L. To---reqst est on different lists of spare parts.7/29. To---reqst reply.8/20.
102206	7-22	FR	2240	1st stage nozzles; cruising turbine;b/p.D
102638	7-29	FR		Switchboard; spare parts; fwds list.L
104283	8-23	FR	2616	Night signal sets; reqt. authority to change connection of main supply cable as topmasts of vessel are arranged to be struck.L To---comments.8/27.
104519	8-26	FR	2651	Turbo generators; spare parts; estimate increased cost.L To--change appd 9/2 To Bd for appraisal 9/2 FR 10/16 Requests ret.for blueprinting.L To---fwds copies of estimates.10/25
105145	9-5	FR	2746	Turbo generator; resubmits outline and assembly plans.L To-- tentatively appd 9/10
108574	10/23	To GE		FR order 76093 for 12" bracket fans; asks reason for waiving inspection.S GE recommends inspection be waived 10-25 Ret---appd.10/27. RB 10 30

N.S.E. Form 134.

CUSHING: LIGHT & POWER. 543-5

Number.	Date.	From or To—	Subject.	
109384	11-3	Lovell, F.H. Co	Battle lanterns; reqt. authority to depart from specns re size of stuffing tubes for.L TO -- not auth 11-10 Brook reqt. copy of letters to Lovell To Brook.Fwds copy.11/18	11-15
110258	11-12	Bd on Changes, FR	Change in number of spares for the turbo generators; N To FR appd.11/15	
111718	12-1	FR 3787	Proposed arrgt lights in CPO quarters; change in cost.L To---further consideration will be given upon receipt of prints showing approval of rearrgt of chief petty officers quarters. 12/4	
113037	12-13 12-18	GE Co C&R	Turbo gen set; fwds copy of shippng bills covering spare parts,etc for.? Fwd GE.Asks why papers were sent to C&R.12/30 RB 114	
113164	12-17	FR 4007	Turbo gen; spare parts for; reqt award for change be re-opened.L Ret--request change be again presented to Bd on Changes.12/22. RB 12 29 To Gen Insp--Reqt question be re-opened.12/2/15 To FR-- Fwds copy above. 12/2/15	
114694	1/9	Mass	Fwds test reports of turbo gen.sets mfrd by GE Co.S To FR.Fwds test reports.1/16	
115249	1/17	To FR	Lighting system;request print.L	
115730	1-20	FR	Lighting system; fwds genl arrgt plan.L.	

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CUSHING: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—		Subject.	
93950	4/3	To FR		Lighting and power systems; fwds prints 2112-L showing type plans.L	
94875	4-12	FR	1092	Switchboard; contractors reqt. information in order to proceed with plans. L To--4/19	
94997	4/16	To Insprs		O'Brien:class, fwds prints of switchboards, 2113-L	539--5
95215	4/16	GE		& SACRAMENTO: turbo generating sets, fwds drawings and specfs to co verin	222--5
95410	4/18	FR	1191	Turbo generating sets; fwds prints of field rheostat.L To---appr withheld 4/25. To GE.request prints of 25 kw set.4/25.	
96108	5/1	To FR		Switch and receptacles for 12" fans; 5-ampere required.L	
96482	5/3	GE		& SACRAMENTO. turbo generating sets, states commercial 35-Kw and 25-Kw Navy sets identical except as regards nozzles,etc	222--5
97544	5-16	FR	1512	Night signal set; fwds b/p. L To---appd.5/20.	

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CUSHING: LIGHT & POWER: 543-5

Number.	Date.	From or To—		Subject.
97547	5-16	FR	1510	Turbo gen sets; contractors reqt. approval of detal plans. L To---one plan appd as mod.5/22.
97817	5-20	FR	1578	25 kw gen sets; list of spare parts for.L. To---appd as mod.6/2.
97818	5-20	FR	1977	Desk fans; list of spare parts.L. To---list is appd as mod.5/24.
97819	5-19	FR	1575	Searchlights; fwds outline prints and list of spare parts.L. To---satisfactory 5/23.
97996	5-22	FR	1594	Main switchboard; fwds print.L To---approval withheld.6/2.
98374	5-27	FR	1053	Electric light and power system; fwds wiring plans. L. To---appd as mod.6/7.
100034	6-20	FR	1886	Asks what type switch desired for searchligh for installation in pilot house.L To---requirements.6/28.
100296	6-24	FR	1924	Light and power system; contractors agrees to proposed arr. of reflectors,etc.L To---requirements.6/30.
101261	7-9	FR	2081	Deck and blkhd fixtures; have already ordered from Ober & Co. Asks if changes necessary.L. To---No changes desired.7/14.
101422	7-10	FR	2090	Switchboard; fwds b/p and spare parts.L To---appd.7/16.

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CUSHING: RADIO SET.

Number.	Date.	From or To—	Subject.	
210070	12-21	CO	Antennae with iron pipe spreaders deteriorated due to oxidation of iron; estimate submitted for replacement. W (Antennae)	
	12-29	Norf	To--Appvs work. 1/4	
220954	3-23	CUSHING	Reports on mica transmitting condensers.	882-1
226362	5/4	CO R	Request Wash Yd ship a Kolster decremeter. W To--(T)Decremeter disappvd. 5/5	
226563	5/5	To S&A	Reqt shipt of long wave receiver from FLORIDA to. W	
228664	4/20 4/27 5/16	CO NY C&R	Relocation of radio motor generators W To NY--Appvs ests.5/19 Fwd C&R--5/21 RB 5-24	
257349	10/22	CO	Alterations - move motor generator to engine room - W	
360658	10-23	To S&A	Rqst shipt radio apparatus Wash to Newport R I-W RB 3;17;19 Reqts cancel shipt order. 7-19	
360432	10-24	To S&A	Rqst shipt radio apparatus Wash to Norf, W RB 1;6	

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543 - 6 CUSHING: RADIO SET: 1919

Number.	Date.	From or To—	Subject.	
428501	6-27	To S&A	Reqt shipt amplifier from Wash to CO.W	
428993	6-30	To S&A	Reqt shipt receiver,audion control boxes etc from Wash to CO.W	

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CUSHING: RADIO SET.

1914

Number.	Date.	From or To—	Subject.	
121581	4-2	Bost	Reqt authority for work under SE. W To---via C&R will issue instrsn for installation after del.of radio sets 4/7.	
125935	5/27	C&R 29320-E.2	Masts and rigging; fwds plans in connection with radio.W To---plan satisfactory.6/3. To FR.fwds copy.6/3.	
126617	6/6	To Bost	Instructions re installing 5-kw radio sets purchased from F. Lowenstein on cont 20436	542-6
146028	2-1	To Bost.	Reqt plans and estimates for installing radio apparatus on. "	
		1915		
147196	?	Bost	Radio installation; estimate.W To--Comments on; reqt revised estimates and plans. 3/3	
150869	3-24	Bost	Revised plans.W To-- Modi satis. 4/1	
153403	4=24	Bost	Submits estimate for installing 5 kw Lowenstein set.W Fwd Dept-- Rec appvl. 4/28 RB appd 4/30 To--Appvs. 4/30	
155096	5-15	To Bost.	Radio apparatus for use in trials; auth issue of for trial of. W To--Asks action taken. 6/1 Bost no action taken; FR did not require	6-5

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CUSHING: RADIO SET. 543-6

Number.	Date.	From or To—	Subject.	
171196	11-12	CO	Reqt 5 kw radio set be installed NY in lieu of Bost.W. To--Will be installed home yard. 11/16	
175248	1-23	Bost T	Ultra audion detector not received; reqt authority to issue one assigned SALEM.W. To--(R) Interchange assignment auth. 1/3	
187764	5-13	To NY. (R)	Has provision been made to supply rheostats; can one be supplied CUSHING. W NY (R) all rheostats shipped Jan 9 5-16 To Bost--(R) Notifies of shipment. 5/16 Fwd S&A-- 5/18 RB 5/25 ref. Boston & CO 5/25 RB from Bost 6/6	
188404	5/19	To Bost	PRESTON; reqt estimates for overhaul and repair of temporary apparatus now installed to be removed upon installation of new 5 kw radio set on CUSHING	362-6
207189	12/5	To CO	Ask serial number of the combined audion ultraudion detector, filter type. W	
208205	12/7	CO	Has on board combined ultraudion filter #37.W	
208510	12-4	CO	Request telautograph be instlled for communication between radio room and bridge; C-in-C recommends waiting result of test on PENNA. WL To--Concurs. 12/20	

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CUSHING: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
436527	7;31	NY 9	Recommends balancing of starboard turbine be authorized. submits report of post repair trial. Y
439556	8;13	Dept	Copy of letter to NY stating August 30th as date of completion of work. A&Y
442191	8/2 8	To CUSHING 3	Electric plant, unsatisfactory condition of ice machine motor and smoke telegraph sytem asks complete report covering L CO-comments on unsatis condition of ice machine motor and smoke telegraph system. 2;5 To- Desires condition of ice machine be investigated and report made. 9-18
453873	10;24	NY copy	CUSHING docked-15 days- yardcraft follows. A
461609	12-4	Dept	Date of completion will be considered as indefinite; Y
477740	2;14 2;20p	CO NY	Submits general report on condition of boilers and engines. Y&D To CO 2/27 copy IM NY
485437	4;3	NY copy	Vessel will be ready to be towed to Phila April 6th-A

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543-8: CUSHING: MACHY PLANT: GENERAL:

Number.	Date.	From or To—	Subject.	
435848	4;5	Dept	Copy of telegram to 3rd Dis directing arrange to tow vessel from NY to Phila for delivery to Commandant.A	
497392	3/31 6/2	CO Dept	Report on material readiness - Y Fwd Operns via Ordn 6-4.	
508419	7;28	CO	Submits general report on condition of machy.Y	
510264	8;7	Phila copy	Vessel placed out of commission.A	
510676	8;7 8;9	CO Phila Destroyers	Vessel placed out of commission.A	
563716	5/10	Boston 1922	Revises estimated date of completion from August 1 to Oct. 1 D	543-10
640681	9/6	Phila.	No outstanding job orders on. Y	

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CUSHING: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.
269567	12-7	European Forces	Fwds report of work to be done during refit period.Y
302493	4/10	European Forces	Submits report of work to re-fit Cushion. Y To C&R- 5-3
385908	1;7	CO	Req. straighten starboard propeller shaft; renew port propeller ; rebore pumps etc. Y To Dept(Operations)-New boilers suitable for are being mfg'd. 1-23 copy to CO and NY
389152	1;25	Dept	Instruction in connection with holding matl. inspection Y To Bd I&S- Fwds correspondence in conn with material inspection. 2-4-19 To NY- Gives actio reqts yd to take in advance of inspection report. 2-15 Bd I & S - returns correspondence - 3/6
397046	2:24 2:21 Fwd C&R. 3-4	CO C&R	Req. overhaul boice tubes strengthen deck supports and all smoke pipe etc Y To I.M. Ny- Recommendation appvd. copy to CO. 3-3

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CUSHING: MACHINERY PLANT: GENERAL

Number.	Date.	From or To—	Subject.	
398165	???	Bd I&S	Fwds report of matl. insp. held 2;12	
	3;24	NY	To I.M. Ny- Gives detail action. 3-14	
	4;2	NY	To S&A- Reqts shipt data. copy to Hamp Roads. ~~RB~~ 5-9	
	5;16	S A	To S&A- Reqt shipt one lh propeller from Hampton Roads to NY. 3-27	
	Fwd S.O. Ny. 6-17	RB 6/24	To S.O. Ny- Inform if material received. copy to CO. 5-22 RB 6-14 (cross to 14	
407427	4/1	Dept	Copy of letter to NY setting 5/3 date of completion for work on - Y	
417277	5-9	Department	Copy of ltr to NY setting 5/12 as date of completion of work - Y	
418290	5-10	CO	Submits report of repair wire D	
	5-10	N.Y.	Dept 5-14	
	5-14	Dept	Fwd Operations via C&R. 5-15	
			Fwd Operations via C&R. 5-16	
432926	7-15	NY	Submits report of Board of Inspection. Fwd I.M. Ny. 7-22 R B 8/4	Y
			Fwd Operations. 8-8 RB-9;5	
434094	7-8	CO	Rqst instructions in conn with placing vessel in reserve.	Y
	7-19	Departm nt	Fwd Operations. 7-23	
436158	7;30	NY copy	NY - Vessel being placed in reserve- Vesselarrived yard for post repair trial.	Y&D

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CUSHING: MACHINERY PLANT.

Number.	Date.	From or To—	Subject.
202611	9/11 10/14	CO Flt	Alterations to blowers, piping, forced lubrication, pumps, replace lathe, valve, annunciators, buzzer circuits, etc. Y To Norf--Gives action on. 10/26
203454	10-20	Norf	Protests against assignment vessel Norf for completing change in torp tubes. Y Fwd Dept via Ord--10/25
205312	10-31	CO	Repair gen sets, tachometrs, lagging steam pipes Y
206253	11-21	Dept	Repairs must be completed by Jan 7. Y
210138	12/20	Norf	Submits list of JOs that cannot be completed by Jan 10 and reasons for 517-8

1917

214765	1-29	CO	Request alterations main engine lub system, fuel oil sergice pumps, misc piping changes, inridual lubrication system on blowers, floor plates fire rooms. Y Fwd Dept--Recommendations. 2/16 RB 2-21 To NY 2/21
217940	2-26 3-3 3-13	CO Torp Flt Dept	Report on post repair trial; particular reference to turbines, pumps, etc. Fleet Commenader states excessive fore and aft movement of rotors shows weakness of thrust arrangement. Fwd Dept--3/17

N.S.E. Form 134.

543-8: CUSHING: MACHINERY PLANT.

Number.	Date.	From or To—	Subject.	
219136	3-21	JAG	Report of board investigation on condition main engines and machy plant in general.	543-9
216081	3-28	To NY	Telephone to New York re fire brick also blowers and turbines for CUSHING.	258-10
223137	4-10	CO	Report of new CO.Y Fwd NY—for comment and rec.4/19 RB 4-30	
228384	5/9	CO	Report of post repair trial D	
250292	9/1	CO	Repairs to forced draft blowers,valves, evaporators,boilers, etc.Y	
250289	9/1	CO	Alterations forced draft blowers-boilers installed-cut out valves.Y	
257348	10/2	CO	Overhaul pumps, gages, evaporators, wiring L	

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CUSHING: MACHINERY PLANT: GENERAL. 1915

Number.	Date.	From or To—	Subject.
166760	9/25	FR	Pocket booklet plans; reqt shipping inst. N To--Instructions. 10/2 FR fwds booklet 10-6
168570	10-16	FR To CO--Fwds book. 2/16	Completed plans of machy; reqt shipping instructions. DCN To FR via S&A--shipping instrns 10/20 FR no index books recd 2/9 To--Have fwd ship book. 2/16
168571	10-16	FR	Finished plans; contractors reqt that they be exempted from requirements as to index numbers on standard tracings. DC TO -- disapproves 10-19
171149	11-11	FR	Finished plans: est dec cost due to omission of loose leaf binders. N To-- Change apprvd: 11/15 To Gen Insp--11/15
172572	11-29	Bd on Changes, FR	Omission of loose lead binders for the finished plans: Dec cost. N
173616	12-11	To FR.	Finished tracings; reqt additional ; omitted for set recently fwd. D FR fwds finished tracings 12/20 To Yards-- Fwds add prints. 1/6
183217	3-28	Dept Dept	Change from Bost to Norf not effective until after present repairs are completed. Y
183685	3/3	CO	List of 27 items covering alterations, engineering work. Y

N.S.E. Form 134.

CUSHING: MACHY PLANT. 543-8

Number.	Date.	From or To—	Subject.	
187690	4-14	Dept	Military inspection; fwds report.Y Retd Via Ord--Noted. 5/15	
188135	5-16-17	Bost	Request date of completion be set as June w to give chance to complete work on thrust bearings.Y	
188259	5-17	Dept	Repair limit extended to June 3.Y	
188697	5-22 5-22	Bost R Copy Dept	Can complete June 14. Y Date set for completion June 15	
190503	6-10	Dept	Repair limit extended to June 17.Y	
191235	6-19	Dept	Repaie limit June 24. Y	
199307	9-14	Operations	Available Boston for repairs necessary to fit for trials.YN	
207423	8/29 10/2	CO Flt	Relocate fireroom annunciators, change location smoke indicators and install connection between distiller and fire main.Y Fwd Dept--Rec disappvl. 10/17	

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CUSHING: MACHY PLANT.

1913

Number.	Date.	From or To—		Subject.
89875	2-7	FR	374	Blkgd stuffing box for line shaft; fwds b/p.N
91342	2/27	C&R	29232-E.1	Midship sections; fwds prints.N To---plan satisfactory.3/20.
94978	4-5	C&R	29334-E.4	Stern frames, struts, and after framing;b/p:N C&R 5/5.Reqst action.N Fwd C&R satis. 5/5
98366	5-28	C&R	29533-E.1	Stringers, longitudinal,etc. Fwds b/p/ D Ret---plan satisfactory.6/6.
99579	6-14	C&R	29273-E.2	Compartment and access plans;fwds.D To FR.fwds prints for comment.7/1. C&R reqt. action 8-1 To---plans satisfactory; comments.8/2.
102273	7-27	FR	2238	Compartment and access plans; fwds and invites attention to removable plates over fire rooms.D
106511	9-25	Hart	7859	~~Print~~ Bronze from Coe Brass shipped without inspc.S
110999	11-21	C&R		Outboard fittings; print.D To---satisfactory as mod.12/6 To FR.Fwds copy.12/6
113398	12/22	FR	4060	Requests approval of standard drawings covering flanges for pipes, radiator valves, gate valves, etc.D To---appd.12/27.

N.S.E. Form 134.

CUSHING: MACHY PLANT. 543---8

Number.	Date.	From or To—	Subject.	
128368	6/24	Bd on Chgs VOID	Change in lighting chief petty officer's quarters; est inc cost.N	
131075	7-27	FR 2424	Booklet plans; fwds print of proposed covers for approval. D To---will be arrgt as called for in spcfns.8/11.	
		1915		
143792	1-5	FR	Reqt index books for finished drawings. Y To - Fwds. 1/13	
145869	1-28	FR 330	Finished plans; reqt authority to exceed 72" in length for certain. D To-- Appvs with comment. 2/4	
150859	3-26	FR	Finished plans; asks if Bu will accept tracings and white cloth vandykes. D To-- Yes. 4/1	
151409	4/2	FR	Standard file stamp for finished tracings; contractors reqt that drawings be accepted as made	634
164485	8-27	FR	Drawings for machy; fwds sample of paper and and cloth proposed.DC To--Instructions. 8/31	
165700	9-10	FR	Fwds samples vandykes on cloth and paper; in connection with finished drawings. DC To--Samples satis.9/20	

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[OVER.]

Number.	Date.	From or To—	Subject.	
436527	7/31	NY	Recommends balancing of starboard turbine be authorized. submits report of post repairs trial. Y.	543-8
457620	11/12	NY	Reqst prints for use in identifying machined blading for engines - D To S.O. Ny- Fwds prints. 11-14	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

N.S.E. Form 134.

CUSHING: MAIN ENGINES. 543-9

Number.	Date.	From or To—	Subject.
220351	3-24	CO	Stbd turbine casing and rotor; reports result examination on lifting casing. Y
220618	3/31	NY	Thrusts; states alteration in accordance with FR's plan not suitable. D&Y To--(T) Instrns. 4/3 To--Instrns. 4/24
220287	3-29	Telephone NY	Thrust (3 messages) T
224744	4/24	NY	Reports error in finished plans of blading D To Yards CO--Fwds replacing plan. 5/11
225928	5/2	Fore River T	Blading material shipped today - anticipating date one month Y Fwd FR--5/5 RB 5-21
227588	5/10	Phone NY	Bu asked status of spare blading for. Y
227771	5/10	Phone NY	Blading material will be sent to Phila for shipt via DIXIE. Y Phone NY--Re cutting turbine blading to lengths. 5/10
	5/1	Phone FR	Re status of turbine material for. Y Phone NY--5/1

NB—0120

[OVER.]

1917

CUSHING: MAIN ENGINES

Number.	Date.	From or To—	Subject.	
217846	3/13	To Hartford T	Wire Bu date blading for shipt or expected to be shipt. S Hart turbine material; part now ready, part March 17th, part 24th, all complete Apr 1st (T) 3/15 Hart part turbine material released yesterday; all other ~~telegram~~ data in telegram of 15th 3/16 Amer Brass Co (T) CUSHING, DOWNES, shipping part today, more ready for inspection 19th; expect to complete, ready for inspection by the 24th 3/16 To Hartford--(T)Ask date blading for will be shipt. 3/15 To Amer Brass Co--Acknowledges letter with thanks, re shipt of material for turbines.3/17	
		To Amer Brass Co--Reqt every effort be exerted to expedite.3/20 FR (T) request shipping instructions for turbine material now ready 3/22 To Hart--(T) Directs expedite blading material ready for shipt. 3/28		
218399	none	Lt. Shafroth	& DOWNES; quotes telephone message to the Amer Brass Co, re expediting delivery.S	
218674	2-28 3-19	CO Dept	Reports on unsatisfactory design of main thrust and float of rotors of main turbines; fwds sketches,etc.Y	
219136	3-21	JAG	Report of board investigation on condition main engines and machy plant in general.Y Fwd Dept--Noted. 3/26 Navgn- fwds Norf comments on report of Board of investigation 5/1 Chief	
	Fwd Dept--5/14			
219925	3/26	FR	Stays on turbine thrusts; fwds prints	516-9
216008	3/26	To NY T	Ihstrns re thrust rods on.	793-1

N.S.E. Form 134.

CUSHING: MAIN ENGINES. 543-9

Number.	Date.	From or To—	Subject.
214151	2-17	FR	Have directsed Company to furnish certain turbine blading material; delivery to be expedited. DY
	NY (T) requisition number 1353 correct; all copies forwarded with Supply Officer's report 3/27		FR order for blading sublet by the FR Co to Amer Brass Co 2/19 To NY directs prepare requisition for blading material 2/20 T S&A reqt place order for blading material with FR Co in advance of requisition 2/20RB2/28 NY copy of letter from FR Co stating will require from 4 to 6 weeks to get out blading order; endeavor to expedite 2/26 Fwd S&A--2/28 To NY--(T)Reqt correct number of reqn. 3/22
216204	2-26 2-27	FR S&A	Turbine blading; fwds copy of corres; blading for entire astern turbine already ordered; asks if message called for complete reblading is intended to duplicate ~~ate~~ astern turbine. Fwd S&A--3/1 RB 3-20
217378	2-25	CO	Reports on condition of turbine on lifting turbine casing.Y Fwd NY--3/9 RB 3-14
217437	3-10	NY T	Turbine material; recommends material being purchased from FR Co. be cut to suit either right or left hand turbines.D To--(T)Instrns.3/10
217430	2-26 3-9	CO Dept	Reports on condition of turbines on lifting casings; Dept directs turbine work be undertaken at home yard when vessel reports in few days.DY Fwd Dept--3/29
217600	2-3	CO	Submts report on damageto blading port main engine.Y

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[OVER.]

CUSHING: MAIN ENGINES. 1916

Number.	Date.	From or To—		Subject.
191452	6-21	Bost		Post repair trial developes no defects in main engine. Y
191526	6-21	FR		Stbd turbine; contractors propose to take off 1/16" from face bearing brasses to give necessary clearances; Fwds print. N To Via CO-- Appvs. 6/23
209115	12-18	Norf		Turbine shaft and reduction gear; alignment of. Y Original via Dept 20th Fwd Dept--Noted. 12/22
211876	1-17	Fleet	R Copy	Stbd engine serious condition; proceeding guantanamo for examination. D O.K. ~~Atl Flt (R) reports on trouble with turbines 2/3~~ Referred to NN in error, believing ship to be PENNA 2/6 Fwd Dept 2/7 RB 2-9 NN (T) Contractors direct no key be fitted between bar support and sole plate; desire to send representative to investigate trouble 2/8 To NN--(T) Mistake. No troubles on PENNA. 2/8 To Dept--Bu rec that contrs be given location of PENNA so can send representative aboard. 2/8
214683	2-17	At Fleet	R	Port engine satis; stbd rubbing; now lifting casing. Y Atl Flt (R) copy--stbd stern turbine badly damaged, due to insufficient expansion 2/16 To NY--Ask if FR Co can furnish material to repair damage. 2/16 To NY--Instrns. 3/9

N.S.E. Form 134.

CUSHING: MAIN ENGINS. 543-9 1916

Number.	Date.	From or To—	Subject.	
175935	1-8	FR	Unsatis condition of thrust; contractors take exception to Bureau charge of dilatory methods. DC	
175870	1/7	Bd I&S	Directs arrgt be made to examine marine turbines after official trials at Key West Yd	543-2
180097	2-23	FR	Bearing support for 63" main turbine; fwds plan. To--Appvs subject to operation. 3/3	
180647	3/2	Bost	DUNCAN; spare turbine blades; lists those originally furnished which could be used in the turbines of the CUSHING	516-9
185605	4-19	CO	Repoots on condition of turbine on lifting of casings. Y	
183973	4/26	CO	Pinions of reduction gear; reports on	543-2
187039	5-4	Bost	Submits estimate for fitting after bearings cruising turbines with sight glasses and thermometers.N To--Apppvs. 5/10	
188337	5-16 5-17	FR CO	Thrust bearing supports; fwds print showing change from original design; CO reports no further weakness shown.N To FR-- Appvs acceptance. 5/20	

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[OVER.]

CUSHING: MAIN ENGINES. 1915

Number.	Date.	From or To—	Subject.
170910	11-10	CO	Reports poor condition thrust blocks. NY Fwd FR-- For comment. 11/13 RB 11/26 To FR--Take up with contr's. 11/27
172361	11-27	FR	Spare pinions for reduction gear. N To--Auth acceptance of with certain modifications. 12/3
172564	11-2o	Bd on Changes, FR	Furnishing and installing spare bearings for reduction gear. Inc Cost. N
172566	11-29	ditto	Furnishing spare pinions for reduction gear. Inc cost. N To FR- Bill not received. 11-1
174968	12-27	FR	Contractors reqt that extra working reduction gear pinions be not ordered until end of 6 months guarantee to determine wear of present ones. N To--Appvs. 12/30
175109	12-29	FR	Forced lubrication system; fwds print showing arrgt piping for additional oil cooler. DC To--Appvs installation. 1/10 To Bost--Have appvd. 1/10
175193	12-30	~~Pug.Sd~~ FR	Reqt that decision on unsatis condition of thrust be held up pending ~~eff~~ final trial. DC To--Instructions. 1/4

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N.S.E. Form 134.

CUSHING: MAIN ENGINES. 543-9

Number.	Date.	From or To—	Subject.	
160177	7-10	FR	Reqt turbine repairs be postponed until after trials and test	543-2
161768	7/27	FR	Spare bushings for reduction gear; est ing cost.DC To-- Change appvd. 8/2 To Gen Insp-- 8/2 Fwd C&R 21-14 form 135	
163171	8-10	FR	Spare pinions for reduction gear; inc cost.DC TO -- & Genl Inspr 8-13 Fwd C&R form 135 12-14	
163172	8-10	FR	Spare bearings for reduction gear; inc cost.DC	
163237	8-9	National Carbon Co	Mfg two more than required; reqt Bu order for use as spares. DC TO -- cannot use 8-18	
163441	8-12	FR	Oil clutch pump; states clutch operated satis with oil from lub pumps; DC TO -- as develipment 8-18	
163463	8-13	FR 3078	Cruising turbine; bearings now satis with exception of lower half stbd. DC	
163562	8-13	FR	Complains of leakage walt water into lub oil system.DC	
164806	8-31	FR	Reduction gear; spare pinions; states were furnished as change and should not be included in reservation.N 2	
170495	11/6	FR	Reduction gear pinions to replace present installation in case of trouble in service; replace pinions show poor workmanship.N To--Directs rejection 11/9	

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CUSHING: MAIN ENGINES.

1915

Number.	Date.	From or To—		Subject.	
154475	5-7	FR	7497	Fwds prints pump for lubricating clutch;DC To-- Appvs. 5/11	
156347	5-29	FR	2075	Reducton gear; contractors claim additional bearings will be supplied only at inc cost.DC To--Directs two be furnished; inc cost involved. 6/3	
156933	6-5	FR		Drain from main berings; cannot be fitted	543-2
157291	6-10	FR		Cruising turbine thrust burned out on endurance run	543-2
157464	6-10	FR	2211	Thrust for cruising turbine; submits proposed redesign to provide more surface in water jacketing upper half. DC Fwd Bd I&S-- Comments on.6/14 RB 6/21	
157808	6-12	FR	2255	Thrust bearing; cruising turbine; plan. DC To-- Appvs. 6/18	
157807	6-12	FR	2254	Cruising turbine; fwds plan.DC To-- Appvs. 6/18	
159451	6-30	FR	2488	Reduction gear pinion; relative to pitting of. DC To--Appvs dontr's reqt to supply new pinion for reduction gear. 7/6	
159833	7/6	FR		Fwds contractors comments and Inspectors report on condition of stbd main turbine, and uncompleted trial; vessel cannot be ready for continuance of trial on the 9th	543-2

N.S.E. Form 134.

CUSHING: MAIN ENGINES. 543-9

Number.	Date.	From or To—		Subject.	
148046	2-19	FR	649	Clearance indicators for turbines; plan.D To-- Appvs. 3/6	
149064	3-5	FR	789	Port turbine clearances; fwds plans.D	
150204	3-20	FR		Port turbine clearances; fwds print. DC	
150309	3-20	FR	1013	Arrgt details oiling for thrust horse shoe.DC To-- Appvs. 3/26	
150806	3-27	FR	1097	Disconnectiong clutch; lubrication; pump for; fwds plan.DC To-- Disappvs;install as originally proposed. 3/31	
150895	3-27	FR	1099	Clutch for reduction gear; fwds plan.DC Fwd Cramps--For opinion on change. 4/2 RB 4/9 To-- Appvs. 4/12	
151078	3-30	FR	1126	Stbd main turbine clearances; fwds.D.C	
151203	3-31	FR	1140	Stbd cruising turbine; states blades were not silver soldered.DC To--Appvs without blades being silver soldered. 4/5	
153296	4-23	FR	1487	Fwds print of fwd main and thrust bearing. DC To--Appvs. 4/28	
153382	4-26	FR	1536	Ratchet for turning gear;DC To--Appvs manuf of. 4/28 ToBost-- 4/28	

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1914

CUSHING: MAIN ENGINES.

Number.	Date.	From or To—		Subject.	
140356	11-20	FR	3697	Fwds print showing defective machining ahead drum stbd turbine.D To-- Appvs. 11/30	
140740	11-25	FR		Turbine nozzle blading; reports rejection of certain parts of material being sort. D.	
141101	12/2	FR		Yard Test of cruising turbine; fwds sheets.D	
141610	12-7	FR	3873	Turbine nozzle blading; appealing against action of Inspector for condemning.D To--Appvs acceptance of. 12/14	
141741	12-4	FR	3822	Drum rim and nuckets; revised plan. D To-- Appvs with modi. 12/17	
142559	12-19	FR		Fwds result of test turbine nozzles blading.D	
143071	12-22	FR	4032	Stanchions for turning gear brackets; plan.D To-- Appvs. 1/6	
			1915		
146151	2-1	FR	350	Turbine blading; contractors unable to prevent blading from bending in riveting shrouding. D. To-- Comments. 2/4	
147271	2-12	FR	558	Turbine blading; contractors claim that blading will operate satis; admit not straight.D To--Appvs prelim acceptance. 2/18 To Bd I&S--Fwds copy above corres.5/17	

CUSHING: MAIN ENGINES. 1914

Number.	Date.	From or To—		Subject.	
125858	5/23	FR	1769	Oil cooler, connections for; fwds plan.D FR 6/9 reqst action.D FR 6/25.reqst action.D FR reqt action 7-13 FR reqt action 7-28 FR reqt action 8-13 To---actionbeing withheld.8/18 To-- Appvd 8/22	
126510q	6/3	FR	1842	Turbines; drum rims, nozzle holders, buckets, etc - 34 to 41 stages; fwds plans.D To---appd.6/12.	
127646	6/14	FR	1974	Curtis turbine; fwds prints of 1st state wheel ahead.D To---appd.6/22.	
127723	6/15	FR	1973	Intermediate buckets and hose for 1st stage ahead and 1st stage reverse; fwds plans.D To - appvd. 6-23	
128334	6/23	FR	2048	Fwds print showing standard dimensions of rootings, bands, tenons, channels for buckets and nozzles of main turbine.D To---appd.7/6.	
126364	6/24	Bd on Chgs		Lubricating oil settling tank; est inc cost.N To FR appd.6/26. Fwd C&R.7/22/	
128600	6-26	FR	2107	Blading, Curtis turbine; plan.D To---appd.7/8.	
130739	7/24	Conti, A.	T	DUNCAN: cause of break down not definitely ascertained; making careful inspection; suggests substituting drums of CUSHING in order to keep ship in service while new drums are being built	516-9

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CUSHING: MAIN ENGINES. 543-9

Number.	Date.	From or To—		Subject.
132816	8-22	FR	2759	Turbine casing; fwds measurements; reqt slight deficiencies be waived; pressure test satis.DS To-- Appvd. 9/1
133948	9-3	FR	2874	Turbine blading; plans.D. To-- Disappvd. 9/26 To-- Instructions. 10/10
132870	9-24	FR	1542-14	Drum spider, foward end, fwd plans. To-- Appvd. 9/24
136980	10-12	FR	3281	Turbine blading; Inspector recommends against channel method of installing.D
137052	10-14	FR	3290	Reqt reconsideration of decision on blading.D To-- Appvs with comment, 10/17
137585	10-17	FR	3332	Curtis turbine casing; fwds print showing addition of by-pass governor.D To-- Appvs, 10/31
137586	10-17	FR		Turbine casing; modified print.D To-- Gives corrections - 10/31
138996	11-6	FR	3536	Turbines; reqt authority to paint with Apexior paint. D To-- Appvs. 11/14
139234	11-9	FR	3551	Reports on yard test of crusing turbine. D

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CUSHING: MAIN ENGINES. 543-9

Number.	Date.	From or To—		Subject.	
119222	3-3	FR	713	Rielly multi coil oil coolers; plan.D To---appd as mod.3/16.	
119938	3-12	FR	835	Engine room; floor plates; ladders,gratings,. print. D To---appd.3/28.	
120743	3-24	FR	9747	Estimated increased cost for lub oil settling tank. D To---appd.--To Gen Inspr.3/30.	
121093	3-28	FR	1033	Relief valves for turbine stuffing boxes;b/p.D To---one print missing; reqst.4/4. FR reqt action 4-27 To---fwds copy of latter of Apr.4th, 4/30. FR constitute full set 5-2 To---appd.5/5.	
121369	3-30	FR	164	Fwds modified prints of drains for. D To---appd.4/10.	
122129	4-9	FR	1224	Horse shoe thrust rods for curtis turbines; print.D TO -- not appvd 4-21	
122225	4-10	FR		Throttle valve; reqt waiver excess lead.s To---acceptance reluctantly authorized. 4/16. FR.4/23 Corrects pounds pressure.S	
124845	5/11	FR	1611	Special relief valve 2-1/2". Fwds prints.D To---appd.6/5.	
125142	5/16	FR	1683	Turbine casings, port main; fwds prints.D To---appd.6/2.	

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CUSHING: MAIN ENGINES.

1913

Number.	Date.	From or To—		Subject.
111624	11-29	FR	3766	Cruising turbine; fwds print showing steam drains for stuffing boxes. (Damaged) To---appd.12/9 FR fwds additional print 12-12
111622	11-26	FR	3767	Bearings for Curtis cruising turbine; print.D (Damaged) To---appd.12/6 FR fwds additional prints 12-12
113612	12-23	FR	4022	Oiling gear for engine; print.D To---appd as mod.1/6. To---appd.1/15
113613	12-20	FR	4048	Fwds revised print of first stage wheel.D
113791	12-26	FR	4103	Lub oil settling tank; print.D To---appd.1/12.

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116605	1-31	FR	396	Oil drain tank for lub. system; fwds plan.D To---appd as mod.2/7
118709	2-26	FR	660	Main turbine; all work on blading held up; are considering replading turbines throughout.D
118993	3-2	FR		Oiling gear; installation of drain tank will allow forced lubrication on line shaft bearings.D To---ring oiler spring bearings will be installed.3/19.

N.S.E. Form 134.

CUSHING: MAIN ENGINES. 543---9

Number.	Date.	From or To—		Subject.	
107753	10/11	FR	3134	Arrgt of oil cooler, settling tank, and drain tanks; fwds print.D To---appd; request est of inc cost.11/5	
110257	11-12	Bd on Changes, FR		Spare parts for turbine engine; carbon packing; inc cost.N Fwd Dept rec appr.11/15 RB "CO appd To FR.appd.11/20.	
110536	11-14	FR	3556	Reduction gear for cruising turbine; fwds list of.D Fwd C&R.12/22.	
110541	11-15	FR	3571	Rielly multi coil oil cooler; print.N To---appd for type only.11/18	
110938	11-20	FR	3621	Reducing gear for cruising turbines; contrs comment on reqt for modification; submits print.D To---comments.11/26	
110998	11/19	FR		Duplex suction strainer for lub. oil pump;	543--15
111405	11-25	FR	3703	Main air pumps; fwds print and index list.D	
111505	11-26	FR	3741	Curtis turbine; fwds print.D To---appd as mod.12/6	

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CUSHING: MAIN ENGINES: 1913

Number.	Date.	From or To—		Subject.	
106840	9-29	FR	2982	Cruising turbine; fwds print of steam chest covers,etc.D. To---appd.10/14	
106838	9-29	FR	2983	63" turbine; lagging for; b/p.D To---appd.10/9	
106860	9-29	FR	2987	63" tubine; fittings for drain, stuffing boxes, casings,etc.D To---appd.10/7 To---recalls approval; requirements.12/22.	
106848	9-29	FR		Cruising turbine; lagging for; b/p.D To---appd as mod.10/9	
106839	9-29	FR	2985	Cruising turbine; oil inlet for dis-connecting clutch; b/p.D To---appd.10/14	
107187	10-2	FR	3030	Details of gratings and hand rails in engine room. D To---appd.10/25	
107622	10-9	FR	312	Astern throttle valve and clutch operating gear; print. D To -- appvd 11-6	
107624	10-9	FR	2133	Ahead throttle valve and handling gear;b/p.D To---appd.10/24	
108707	10-23	FR	3246	Submits estimated inc.cost due to spare carbon packings for turbine.D To---appd.--To Gen Inspr.10/28.	
109437	11/4	Conti, A		Re necessity to made changes to	637

CUSHING: MAIN ENGINES. 1913

Number.	Date.	From or To—		Subject.	
101309	7-15	FR	2143	Cruising turbines; fwds print of stuffing boxes, steam chest cover, etc. D To---appd as mod. 7/28.	
101937	7-17	FR	2171	Reduction gear; plan. D To---design not suitable. 8/5	
101939	7-17	FR	2174	Main and cruising turbines; casings for; print. D To---appd as mod. 7/25.	
102108	7-21;	FR	2232	Steam chest cover; and strainer for turbine; fwds print. D To---appd. 8/5.	
102271	7-23	FR	2241	Back casing for upper half turbine; b/p. D To---appd as mod. 8/5.	
102408	7-26	FR	2310	Lub oil tanks; brass oil pans for; print. D To---appd. 8/5	
102750	7-30	FR	2357	Cruising turbine; fwds b/p. D To---appd as mod. 8/6.	
102206	7/22	FR	2240-Q	First stage Nozzle, fwds print. D To-Appd 8/4	
103595	8-12	FR	2513	Steam chest for back head; bp. D To---appd as mod. 8/15.	
104147	8-20	FR	2585	Friction clutch; print. D To---appd. 8/25	

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CUSHING: MAIN ENGINES: 543-9

Number.	Date.	From or To—		Subject.
104182	8-21	FR	2596	Recommends disapproval of air cooler for lub. oil.D. To---directs independent oil coolers be installed.8/26
104384	8-23	FR	2617	Basket strainers for back head main turbine; print.D To-- appd 8/29
104762	8-27	FR	2676	Cruising turbine; exhaust connection;b/p.D FR reqt. action 9-12 TO -- appvd as mod 9-12
104761	8-28	FR		Cruising turbine; shaft and distance piece; print.D Reqt. action 9-12 TO -- appvd 9-12
105838	9-13	FR	2835	~~Fwds~~ Fwd main and thrust bearing for 30" turbine.D. Print. To---requirements.10/4
105638	9-12	FR	2832	Handling gear for turbine;b/p.D TO -- appvd 9-30
106479	9-24	FR	2938	Arrgt reduction gear and clutch for cruising turbine; b/p. D. To---appd.10/14
106646	9-26	FR	2980	Reduction gear; cruising turbine; re-submits print.D To---appd as mod.10/14 To--Submit estimates for. 6/18/15

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CUSHING: MAIN ENGINES. 1913

Number.	Date.	From or To—		Subject.
98510	5/28	FR	1673	Engine rooms; fwds prints showing arrangement of machinery.D To---appd.6/10.
98685	6-2	FR	1722	Nozzles and holders 5th to 17th stages;b/pD To---appd.6/9.
98687	6-2	FR	1721	Back casing lower galf; b/p.D To---appd as mod.6/9.
98688	6-2	FR	1720	Nozzles and holders; b/p.D To---appd.6/9.
98857	6-4	C&R	29212)E.3	Engine foundations; fwds plans.D To FR.plan satisfactory.6/18. Ret---6/18.
99314	6-10	FR	1800	Lub. drain and cooling tanks; b/p.D. To---appd as mod.6/26.
99315	6-10	FR	1799	Turbines; nozzles and buckets, prints.D To---appd.6/26.
99494	6-13	FR	1832	Turbine casing; manhole and handhole covers; b/p.D To---appd.6/26.
99682	6-16	FR	1857	Fwds print showing dimensions of buckets for 30" turbines.D To---appd.6/21.
99932	6-19	FR	1870	Fwds print to be attached to order for turbine parts.S

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CUSHING: MAIN ENGINES: 543-9

Number.	Date.	From or To—		Subject.	
100100	6-21	FR	1896	Turbine lifting gear; details;b/p.D To---appd.7/3.	
100105	6-21	FR	1897	Arrangement blading; b/p.D To---appd.7/3.	
100099	6-19	FR	1865	Fwds genl arr. plans 63" turbine.D. To---appd.7/18	
100095	6-21	FR	1898	Worm bracket for turning gear;b/p.D To---appd.7/3.	
99313	6/10	FR	1801	Turbine casings; fwds prints.D To---appd.6/26.	
100421 2	6-24	FR		Stuffing boxes for front and back header,turbine; prints.D To---appd.7/18	
100546	6-26	FR	1963	Arr. reversing stages; print.D. To---appd.7/18	
101183	7-8	FR	2073	Arr. of lifting gear; b/p.D To---appd.7/18	
101184	7-8	FR	2069	Tanks in engine room for lub oil and waste,print.D To---appd.7/18	
101292	7-10	C&R	29637-E.1	Engine hatch; b/p.D To---appd.7/18	
101670	7-15	FR	2148	Turbines;recommends 6 sets of carbon packing be allowed for each box. D. To---requirements.7/23.	

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[OVER.]

CUSHING: MAIN ENGINES.

Number.	Date.	From or To—		Subject.
94684	4-9	FR	1042	Main turbine horseshoe stuffing bos; b/p.N. To--appd.4/23
94681	4-9	FR	1050	Main thrust bearing; b/p. To--appd.4/23
95141	4/14	FR	1103	Intermediate segments and holders; fwds prints with comments.N TO -- appvd.as mod. 4-24
95142	4/15	FR	1131	Bucket diagram for Curtis turbine; fwds print.N To--appd.4/23
95145	4/14	FR	1104	Turbine wheels; fwds prints with comments.N TO -- appvd.ad mod. 4-24
95233	4/16	FR	1153	Cruising turbine; fwds prints of 2d to 7th stage nozzles.N To---appd.4/28.
95958	4-24	FR	1245	Casing for turbine; b/p.N To---appd.5/9.
96245	4/30	FR	1313	Blading material; fwds letter from contractors requesting authority to change composition of.N To---appd.5/3.
96356	5/1	FR	1331	Arrangement of turbine and reduction gear foundation; fwds prints.N To---appd as mod.5/16.

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CUSHING: MAIN ENGINES. 543---9

Number.	Date.	From or To—		Subject.
96673	5/5	FR	1377	Intermediate casing of turbine; fwds print.D To---appd.5/15.
96764	5/6	FR	1388	Bucket diagram for auxiliary turbine; fwds print.D To---appd.5/15.
96760	5/6	FR	1387	Bucket diagrams for turbines; fwds prints.D To---appd.5/15.
96907	5/7	FR	1404	Front steam chests of main turbine; fwds print.D To---appd.5/15.
97070	5-9	FR	1419	Turbine drum 2nd to 10th reverse stages; b/p.D To---appd.5/26.
97249	5-12	FR	1461	Bucket diagram; b/p.D. To---appd.5/16.
97239	5-12	FR	1459	Reverse nozzles and holders 10th stage;b/p.D To---appd.5/16.
97343	5-13	FR	1473	Intermediate segments, 1st to 7th stage; b/p. D. To---appd.5/28.
97342	5-14	FR	1469	1st stage reverse wheel; b/p.D To---appd.5/26.
98373	5-27	FR	1661	Main turbines; 2nd stage; details of drum rings and buckets; b/p.D. To---appd.6/5.
97340	5/13	FR	1472	Details of drum rim and buckets, reverse stages; b/p. D To---appd.5/29.

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[over]

CUSHING: MAIN ENGINES: 1913

Number.	Date.	From or To—		Subject.	
89872	2-7	FR	375	Fwds print of 2nd and 3rd stage wheels for Curtis turbines.N To---appd.3/20.	
89874	2-7	FR	376	Turbine shaft & coupling for 42nd stage;b/p.N To---appd.3/21.	
90170	2-11	FR	413	Curtis turbines; fwds prints of drums;.N To---appd.3/20.	
90253	2-11	FR	425	Bucket diagram ahead and reverse stages;b/p.N To---appd.3/20.	
89792	2/17	To C&R		Changes in Turbine casings involving inc. of penalty weight.	543--1
90968	2-20	FR	525	Turbine nozzles; 3rd stage; b/p.N To---appd.3/20.	
91130	2/24	FR	558	2d and 4th stage nozzles; fwds prints.N To---appd.3/20.	
91655	3/5	To Pitts.		Reduction gears; factory inspection waived.3	
92882	3-18	FR	790	Thrust horse shoe for Curtis turbines;reqt. approval of plans similar to that for DUNCAN.N To---print should be submitted.3/21.	
89875	2/7	FR	374	Bulkhead stuffing box for line shaft; fwds plans. To---appd.3/20.	

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CUSHING: MAIN ENGINES: 543-9

Number.	Date.	From or To—		Subject.
93153	3-22	FR	831	Reqt. approval of plans for ahead nozzle 1st stage approved for DUNCAN. N TO --appvd.3-21 Practice of reqtng approval by plan numbers mot appvd.3-25
93487	3/25	FR	886	Fwds prints of 2d, 3d and 4th stage diaphragms.N To-- appd 4/16
93486	3/25	FR	885	Fwds prints showing bushings and distance pieces on turbines.N To-- appd 4/16
93759	3-28	FR	915	Turbines;turning gear;fwds print.N To--appd 4/16
93761	3-28	FR	910	Turbines;fwds print of covers for main and thrust bearing.N. To--appd 4/16
94036	4-1	FR	951	Turbines thrust horseshoefor; b/p.N To--appd.4/23
94029	4-1	FR	952	1st stage ahead nozzle; main turbines; b/p.N To--appd. 4/23
94200	4-3	FR	991	Turbine casings; b/p.N TO -- apvd. as mod.4-24
94680	4-9	FR	1051	Main turbines; fwds and after main bearings; fwds b/p. N To--appd.4/23
94686	4-9	FR	1054	Bearing supports for front and back heads, main turbines; b/p. N To--appd.4/23

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CUSHING: BOILERS: ETC. -1920-

Number.	Date.	From or To—	Subject.
492530	5/8	Norf	Reqst van dykes showing installation of lower drums and tubes - D
496308	5/26	Norf	Reqst print showing drilling of steam and water drum - D To I.M. Norf Fwds Photostat-- Boiler tube layout 6-1
508077	7-28	To IM NY	Reqst cost of blowers which were instld under job order as summary of cost apparently includes instln charges C. NY-report on cost-8;11-C
563716	5;10	Bostoh	Revises estimated date of completion from August 1 to Oct 1.D
477741	7/12	SeeBoard 8	To Boston Auths that work on job order to complete manufacture of boilers Yd 7/12

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

CUSHING: BOILERS: ETC:

Number.	Date.	From or To—	Subject.
349268	9-15	Breast	Copy request amount of coil Be increased from 40 to 100 for purpose of supplying water vessels Y
357680	10/8	Bost	Lists boiler material recd at Yd for - Y
		1919	
385287	1/11	Bost	Confirms telephone conversation requesting status of boilers being manfd for - D
384437	1-13	To Boston	Phone - Status of construction - new boilers To- Bureau - Phone - reqst retubing of boilers recom CUSHING be sent to Boston for work reqst. investigation 1-13
405089	3;20 To- Auth use of elec welding for closing the incorrectly drilled holes in the boiler drums 4-23	Boston	Reports error in drilling holes; fwds prints. showing and gives method of coiling. Req. confirmation D To- Drawings modified in accordance with recommendations. 4-17
407158	3;26 3;31 Fwd C&R. 5-21 RB 6;20	NY C&R	Desirable repairs on stack of submits pencil sketch with record for Y Fwd C&R. 4-17 C&R - 5/17
415760	5-8 Fwd Inspt Hart. 5-10	CO	Reports on defects in Terry Blower Engines as recd from store - D r b 5-15 Fwd CO. 5-16 Fwd I.M. Ny. 5-22 R B 5/31

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543-10:CUSHING: BOILERS:

Number.	Date.	From or To—	Subject.	
235839	11/4	To Comdt Boston	Mfg of boilers for CUSHING discontined	612
475948	2;10	CO	Submits report on condition of water drums on boilers.D To CO-boiler safety valves will be set at 195 lbs pressure-2;26	
477741	2;13 2;20	CO NY	Request authority to reduce pressure of safety valves.YD&M To IM NY- advise result of tests and recs for final instructions 2/27 To Operations. copy to COComdr educed Des Reserve-Boston and I.M. Ny. Recommends vessel be placed out of commmssion until repairs are completed' 3-22	
		To I.M. Ny- Instructions to be issued in near future for work auth. copy to Operations-Boston and CO. 3-22 Phone E.O. Boston-'ard agreed to furnish sketches of boiler drums. 3-24		
	SEE BELOW			
482208	3;16	NY	Fwds section cut from wrapper sheet of No.2 boiler-calls attention to pitting and recommends wrapper sheet of all Yarrow boilers of more than two year service be drilled by examination.Y NY-fwds section of blade taken from port water drum of yarrow boilers installed on with recommendations-3:18 To Phila-Reqts fwds samples of drums from destroyers listed. copy to CO's. 4-24 Phila-5;4-Y&D	
483972	3;24	Boston	Confirms telephone coversation requesting Bureau fwd boiler drawings.Y	
477741	see above		Dept-instructions in connection with placing vessel out of commission due to extensive repairs to boilers-3;30-Y Bost - arrangement of boiler tube lay out for boiler drums - fwds prints with comments - 3/31 - Y To Boston (T) Ask to Fwd cc all corr on file rel constrn new boilers CUSHING 1/29/21 Boston-7;5-Y	
		Boston-fwds copies of corres-2;7 To Boston constrn of boilers authd 2/10/21 Boston-ask when boilers will be ready for installation-3;21-Y Boston-4;7-Y To Boston Plans will be modified as listed 4/20 To Boston Fwds Vandyke 4/29		

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496
Q-10

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CUSHING: BOILERS: ETC.

Number.	Date.	From or To—	Subject.	
304967	1/19	Bost	Confirms telephone conversation in connection with manuf of spare boilers for . Re renewal of condenser tubes on RHODE ISLAND - Y	
Norf-122	5/10	To Philadelphia	Reqts name of manuf. & location Keith fans for USS CUSHING.	629
307516	5-17	Inspr FR T	One water drum backhead condemned on account of bad workmanship - request Norf ship one to replace. Y To S&A-Reqt shipt one steel plate from Norf to Inspr FR. 5-17	
122	5-10	Phila	Reqst name of Manuf and location Keith fans for USS CUSHING	629
309603	5-23	Inspr FR T To F R Rqst information re defective water drum tube sheet and spoiled steam drum front head 6-5 Inspr FR - Request disposition of defective tube sheet. Y 6-13 Inspr FR - describes flow in. D To Inspr FR, Re scrapping of defective water drum 8-29 To Inspr FR, re shipt of boiler plates for Cushing boilers 7-15 To Inspr FR, rqst inform re progress on spare boilers, 8-16	Request immediate shipment from Norf of 1 water drum tube sheet and 1 steam drum front head. Y Phone F R Rqsting information re new water drum tube sheet and steam drum front, 5-24 Phone F R, re new water drum tube sheet and steam drum front head for boilers, 5-25 To S&A, Rqst shipmt steel plates from Norf. to F R, 5-25 Inspr FR 5-24 FR - fwds copy ~~of~~ 7/20 FR - 8/20	

N.S.E. Form 134.

543 - 10 CUSHING: BOILERS: ETC 1918

Number.	Date.	From or To—	Subject.	
323832	no date	Bd I & S	Submits report of board to inquire into condition of boilers on - held June 8th. Y Bd I&S - Submits report of investigation of condition of boilers of. Y 7-1	
325398	7-10	Boston	Confirms telephone conversation stating awaiting receipt of material for boilers for. Y	
327045	7-17	To S&A	Rqst shipmt forced draft blowers from NY to Base #7, D back Dec. 3 To NY, Re shipmt of Forced draft blowers for 8-8 ~~NY - material shipped 8/24 - 9/15~~ To CO, Reqts shipmt of forced draft blowers, 11-25 To CO, Reqts shipmt of forced draft blowers, 11-24	
336790	7-25	CO	Submits report unsatisfactory condition of mud drums of boilers due to pittings - Y	
341368	8/22	Inspr FR	Boiler mat'l for; will use boiler drum wrapper plates now in plant for destroyers 251 Class - D&S To Inspr FR, Procedure satisfactory 9-5 10	
349174	9-17	Phone Norf	Evaporator coils; comments on same Y	

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[OVER.]

CUSHING: BOILERS: ETC:

Number.	Date.	From or To—	Subject.	
268055	12-20	To Mass	Fwds boiler plans. D Inspr FR--12/31	
269180	12/20	Bost	Request copies of boiler code of American Society of Mechanical Engineers - D To Mass-Directs submit reqn for copies of boiler Code of the American Society of M.E.12-26	
226687	1-3	To FR	Main boilers-Plans for.	
288750	3-12	Inspector FR FR -(T)Plates found defective were tube plates - 3/18 - DA Inspr FR - Fwds samples of defective tube sheets. 3-16 D To S&A- Reqt shipt 4 steel plates from Norf to FR. 3-16 Phone Norf. 3-19	Steam drum tube plates received from Norfolk cracked - new plates required. Y FR -T- Recommends new plates, four, be ordered. D 3-16 To(T)-Wire condition remaining two tube plates boilers. Have they been rolled without cracking. 3-15 To(T)-Four tube plates will be shipt from Norf. 3-16	
289860	3/13	Bost	Manuf of boilers - confirms telephone conversation - Y	
~~311368~~	~~8/22~~	~~Inspr FR~~	Boildr matl for, will use boiler drum wrapper plates now in plant for destroyers 251 class D&S To Inspr FR procedure satisfactory 9/16	543-10

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S43 -- 10 CUSHING: BOILERS ETC:

Number.	Date.	From or To—	Subject.	
288750	3-22	SEE OVER	Phone Norf- Yd advised steel plates shipped on March 20th. Y Fwd Naval Academy- fwds samples/ 3-28 RB 4-3. S&A - 11/4 Fwd S&A via C&R. 11-19/19 RB fr Inspr FR-10;6;20-R Fwd S&A. 10-7	
294215	3-29	Inspr FR	Rejused tube sheets - have turned over to contractors to make experiments. D	
301176	4-24	Inspr FR	Rejected drum plates - contractors request authority to use. D. (2 letters) To(T)- Your letter 24th rejected drum plates. Hold plates pending further information from the Bureau. 4-27 To- Rejected plates property of Carnegie Steel Co. 4-30 To- Directs have FR take up with Carnegie Co re compensation for plates. 5-3 FR - recommends Norf purchase three other plates and that FR Co purchase same from Yd - 5/7 - D To S&A- Reqts accept contract price. 5-11 To Fr. 5-11	

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CUSHING: BOILERS: ETC.

1917

Number.	Date.	From or To—	Subject.	
233490	6/9	S&A	Reports that I. P. Roosa has recd from Sheldon Co Canada four cases of blower wheels - asks NY test and ship D	
233319	6/12	To Terry Co	Reqt certain information re Keith fans purchased under reqn 185. D	
			Terry Steam Turbine Co - gives dimensions 6/13D	
235839	6-28	To FR Co.	Ask how soon after delivery of water drums and other material can complete manuf of four steam drums and drill them.	612
235839			Boston - will duplicate plans for CUSHING boiler at yard. (Cross to CUSHING 10)	612
239659	7/3	CO	Evaporator shells and coils - request renewal Y	
			Griscom-Russell Co (T) have wired works 7/23	
			To Griscom Russel Co--(T) Ask cost and time furnish two evaporator shells for. 7/23	
			Co (T) submits price 7/25	
			Griscom-Russel Co - confirms quotation	7/25 D
			To CO--7/28	
1278	10-5	NY	Fans for CUSHING: fwds copy of contract; material delivered June 19th, shipped July 18th.	629

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543 -- 10 ; CUSHING: BOILERS ETC:

Number.	Date.	From or To—	Subject.
260214	11-12	To Boston	New boilers-Fwds plans. D To- New drawing is being prepared and will be fwded as soonss completed. D
264307	12-1	To S&A	Reqt shipt 2 evaporator shells from Ny to MELVILLE CUSHING & DIXIE. D NY 12/19 D To- Inform on vessel shells were shipped/ 4-5 To S&A 4-10 RB 4-15. D
264815	12-3	M Is Copy	States grinding end of reduction gear recd from Falk Co to replace defective gear furnished by G E Co - will commence to-morrow morning. 57789
265115	12-5	To S&A	Reqt shipt 2 forced draft blowers fans. from Norf to .D
265208	1255	To FR T To Boston Mass-Obtain from FR approximate date steam and water drums for these boilers will be ready for delivery Boston and inform on what date you estimate these boilers will be completed. Bost - fwds copies of corres- 12-31 pondence 1/16 - Y	Do not drill tube holes in steam drums new boilers until receipt new plans. from Bureau. 12-5 D To FR Deliveries steam drums CUSHING do not affect FR work. 12-6 To Mass- Directs that no tube holes be drilled until plasn are fwded. 12-6 FR (T) states hole in steam drums to be drilled at NY Yd 12/6 D FR 12-14
266687	12-15 FR - 12/26 D	To Mass	Main boilerd fwd plans/ D To Fr-12-15 fwd plans 12-15 FR - prints not recd - 12/19 D

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CUSHING: BOILERS: ETC. 1915

Number.	Date.	From or To—	Subject.
158677	6/19	FR 2350	Additional distiller; relative to location of and piping for.DC To-- See 145464-545-10. 6/24
159658	7-1	FR	Ball bearings for blower turbines; plan.DC To-- Appvs. 7/9
160553	7-13	FR	Re inability to maintain suffucient air pressure in fire rooms. To--Decided to put fire rooms under pressure as a test for tightness. 7/15 FR explains 7-17
161418	7-21	FR	additional distiller; est inc cost.DC To-- Change auth: 7/29 To Gen Insp--7/29 Fwd C&R form 135 12-14
161516	7/24	FR	Capacity of feed heaters; recommends acceptance of subject to service test.N To--Auth acceptance. 7/31
162118	7/29	FR	Installation of master valves for controlling boilers; est change in cost.DC To Change apprvd. 8/7 To Gen Insp--8/7 Fwd C&R form 135 12-14
162776	8/5	FR	Forced draft blowers; fwds copy of letter to EO relative to possible trouble with.DC -TO -- not replace 8-12
164070	8-21	FR	Reports number of hours boilers have been in operation.DC
167712	10-1	CO	Smoke stack guys; reqt permanent ones be fitted.Y
172565	11-29	Bd on Changes, New Lon	Installation of master valves for controlling blowers. Inc cost. N

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CUSHING: BOILERS. 543-10

Number.	Date.	From or To—	Subject.
172563	11-20	Bd on Changes FR	Installation of additional distiller and piping; inc cost
185393	4-19	CO	Reports on unsatisfactory condition of forced draft fans. Y To--Instructions. 4/22 CO recommendations for improving 4-24
186997	5-2	FR	Forced draft blowers; contractors, and inspectors comments; CO request new blowers; question of responsiblity to be settled later.N Fwd Bost--Examine and report on. 5/10 RB 5/18 To Bost-CO--Instructions. 5/19 CO blowers overspeeded due to request Bd. I&S 5-26 Fwd Dept protests against Bd reqt and action 6-2 RB 6/21 Fwd Dept-- Noted. 6/24
			1917
218055	3/14		Reqt shipt of 4 forced draft blower fans, from Bost to NY for. D
219363	3-15 3-23	CO NY	Perforate baffle plates of filter tank to permit use of Loofa sponges. D To NY--Appvs. 3/26
221686	4-8	NY	Forced draft blower foundations; fwds letter from Terry Co quoting price and time of delivery.Y To--Reqn has been made for fans.4/12
221723	4/9	To CO	Lists work auth on boilers of. D

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CUSHING: MAIN BOILERS.

1914

Number.	Date.	From or To—		Subject.	
118446	2/25	To FR		Trimming tanks; desire be fitted with piping for carrying fresh water for reserve feed purposes. Reqt est. change in cost. D	
125514	5-23	TO NYS		Increase in hieght of smoke stack; submit inc cost. D	
127624	6/15	FR	1983	Fitting trimming tanks for reserve feed water; have canceled order. D	
129710	7-10	FR	2248	Increase height of smoke pipe; inc cost. D To---appd.--To Gen Inspr. 7/15.	
141570	12-7	Nd on Changes, FR		Increase in height of smoke pipes; inc cst N Fwd Dept-- Rec appvl. 12/10 To-- Fwds copy report, appvd. 12/17 FR reqt action 5-6 To-- Fwds copy report. 5/10	

1915

145446	1-23	FR		Distillers; prelim estimate for installing additional. D. Fwd Dept-- Rec appvl. 1/26 To--Have refd to Dept for appvl. 1/26	
	To--Gives location od distiller. 6/12				
145464	1-23	FR	279	Additional distiller; fwds plan. D To-- Appvs. 2/8 To Gen Insp-- 2/8	
145676	1-26	FR	316	Fit trimming tanks for carrying reserve feed water; estimated increased cost. D. To Gen Insp-- 1/30 To-- Change appvd 1/30	

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CUSHING: MAIN BOILERS. 543-10

Number.	Date.	From or To—		Subject.
151431	4-3	FR	1186	Defective boiler tubes; fwds method of milling ends. DC To-- Appvs. 4/7
153176	4-23	FR		Reqt endurance test of boilers be made with 1/2 to 1/4 pressure in excess of working load. N To--Instructions. 4/29
153775	4-29	FR		Boiler tests; recommends test be made with stop valves at 1-1/4 times working pressure. DC To--(T) Test 1-1/4 pressure. 5/1 To--Instructions re test of. 5/3
154409	5-6	FR	1721	Reports on pressure test of boilers; contractors reqt acceptance; slight leaks; recommends acceptance. DC To--Appvs. 5/11
154739	5-10	FR	1769	Test boiler casings; for air tightness. DC To--Reqt enclosure; not rec'd. 5/13 FR agrees to make test after trial trip 5-14 To--Tests will be made after trials. 5/18
155910	5-24	FR	1994	Blowers; spare bushings for bottom bearings; inc cost ~~for~~ if additional are required. DC To--Four required; inc cost not allowed. 6/3
155911	5-24	FR		Change in blower control. DC To--Appvs; submit est for, 6/3
156296	5-28	FR	2045	Additional distiller; inc cost. DC
158498	6-18	Bd on Changes, FR		Installation of add distiller, inc Fwd Dept-- Rec allv/ 6/23 RB 7/3 To FR-- 7/6
158509	6-18	ditto		Fitting trimming tanks for carrying reserve feed water. To FR--6/23

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CUSHING: MAIN BOILERS. 1913

Number.	Date.	From or To—		Subject.
98565	5-31	FR		Feed and filter tank; fwds prints.D. To---appd as mod·6/6.
100102	6-20	FR	1882	Feed and filter tanks; b/p.D To---appd.7/11.
101671	7-15	FR	2144	Standard boiler fittings;reqt. approval of plan for drift pin, expanders,etc.D FR reqt. action. 8-9 To---appd.8/9
102030	7/22	To FR		Addtl spares for evaporators and distillers on purchase order 78237;re inspection at place of manufacture.S Fwd Pitts.7/29. RB 8-1
103600	8-13	FR	2520	Air dampers for Yarrow boilers;reqt. authority to omit air holes. D To---appd.8/19.
105318	9-5	Phila	358	Fire brick; recommends factory inspection be waived due to distance. S TO M.Is Phila inspect at Fore Riber.9-11
105829	9-10	FR	2798	Boiler tube sheets; fwds print showing holes drilled out of place; recommends approval of request to plug same. D To-- appd 9/27
107183	10-2	FR	3033	Lagging of drums on Yarrow boilers;b/p.D To---appd.10/25

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CUSHING: MAIN BOILERS. 543-10

Number.	Date.	From or To—		Subject.	
107189	10-2	FR	3029	Arrgt floor plates in fire rooms.D To---appd.10/25	
107623	10-9	FR		Ladders and gratings in fire rooms; b/p. D To---appd as mod.10/25	
108258	10-17	FR	3186	Omission of zincs in boilers; dec.cost.D To---appd.10/28. To Gen Inspr.10/28.	
109907	11-10	FR	3383	24" turbine blowers; submits plans.D To---appd.11/14 FR reqt action 11-14	
110261	11-12	Bd on Changes, FR		Omission of zincs in boilers; ~~inc~~ dec cost.N To FR appd.11/15 Fwd C&R.12/22.	
110666	11/18	To FR		Evaporators (Reilly); plans received without letter. Request letter.D FR plans sent thru error reqt be sent to Pitts 11-21 To Inspt. Pitts. 11-24	
112578	12-9	FR	3913	Ladders and gratings in fire rooms; b/p.D Fwd C&R.12/17 RB 12 26 To---appd as mod.1/3	
			1914		
118347	2-21	FR	636	Forced draft blowers; offers to change faces from class B to class C plate without extra compensation.D To---appd.2/26.	

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CUSHING: MAIN BOILERS. 1913

Number.	Date.	From or To—		Subject.	
88519	1-23	FR	207	Main boilers; fwds prints.N. FR reqt.action.2-19 FR reqt.action 5-13 To---appd as mod.3/19.	
89559	2-5	FR	348	Smoke pipe, uptakes, and access doors;print.N To---appd.3/20.	
90295	2-14	C&R	29212-E.1	Boiler foundations; asks if ramming chocks desired.N Fwd C&R not nec.2-15	
90776	2-18	FR	575	F-D blowers; fwds copy of order Sturtevant Co varies from Specns. N To---appd.4/2. FR have forwarded order.4-4	
90777	2-19	FR	514	Boiler tubes and spares ; fwds copy of order with National Tube Co. differ from specns.N To---order returned for revision.3/21. FR explains 3-31 To---order appd.4/7.	
90921	2-21	FR	545	Evaporators, distillers, and feed heaters; fwds copy of orders Griscom Russell Co.N. To---appd.3/21. FR 3/24.	
90922	2-21	FR	547	Feed water heaters; fwds copy of orders as Griscom Russell Co. N. To---appd.3/21. FR fwds revised order.4-3 To---Order appd.4/8.	
91852	3/5	FR		6" standard figures for, fwds prints of those proposed for:	612
91850	3/5	FR		Standard tube plugs and drift pins for same, fwds prints.	612--3

N.S.E. Form 134.

CUSHING: MAIN BOILERS: 543-10

Number.	Date.	From or To—		Subject.	
93286	5-22	FR	845	Fwds cross section plans fire rooms.N. To-- appr subject to detail 4/16	
93611	3/27	FR	903	Water gages for main boilers; requests type plan of Dewrance and Wall's type.N To---Fwds prints.4/7.	
95954	4-26	C&R	29212-E.2	Boiler foundations; b/p.N Ret---plan satisfactory.5/10.	
96004	4-26	FR	1271	Evaporators and distillers; N To---appd as mod.5/9. To--Reqt distilling capacity be increased to 3750 gals per 24 hrs. 1/9	
215	4/28	Falk Co.		Herring bone grates, reqt Bu.specfs covering inspn of.	629
96501	5/2	FR	1345	Evaporator feed heater; fwds print.D To--appd 5/12	
96500	5/2	FR	1340	F-D blowers; fwds prints.D To---appd.5/15.	
96758	5/6	FR	1395	Feed water heater; fwds Griscom-Russell's plans.D To-- appd 5/12	
98066	5/23.	FR	1619	Evaporators and distillers; request that specif ications for spare parts be revised.D To---not appd.	

NB—0120

[OVER.]

CUSHING: AUXILIARY MACHINERY.

1915

Number.	Date.	From or To—	Subject.	
145448	1/23	C&R	Assigns motor dory 2216 and sailing launch 2095	611-2
170824	11/10	To CO, Bost, N orf	Motor dory 2216; motor sailing launch 2095; re number plates	611-2
193778	7/17	To CO	Motor sailing launch 2095; asks number of engine installed in	611-2
338571	8/19	To CUSHING	Re differences betw numbers of engines and hulls on board from Bu records	611-2
		1918		
369522	11/18	TO CO CUSHING.	Asks investigation re no tyme and length of boat reported as 4853 and no of eng installed. To C&R--asks whereabouts of power boat hull 4853--11/18	611-2
82745	1/4	C & R	Asks disposition made by CUSHING of motor dory 2216 Y	611-2
389551	1/28	C&R	CUSHING motor sailer 6488 assign motor sailer 2095 to be repaired Y	611-2

N.S.E. Form 1st. 543- 11

CUSHING: AUX. MACHINERY

Number.	Date.	From or To—	Subject.	
387269	1/27	To CO CUSHING	Asks correction of numbers, re eng installed.	611-2
396183	2;17	CO	Req. Balt. wench and equipment for renewed	Y&D
419072	5/19	To CUSHING	Asks examination, motor dory no 4353 instead of 4853 and launch 20 95 instead of 2995 of 2995 engine in hull 4353 is no 7097 none in records 1954-A.	611-2

NB—0120

[OVER.]

CUSHING: CONDENSERS. ~~1912~~ 1913

Number.	Date.	From or To—		Subject.
92629	3-13	FR	728	Aux. Fwds detailed plans.N To---appd.4/7 To---request status of work.11/1
95577	4/21	FR	1199	Main condenser; fwds prints of arrangement and details, with comments.N To--FR- appd 5/12
95829	4/24	FR	1239-1235	Auxiliary condenser tubes and sheets; contractors intend to purchase abroad, and requests information relative to inspection of.N To---quotes Dept's decision re imported material.4/29.
97821	5-20	FR	1576	Aux. condensers; asks if use of Tobin bronze for tube sheets is permissable. D To---appd.5/26.
101523	7-14	FR	2126	Main condenser tube sheets; reqt. authority to furnish material tensile strength 54,000 in lieu of 60,000 pounds.DS To---appd.7/17.
109481	11-3	FR	3361	Auxiliary condenser; reports status of work of.D To---instructions.11/7
110792	11-18	FR	3612	Impossible to increase cooling surface of aux condenser without rebuilding.D. To---will be completed as originally approved.11/22

N.S.E. Form 134.

CUSHING: CONDENSERS. 543-12

1914

Number.	Date.	From or To—	Subject.
120029	3-13	FR	Main condenser; arrgt and details; objects to expanding tubes in nests rather than each tube independently. D To---no change will be made from plans as appd. 3/18
			1915
153423	4-26	FR 1525	Auxiliary condenser; contractors request interpretation of conditions ~~of~~ under which 20" vacuum is to be maintained. DC To--Instructions 4/29 To Bd I&S-- Fwds copy above corres. 5/17
161518	7/24	FR	Auxiliary condenser; fails to meet requirements; recommendations relative to. N To--Instructions. 7/31
161520	7/24	FR	Main condenser; reports on condition of, with recommendations. N To--Auth acceptance of. 7/31
Bost NSA	Reqn 198	10/25 To Bost	Reqt shipt of 12 condensers to. WR
O 430993	7/7	CO	Ask if fresh water supply of condensers should be drained and filled with fresh water, when vessel goes into reserve. Y&D. To CUSHING, instruc rel care of conden while in reserve 7/12 cc to D Divn

NB—0120

[OVER.]

CUSHING: HEAT:VENT:REFRIG.

1913

Number.	Date.	From or To—		Subject.
100098	6-19	FR	1878	Steam heat system; fwds arr.plans.D To---appd.7/18
117487	2-10	C&R	29550-E.3	Ventilator cowls; print.D To---satisfactory.2/13.
				1916
155915	5-24	F R	1993	Fire ventilators; unhandy method of closing DC Fwd C&R--Comments on. 6/8 RB 7/9
207810	11-27 12-7	CO. Norf		Nickle plated steam radiators.Y ~~Fwd Dept--Rec disappvl. 12/13~~ RB 12-16 To Norf--Work disappvd. 12/16
				1917
220620	3-30	C&R		Ventilation; additional blowers radio room nor required. W
219285	4/5	To NY		One of three remaining Clothel (Kroeschell) ice machines will be assigned to. 700-1

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Number.	Date.	From or To—	Subject.	

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[OVER.]

CUSHING: PROPELLERS.

Number.	Date.	From or To—	Subject.	
248097	9/7	FR	Fwds propelling measurements - D	
249699	9/14	FR	Monthly report; particular reference to propellers.	543-2
252530	10-3	To NY	Spare propellers. Reqts inform from whom propeller was received. Y NY - 10/10 Y To S&A- Reqt shipt of one spare propeller for from NY to NY o S&A- Ascertain present status of shipt' 3-26 N¥ - States propeller was shipt on Dec 8th., Y 4-15 S&A 4-19 S&A-Propeller shipped April 12th.Y 4-20	
398165	3-27	To S&A	Reqt shipt of propeller from Hamp to NY.	543-8
33128	5/7	Inspr Milw	Wing propeller shaft forging 2372 for CUSHING class- rqst waiver of defects.	629 S.
398165	5-22	To S. O. NY	Inform if matl recd copy to CO RB 6-14 543- 8	

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1917

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

CUSHING: PROPELLERS:

1916

Number.	Date.	From or To—	Subject.	
182353	3-20	FR	Spare propellersp necessary to make new pair of wheels; original assignment are to be used on TUCKER. DC To--Appvs making spare propellers. 3/23	
188179	5-16	FR	Spare propellers; fwds print showing defective spots; contractors request authority to fill in To--Auth acceptance of. 5/22	
189242	5-16	FR	Prelim trials; SAMPSON; reqt auth to use spare propeller	567-2
191203	6-19	Bost	Dock trial; shows poor adjustment of newthrust bearing; extension time limit to June 24.NY	
193686	7/14	FR	Propeller measurements; fwds.D	
			1917	
219278	3-23	To FR T	Reqt contras expedite plans for stays on thrusts for and DUNCAN. FR contractors are of opinion that plans will not be necessary DUNCAN will duplicate changes being made for CUSHING 3/24.	548-14
220189	3-28	FR	Spare propeller; reports on defects in; print.D To--Rejects.3/31 FR - fwds contractors request for reconsideration of rejection of spare propeller 5/24 D To--Rejects.5/26	

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CUSHING: PROPELLERS. 543 -- 14

Number.	Date.	From or To—	Subject.
221912	4/10	To Alb Kingsbury	Fwds blueprints showing arrgt of shafting, arrgt of turbine and reduction gear foundations, and turbine shaft and coupling, for, with comment. D Kingsbury (T) request detailed drawings 4/11 Kingsbury (T) state amount of thrust when running reverse. 4-11 To Kingsbury--(T)Gives amounts of thrusts.4/12 To-Kingsbury--Fwds blueprint relative to thrust bearing.4/13 Albert Kingsbury Asks for drawings. 4/14 Kingsbury request further information relative to stuffing box 4/16 To--Have had no adverse report.4/20 Albert Kingsbury Fwds print.4/30 To--Acknowledges.5/8 Albert Kingsbury - fwds prints of thrust bearings 4/30 D
228156	5/11	To CO T	Spare propellers not yet ready. SAMPSON'S will be abailable and may be used. C
230435	5/26	FR T	One spare propeller ready for delivery; reqt shipping instrns; contrs.propose Bost. 697
231626	5/31	FR	Defective spare propeller - have placed order for new N

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[OVER.]

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CUSHING: PROPELLERS:

1913

1

Number.	Date.	From or To—		Subject.	
90174	2-11	FR	407	Arr and details of shafting; b/p. N To---appd.3/20. To---discrepancies on plans.1/13/14	
91392	2/27	FR VOID	593	Steam pumps; fwds order Blake & Knowles Co; plans not yet approved by Bureau.N	
94978	4/5	C&R		Stern frames, struts, and after framing,b/p	543--8
95956	4-26	C&R	29334-E.2	Shaft tubes and boss frames; b/p.N Fwd C&R- satis. 5/14	
104381	8-23	FR	2600	3-blade propeller; print.D To--appd 8/29	
110378	11-12	FR	3507	Spring bearings for line shafting; b/p.D To---No plan received.11/18	
111002	11-19	FR	3537	Spring bearings for line bearing shaft; print.D To---appd.12/3	
115701	1-20	FR	1914 2327	Spring bearings for line shafting; reqt. authority to suspend approval of plan; does not agree with forced lubrication system requireed.D To---Bu prefers a ring oiler spring bearing.1/26	

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CUSHING: PROPELLERS. 543-14

Number.	Date.	From or To—		Subject.
115702	1-20	FR	236	Propeller shafts; reqt plans of hubs. D To---Bu has no drawing.1/26.
117115	2-5 2-7	Bath FR		Left hand propeller; reqt deficiency in elongation be waived.S Ret FR via Bath.appd.2/10.
125575	5/21	FR		Independent bilge pump suction; dec cost.D
134833	9-16	FR		Shaft calibration; fwds report on.D Fwd Bd I&S-- For its information. 9/24 rb 9 29
			1915	
144581	1-13	FR	166	Propeller measurements; fwds.D.
146846	2-8	FR	502	Propeller; fwds plan.D To--Appvs with comment. 2/17
155037	5-13	FR	1853	Port propeller; reports bending one blade; recommends contractors be allowed to use on trial.N To--Appvs recommendation 5/17
160701	7-14	FR		Spare propellers; reqt authority to use on trial of TUCKER. N To--Appvs. 7/16

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[OVER.]

CUSHING: PIPING.

1914

Number.	Date.	From or To—	Subject.
127369	6/11	FR 1947	Piping for fire and bilge pumps ~~the~~ in firerooms; fwds plans.D FR reqt action 7-8 FR re t action 7-28 To-- Appvd. 8/22
128366	6/24	Bd on Chgs	Independent buige pump suction; omission of; est dec cost.N To FR appd.6/26. Fwd C&R.7/22.
		1915	
148385	2-25	FR 727	Special angle union elbows; plan. To-- Appvs with modi. 3/8
148695	3-2	FR	Steam piping; reqt permission to use annealed iron wire in lieu of copper wire forsecuring. dovering. DB To-- ppvs. 3/8
153218	4-24	FR 1511	Evaporator drain piping DC To--Appvs recommendation. 4/28
153771	4-29	FR	Future CO reqt connection be proved for hot water in cruising crews wash room. DC To--Will be made after delivery. 5/6
154405	5-6	FR	Joint material for piping, flanges,etc. states can find to Bu approval of material used; work practically completed.DC To--Instructions. 5/13 FR--reqt further instructions 5/19 To--Appvs for work under SE. 5/22
154476	5-7	FR	Flanges for piping ~~ne~~ installed with faces not grooved; can find no authority for.DC To--Appvs reqt to fit flanges for valves. 5/10

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CUSHING: PIPING. 543 — 15

Number.	Date.	From or To—	Subject.
156757	6/7	FR 2116	Contractors state no use for trap replaced by drain tank; reqt authority to deliver to Govn.DC To--Auth to store trap. 6/5
158044	6-15	FR	Submits estimated inc cost for installing drain tanks in evaporator drains.DC To-- Change appvd. 6/18 To Gen Insp -- 6/17
158045	6-15	FR 3277	Contractoss not required to run return line from scuttle butt to save waste water; recommends be done after delivery. DC To--Auth after delivery. 7/6 Fwd C&R form 135 12-14
172562	11-29	Bd on Changes, ~~New Lon~~ E.R.	Removal of traps in evaporator drains and the substitution of two drain tanks with necessary gauge glasses; etc. Inc cost.N
174693	12/22	CO	Reqt aux exhaust be connected to steam coils of evaporator.Y To Bost--Work authrozed. 12/27
181813	3-10	CO	Reports removal of bleeder connection.YD
273899	1-23	To S&A	Oil burners and air registers for-shipt of.Yh
To S&A- Inform progress of tracer.3-4			

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[OVER.]

CUSHING: PIPING.

Number.	Date.	From or To—		Subject.
107197	10-4	C&R	29401-E.1	Fire main, magazine flooding; for fuel oil tanks,etc. Print.D To FR.---Ret C&R.satisfactory.11/4
107621	10-9	FR	3123	Pipe fittings; fwds print.D To---appd.10/24
110134	11-11	FR	3500	Fibrous packing for exhaust line; submits sample for recommendation. D To---approves use of Hudsonil.11/14
110553	11-14	FR	3566	Pipe fittings; fwds plan. D To---appd.11/25
110998	11-19	FR	3638	Duplex suction strainer for lub oil pump; suction; print.D To---appd.12/2
111716	12-1	FR	3802	Pipe covering; reqt. approval as standard.D To---appd.12/5
113181	12-17	FR	5006	Suctionand discharge piping; print.D To---appd as mod.1/8

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CUSHING: PIPING. 543-15

Number.	Date.	From or To—		Subject.	
115735	1-20	FR	216	Arrg water service; fwds plan.D To---appd.1/28.	
116989	2-4	FR	430	Steam and exhaust piping; fwds print; invites attention connection for gen set.D To---appd as mod.2/28.	
118157	2-16	FR	586	Drain piping for traps; reports omission of separate hp and LP trap discharge main.D FR reqt action 3-4 To--appd with mods. 3/18	
120716	3-21	FR	948	Steam and exhaust piping; fwds print showing arrangement aux. exhaust connections to main turbines. D To---appd 4/7.	
122133	4-9	FR	1204	Fresh water suction piping from trimming tanks; print.D Fwd C&R --Bu. will direct that no copper pipes be used in fuel oil tanks, but steel 4/21 3B 4-27 FR reqt action 4-27 To---appd as mod.5/4.	
125572	5/21	FR		Connections for copper tubing for steam, vacuum and hydrostatic gages p	543-24
125575	5-21	FR	1740	Independent bilge pump suction; inc cost. N TO Inspr & Genl Inspr 5-25	

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1913
~~1912~~

CUSHING: PIPING.

Number.	Date.	From or To—		Subject.
93765	3-28	FR	911	Expansion joints and fittings for main steam line; fwds b/p.N. To---appd.4/15.
97245	5-12	FR	1462	Main and exhaust piping;b/p.D To---appd.5/15.
98072	5-7 5-23	Bath FR		Rect. authority to substitute class B boiler plate in lieu steel flanges for piping.D To Bath via FR.appd.5/29.
100101	6-21	FR	1899	Steam and exhaust, suction and discharge piping; plan.D To---appd.7/3.
101182	7-8	FR	2072	Fittings for steam and exhaust piping;b/p D To---appd.7/18
101710	7-15	FR	2141	Suction anddischarge piping in fire rooms; fwds plans and recommends modification to aux. feed pump discharges.D To---appd as mod.7/29.
102396	7-25	FR	2294	Firbrous packing for piping. D. To---use of "Danubil" appd.7/30.
102896	8-1	FR	2394	Steam & exhaust piping in fire rooms; b/p. D To---appd.8/8
9 102884	7-31	FR	2367	Steam and exhaust piping; to deck machy;b/p.D To---appd.8/7

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CUSHING: PIPING: 543 -- 15

Number.	Date.	From or To—		Subject.
103401	8-9	FR	2494	Special zinc boxes for fire and bilge discharges; print.D To---appd.8/13.
104388	8-23	FR	2619	Separator for aux. steam line; b/p.D To-- appd 8/29
104379	8-23	FR	2618	9-1/2" balance expansion joint; b/p.D To--appd 8/29
105178	9-6	FR	2757	Special zinc boxes fr circulating pump suction; print.D TO -- appvd 9-12
105184	9-6	FR	2755	Basket strainer for exhaust piping; b/p.D TO -- appvd 9-12
105179	9-6	FR	2750	Macomb strainer; fire and bilge pump suction; print.D TO -- appvd 9-12
105413	9-9	FR	2791	Balanced expansion joints; reqt. approval for use on main steam to ahead and astern steam chests.D To-- apps 9/16
106657	9-26	C&R	29778-E.1	Drainage; fwds print.D Ret---plan satisfactory.10/9
107188	10-2	FR	3032	6-1/2" expansion joint for main steam cross connection; preint.D To---appd.10/24

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[OVER.]

CUSHING: OIL FUEL SYSTEMS:

Number.	Date.	From or To—	Subject.
273899	5-6	SEE CARD 3	To S&A - Reqt shipt forced draft air registers from Phila to Boston. 1
	Phone Flt Sup. Base Brook. 1-21 2 calls. copy to CO		To Boston, re oil burners and air registers 6-18
	Phone NY-, 1-22 copy to CO		To Phila commenting on above. 6-19
	4:1	S&A	To Bost. Re hipt. of oil burners & air registers 12-26
	5:26	Phila	Bost - 1/9
	Phila 6/3		To NY- re shipment of oil burners and registers for- 1-14
	Boston-8:7		Phone Supply Officer Fleet Base NY. 1-17
	Boston-8:26		To S&A-Reqts make every effor to trace shipt. 3-18
			To SO Boston- Bur informed matrl has been shipt and rqsts upon arrival same be checked for quantity - 4/4 R B 5/3
			To CO- Rqsts Co verify quotation pertaining to 3 cases taken aboard at Brest- 4/4
			Fwd S.O. Phila via S&A. 5-10 copy to S.O. Boston and Comdt Boston.
			To S.O. Boston-Reqts take Edison type storage batteries into stock for issue. copy to S&A. 5-10 RB 6:13
			To Comdt Boston- Inform if material rec'd. 6-12 R B 6/26
			Fwd Comdt Phila. 6-27 RB 7-16
			Fwd Comdt Phila 7-17 -RB-7:25
			To Boston- Advise when material order of 5-4th is received. 7-31 copy to Comdt Phila.
			Shipment order 5/6 R B 9/5

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

CUSHING: FUEL OIL SYSTEM.

1914

Number.	Date.	From or To—	Subject.
126039	5/27	FR 1795	Standard oil burners and connections. Fwds plans. States are not Bureau design.D To---appd as mod.6/9.
128364 VOID	6/24	Bd on Chgs VOID	Lubricating oil settling tank; est inc. cost.N
128365	6/24	Bd on Chgs	Heating coils - fuel oil storage tanks; est inc cost.N Fwd Dept rec appr.6/26. To FR appd.7/9 Fwd C&R.7/22.
128609	6-25	FR 2095	Fuel oil piping in fire rooms; plan.D To---appd as mod.7/7. FR reqt action 7-8
133180	8-27	FR	Coils for fuel oil heaters; change from copper to steel; estimated increased cost. D To FR & Gen Insp-- 8/31
141560	12-7	Bd on Changes, FR	Change in fuel oil heater coils from copper to steel Inc cost.N To FR-- Fwds copy report, appvd. 12/10

1915

Number.	Date.	From or To—	Subject.
153422	4-26	FR	Fuel oil piping air chambers in; recommends provision be made for charging with air.DC To--Appvs recommendations. 4/29
155840	5-22	FR 1967	Oil burners; casings for Yarrow boilers.DC To--Appvs recommendation. 5/26

N.S.E. Form 134.

CUSHING: FUEL OIL SYSTEM. 543-16

Number.	Date.	From or To—		Subject.	
155839	5-22	FR		Contractors reqt authority to use burners similar to those used on DUNCAN during trial.DC To-- (T) Appvs, 5/25	
156350	5-27	Bost		& CLASS:conversion of coal burning ranges into oil burning.DC	539-16
157707	6-12	FR	2256	Air chamber on fuel oil discharge pipe: est inc cost.DC To-- Change appvd 6/15 To Gen Insp-- 6/15 Fwd C&R Form 135 12-14	
159660	7-1	FR	2495	Fuel oil burners; fwds plan.DC To-- Appvs. 7/10	
162379	7/29	FR		Atomizing oil burner, fwds print ·DC TO -- appvd as mod 8-18 FR reqt action 8-19	
164783	8-30	CO		Reqt 12 burners latest Bureau type for test under one boiler. DR To--Disappvs 9/7 CO required to improve present installatio 9-10	
172561	11-29	Bd on Changes, ~~New Lon~~ F.R.		Making connection from compressed air line to fuel oil service pump discharge air chamg chambers. Inc cost. N	
190387	6-6	CO		Increase in fuel oil filling pipe capacity.Y To Bost--Appvs cancellation of. 6/12	
273899	1-16	o Phila		Oil burners and air registers for new boile s. ~~ists articles reqted to mfg. D~~ ~~To-- Being contructed at Boston yard. irects prepare for shipt to boston plainly marked. 1-30 & Boston~~ Phila - 4/22	

Card 4

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Card 4

CUSHING: FUEL OIL SYSTEM.

1913

Number.	Date.	From or To—		Subject.
108825	10-23	FR	3256	Standard oil burner cone;print.D TO -- appvd 11-6
109987	11/8	FR	3446	Fuel oil tanks: drains from steam coils; fwds prints.D To---appd.11/26
110560	11-14	FR	3568	Fuel oil piping in fire rooms; fwds plan.D To---appd as mod.11/26
110554	11-14	FR	3567	Fuel oil tanks; fwds print of deck plating and operating gear for filling of.D To---appd.12/2
111664	11-25	FR	3705	Operating gear for burners; print (Not recd).D To---appd.12/9
112422	12-10	FR	2910	Fuel oil piping in fire room; contractors claim to install self closing valves, change in cost.D To---comments.12/17 FR will consider as development 12-29
113719	12-27	FR		Drainage arrgt for fuel oil tanks.D To---change in spcfns authorized.12/30.
113983	12-27	FR	4125-	Fuel oil tanks; drainage arrgt; print.D To---appd.1/17.

1914

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CUSHING 543--16

1914

Number.	Date.	From or To—		Subject.	
114122	1/3	FR		Install oil meters fuel oil system, will involve inc. cost.	543--24
116180	1/26	FR		Omission of fuel oil tank signal system, fwds modified print.	543--4
116462	1-29	NYS		Fuel oil sys; arrgt of; fwds print.D	
116459	1/26	FR	346	Fuel oil filter operating gear and wrenches; plan.D To---appd.2/2	
117197	2/5	FR		Arrgt of measuring fuel oil during trial trip, print	543--2
117559	2-11	FR	544	Oil meters; fuel oil system; contractors claim increased cost. D To---if proposed meter proves satisfactory in test it may be installed.2/16.	
120545	3-20	FR	928	Fuel oil storage tanks; installation heating coils; est inc cost. D Fwd Dept,request appr.3/24 RB48 appd To---appd.--To Gen Inspr.4/10.	
125832	5/23	FR	1779	Steam coils for fuel oil heaters; Griscom-Russell Co.state will increase cost $350. D To---reqst est.change in cost.6/1.	

NB—0120

[OVER.]

CUSHING: FUEL OIL SYSTEM. 1913 ~~1912~~

Number.	Date.	From or To—		Subject.
93842	4/1	To FR		Steam coils for fuel oil storage tanks; request estimates of inc cost for fitting.N
95689	4-24	TO FR		Fwds prints Bu. type air controlling register and furl oil burner for installation. N
98260	5-26	FR		Flange joints for fuel oil piping; reqt. authority to insert gaskets.D To---not appd.5/29.
98379	5-27	FR	1651	Fuel oil heater; fwds b/p.D To---appd as mod.6/6. To---take up with contrs.question of fitting steel tubing in lieu of copper that comes in contact with oil.3/26.
101935	7-19	FR	2202	Fuel oil filter; fwds print.D. To---appd.7/25.
102204	7-22	FR	2246	Fuel oil suction strainer;b/p.D To---contrs' letter not received.8/5 To---appd as mod.8/13.
102744	7-22	FR	2246	Duplex fuel oil suction striner; b/p.D To---plan received not same number as letter states.8/2.
102803	7-21	FR	2369	Fuel oil plans;reqt. specns. covering filter for.D To---appd.8/6
102904	8-1	FR	2386	Oil fuel system; plug cock in.D To---appd.8/7

N.S.E. Form 134.

CUSHING: FUEL OIL SYS. 543-16

Number.	Date.	From or To—		Subject.
103209	8-6	FR	2423	Duplex fuel oil suction strainer;ppint.D
103248	8-7	FR	2449	Suction piping; strainer for; reqt. authority to use plug cock over 2" in diamter.D
103776	8-30	FR	2359	Fuel oil piping; fwds print showing steam heating coils.D To---plan not received.8/23. TO --- appvd as mod 9-9 TO -- changes directed in 9-17
104059	8-18	FR	2573	Fuel oil pump suction; meters for; print.D To---appd as mod.8/25
104530	8-26	FR	2650	Fuel oil piping system for draining water from fuel oil tank. b/p.D
105640	9-12	FR		Suction piping; fuel oil; re fitting with flanges for oil meters.D To-- apps 9/16 FR reqt 3rd par be eliminated 1-9 To---par.3 eliminated.1/26
106482	9-24	FR	2936	Oil burning system; fwds print cap casing and front furnace casing details. D. To---appd.10/7
106853	9-29	FR	2984	Oil burner piping; b/p.D To---appd.10/7
106847	9-29	FR	3002	Oil burner holder; print.D To---appd as mod.10/7

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[OVER.]

CUSHING: WORKSHOP & TOOLS. 1913 ~~1912~~

Number.	Date.	From or To—		Subject.
91531	2-28	FR	611	Fwds print of boiler tube expanders and belling tubes.N To---plan appd.3/22.
95364	4/18	FR	1196	Fwds prints and description of motor driven engine lathe.L To- appd 5/5
95775	4/24	GE		& DOWNES:requests copy of orders covering 12" motor driven lathes.S Fwd Ord.request inspection.4/25. RB 5-6
			1914	
127757	6/17	Pitts.		Davis lathe - motor for: fwds test report.S To FR.fwds test reports.6/20.
			1916	
209259	12-20	CO		Request larger motor for buffer and grinder.Y To--Instructions. 12/23

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Number.	Date.	From or To—	Subject.	

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1915

CUSHING: PUMPS.

Number.	Date.	From or To—	Subject.
158593	6-19	FR 2349	Main air pump stuffing box gland; plan. DC To-- Appvs. 6/26
161415	7-21	FR	Oil clutch pumps; spare parts; list. DC To-- Appvs. 7/27 FR 7/31 FR 8-24 ~~To 8/27~~ To Bost 8/27
			1917
218968	3-21	NY	Circ pump; fwds print of proposed lignum vitae spider bearing. D. To--(T) Appvs. 4/3
225980	5/5	To FR T	Expresses appreciation of efforts to expedite delivery of blading material for. T

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Number.	Date.	From or To—	Subject.	

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[OVER.]

CUSHING:PUMPS: 543-19

2 V

1913

Number.	Date.	From or To—		Subject.	
111504	11-26	FR	3743	Main air pump; sealing water cooler for; fwds print.D To---appd.12/6	
111405	11/24	FR		Main air pumps, fwds print and index list To---appd.12/2	543--9
				1914	
122163	4/13	To FR		Fire and bilge pumps; request estimate of inc cost for installing in fire rooms. To FR--shows arrgt appd for sister ships 4/29	
125277	5/15	FR	1673	Additional fire and bilge pump for fireroom.D TO -- contractors order pump on their own responsibility 5-22 To---appd.6/12. To-- Appvd 8/22	
127093	6/10	C&R	29778-E.2	Fitting of additional fire and bilge pumps in fire room.D Ret---comments.6/12.	
128452	6/25	FR	2088	Fire and bilge pumps; inc cost for additional in fireroom.D To FR & Gen Insp.-- Authorized. 8/22	
128572	6-26	FR	2108	Horizontal turbine drain pumps; plan.D To---appd.7/2.	
130012	7/14	FR	2295	Fwds index list of pumps.D To-- Appvd. 8/24	

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CUSHING: PUMPS: 543-19

Number.	Date.	From or To—	Subject.	
130772	7-23	FR	Index list of pumps; fwds.D FR reqt action 8-11 To---appd.8/13.	
127369	6/11	FR 1947	Piping for fire and bilge pumps in fire-rooms; fwds plans	543-15
131153	7-27	FR 2431	Install F&B pump and relocate fuel oil pump ; inc cost. D	
138476	10-30	FR	Steam pumps; states contractors are allowing 1/32"-description clearance for cylinder head; believe excessive; reqt ruling.D To-- Instructions. 11/6	
141561	12-7	Bd on Changes, FR	Instllation of additional fire and bilge pump in fire room; additional cost.N Fwd Dept-- Rec appvl. 12/10 RB 2 appd To-- Fwds copy report, appvd. 12/18	
153770	4-28	FR 1915	Reqt hand hole be cut in casings of main circulating pump engine.DC To--Will be done after delivery. 5/6	
155447	5/18	FR	Circulating pump engines; repairs for; recommends contractors be directedto supply.DC To--Not required. 5/21	
156633	6-2	FR 2092	Pumps; fwds B&K list.DC FR (T) Reqt action. 6/10 To--Appvs. (T) 6/11	

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CUSHING: PUMPS.

1913

Number.	Date.	From or To—	Subject.	
91392	2/27	FR 593	Steam pumps; fwds order Blake & Knowles Co; plans not yet approved by Bureau.N To---appd as mod.3/21. FR order modified.4-3	
91528	2-28	FR 610	Standard rotary cylindr spray pump; print.N To---plan appd.3/22.	
93155	3-22	FR 2834	Fwds prints of Simplex and air circulating pump.N To---appd.4/2.	
94846	4/16	Fwd Bost	Blake & Knowles, reqt permission to furnish Comp. N-# pump rods.	539--19
95313	4/18	FR 1186	Pump governors; fwds prints.N To---plans returned, not satisfactory.4/26.	
95695	4/21 4/23	Blake & Knowles FR	Requests permission to furnish composition N-r pump rods.S To Mass.via FR.appd.4/28.	
95696	4/23	FR 1228-26	States contractors have requested authority to furnish all pump rods of composition N-r except where steel is specified.N	
96160	4/29	FR	Main air pumps; fwds prints.N To---appd.5/9.	

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CUSHING: PUMPS. 543---19

Number.	Date.	From or To—		Subject.	
96893	5/3 5/6 5/7	Blake & Knowles Mass. 5490 FR		Requests permission to use Naval brass rods; disapproved by Inspr.F.R. S Fwd FR via Mass.comments.5/10. RB 5-19 Fwd appd 5/19 RB 5-24	
96963	5/7	Blake & Knowles		& O'BRIEN: steam pumps, fwds tracings.	539--19
97340	5-13	FR	1472	Curtis turbines; details of drum rings and buckets. D	
97333	5-14	FR	1468	Pump list; fwds b/p.D. To---appd.5/27.	
98864	6-4	FR	1731	Main circulating pump and engine;b/p.D To---appd.6/11.	
98927	6-5	FR	1745	Circulating pump;b/p.D	
99197	6-7	FR		Pump governor; regt. print of Foster Eng. D To---appd.6/18.	
102405	7-26	FR	2302	Pump list;fwds.D To-- Appd 8/4 TO -- fwds dup prints 9-12	
102737	7-30	FR	2352	Pump list; spare parts and wrenches for.D To---appd.8/9	
108263	10-18	FR	3196	Pump governor; fwds print.D To---appd.10/28.	

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CUSHING: VALVES.

1915

Number.	Date.	From or To—		Subject.	
144654	1-14	FR		Reqt authority to install K&M bucket traps on oil coolers to fuel oil suction. To-- Appvs. 1/21	
146275	2-3	Exp.Sta	EEST 488	Safety valves; Star Brass Co. Report of test. D. To FR--Rec acceptance. 2/18	
154841	5-11	FR		(9-1/2 main steam stop valves; specns call for flat facing seats; reqt authority to change. DC To-- Appvs. 5/13	
155265	5/15	FR		Valve hand wheels; fwds print .DC To-- Appvs with modi. 6/30	
156757	6-7	FR		Contractors stat no use for trap replaced by drain tank; reqt authority to deliver to Govn	543-15
159076	6-24	FR	2405	3/4" relief valve for pump discharge; fwds plan. DC To-- Appvs. 7/9	
166742	9/14 9/21	CO Bost		Fit elbow fittings on salinometer valves. D To Bost-- Work authorized.9/28	

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Number.	Date.	From or To—	Subject.	

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CUSHING: VALVES. 1914

Number.	Date.	From or To—		Subject.	
129738	7-11	FR	2266	Valve manifold; for turbine drain pump ~~ss~~ discharge; plan.D To---appd.7/20.	
130487	7-21	Exp.Sta	TEST 410	safety valves; reports on test. D Exp.Sta reqt changes be made in valves 8-6 To FR.fwds extracts from report of test; use not appd until defects are remedied.8/13	
132133	8-12	Exp.Sta		Safety valves; fwds copy of letter wirtten to Lonergan & Co. relative to cause of rejection of. D	
132214	8-14	Lonergan, J.E.Co.		Boiler safety valves rejected at Exp.Sta; reqt copy of report; states P.G.Darling, greatest authority on safety valves in the U.S. states valve was finest he had ever seen; witnessed test. D To---fwds copy of Expr.Sta.Test report #410.8/15.	
132395	8-15 Fwd Nav.	FR Acad-- Req date.9/18	2670	Steam traps; fwds print of K&M type; expansion; recommends approval if same has passed test at Exp.Sta.D To-- Must pass test at Exp.Sta. May be test if contractors desire. 8/24 FR reqt date of test 9-14	
132870	8-22	FR	2733	Drum spider for turbine; plan. D	
133945	9-5	FR	2912	Fuel oil manifold for F&B pump suction; plans.D To-- Appvd. 9/24	

N.S.E. Form 134.

CUSHING: VALVES. 543 -- 20

Number.	Date.	From or To—		Subject.
136102	10-2	FR	3192	Boiler safety valves; fwds plan. D To-- Appvd. 10/10
137200	10-15	FR	3304	Spring relief valves; for fire room dicahrges; fwds print.D To-- Appvd. 10/21
137501	10-19	FR	3344	Boiler safety valves; contractors reqt be not tested at Exp.Sta.D To-- Instructions. 10/21
138338	10-29	FR	3428	Expansion steam trap; asks if one submitted to Exp.Sta has proven satis.D To-- Report not yet rec'd. 11/2
140031	11-18	FR	3651	Steam traps; Kiely & Muehler type; reqt report on from Exp.Sta be expedited.D To Exp Sta.-Asks when test will be completed. 11/25 Exp.Sta will wubmit report dec 15 11-30
142244	12-16	Exp.Sta	TEST 470	Kiely traps; report of test. D. To FR--Fwds report of test. 12/19 ExpSta report shipment 1-29
142861	12-21	FR	4028	Kiely expansion steam trap; not required and will not be used for hot water; suitable for cold water. D To--Disappvs use of. 12/28
143472	12-31	Exp.Sta	TEST 410	Safety valves furnished by Lonergan Co. reports on test. D. Fwd FR-- Fwds report. 1/2
143474	12-30	Exp.Sta	TEST 488	Ditto furnished by Star Brass Co. Fwd FR-- Fwds report. 1/2

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CUSHING: VALVES.

Number.	Date.	From or To—		Subject.
112826	12-12	FR	3967	10" combined check valve and strainer; rint.D To---appd.1/27.
113956	12-30	FR	4162	List of valve prints desired. D To---appwards prints.1/15
			1914	
114834	1-9	FR	97	Lalor automatic valve; print.D To---appd as mod.1/20.
115703	1-20	FR		Safety valves; reqt test at Exp.Sta. D Fwd N.Acad.test when received.1/24. RB 1 29
117200	2-5	FR	446	Valve manifold; pressures up to 100#. Print.D To---appd.2/12.
117467	2-10	FR	540	Combined 10" valve basket and steam strainer; reqt reconsideration of Bu disapproval; resubmits plan.D To---not appd; requirements.2/28.
119219	3-3	FR	7117	Steam traps; fwds print of Anderson type.D To---appd as mod.3/16.
119805	3-10	Lowergan, J.E. Co		Safety valves; reqt authority to furnish .07 lift in lieu of .1".D To---must take up with contractors.3/16. To FR.Fwds letter and requests take matter up with contractors.3/16. FR reqt Bu approve lift of 7-100#3-27 To FR.appd.3/31. To--appd with rec 4/22

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CUSHING: VALVES. 543 -- 20

11914

Number.	Date.	From or To—		Subject.
120630	3-21	FR	942	Combined valve and basket steam strainer 10"; fwds print.D To---appd.4/7.
121348	3-31	FR		Steam trap; states if modificationsrequested by Bureau are made will demand inc cost.D To--Bu. considers mods. unessential and they will not be required 4/3
122692	4-14	FR	1259	Fuel oil testing valves; print.D
122924	4-17	FR	1301	1-1/2" valve manifold for trap drains; print.D TO -- appvd 42-5
123907	4-30	FR	1455	Heintz type steam trap; fwds print and recommends approval.D To---plan satisfactory.5/4.
124631	5-7	FR	1569	10" combined stop valve and basket steam strainer; print.D FR 5/22 reqst action.D To---appd.6/1.
127461	6/11	FR	1935	Steam traps; contractors propose fitting a swing check valve on discharge side in place of stop valves. Rec against.D To-- Appvd. 6/17
129711	7-10	FR	2256	Submits list of Foster reducing valves; proposed for.D. To---appd.8/18.

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CUSHING: VALVES. 1913

Number.	Date.	From or To—		Subject.
102905	8-1	FR	2385	Angle valves;b/p.D To---appd.8/7
102893	8-1	FR	2387	Valve manifolds;fwds b/p.D To---appd.8/7
103208	8-6	FR	2422	Boiler safety valves; submitting plans showing alterations.D. To---appd as mod.8/15.
104062	8-18	FR	2559	Mason reducing valve; fwds b/p.D To---will not act until report of Mason valve now under test at Expr.Sta. Suggests Leslie, Foster and Lytton types.8/22 FR quotes letter from Mason Co.9-6 To-- no action until Exp.Sta report 9/10
104382	8-23	FR	2620	Main steam stop valve; b/p.D To--appd 8/29
104870	9-2	FR	2720	Boiler safety valves; print of Lonergan 4" duplex.D To-- appd 9/10
105176	9-6	FR	2758	Spring relief valve in aux. exhaust to condenser; print.D. TO -- appvd9-12
105836	9-13	FR	2837	Standard globe valve for oil burner piping;b/p.D To---appd as mod.10/7
107485	10-2	FR	3031	Safety valve lifting gear; fwds print.D To---appd.10/24

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CUSHING: VALVES. 543---20

Number.	Date.	From or To—		Subject.
107645	10/11	To FR		Auxy steam stop on boiler; calls attention to spcfns requiring gear for operating from deck.D FR contrs reqt. authority to omit gear for operating stop valves from deck disapproved 10-23 To---Omission not appd.10/28
109023	10-25	FR	3269	Safety and relief valves;print.D To---appd as mod.11/15
109479	11-3	FR	3367	Steam traps; reqt. authority to change machy specns to agree with type of trap approvd by Bu. 7-23.D TO -- auth 11-10
109478	11-3	FR	3358	Steam trap; resubmits K&M type print modified.D TO -- appvd as mod 11-8
109859	11-7	FR	3423	Castings for valve bodies; contractors reqt excess lead be waived.S To---returns waiver cards for additional data.11/19 Ret---asks if waiver card forms have been received 11/19 RB 11 22 To---acceptance authorized.11/25
112413	12-8	FR	3902	Spring, relief, globe, and angle valves for main and aux condenser.exhaust. D TO -- appvd 12-16
112574	12-9	FR	3911	3-1/2" special globe valves; b/p.D To---appd as mod.12/17.

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CUSHING: VALVES.

Number.	Date.	From or To—		Subject.
94030	4-1	FR	954	7" angle valve for use on circulating pump suction. b/p.N To--appd. 4/23
94033	4-1	FR	955	Special angle valves; b/p.N TO -- appvd. 4-24
94026	4-1	FR	452	Special globe valves for pressures up to 100#. b/p.N To--appd. 4/23
94198	4-3	FR	983	19-1/2" gate valves for overboard discharge; print.N To--appd. 4/23
94202	4-3	FR	984	7" boiler stop valve with operating gear; print.N TO -- appvd. as mod. 4-24
94687	4-9	FR	1055	19-1/2" angle sea valve for main injection piping; b/p.N To--appd. 4/23
96905	5/7	FR	1403	Special angle valves for feed pump discharge; fwds print.D To---appd.5/15.
97059	5-9	FR	1427	Boiler safety valves; fwds prints of Lonergan'D To---appd as mod.5/29.
97162	5-10	FR	1442	Angle sea valve for discharge piping;b/p.N To---appd.5/26.

N.S.E. Form 134.

CUSHING: VALVES. 543-20

Number.	Date.	From or To—		Subject.
97248	5-21	FR	1460	Angle sea valves for discharge piping; b/p.D To-- appd.5/16.
97236	5-10	FR	1441	Angle sea valve for suction piping;b/p.D To---appd.5/16.
97338	5-13	FR	1474	Main and aux. feed valves; b/p. D To---appd.5/28.
98068	5-23	Bath	684	Gate valves; reqt. standard prints.D.
98353	5-27	FR	1656	Reqt. approval of 3/8" screwed globe valve for attaching to water drums of boilers for testing water connections.D. To---appd.5/29.
98371	5-27	FR	1662	Special angle valve for main feed discharge; fwds print. D. To---appd.6/5.
99213	6-7	FR	1772	3-4" hose coupling valve; b/p.D To---appd 6/26.
101688	7-15	FR		Steam traps; fwds plans of Kieley & Mueller; not approved.D. To---appd.7/23.
102341	7/26	To FR		Safety valve seats; material for; error in specifications. Authority is given to modify contr's order No.76229.D

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[OVER.]

CUSHING: ALLOWANCE. 1917

Number.	Date.	From or To—	Subject.	
214619	2-13	Norf	Reports forwarding allowance list to NY. R	
311392	9-26	To CO	Rqst inform re reply to letter May 31 re S E Revision of Elec allow LR	
354779	10/1	Nots	Types P & T allowance issue To 4th Dist, approves elec allowance with modifications 10-21 Fourth Dist. Oct. 24 To Phila, the CHINALPA is listed as a N.O.T.S. vessel 10-30 Fourth Dist. Nov. 7 To 4th Nav Dist, Electr allow, 11-14	RA
378280	12;6	CO	Req order blank allowance list RA To CO. Fwds. 1 blank type "A" SE Elec. Allow. book. 12-30 To CO Cushing-Reqts immediate reply. 5-1 CO 6;18 To CO- Fwds appvd elec lists. 7-9	
387938	1;21	CO	Req. copy of allowaance list corrected to date RA To- Fwds blank type "A" list. 1-27	

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543 - 21; CUSHING: ALLOWANCES:

Number.	Date.	From or To—	Subject.	
395932	2-19	Phone NY	Lathe for - Auth granted to issue 14" motor driven lathe. Ya	
413725	4-28	To CO	Fwds appvd alow list 1918 edition. Ya To Comdt-NY ditto. 4-28 R B 5/3	
472362	5-12	To CO	Reqts eliminate from page 54 line 10 "one wheel complete with blading". Ya copy to E.O. and S.O. Ny.	

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CUSHING, allowance, spare parts, etc 1913 1

Number.	Date.	From or To—		Subject.	
97817	5/20	FR		CUSHING: 25 kw gen.set, list of spare parts	543--5
97818	5/20	FR		Desk fans, list of spare parts	543--5
97819	5/19	FR		Searchlights, fwds prints & list of spares	543--5
98066	5/23	FR		Evaporators & distillers, reqt that specfs for spare parts be revised.	543--10
101148	7-7	FR	2056	Reqt. R TO FR changes 4-24 To--Fwds list of McDOUGAL for changes applicable to CUSHING. 5/6	
105401	9-9	FR	2790	Reqt. Equipt allowance.R	
107491	10-4	FR		Fwds 2 copies of Equipt. R To---appd: fwds blank.11/22 To---& Bost.Fwds lists.11/24	
113069	12-17	Bost		SE allowance. Reqt R ALSO MCDOUGAL.	
118334	2/26	To Bost.		& MCDOUGAL; omit air pressure gages and armored thermometer.	542-21
125090	5/14	FR	1667	Allowance: returns corrected.R To-- Changes. 5/29 To-- Changes. 5/29	

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CUSHING: ALLOWANCE: 543v-- 21

Number.	Date.	From or To—		Subject.	
134872	9-17	FR	3053	Reqt addition of lights for. R To-- Changes. 9/30 rb 10 e	
			1915		
144747	1-15	FR	205	Reqt.R To-- Fwds blanks for copy. 2/1 FR returns filled out 2-26 To-- Returns appvd. 2 3/4 FR fwds 3-18	
	To--Appvs with modi. 3/20				
145002	1-15	FR	206	Elec: reqt changes.R To-- Changes in. 1/26 FR 2-19	
144831	1-21	To FR.		Allowance: elec: change in. L-R	711
148430	2-27	Bost		Reqt. R	
151356	4-1	FR		Reports omission of certain spares from portable safety lantern. R	
153438	4-26	FR		Reqt addition of gage lights.R To-- Appvs. 4/30	
162043	7/23	FR		Lists additional spares requested.N To-- Add to. 7/31	
			1916		
183030	3-31	To FR.		Amendment in springs. R-L	
205931	11-15	CO		Request authority to turn in valves, separators, cocks,etc.R To via Norf--Reqt appvd. 11/21	

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CUSHING: WHISTLES:

1913

Number.	Date.	From or To—	Subject.	
102749	7-30	FR	Fwds print of separator and connections for.D To---appd.8/5.	
104136	8-20	FR	Megaphone whistle; inc.cost.D To---appd.--To Gen Inspr.8/23.	
108260	10-17	FR 3188	Megaphone whistle; est. inc.cost. D	
110893	11-18	FR 3610	Megaphone whistle; print.D To---appd.12/1	
		1914		
117981	2-17	FR	Megaphone whistle; inc. cost. D	
158511	6-18	Bd on Changes FR	Installation of a megahone whistle. Inc To-- 6/23	

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Number.	Date.	From or To—	Subject.	

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CUSHING: AIR COMPRESSORS. 1914

Number.	Date.	From or To—	Subject.
122170	4/13	To FR	Installation of Westinghouse in fire rooms; request est of inc.cost.D
125089	5/15	FR 1670	Steam-driven air compressor; fwds copy of Westinghouse catalog.D FR 6/23· reqt action.D FR reqt action 7-8 FR reqt action 7-22 To -- approval withheld.7/31. To -- approved. 8/21
128793	6-29	FR 2132	Westinghouse air compressor; est inc cost.L To Quincy & Gen Insp.-- Authrozed. 8/21
141581	12-7	Bd on Changes, FR	Installation of Westinghouse air compressor; inc cost.N To FR-- Fwds copy report, appvd· 12/10

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Number.	Date.	From or To—	Subject.	

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1914

CUSHING: GAGES & INSTRUMENTS.

Number.	Date.	From or To—	Subject.
121080	3-25	FR 997	Oil meters; tests; reqt copy of report on BOWSER. D
119276		SEE CARD #1	To FR.Fwds reports on test of Bowser and Buffalo meters; request furnish contractors with quotations from.4/14 FR. 4/21.returns corres.D
123908	4-30	FR 1350	Fuel oil meters; reqt additional test for low pressure service conditions.D To---further test not appd. Will favorably consider Bowser meter.5/4.
125572	5/21	FR	Connections for copper tubing for steam, vacuum and hydrostatic gages.D To---not appd.6/9. FR 6/8.reqst action.D
125624	5/23	S.F.Bowser & Co.	Oil meters; fwds tracings for approval before going ahead with order.D To--6/6 Boswer & Co.6/8.have submitted prints to FR Co.for approval.D
128439	6/25	FR 2100	Fuel oil meters; contractors request spcfns calling for finished plans be waived. Submits wood cuts.D To---Bu will not waive.7/6.
128604	6-26	FR 2106	Counters, gages, and thermometers in engine and fire rooms; plan.D. Fwd Bd I&S.for comment.7/8. rb 7 13 FR reqt action 7-13 To---appd.7/18.

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CUSHING: GAGES & INSTRUMENTS. 543-24

Number.	Date.	From or To—		Subject.
130801	7-23	FR	2397	Fuel oil meters; fwds print.D To---appd.8/4
131815	8-5	FR	2563	Fuel oil meter: change from suction to discharge line; est inc cost. DD Fwd Dept.request appr.8/17 RB 8 21 appd To FR & Gen Insp.-- Authorized. 8/24
141007	12/1	FR		Torsion meters; reqt ruling relative to finished plans.D To-- Instructions. 12/7
141565	12-7	Bd on Changes? FR		Changing fuel oil meter from suction to discharge line. Inc cost.N Fwd Dept-- Rec appvl. 12/10 RB 12/15 ao To FR-- Fwds copy report, appvd. 12/16
146082	1-30	FR	373	Water gage for discharge air chambers; fwds plan.D. To-- Appvs. 2/8
147893	2-19	FR	648	Reqt approval of water gage for fuel oil heaters. D To--Not required; need not be fitted.2/25
159454	6-29	FR	2472	Gages for F&B pumps; contractors will install at increased cost.DC To--Should be supplied without add cost.7/2

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[OVER.]

CUSHING: GAGES & INSTRUMENTS. 1913

Number.	Date.	From or To—		Subject.
97246	5-12	FR		Standard gage cocks and air cocks fittings for Yarrow Boilers. b/p D To---appd.5/27.
100334	6-24	FR	1927	Clearance indicator; b/p.D To---appd.7/3.
102903	7-31	Jerguson Mfg.Co		Double glass gages; print for approval.D To---plans returned; should be submitted to contrs.8/7
105028	9-4	FR	2731	Automatic water gages and drain cocks; Jerguson type; reqt. approval. D To - have Conts. submit plan 9-8
106806	9-29	FR	2995	Automatic water gages for main boilers; fwds print of Jerguson type. D To---appd with comments.10/21.
106843	9-29	FR	2986	Automatic water gageson auxilary steam pipng.D Print.D To---appd.10/7 TO -- TO-16
109167	10-25	FR	3267	Automatic water gages and drain cocks for main boilers; print.D To---appd.11/4.
111419	11/28	To FR		Thermometers; change specifications requiring be forwarded to New York for test instead of to Nav Academy.D

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CUSHING: GAGES & INSTRUMENTS. 543-24

Number.	Date.	From or To—		Subject.	
112024	12-4	FR	3863	Reqt. approval of Cummings torsionmeters. D To---appd.12/9 FR corrects error in 12-19 To---fwds prints.12/27.	
113992	12-27	FR	4132	Sight feed oil and thermometer fittings; print.D To---appd.1/10.	
			1914		
114122	1-3	FR	32	Install oil meters fuel oil system; will involve increased cost.D To---requirements as to test, etc.1/6 To---quotes results of tests of Buffalo oil meter.3/19.	
114497	1-6	FR	46	Gage board and counter; drives for gages, print.D To---appd as mod.1/19	
115827	1-23	FR	267	Steam and vacuum gages; recommends disapproval of contractors request to use 1/4" in lieu of 1/2" tubing for.D To---appd as mod.2/3.	
115961	1-23	FR	286	Oil meters for fuel oil system; were fwded Phila for test.D To---fwd Phila.test authorized.1/27.	
117559 VOID	2-11	FR	544	~~Oil meters; fuel~~	
119276	3-4	Phila		Bowser oil meter; for; reports test of.D Fwd Cramps.for comment.3/10. To Cramps.Buffalo type disappd.3/26/	CARD 2
119345	3-6	FR	773	Pressure and vacuum gages; order for differs from specns.D To---spcfns will be changed 3/19.	

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543 - 25 CUSHING: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
305584	5-8	European Force	Month of March. Y	
317762	6-17	NY	5-13-17 to 6-15-18. Y	
321955	5/1	CO	Month of May ~~p~~ Y	
329468	6/3	USS MELVILLE	Work done during May - Y	
332856	8-1	USS MELVILLE	For month of June. Y	
332318	7/1	USS PROMETHUS	Month of june - Y	
391147	1/1	CO BRIDGEPORT	Quarter ending 12/31/18 - Y	
414314	4-15	CO	3-13-17 to 5-13-17 Y	
427555	6-1	NY	5-13-17 to 6-15-18. Y	

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CUSHING: RECORD OF WORK: 1916

Number.	Date.	From or To—	Subject.
177681	1-29	Key West	From Jan 24 to 29.Y
177739	1-31	Bost	Aug 21 to Oct 18
~~179087~~	2-12	~~Key West~~ Bu Ord	~~Jan 24 to Feb 12.Y~~
179528	2-17	Norf	To Dec 4
179879	2-21	Key West	Jan 24 to Feb 16
183444	3-31	Bost	Dec 29, 15 to Jann,4, 16
		1917.	
229625	5/19	NY	March 13 to April 13 Y
266369	12/8	NY	3/13 to 5/13 - Y
288636	3-9	Boston	Sept 14,1916 to Sept 21, 1916
538709	1-3/21	~~Boston~~ Vice	Quarter Ending 12/31/20

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CUSHING: SURVEYS:

Number.	Date.	From or To—		Subject.	
510448	4;30	CO	6	Missing - voice tubing and helmet.Y	
510450	6;19	CO	12	Missing-lamps thrust bearings.Y	
510449	6;19	CO	13	Tools.Y	

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Number.	Date.	From or To—	Subject.	

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FILE No.	From or To— (Dated)	Subject.	
32876 3/1	Naval Examining Bd.	& UTAH: Reqt. copies of hull specns. also elementary wiring diagram.D Ref. Dept. via C&R - complied with 3/6 To Bd. fwds. spec. etc. 3/6	
		1912	
		1913	
		1920	
492777 5;10	Inspr NN	Request authority toburn specifications.D directs specifications be destroyed 5-21/20. NN - specifications printed - 5/24 - D	

DELAWARE: TRIALS PAYMENTS ETC 1919

Number.	Date.	From or To—	Subject.	
412367	4;17	Flt.	Fwds report on full power trial D	

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Number.	Date.	From or To—	Subject.	

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DELAWARE: trials, payments, etc 1912 5

Number.	Date.	From or To—		Subject.	
62612	3/4	Dept		& S.CAROLINA: Eng.Comp. trials, report"A"	407--2
63920	3-15	Dept	28004-1-263	Full power and endurance: report A.Fwds.F Ret---comments.4/9.	
64507	3-18	CO		Speed curve; recd.credit for 203.8 knots lost by use of curve unreliable re draft and trim. D Fwd Dept. not under cog.this Bu.32-8	
83197	11-20	Dept	28004-1-383	Eng.comp.report. "A"; fwds; F Ret---12/3.	
				1913	
98273	5/26	Delaware		Fuel Oil consumption curve based on final acceptance trials, and actual steaming while in commission	764
101563	7/15	Dept.		Engrg Comp.Report B; fwds	766
107585	10/10	Dept		Umpires report on full power trials of	766
108329	10-20	Dept		Eng.Comp.report.A. Fwds F Ref---11/5	
113930	1/15	To Dept.		Request orders for turning trials be made with both engines operating at same number of revolutions.	767

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DELAWARE: TRIALS: 182-2

1913

Number.	Date.	From or To—	Subject.
			1914
117880 VOID	1-26 1-28 2-14	CO At Torp Flt Dept	Reports on operations quarter ending Dec 31; C-in-C commends operation of.C
127260	6-12	To Post Grad School	Calculation Book - fwds. D Returned 7/29
128374	6/25	Norf.	Request weight lists and center of gravities in connection with inclining experiment.D To---gives weights.6/30.
131600	8-5	Dept	Report B:fwds. F Ret---8/6
144485	1-14	To Westinghouse Mach Co Internation Curtis Marine Tur Co.	Backing trials of; fwds blue-print of. D
			1915
148523	3-1	Dept	Report A; F Retd-- 3/4
158853	5-24	Dept	Report B Retd-- Noted. 6/25
			1916
201010	10/3	To CO--	Performance curves. Fwds prints for year 1915. M0/3
303192	4/10	Simms	Fwds report of repairs work performed by Dixie & Melville Rowan & Sterrett A

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Number.	Date.	From or To—	Subject.	
39655	5/19	C.O.	Full power run: fwds report on. D	
39655	5/22	Dept 28004-1-20	Fwds report of 4-hour full speed run. D Fwd Dept. Noted.5/29.	
40067	5/23	C.O.	Recommends adjustment of Engrg. competition record on account of 20 hour endurance run.F	
40397	6/2	Rozychi, Stephen	Bs 36: reports on defects existing on: to be remedied in new constructions.	133--1
43489	6/28 7/5	NN Co Dept 7796-299	Reqt. settlement in full. N (J)to Dept. Upon receipt of report from NY, will be prepared to make rec.7/14.	
43641	7/13	Dept 28004-1-53 -54-55	PRINCETON: MICHIGAN: Fwds reports on engrg. competition trials. Y Ret -- Comments.7/17.	
43727	7/15 7/15	NY C&R 21914-E.462	Elec. work chargeable to contractors; completed before arrival at Nd. N&L	
44422	7/18 7/22	C.O. Dept 27504-124	Reports on run to England and return without re-coaling. Asst C. Ret Dep't via C&R. Noted.7/26.	
45585	7/12	NN	TANKS: replies to criticisms as to faulty measuring of feed water consumption on:	715--1

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DELAWARE: TRIALS: PAYMENTS: ETC. 182-2

Number.	Date.	From or To—	Subject.	
46401	7/31 8/3	NN Co Dept 7796-300	Reqt. final pettlement be expedited.N Ret Dept. Prepared to rec final settlement. 8/29. (J)to Dept.Rec final acceptance.	10/25.
47204	8/25	NN 172	Final settlement; fwds corres. with contractor on deficiencies; cannot claim any further responsibility for wire leads to battle lanterns.N To C&R. States amt to be reserved under S.E. 8/28.	
47289	8/25	Dept	AT.Flt; autumn battle practice: Long range firing Aug. 28th	493
49291	9/8	Delaware	VOICE TUBES WITH special mouth piece covering nose & chin, satisfactory, reports on: recommends further trial.	726
50373	10/3	NYS	NORTH DAKOTA: UTAH: Fwds table of comparative results on coal consumption, horsepower,etc.D To L.D.Lovekin.Acknowledgement.10/7.	
52415	10/27	Dept 7796-301	Directs vouchers be prepared for final settlement. N To NN. Finally accepted Oct.27th. 11/13. Fwd C&R. 11/13.	
53186	11/9	To	PACKING: reqt report on efficiency of C.Lee Cook; when sufficient time has elapsed to demonstrate whether satisfactory.	693
			1912	

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DELAWARE: TRIALS: PAYMENTS: ETC

FILE No.		From or To— (Dated)		Subject.	
36736	4/21	To C.O.	Via Dept W	Directs 24 hour trial before arrival at Boston and make report by wireless.D Dept states wireless sent directing trials.4/21.	
37123	4/26	C.O.	W	Reports on distance steamed, coal and oil consumption, average speed, and general condition of ship.D	
37360	4/27	C.O.	W	Successfully completed 4 hour forced draft run; highest speed 21.86.D	
37515	4/19	Dept		Copy of letter to, directing trial and movements. D	
37505	4/29	Dept		Quotes telegraphs received about full speed trials.D	
37540	4/28	D.O.		INSTRUMENTS: Sangamo watt meter, no such instrument on baard, reqt be supplied for test.	671--12
37788	4/29 5/2	C.O. Dept	28004-1-9	Reports variation of draft from standard required by competition rules during recent ~~control~~ trial runs. D Fwd Dept.5/5.	
37338	5/10	TO C&R		Reports actual weights and centers of gravity.D	
38881	5/15	Dept	28004-1-17	Data on full power trial.Y Ret -- Noted.5/20.	

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FILE No.		From or To— (Dated)	Subject.	
34201	3/20	TO NN	Reports analysis of official weight sheets; final settlement to be based on penalty weight of 39.51 lbs. N	
34223	3/20	NN	Explains discrepancy in weights. N	
34295	3/21	TO Norf	Work chargeable to contractors; directs report.N	
35187	4/1	To Dept	ATLANTIC FLEET: suggests that: be required to preform full power trials at end of fiscal year at Rockland.	493
35489	1/24	Nav.Intel.	FUEL OIL APPARATUS. Fwds copy of report on installation British Navy made by DELAWARE	653
36022	4/12	NN 168	Penalties: fwds letter from contractor reqt. to be released from those incurred by excess of weight.N Fwd Dept via C&R Giving facts in the case.4/15. R.B. Dept directing that settlement be made without deductions for penalty weights.5/22 To -- Weightpenalties waived.5/22.	
36147	4/11 4/13	NN Co Dept 7796-297	Contractors reqt. remission of penalty for overweight on machinery. N Fwd Dept. Calls attention to 36022. 4/15.	
36302	4/14	Norf 2195	Reports S.E. work chargeable to contractors.N To NN.Branch lines from battle lantern feeders; reqst statement from contrs re responsibility.8/15.	
36646	4/20	TO CO via Bost	Directs high speed trials immediately upon arrival at Boston Yd. Desires particular report on reliability of reciprocating engines with forced lubrication.D. TO C.O.thru.Bost.Directions re trial.4/20	

DELAWARE; TRIALS: PAYMENTS: EXTENSION OF TIME: ETC

FILE No.		From or To— (Dated)	Subject.	
28721	1/10	To NN Co (T)	12 knot contract trial: cylinder jackets used drains; discharged to feed tanks; make up feed used 2460 pounds per hour	
29143	1/16	Key West	VALVES: Quotes wireless from Atlantic Flt: reporting muntz and monel far superior to steel: On & N.Dakota: monel probably best	724
29651	1/20	C.O.	INCINERATORS: fwds prints of one being built by ship	654
30394	1/29	C.O.	OHIO: telephone switchboard: suggested by Holtzer Cabot Co. Comments on changes	323--4
30538	1/31	C.O. (W)	Sails 10.A.M. reqt. messages of importance be sent by wireless.Y	
30465	1/31	To	HOSE: flexible copper, steam, reqt report on	663
31554	2/1	Dept 7796-296	Fwds reqt. from NN Co. for remission of penalty of over weight of machinery. N (J)fwd Dept. Contrs reqst not rec.2/14.	
31688	2/15	TO NN	Reqt. list showing changes in weights caused by authorized changes. D	
31803	2/16	NN 168	Submits itemized list showing increase in machinery weights due to authorized changes. D To -- Discrepancies between list and weight sheets 2/21.	
32362	2/24	NN	Submits changes in weights due to authorized changes in machinery. N	

DELAWARE: ELEC PLANTL GENERAL

Number.	Date.	From or To—	Subject.
494941	4;30 5;14	CO Atl Flt	Request relocate fire alarm annunciators in distribution room and rewire circuit-install new type bells,etc.L Fwd Operns cc Atl. -Div 5 Atl. -Bost. CO 5-25. RB-8;5-Y RB-8;2-Y
495487	4/30 5/14 5/22	CO Atl Flt Bost	Reqst rewire truck lights - rewire range and deflection circuits, etc - L Fwd Operns cc Atlantic- Div five Atl. -Bost- CO 5-25. RB-8;2-Y RB-8;5-Y
507353	7;23	C&R	Copy of telegram to Boston requesting particulars covering present installation of rigging insulators.L
522192	10;2 10;7	CO Atl Btlship Squad 3	Request rewire buzzers remove connection boxes rewire call bell circuits,etc.Y To CO Gives inform cc Squad 3 Atl Fleet 10-14
530704	11;19	CO	Request authority to turn in cable listed-L To CO Gives inform 12-1
558472	4;16	Boston	Submits report and recommendations on outstanding auth alterns.L

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N.S.E. Form 134.

DELAWARE ELEC PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.
614565	3/24	To Boston	Uss DELAWARE and NORTH DAKOTA- Alterations and repairs- gives instrns cc CO's DELAWARE NORTH DAKOTA- Atlantic Fleet- L

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DELEWARE: ELEC PLANT

Number.	Date.	From or To—	Subject.	
343868	8-10	CO	Request repairs to force draft blowers and search light, ship service telephone system, fuel oil indiciater system etc. - L&D	
At. Bat. Force #1 CO req. Electrical spares listed 8;16 Y&D	8-24	Atlantic Battleship Force	To CO, Alterations disapproved, 9-6	
At. Bat. Force #1 recommendation CO req. for spares 8;27			To Boston, re alterations, 9-6	
			9-18 copy instructions to NY	
			To Boston, re install of 12" gun firing transfer switches, 10-4	
346055	8-10	CO	Repairs to generating sets, switch board, voice tubes and IC apparatus - L	
At. Bat. Force #1 Submits recommendation on CO req. for spares 8;26	8-7	Boston	To CO, Rqst inform re forced draft blower panels Fwd C&R 10-3	9-24
Allen Bradley Co. 11-4 fwds revised bprints L DELEWARE controllers L			To Boston (T) Rqst inform if forced draft motor controllers on hand, 10-4	
			Boston Oct. 5 Telegram forced draft blower controllers on hand L	
			To A.Bradley Co,(T) request plans & specifications forced draft motor controllers,wire 10-8	
			CO - detailed comments - 10/11	
			Allen Bradley Co. Oct. 23	
			To Boston, re forced draft control panels 11-4	
			CO - submits report - 1/25	
			Bost - fwds copy of requisition - also reports on forced draft blower control panels, with print - L	
363201	10-28	Boston	Telegram - twin armoured and letter wire need at once for workon L	
			To Boston, (T) Cable being shipt 10-29	
			To S&A Rqst shipt cable NY to Boston 11-2	

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182- 3 DELAWARE: ELEC PLANT

Number.	Date.	From or To—	Subject.
370509	11;20	Boston NY Shipment ordered dated Nov. 22 back Dec. 9 Ports. Nov. 22 back 12-9 Dept Ship. order Nov. 30 back Dec. 20	Tel. list cable ergently needed for wk on to Bost. (T) ~~xxxxx~~ Use 700 ft 75,000 CM Cable from stock do not recognize one 175,000 CM size other cable being shipped from various yards L 11/21 R B 12; 2 S&A 11/26 To Norf, Via S&A, Cable for DELAWARE, 11-26 To S&A, rqst shipmt cable Chasn to Boston, 11-30 Bost (T) 11/22 Fwd S&A, 12-5
371327	11-23	To S&A	Reqts shipmt of ten impedance Coils, NY to CO, L To CO- Inform if material recd. 2-17 Shipment order 11;23 R B 2;24
371386	11-23	To Boston,	Authorizes manufacture of Plut Switch for turret officers, L
NSA 1803	4-24	Fwd CO	Reqst is reqstd with info re sizes. L
413173	4-24	To CO	Report on devices installed during last overhaul . L CO - 5/1 CO 5/7
416742	5-10	To Ordnance	1/4 report of elec plant. L-Y
BOSNSA 1802	7/11	To S&A	Rec samples recd fwom Del bef~~w~~d to SO by whom purc will be made for info in con with L

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DELAWARE: ELEC PLANT.

Number.	Date.	From or To—	Subject.	
			1914	
122609	4-13	CO	Reports forwarding copy of elec plans to Norf.L	
126670	6/3	Norf. 3441-419	Tube hoists; submits est.for installing.L Fwd Ord.6/8.	
127326	6/12	CO	Requests authority to turn in 800 lbs. of lead covered copper cable. Not required, not on allowance. L Ret---appd.6/15.	
137076	10-16	To CO	Returns Daily Data Sheet; not required by regulations. L	
			1915	
160261	7/10	Norf	Incidental elec work in connection with gun elevating motor.L To-- Appvs. 7/12	
166599	9/23	CO	Spare parts of obsolete elec.machinery; reqt auth to turn in. L Fwd Nav-- Under its cog. 10/2	
			1916	
197972	8-16	CO	Work necessary to comply with turret board report.L	
199090	9-1	CO	Alterations for fire control, install searchlight feeder connection, etc.L To--Disappvs.9/19	
334233	8/7	To CO	Authorizing electrical alterations on	182-4

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DELAWARE: ELEC PLANT. 182-3

Number.	Date.	From or To—	Subject.	
200774	9-25	JAG	Report of board inquiry on death of SR Cates, elecn. while using defective elec drill repairing grounded battle circuits.L Fwd Dept via M&S--Concurs in opinion of Bd to place rules over ship. 10/12 Fwd Dept via M&S--10/27 RB 11/3 Operations reqt return 11-6 Fwd Dept--Concurs. 11/8	RB 10-23
~~201162~~ 203162	10/19	Norf	& LOUISIANA; changes due to Fire Control Board's report; fwds prints.L ~~C&R reqt return 11-8~~ To Norf--Plans appvd with comment. 11/14 To Norf--Voice tube plan appvd. Fire control tele plan appvd with comment. 11/15	
			1917	
241908	8/1	CO	List of electrical work to be done by ship's force L	
242677	7-27 8-7	Bost NY	Reqt furnish elec drawings; NY states fwded to Norf.L Fwd Norf--8/16	R B 8/27
257388	10/1	CO	Readiness for war service, various electrical instruments, etc incomplete L Fwd Dept via C&R-11-1	
268931	12/11	Bost Personal	Reports on status of electrical worl - Y	
291224	3-22	To CO	Elec Data Report.Reqts information listed. L CO 4/18 - L CO 5-18	

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DELAWARE: ELECTRIC PLANT.

Number.	Date.	From or To—		Subject.
75772	8/14	NN	1949	Record of Electrical Appliances and plans; reports disposition made of same.L Fwd Norf.requests further search be made for Electrical Record.8/19. RB 8-20
76993	8/30	To DELAWARE		Record of Electrical Appliances; aks if two copies are on board; if so, send one to NN. L
	9/1	CO		Only one copy on board.L
				1913
87988	1-17	NY	330-758-2	Incidental elec. work in connection with installing platforms in turrets.L
87990	1-17	NY	330-758-1	Incidental elec. work.L
90518	2/14	NY	330-758-6	Incidental electric work, crew's galley.L
90794	2-19	NY	330-510-3	Estimate for elec.wk connection hull div.L
91761	3/6	N.Acad.		Record of electrical appliances; request additional record for NY yard.L
92224	3-11	Nav Acad		Elec. Appliances; no record of receiving.L To NN.Request trace missing copies 3/13.

N.S.E. Form 134.

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DELAWARE: ELECTRIC PLANT. 182-3

Number.	Date.	From or To—		Subject.
92700	3-17	NN	199	Loss of Record of Elec. Appliances and elec. tracings; have proved delivery to NN Post office and unable to trace further. L Fwd Norf. diredts thorough search. 3/18. RB 5-1
95309	4/16	Norf.		Record of Elec. Appliances; states have not been found, and forwards copies of corres. L
100329	6-24	NY	330-2007-2	Record of elec. appliances; not yet recd. L
107042	9-3 9-9 9-22 10-3	Fleet Nav. Constr At. Flt NY C&R	 330-700-1 27683-E.43	Magazine refrigeration; submits report on with recommendations for improving on vessel and of future installations. D 13
111755	12-1	Norf	3162-419	Reports receipt of finished drawings from NY; Record of Elec. Appliances not received. L To NY. asks when and from whom tracings were received at yard. 12/6
112805	12-12	NY	330-2 07-5	Record of Elec Appliances; reqt plans for. L To CO. asks if Record was received with tracings. 12/17 CO no record of receiving 12-26 CO missing Record of Elec APP found in staterooom Ensing R.W. Lewis. 3-10 To CO. Fwd one copy to Norf. 3/14.
122417	3-22 4-6	CO Norf	 3441-419	Tube shell hoist; incidental elec work. L Fwd Dept. rec appr. 4/15 RB 4 17 appd To-Norf. appd. 4/17. Fwd Ord via C&R. 4/17.

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[OVER.]

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DELAWARE: ELECTRIC PLANT:

FILE No.		From or To— (Dated)		Subject.	
30193	1/24	NN	19-9	Fwds record of elec. appliances and copy of contract; and asks re furnishgin tracings of finished plans.	
34876	3/28	NN	19-9	Elec. appliance book and finished drawings: fwds correspondence rel to. L Fwd Norf. 32622-182-4 directed C.O. to fwd. plans to N.Y. 4/10. R.B. 4/15	
39353	5/22	NY		Estimates for changes in interior communication and lighting systems, due to providing temporary quarters for flag officer, in connection with duty at coronation.	182--8
43536	7/7	NY	330-756-2	Estimate on elec. work recommended by NORTH DAKOTA; range lights, cut out switch in central station for engrg. telegraph. L Fwd Dept via C&R. Rec installation of range light: also on vessels of No. At. Flt. 7/20. RB 8-5 Fwd Dept. Rec no change. 8/12. RB 8-16 Decision, not to be installed on ships now in commission or future design, but to be on those under construction. To NY. Quotes Dept's decision. 8/17.	
47723	3/6 8/28 9/1	C.O. NY C&R	 330-835-3 22082-E.3991	Suggestions re improving ventilation system; estimates for elec. work. D-L. Fwd Dept. appd. 9/6 RB 9-8 a'ppd (see card 182-13)	
				1912	
73962	7/18	NY	330-2007-1	Requests copy of Record of Electrical Appliances. L Fwd Norf. 7/24. RB 8-7 To-NN. reqt disposition 8/12 NY reqt. action 2-12 Fwd Norf. for compliance. 2/19. RB 3-5	

DELAWARE: INT COM SYS:

Number.	Date.	From or To—	Subject.	
523895	10;18	Boston copy	Request instrns relative to reinstallation of 5 inch broadside guns on.L Dept-copy of action to C&R-10;19-L	
524861	10;4 10;21	CO C&R	Report on material readiness.Y	
524849			Fwd Operns 11-1 L	
532649	12;3	Boston T	Request wiring plans for target bearing designators and aux target bearing transmitter.L To Boston Fwsd Vandyke 12-4	
568029	6/10	To Boston	Authorizes installation of auxiliary current supply for Broadside dir to follow the pointer system cc CO DELAWARE NORTH DAKOTA FLORIDA UTAH) C-I-C Atl Fleet Y	206-4
614440	3;13	Dept	Installation of anti aircraft batteries on DELAWARE & NORTH DAKOTA will be held in abeyance.Y C&R-copy of action to Boston-3;18-L	

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E 1920

Number.	Date.	From or To—	Subject.	
638929	8/15 8/23	CO S&A 1922	Indicator for Forbs log not in working order. Fwds corres rel to L To S&A reqst shipment of indicator from CO to Hamp Rds 975 8/29 Fwds CO USS DELAWARE 8/31/22 L cc S&A RB	10/21 L

DELAWARE: INT COM SYSTEM:

Number.	Date.	From or To—	Subject.	
456157	11;5	Dept	DELAWARE & NORTH DAKOTA - Directions for fitting out in accordance with fire control bcards report.L	
459583	11;22	C&R	Copy of letter to Boston giving action on report of Board to recommend changes necessary to put into effect requirements of report of Fire Control Board1919.L	
459889	11-22	Boston	Director gear- Fwds drawings.	L
473875	1;17 2;3½	Boston C&R	Relocation of mast/gyro-compass and removal of bulkhead-fwds prints.L Fwd C&R. 2-10	
474792	1;26	CO	Request install battle tracers to convert same to dead reckoning tracers.L To- Auth granted for conversion of battle tracers' copy to Bat. 5 and ATL FLT.2-16	
502530	7-1	To Ordn	Directorscope Corr System: Fwds vandyke prints of Plan L.	
506184	7-20	To Boston	Gives list of changes reqd by 1919 ship control bd's report for Vessels listed CC CO's DELAWARE-FLORIDA- UTAH C-In-C Atl Fleet 7-20. L cross to 205-4--455-4	

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523895 10;18 Boston copy Request instrns

Number.	Date.	From or To—	Subject.	

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DELAWARE: INT COM SYSTEM 1919 14

Number.	Date.	From or To—	Subject.	
372346	2/17	To CO DRLAWARE	Asks receipt of matrl BL 29056 invoice 514 647-IO	
402757	3;13 3;14	JAG Dept	Submits report of Bd to inquire into fire in conning tower of L Fwd Operations. 3-19	
404193	3;18	Submarine Sig. Co	Fwds. copies of insp. of report on Forbes Log installed on L	
403642	3/18	Phone Boston	Informed Bu that the Turrett Officer's selector switches for use in connection with director firing system had not been received and reqted permission to use in their stead the plug type of switch developed at Boston installed on the DELAWARE. L Bu stated would be satis. L.	308-4
407110	4/1	C&R	Voice tubes - fwds prints - L	
407914	4-4	To DELAWARE	Bu requ report on Sanborn speed recorder L CO Sanborn speed recorder fwds table showing comparative rates 4;24	

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DELAWARE: INT COM SYSTEM

Number.	Date.	From or To—	Subject.	
410974	4; 14	C&R	Copy of let. to CO relative to attention required to gauge masts L	
412443	4;19	C&R	Arrangement of plotting room fwds prt L	
413262	4;3 4;22	The Holtzer Cabot Elect Co S&A	Fwds. bills covering repairs to ships service telephones L	
412617	4/22	C&R	List of voice tubes - fwds print - L	
431211	6/28	Boston	Confirms telephone conversation in connection with time firing device at Boston yard belonging to DELAWARE- asks if can install on 7/24.	388-4
452669	10-17	Dept.	647 Gives action on recommendations of board to put into effect requirements of report of Fire Control Board 1919. fwds report. RB-11-25 Fwd Operations via Navgn. 10-23 Fwd Navgn via Ordnance. 11-29 To Comdt Boston- Lists work apvd by Dept. 11-29 copy to AT: FLT- NORTH DAKOTA-DELAWARE. To IM NY Reqst items listed be undertaken during present repair CC CO 7-13	

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DELAWARE: INT COM SYSTEM 1919 13

Number.	Date.	From or To—	Subject.	
379794	12/19	Boston	Confirms tel conversation stating CO requests telphone extensioj be placed in conning tower in preference W	182-6
383066	1;2	Boston	Confirms telephone conv. in connection with not installing ammunition supply indicator sys L	
383311	1/2	Bost	Confirms telephone conversation asking when loud speaking telephones would be shipped - L	
	force may	install phones when become	To Boston- Advises phones will not be avail	
	available	1-11	for installn during present repair period of the circuits should be run so that ships	
381115	1-10	To Boston	Advises work will not be undertaken re portable fire control leads- for Boston confirms tel. conv. 1;18;19 L	
384933	1-14	To Boston	Re installn of loud speaking telephone system on-	
386027	1;16	Ins. Phila	Confirms phone conv. in connection with installation of sound proof booth on contract in Mazor aconstile Co also installation of booth on Sal Paulo L	

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1919

DELAWARE: INT COM SYSTEM

Number.	Date.	From or To—	Subject.	
389768	1;28	C&R	Copy of telegram to Boston authorizing installation of sanborn speed recorder on L	
390294	1;27	Chadburn Tel. Co	Installation of mechanical engine telegraph satisf. on L	
390491	1;28	Boston	Confirms telephone conv. stating 34 conductor cable will probably have to be used in fire room tel. system L	
51[illegible]	1/28	Boston	Confirms telephone convesn in conn w installatiom of electic fire room telegraph sytwm om DELAWARE	629
392857	2/6	C&R	Copy of telegram to Bost authorizing installation of voice tubes between navigating bridge and interfleet radio room - L	
394766	2/12	CO	Request test and renew as necessary wiring running from conning tower - L	

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DELAWARE: INT COM SYSTEM

Number.	Date.	From or To—	Subject.
346604	9-11	To Boston	Fwds vandyke copy of dwg re wiring diagram of target bearings, target turret and multiple turret indicator systems, L
356171	9;21 10;5	CO At. Fleet Force	Req. overhaul and repair ship service telephones L To CO, req.approved,arrangments being made10-14
360972	10;1	Memo Lt. Howze	Req. for fire room: tel. req. insturments be shipped to Boston instead of NY
372202	11-26	To S&A	Reqts shipmt of soft Rubber Ear Cushions, NY to CO, L RB 2;25 To CO- Inform if material recd. 2-17
372956	11;27	Sub. Sig. Co	Rep material required for repairs to Forbes Log installtion L Fwd. S&A 12-16

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182 - 4: DELAWARE: INT COM SYSTEM.

Number.	Date.	From or To—	Subject.
372784	11-30	To Boston	Re loud speaking telephone system, L-W Boston Dec. 20 To Bost. Re instal. of loud speaking tel. system. 12-28
374953	12-6	To Ford Instrument Co.,	Rqst bearing indicator system be installed on, L Ford Instr. Co details comment on 12:11 To Ford Instr.Co. Reqts. investigation of searchlight gear. 12-17 Fwd. NavOper. 12-17 R B 12:24 To ----Author install. bear.indicat.system on WYOMING 12-30
	Ford Instrument Co - submits report 1/22		
	To- Will install your system on a vessel when same is available. for repair work. 1-28		
374955	12 -7	To Boston	Re bearing indicator system for searchlight & broadside director towers, L Boston Dec. 21 To Bost. Instruct. for install.of Ford system cancelled. 12-30
377071	21-14	To Boston.	Change-in-spot signal systems are author/
377244	12-14	To Boston.	Fwds / vandyke copy of B.Drawingplan of Sperry fire control & range keeper
381115	12;26	Boston	Confirms tel. Cov. in connection with flexible leads fire control telephones L

1918

DELAWARE: INT COM SYS

Number.	Date.	From or To—	Subject.	
299554	4-16	Boston	Cory range and deflection system - confirms telephone conversation relative to shipment of material. L	
302323 -	4/3	CO	Low voltage motor generators for fire control submits information re present and future needs - L To- Upon receipt of new 2 kw generator they should be installed. 5-14	
302013	4/29	Sims Copy	~~7188-1-L-7164 & Delaware--recommends contract~~ with Sperry Co. to install two new gyro compassess--Present installation not satisfactory	205-4
303494	4/26	Del.	Location of Director Scope Towers. L Fwd C&R 5-8	
307274	5-16	Sims 7961	& FLORIDA - request that Sperry Co be furnished with Gyro compass to replace all those installed on. L	
310259	4/20	CO	Request completion of installation of Forbes log and repairs to I C generator - L	

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DELAWARE: INT COM SYS. 182 - 4

Number.	Date.	From or To—	Subject.
309857	4/11 5/23	CO C&R	3 inch hulls for fire control leads - reqst information - L To C O, Authorizing the installation, 5-31
~~2222202~~			
318609	5-26	CO	Request authority to completely remove turret tell tale signals - Also request removal of old danger zone system. L To C O, authorizing removal of turret danger zone and turret tell-tale systems 6-26
325906	7/12	Sims Copy	1073 - installation of Cory range and deflection visuals - switchboards, wire and fittings have not been recd - ask if shipment has been made - L
334233	8-7	To CO 3	Authorizing electrical alterations on L Y
337680	8/12	CO	Request jack box interiors and line plugs for fire control telephone - L
338813	8-21	To CO	Rqst report on ships service telephone switchboard, L
341120	8-27	To CO	~~Rqst comment and recommendation re fire control L CO telegram 9-15 submits information re wiring of Utah type phones~~

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[OVER.]

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DELAWARE: INT COM SYS.

Number.	Date.	From or To—	Subject.	
259055	10/21 11/1	CO Atl Flt	Cory vissual - request new wiring for; also applies WYOMING (Cross to 4) Fwd Ordnance-11-13 R B 11/16 To Boston (T)-Necessary repairs auth. 11-16	
259056	10/31 11/2	CO Atl Flt	Submits list of additional equipment required for UTAH type telephone - L To Boston via S&A- 11-8 R B 11/25 To S&A- Gives change in 4th endorsement. 11-10	
258544	11-9	To CO Comdr Atl Flt " Battleship Div six " 2 Force 2	Installation of Sperry target turret indicators in turret Officer's boot h. necessary wiring auth. L	
260501	11-14	To WYOMING T To DELAWARE T NEW YORK	Ask if new UTAH type telephones been received. L	647-10
262059	11/19	Bost	Asks if two or three indicators for new range and deflection system are reqd - L Fwd Ordnance-12-5 RB 12-17 Fwd-1-4--RB--1/12 To Boston Jan. 25. Not practicable to furnish vandyke. 1-16	
~~264943~~				

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N.S.E. Form 134.

DELAWARE: INT COM SYS. 182 - 4

Number.	Date.	From or To—	Subject.
267696	12/10	Bost	Confirms telephone conversation relative to ~~spaces available for installing Sperry system~~ on the DELAWARE -
273386	11/23 1/12	CO C&R & Ordnance	Reports on readiness for war service relative to installation of Sperry fire control instruments, Cory range and deflection transmitters, etc. To Boston-m Reqts that all material for install of the wiring for Cory range and deflection system be assembled and shipped to Co. Shipt not to be made prior to appvl of plans by bureau. 1-17 Fwd Ordnance- 1-17 To Boston- Inform if necessary material has yet been assembled. 3-7 Boston - Status of delivery of material. L 3-19 To- Has issued shipt order covering transfer of this material, 3-28
278647	2-4	~~Rendxshipt~~ To S&A To Boston(T)-Expedite shipt material covering shipt order of March 27th. 4-3 To NY Via S&A Rqst re shipmt of above 9-30 ToCO, Reqts to Inform of re above, 11-18	Reqt shipt conductor cable from Boston to CO. Sims copy - #5909 - Request material be expedited. L 4-2 Bost (T) will ship 4/6 - 4/5 D
280857	2-9	Boston	Asks when Forbes ship logs will be available for installing on vessel at yard. Have no authority for. 665-2
296973	4/13	To Bost	Broadside director system. Directs assemble all necessary material, and notify Bu. L ~~Boston - Gives list of material ready-L 5/26~~ ~~To S&A Rqst shipmt Director material from Boston to C O, 6-4~~ To S&A Rqst inform re shipmt of above 9-20 ToCO, comments on re above, 11-16

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[OVER.]

DELAWARE: INT COM SYS. 1917

Number.	Date.	From or To—	Subject.	
238295	7/5	CO	Temporary director firing circuit in tops L	
239131	7-3	DELAWARE	Fire control telephone circuits; rec changes to duplicate fore top and main top fittings	647-10
245287	8/23	To Bost NY	Fwds Vandyke print showing wiring diagram, target bearing, target turret and multiple turret indicator systems. L To NY—Ditto for NEW YORK & TEXAS. 8/23 To NY—Fwds Vandyke.8/30 To—Fwds Vandyke showing wiring diagram of target bearing, etc. 9/4	
59-W	9/1	S&A	Relative to shipment from Norf to TONOPAH and DELAWARE of indicator panels.	629
248552	9/10	Bost	Target bearing, target turret and multiple turret indicator system - fwds prints - L	
	Boston-Fwds print.10/13.L			
	To- Reqts changes be made in plans in accordance with instructions.		To- Plans appvd subject to revision. 9-20 of letter Sent. 20th. 11-10	
59	9/12	To DELAWARE	Ask if certain indicator lights are on board vessel.	629
	To- Fwds plans. 11-17			
39 W	9/18	DELAWARE	Indicator panels and director indicator shipped from Norf to TONOPAH and DELAWARE; have no name plate data/	629

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DELAWARE: INT COM SYS - 182 - 4

Number.	Date.	From or To—	Subject.	
251358	9/24	Bost	Director firing system; alterations to - L To--Instrns re preparing plans.10/9	
252810	10/4	Holser-Cabot Co T	Reqst shipping instrns for UTAH type telephones L To- (T)- Bureau has arranged ~~[illegible]~~ S&A to have new UTAH type tele- with phones delivered to supply officerNY. 10-5	
59	10/6	Fwd DELAWARE	Indicator panels and director indicator Lists required installation,and asks if installed according with.	629
253079	10/6	To Bost	Range and dalection systm. Reqt ests and plans covering proposed installations. LN	
254897	10-15	Ord	& WYOMING: Cory visual range instrument Will be delivered Jan 15th, 1918.L To NY- Inform if work can be performed by a traveling working party. 10-17 To Boston- Reqts fwd estimates and plans.	10-20
256852	10/23	Bost	Confirms telephone conversationrelative to range and deflection instruments Sperry target turret indicators in turret officers booth - L	
258092	11-2	To Boston	Installation target bearing,target turret and multiple turret system. Directs form travelling working party to undertake necessary fire control installation on vessels ~~basing~~ basing their. L	

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1916

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DELAWARE: INT COM SYS.

Number.	Date.	From or To—	Subject.
203563	10-24	Norf	Director firing system; plan.L
203777	10-27	Norf	Fire control changes due to installing anti air craft guns.L To C&R--Rec appvl of Norf recommendations. Reqt to know action taken. 10/30 To--Bu will appv changes. 10/31 C&R arrft appvd 11-6
	Fwd C&R--1/5 To CO--Disappvs reqt for special tele outlet on range finder tele		cir. 12/4
204276	11-1	Norf	Changes due to fire control report; plan.L To--Plan appvd with comment. 11/8 To C&R--Fwds blue print for comment. 11/8 RB 11/17 CO Voice tube plotting room; offers suggestions for installation 11-11 CO ditto for fire control tels 11-11 To CO--Comments on. 11/17 Fwd C&R--Rec center line bulkhead be omitted. 11/20 RB 11-25 CO reqt reconsideration 11-21
		To CO--Disappvs requt for reconsideration. 11/23 C&R copy of instrns Norf re voice tubes 11/24 CO difficulties of communication plotting room to target bearing transmitter operator 11/28 Fwd C&R--Noted. 12/1 C&R plans plotting room 12-28	
205517	11/17	To Atl Flt	Request comment and recommendation for providing fire control telephone circuit for use of Directorscope operator; DELAWARE has scheme for such an installation 647-10
206374	11-23	Norf R	Turret local fire control panel; request authority to modify drawing 2597-L. L To--Reqt disappvd. 11/25
206364	11-27	Norf	Director firing system; fwds estimates.L To--Appvs est. 11/29
208252	11/28 12/11 To--Quotes comments of Atl Flt--1/4	CO Flt	Fire control phone circuits; alterations necessary to conform to fire control board's report.L Fwd Atl Flt--Comments on. 12/19 RB 1-2 Atl Flt fwds report from WYOMING on fire control telephone circuits for director firing 12/28

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DELAWARE: INT COM SYS. 182-4

Number.	Date.	From or To—	Subject.	
209316	12-18	Norf	Plotting romm; changes in; plan.L	
			1917	
215723	2-20	Norf	Fire control changes;plan.L	
215486	3/21	To Bost	Appvs est covering install on.	647-1
220027	3-27	Norf	Engine revolution telegraph system; motor type; fwds plan.L To--Plans appvd.4/4	
222390	4-11	Bost	Directorscope; asks if instruments have been ordered and probable date of delivery. L To--Under Bu SE. 4/17	
227602	4/23	CO	Alterations to gun firing circuits L Fwd Ord--For comment.5/14 RB 5-22 Fwd Bost via NY--5/26--9/20 CO - request action 6/5 L To--Gives action.6/13 NY - States correspondence and prints fwd to Bureau on the 8th inst 6/15 L NY fwds prints 6/8 To NY--Plan appvd.6/29 To Bost--Directs transfer job order to NY. 8/14	

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[OVER.]

DELAWARE: INT: COM: SYS:

1016

Number.	Date.	From or To—	Subject.
193967	7-19	To S&A.	Reqt shipment two shaft revolution indicators from NY to Norf for. L
195160	7/27	Norf	Director firing system; fwds plan.L
195399	8-3	To CO.	Survey #10; telephones; lists invoice prices for. L-Y
195524	8/3	Norf	Shaft revolution indicators are at yard awaiting arrival of vessel; requisition cancelled.L
196157	8/8	Norf	Fire control changes; fwds plan.L To-- Appvs with modi. 8/15
	8-17	To Norf. (R)	Reqn 111; cancelled; requirement re portable fire control leads cancelled. L-R
197475	8-24	TO Norf	& UTAH; engine revolution telegraph sys; re installing motor type; L Norf est 9-15 To -- Revise estimate to include cost of new instruments. 9/21
198405	8-24 To Norf--Will appv switchboard with all extras. 10/5	CO	Alterations fire control switchboard.L To Norf--Gives procedure for preparing plans.9/22 To CO--Fwds copy above.9/22 Norf fwds plan 9-29
198807	8-31	CO	Reqt master control switch for controlling gun firing and ready light circuits be installed in each turret.L To--Bu has already auth installation.9/14

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N.S.E. Form 134.

DELAWARE: INT COM STS. 182-4

Number.	Date.	From or To—	Subject.
199089	8-31	CO	Install distant turret ready light system.L To Atl Flt--Disappvs alteration. 9/18
199788	9-18	Norf	Fire control changes; plans.L
200297	9-12 9-22	Norf C&R	Voice tube changes; fire control; plans.L Fwd C&R--Bu appvs matters under its cognizance. 9/28
201331	10-4	CO	Plotting room; objects to installation of tick tack revolution counters in lieu of speed indicators requested.L To--Does not contemplate furnishing speed indicators. Will install tick tack. 10/16
201486	10/7 To Dept--Reqt auth to make change. 10/28 RB appd 1 0/31 To--Work auth. 11/14	Norf	& UTAH; engine revolution telegraph system; estimate for installing motor type.L To--Ask for revised estimates. 10/21 Norf 10-25
201561	10-7	Norf	& LA; fwds print showing changes made in fire control.L
201658	10-9	Norf	Torp defence voice tube; fwds schedules showing changes ~~condensers~~desired.L Fwd C&R--10/11 RB 10-14 Norf (T) reqt action 10-12 ~~RB 10-17~~ Fwd C&R--Rec install of tees. 10/12 RB 10/17
201814	10-10	Norf	Bells for main engine gongs in central station; estimate.L. To--Est disappvd. 10/17
25853344	10/21	??	Target turret indicator in turret officers booth. Request .L

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DELAWARE: INT COM SYS.

1915

Number.	Date.	From or To—	Subject.
159958	7-7	Norf	Additional estimate for installation duplicate master compass. L To-- Appvs. 7/9
160396	7-13	To CO.	Fire control telephones reported in material survey; asks why this material failed to withstand the service to which it was subjected; gives items of survey disappvd. L CO 8-18
160646	7-14	To Norf.	Turret telltale system; reqn 58; gives proposed arrangement of; reqt comment on. L Norf 7/26 To CO--Asks what motor generators installed on. 8/2 CO submits list of generators on board 8/9 Fwd CO 8-12 RB 8/26
163139	8/10	Norf	Duplicate gyro compass; fwds vandyke of installation. L
172467	11-2	Norf	Director firing system; fwds plan and estimate. L To--Disappvs. 12/3

1916

Number.	Date.	From or To—	Subject.
176768	1-20	Norf	Director firing system. L To--Reqt further data on. 2/4 Fwd Ord--For comment. 2/26 RB 3/15 Fwd Norf--Fwds appvd plans; reqt. est. 3/18 RB 5/9 To--Appvs plan and estimate. 5/17
179263	2-15	Norf	Director firinging; fwds plan. D
183573	3-23 4-3	CO C&R	Alterations to plotting room. L Fwd C&R Via Ord--For comment. 4/12 RB 5/12 Fwd C&R Via Ord--Rec appvl. 5/22

N.S.E. Form 134.

DELAWARE: INT COM SYS. 182-4

Number.	Date.	From or To—	Subject.
184154	4-2	CO	Location of torp defence station.L
184175	4-3	CO	Request work be undertaken to torpedo defence installation.L To-- Gives action on. 4/14
184908	4-8	CO	Reqt additional instruments for plotting room.L Fwd Ord-- 4/19 RB 4/22 To--Reqt further information on.4/19 Norf no ticktack indicators in store 4-22 To Norf--Have reqtd shipment of indicators from NY for. 5/5 To S&A--Reqt for shipment. 5/5
189525	5-31	C&R	Request SE auth work in connection with re-arrgt plotting room.L To Norf--Authorizes changes. 6/3 To--SE work authorized. 6/3
191872	6-26	Norf	Recommends installing entirely new and separate fire control telephone system instead of utilizing present. L To--Appvs. 6/29
192764 Fwd S&A	7/6 8/21	Norf	Changes due to fire control board report.L To--Comments on. 7/8 Norf will submit reqn for elec shaft speed indicators; Cory Type; CO states present type unsat 7/13 To--Will ship two from NY. 7/19 Norf reqt reqn 89 be cancelled 8-3
193004	7-1 7-7	Norf C&R	Changes in voice tube due to fire control board report.L Fwd C&R--Appvs changes with modi. 7/14

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1914

DELAWARE: INT.COM.SYS.

Number.	Date.	From or To—	Subject.	
123975	4-23 5-1 5-2	CO C&R 27681-56 Ord	Portable voice tubes for individual gun control.L Ret C&R.comments and rec.5/7.	
124304	5-5	Norf 3122-419	Turret telephone system; fwds prints of changes proposed.L	
124455	5-7	H-C Co.	Copy f letter notifying of shipment of fire control telephones L	
124914	5/12	CO	Modification of telephone by Holtzer-Cabot Co. Carrying spares on board unnecessary.L To---have orderee sic spare sets on recn.5/16.	
124937	5/15	Ord	Long base range finder (Sperry Gyroscopic Co) Request authority to install electrical wiring on the DELAWARE for test of	647-12
127359	6/12	Norf. 3528-419	Long-distance range finder; request data re installing.L To---quotes information furnished by Ordnance.6/22.	
128063	6/22	Ord.	Fwds print of long-base range finder to be installed.L To Norf.Fwds print.6/25. To---recst tracing or vandyke of.6/25. ~~NY have only one get plans on file 7-2~~ Ord fwds print 7-3	

N.S.E. Form 134.

DELAWARE: INT COM. SYS. 182-4

Number.	Date.	From or To—		Subject.	
133802	8-25	CO		Reqt 20 volt storage battery for use fire control and ships service circuits.L TO CO will not furnish 9-8	
139908	11-9 11-16	CO C&R	27684-E.56	Portable voice tubing for individual gun control: Reqt.L Fwd C&R 11/19	
142705	12-17	Norf	3811-419	& NORTH DAKOTA: duplicate master compass; submits plan and estimate for installing.L Fwd Nav via C&R-- 12/26 Fwd Norf--Appvs for work under cog. 1/20 Fwd Nav-- 2/4 To--Gives Nav's action. 2/15	
143108 VOID	12-26	Brook		L-9-10-11; motor test records; fwds.S.	
143070	12-21	Norf	3538-419	Hand base range finder; print and est.L Fwd Ord-- 1/4 To-- Appvs. 1/14	
152802	2/18	CO		Alterations to fire control circuits; separate generators for turret tell tales; call bells for upper bridge, quarter deck.L Fwd Bd I&S-- 4/21 RB 5/6	
158052	6-15	Norf	3155-419	Install visual system in 12 turrets.L Fwd Ord--For comment and rec. 6/17 RB 6/21 Fwd Norf-- 6/23 RB 6/28	
159352	6-30	Navgn		Duplicate gyro compass to be in talled as soon after July 1, as practicable.L Fwd Norf-- Noted. 7/6	

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Number.	Date.	From or To—	Subject.	
88564	1/22	NY	Recommends holding up work on alterations to steam line to dynamo, and install gyro range finder.	182--8
90370	2/6	NY	Percentage of completion installing combined conning and fire control tower.L Fwd C&R via Ord.2/19.	
90672	2-17	NY 330-758-7	Move mechanical telegraph incidental to Hull work. Y	
92683	3-5 3-17	NY 330-749-1 Comdt	Elec. work in connection installing Gyro range finders.L.	
93082	3-21	Ord	Reqt. wire for target bearing transmitter in fire control tower and plotting indicator in sub;central station.L. To-- work authd. 3/26	
93377	3/20	NY 330-655-1	Turret traingin indicator and multiple turret indicator; submits revised estimate.L	
102227	7-9 7-22	CO NY 330-735-4	Report on work perfromed by Yard; circuits in Gyro compass repeaters, short; and uncompleted turret contact indicators.L Fwd Nav.7/26. RB 8-7 Ret CO.8/11 RB	8-26
110458	11/15	To Holtzer Cabot Co.	Cont. 162, changes to telephones of, aks when will be prepared to changes, etc	717

N.S.E. Form 134.

DELAWARE: INT.COM.SYS.?182-4

Number.	Date.	From or To—		Subject.
113283	12-12	CO		Fire control and ships service telephones; reqt plans and specns.L To---Pamphlet #1773 being reprinted; copies will be furnished.12/30.
			1914	
113134 VOID	1-5	Norf	R	Reports on work done to stbd p
120061	3-13	Norf	3122-419	Fwds print showing fire control tel circuit for turret officers.L TO---ret prints; request further information.3/20.
120731	3-24	Norf	3155-419	Reqt authority to put cophite brushes on transmitters Danger zone system; fwds corres from Nat Carbon Co quoting prices L To---appd.3/26.
121200	3/31	To CO via S&A		Change in types of fire control telephones; instructions for shipment to H-C Co.; fwds formw.L CO 2/17 lists telephones sent H-C Co.L
122853	4-18	Norf	3122-419	Fwds print of present arrgt fire control telephone panel in connection with telephones for turret officers. L Fwd Dept--rec.4/22 To---appd except as specified.4/28.
123267	4/22	H-C Co.		Fwds copy of letter acknowledging receipt of fire control telephone.L RB4 28 app d

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[OVER.]

DELAWARE: INT:COM:SYS:

Number.	Date.	From or To—		Subject.	
49659	9/25	Ft.Wayne Elec.Wks		motor generators; comments on condition and submits print showing changes recommended.L Ref. N.Y. regs. recomd. for rectifying ddefects 9/29 RB 10-7. Fwd NY.Rewinding spare armature appd. Also appd for No. Dakota and Michigan.10/9. RB 12-27	
49532	9/26	Dept		& GEORGIA: fwds report on behaiver of fire control voice tubes, etc during target practice	215--4
46762		SEE CARD 2.		Salvo motor generator. Fwd Norf.10/9. RB 11-18 Fwd NY-12/9.RB 12-18	
54058	11/20	C&R	22082-503	Fwds corres. from NC, NY, and print as to re-arrangement of voice tubes due to change in searchlight platform. L Ret-Rec. new voice tubes.12/6. RB 12-12 Ret-Comments.12/12.	
55208	12/2 12/4	NY C&R	22082-E.517	Re arrangement of voice tubes due to change in searchlight platforms.L Ret C&R-12/6.	
				1912	
58042	1/8	C&R	22082-E.528	& NORTH DAKOTA: Fwds plans showing changes made in fir control and voice tubes.L	
61972	10-13	NY	330-665-4	Gyro compass; estimates for wiring.L. Gyro range finder and turret indicator system.	182-5
70394	6-5	TO CO		Reqt list of fire control tebephones as present installed. In connestion with ships reqn. 31. L	

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N.S.E. Form 134.

DELAWARE: INT.COM.SYS. 182-4

Number.	Date.	From or To—		Subject.	
70968	6-10	CO		Gives list of fire control telephones on board.L	
72269	6-26	NY	330-595-9	& NORTH DAKOTA: estimates for modifying fire control tower and conning. L To---appd.6/29.	
79225	9-28	NY	330-630-5	Salvo firing motor generator set; estimate for change in connection with providing suitbale rheostat.L.	
81735	11-4	Dept	28024-42	Installation of new conning and fire control tower; directs estimate be submitted.L.	
83809	11/29	Dept		Combined fire control and conning towers, to be installed.	647--11
83977	11-27 12-2	Dept C&R	27684-E.11	New conning and fire control tower; Dept. authorizes installation present overhaul period; limit Mch.31st. L To NY.Instructions.12/4. Fwd Ord.12/4.	
84298	11/7	C.O.		Alterations, to include new fire control and conning tower.	182--8
85124	12-12 12-14	NY Dept	Comdt 52-26	Estimates can complete installation conning and fire control tower by March 31.L Fwd C&R via Ord.12/17.	

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DELAWARE INTERIOR COMMUNICATION SYSTEM

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FILE No.		From or To— (Dated)	Subject.	
37146	4/20	C.O.	Reqt. authority to turn in Cory's telephone switchboard at NY as Holtzer-Cabot outfit has been installed and gives good results. L To -- Auth. granted. 4/28.	
37210	4/24	C.O.	Reqt. more complete system of voice tube call bells between steering room, central station, conning tower, and bridge. L. Fwd NY apprd 4/28.	
37835	5/2	C.O.	Reports on number, make and type of fire control telephones. L	
40211	5/12 5/24 6/2	C.O. NY 252-36 C&R	Reqt. repairs under C&R; recommends speaking tube from Bridge deck to stbd quarter deck. L Fwd Dept. Rec disappr item 5. 6/5. RB 6-7 appd Ret C&R. Noted 6/8.	
40361	6/1 6/3	C.O. NY 330-670-42	Reqt. authority to turn in certain fire control telephone, and switchboard, which have been replaced by other material. L Ret C.O. via NY. Turning in auth. 6/6. RB 7-16	
44443	7/21	C.O.	Reports non receipt of revolution indicator for engineroom. L.	
46762	8/15	C.O.	Reports salvo motor generator; recommends removal and 1 kw generator be installed in place of. L To---Reqst number of reqn on which generator was obtained. 8/26. To Ft. Wayne - re defect 9/11 To Ft. Wayne reqs. reply 9/25 ref. N.Y. 9/29 RB 10-7	CARD 3
47529	8/29	C.O.	Motor generators; referred to in letter Aug. 15; gives source of supply, etc. L	

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DELAWARE; INTERIOR COMMUNICATION SYSTEM:

FILE No.	From or To— (Dated)	Subject.	
29029 1/12	Sub-target Gun Co	Engine tlegraph system; fwds prints of vibrating bell To -- Type satisfactory. Ref C.O. 1/16. R.B.1/23 CO. - Revolution signal and indicator not recd.6/18	
29372 1/11	C.O.	Reports completion of ships telephone service; Holtzer Cabot type, by ships force and reports on operation of. Ret --(2-page endorsement)1/26. R.B.1/30	
29428 1/16	Norf. 1671-866	Engine telegraph system; reports shortage in delivery Ret -- via S&A. To Sub-Target Gun Co. Reduction of $2 for non-del.of switch 1/20.	
29409 1-20	Fwd DELAWARE	Holtzer-Cabot Co., re cont.127,reqn.160,NSA. 323--4 for telephone equipment for OHIO/ Fwd for comment and comparison of switch-boards.	
30427 1/30	Elec. SpeedometerCo	States are repairing elec. tachometer and will make shipment about end of week. To -- shipmt desired to N.Y.Yd 1/31.	
32622 2/27	NY Yd 330-926-1	Reqt. drawings of wiring plans required in connection with fire control installation be forwarded. L Fwd Norf. reqst finished plans be fwd to NY and Bu.3/1. R.B.3/18. Fwd C.O. for information. 3/22. RB 5-2 Reqt. action. L. 4/19 To C.O.Reqst reply.4/22. Ret -- Advising of action.4/22. RB 4-29	See below.
32719 2/25 3/1	Elec.Speedometer Co NY Yd	Re shipping instructions for turbo gen tachometer repaired. L Ref. N.Y. hold for ship 1/3	
32622	See above.	Fwd NY.5/4. RB 5-10	

DELAWARE LIGHT AND POWER 1921

Number.	Date.	From or To—	Subject.	
600143	11/29 12/12	CO Boston	Request install pedestal thrust on main generators. L To CO--Gives Action cc Boston NY 12/28 CO DELAWARE 1/5 L	
		1922		
615839	3/7 3/28	CO Dept	Request renew cells of Edison storage batteries engine room auxiliary lighting.	L
615840	3/28	Dept	Copy of letter to Boston making vessel available for repairs to thermo galvanometer L	
615841	3/7 3/28	CO Dept	Request calibrate Watt meters. L	
620694	3/7	CO	Rewind 300 Kw armature. L	

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182-5

Number.	Date.	From or To—	Subject.
620917	4/26	Boston	& NORTH DAKOTA Submits estimates covg outstanding repairs to generator armature, & name switch board po er panel L To Boston- Reports repairs 5/3 L cc DELAware, NORTH DAKOTA.
642870	9/28	To CO	Annual report of Electric plant data returns report L CO 10/13 Fwds annual report elec plant data L

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[OVER.]

DELAWARE: LIGHT & POWER.

1919

Number.	Date.	From or To—	Subject.
398787	2/28	Bost	Asks when deliver of 24 inch searchlights will be made.L To Boston- Searchlights being shipped from Arma Eng. CO and every effor being ade to have them reach the Ship by March 10th at NY.L 3-6
404249	2;26 3;13	CO Bat Ship Force #2	Recommendation in connection with strg. bat. installation on L
67 407609	4-3	To CO	British signalling searchlights. Reqts give information as to how they were operated with recommendations. L CO reports on British signalling searchlight req. plans for 4;22 L CO recommends against Siems Bros: British signalling searchlights 4/22 (cross to708)
417123	5-10	To CO C	Motor for No. 3 three ton ice machine. L CO 5/28 To CO- Spares should be obtained by reqn hot in excess, on home yard. 6-6 copy to Comdt Boston. 6-6

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N.S.E. Form 134.

182 - 5 DELAWARE: ELEC LIGHT & POWER: 1919

Number.	Date.	From or To—		Subject.	
437498	8-11	To CO		Location of Storage Batteries. Advise of all battery locations. L CO-fwds form showing data reqd. 8;20	
457246	10/29 11/20	Atl Flt C&R		Installation of Evershed searchlight director system and Chadburn searchlight controlling gears- recommends definite action be given-L	205-4
503935	7/7	C&R		Copy of telegram to Boston authorizing instln of Evershed Chadburn schlight control system on DELAWARE. L	708
507701	7;26	C&R		Copy of letter to Boston in connection with strengthening mast and performance of work installation of Evershed & Chadbourne gear. L	
520770	10;2	C&R		Reqt auth incidental work in connection with installation of addtl boiler. L To Boston work authd cc C&R- CO 10-9	
536237	12/22	Boston	T	Request three transfer switches for UTAH and DELAWARE be shipped at once. L	455-5

DELAWARE: LIGHT & POWER

Number.	Date.	From or To—	Subject.	
314473	6-10	To C O	Rqst report of status of work on conversions of high power searchlights, L CO - parts have not been recd - 7/3 To CO, re conversion to High Power Contract, and shipmt of same 7-24 Phone Inspr Sperry, re shipmt of above 7-24	
314471	6-10	To C O	Rqst inform re any portable 36" searchlights on board ship, L CO - 7/3	
345743	9-7	To CO (T)	Contemplating shipmt of submersible pump motor generators to USS ARKANSAS L 5	
345388	9/10	To CO DELAWARE	Bu has rqsted shipt of submersible pump motor generator from DELAWARE to ARKANSAS	787-1
373845	11-30	Inspr. GE 9	Aks for factory inspection on turbine spares is desired	S
34427	11/21	USS DELAWARE.	Switches received.	629

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N.S.E. Form 134.

DELAWARE: LIGHT & POWER

Number.	Date.	From or To—	Subject.	
374955	12/7	To Boston.	Re bearing indicator system for searchlight and broadside director towers. L.	182-4
			1919	
383310	1/2/19	Bost	Confirms telephone conversation in connection with rewiring of lighting circuit in handling rooms 2-3-4. To- Renewal of circuit may be made. 1-17	
385008	1-14	To Boston T Joint	Re Inspection Report-	
388728	1;23	Boston	Confirms telephone conv. relative to instruments of lights in radio room L	
392974 5	2-10 3;3	To S&A Boston	Reqt shipt searchlights carbons from Phila to Boston. L. Phone S.O. Phila- 2-10 Phone Bost n. 2-10 S&A 6/9- Searchlight carbons on shpmt -	
396997	2/20	GE	Fwds copy of letter from GE Co in connection with Chasn Yd securing time limit attachment for circuit breakers, types listed - L. To GE- Will take up changes in circuit with Comdt Boston Yd. 2-26	

To Comdt Boston- When GE has developed satis overload breaker, circuti breakers will be replaced. 2-27

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DELAWARE: LIGHT & POWER.

1916

Number.	Date.	From or To—	Subject.	
207991	12-6	CO	Request authority to turn in storage battery panels that have been replaced by Edison bat.L To via Norf--Disappvs reqt. 12/9RB 12-16 Fwd Ord--12/23 RB 2-7 To Ord--Reqt reply. 1/23 RB 1-26	
207992	12-8	Norf	Reports efforts made to secure contact makers for use with Franklin life buoys.L Fwd C&R--12/9	
485 W	2/5	Norf	Requests transfer of 5 storage batteries.S	

1917

210290	12-30	Norf	Illuminating outfit; estimate and plan.L To--Appvs plan with modif. 1/8	
210427	12-30	Norf	Auxiliary lighting system; fwds plan.L	
Norf 891	1/12	To Norf	Brushes for 300 kilowatt turbo generators. Reqn appvd in favor of Gen Elec Co. LR To Gen Elec Co--Reqn appvd. 1/12	
212592	1/24	Norf	Searchlight mechanical controls; old controls reinstalled on account of delay in completing; will ship new ones via LEBANON, Feb 3.L	
186021	3/21	To CO	Directs removal of battery and replace same outside of ammunition compartments.	675
306912	4/18	Dept	NY - T- Material for range and deflection sytem Shipt Norf 5/29. L 6/5	182-8

N.S.E. Form 134.

DELAWARE: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
230882	5/17	CO	Request authority to turn in arc lights L To--Grants auth.5/31	
245429	8/22	CO	Reports receipt of storage batteries - asks for what purpose intended L To--(T)Will be installed by ships force. To Bost--(T) Directs check system.8/25	8/25
485 W	9/6	Norf	Reports receipt of 5 storage batteries,3 of which issued to DELAWARE, FLORIDA and UTAH; request instructions relative to disposition of remainder.	629
257835	11-1	To Norf	Aux.lighting Charging panel. Reqts espedite delivery of. L Norf - panel ready for shipment Dec 15th 11/7 L Fwd CO-11-12 Rb 12-26	
275037	2-18	Boston.	Vir.& DELAWARE CLASS. Battery charging panels. Reqt fwd preferred plan. L.	607.
305549	5-10	Sims copy 7726 IL 7688	Requests 2 Navy standard bake ovens be shipt.	
310258	5/20	CO	Generator No. 3 - reginding of -- L -	

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DELAWARE: LIGHT & POWER:

1916

5

Number.	Date.	From or To—	Subject.	
185601	4-24	To Norf. (R)	& NORTH DAKOTA-FLORIDA-UTAH: reqt information location battery charging station auxiliary lighting batteris for engine romm circuit and turret batteries. L	
185745	4-24	Norf	Location of batteries for auxiliary lighting.L	
185599	4-26	NY R	Re location of c arging station for auxilkary lighting	121-5
186002	4-26	Norf	& NORTH DAKOTA: FLORIDA: UTAH. request location of charging panels for auxiliary lighting.L	
186719	5/1	Norf	Aux lighting; fwds prints and estimate.L To--Appvs. 5/11	
188996	5-25	To CO.	Battery charging panel; asks type of battery now installed. L CO fwds sketch 6-5	
189513	6-1	TO CO	Battery charging panel; asks type installed.L	
191157	6/16	Norf	Searchlights; mechanical control; fwds plans; calls attention to defects in working of old design; recommends purchase of 16 Gray & Pryor Universal joints, installation to be made on DELAWARE and LOUISIANA	708

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N.S.E. Form 134.

DELAWARE: LIGHT & POWER. 182-5

Number.	Date.	From or To—	Subject.
191999	6-22	Norf	Searchlights; for torp defence; print showing location.L To-- Appvs. 6/30
200619	9-27	C&R	Searchlight platforms; fwds plan.L Fwd C&R—Proposed locations satis with slight modifications.10/5
203226	10/16 10/20	CO Norf	Request relocation of searchlights.L To Norf--(T) Install with axes at 45 degrees. 10/25
203377	10-21	C&R	Searchlight platform; fwds plan L Fwd C&R--Rec of Norf are rec for appvl.11/2
203428	10-23	Norf	Auxiliary lighting; officers of vessel request change in relays fire and eng rooms.L To--Modifi appvd. 11/16
204841	11-3	CO	Gen set; rebabbit bearings.L
205308	11-3	CO	Gen sets; repair bearings.L
206366	10-27 11-22	CO Norf	Auxiliary lighting system; submits estimate for auxiliary relay switches.L To Norf--Appvs est. 12/2

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1914

DELAWARE. LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
124152	3-27 4-17 4-30	CO At Flt Dept	Turret turning gears; makes adverse report on the Cutler Hammer control. L Fwd Ord.5/6.	
130144	7/9	NORTH DAKOTA	Covers for spare armatures; reports placed on board MARS	321-5
133606	9-5	To CO	Req report relative to the operation of the mechanical searchlight control recently installed on the ship. L To Norf-- Req vandyke prints relating to the distant mechanical control for the searchlights for the Delaware. L CO reports on; superior to elec control 9-28 To Norf-- Fwds copy report. 10/10	
134705	9-16	Norf	Mechanical searchlight control; vandyke. L	
138864	11/5	Norf	NEW ORLEANS; mechanic al searchlight; submits price for modification to type installed on DELAWARE	314-5
143865	1/7	To DELAWARE	Survey of 24 Hubbell lanterns; reqt information re defects developed in	675-7
152074	4/8	DELAWARE	Favorable report on steering light	675-6
152801	2/28	CO	Searchlight mirrors; states those resilvered at Norf proven unsatisfactory.L To Via Norf--Ship to NY for resilvering.4/21 To S&A-- Reqt for shipment. 4/21	

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N.S.E. Form 134.

DELAWARE: LIGHT & POWER 182-5

Number.	Date.	From or To—	Subject.
157731	6-4 6-12	CO Norf	Misc elec repairs. To Norf-- Appvs. 6/14
170450	11-4	CO	Gives reasons why spare armatures should be stored at ships home yards in lieu of on board.L Fwd Norf Via CO--Inadvisable to carry on board vessel. 11/9 RB 11/19
174549	12/21	Norf	& NORTH DAKOTA; auxiliary lighting; recommends installing shock proof type lamps in turrets .L To--Fwds print of. 12/28
			1916
176388	1-15	Norf	Submits estimate for installin new feeder for paint mixing machine; Sketches. Y Fwd C&R--For comment. 1/20 RB 1/25 To--Appvs est. 1/25
178812	2-14	To Norf.	& NORTH DAKOTA. illuminating set; fwds prints of. L
179792	2-21	Norf	NORTH DAKOTA: auxiliary lights; plans; and estimates.L To--Appvs. 3/7 Norf 3-18 circular Feb 17 not recd 3-18
	To Norf--Work installation of NORTH DAKOTA will be transferred to Phila. 3/28		
180834	3-3	Norf	Illuminating sets; fwds plan. L
183235	3-28	Norf	& NORTH DAKOTA: auxiliary lighting; fwds plans.L
185513	4/22	Norf	No 36" searchlights in store; reqt authority to resilver lights for DELAWARE and FLORIDA 708

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DELAWARE: LIGHT & POWER SYSTEM.

1912

Number.	Date.	From or To—		Subject.	
67764	4-18 5-2	CO NY	330-795-2	Reqt. authrotiy to turn in old starting panel. L Ret NY.for further information.5/4.	5-11
68087	4-26 5-6	CO NY		NORTH DAKOTA: night signal sets; recommends no alterations be made in.L. To NY.No change should be made.5/8.	
76523	7/27	CO		Fwds drawing showing modified semaphore; recommenda adoption on Navy Standard sets.L Fwd C&R 7/31	
77683	8-30	NY	330-580-6	Changes in piping to dynamo plant and re-arrangement of dynamo room; prints with comments. L.	182-15
80678	10-17 10-18	CO NY	330-756-3	Re-wire after distribution boards; caused by circuits being destroyed by fire due to short circuit; Yard states will conduct test to eliminate short circuit ng of switchboards.L	
				1913	
88102	1/18	NY		Estimate, alter lights in turrets, etc.	182--8
89405	2-3	CO		Asls if reqn. shall be submitted for new night signal set. Continental code.L To---Instrns provide for return to ship when changes have been erected.2/8.	

N.S.E. Form 134.

DELAWARE: LIGHT & POWER 182-5

1913

Number.	Date.	From or To—	Subject.
105761	9-15	S&A To Ord. Fwds prints, 11/20. To S&A. nec for Treas. Dept. to approximate amount business for remainder fiscal year. 12/12	Lamps for; invites attention to excessive price quoted by Westinghouse Co. L To- 9/18 To-C.O. asks why special lamps required 9/19 To--C.O.- reqt reply 9/26 Fwd S&A- action deferred 9/29 CO lamps required for use in Sperry Gyro Compass repeaters. 9-29 To Ord. via Nav and C&R. re making standard. 10/8 Fwd Nav. 10/8 RB 10 15 Fwd NY for comment 10-16 RB 10 25 S&A reqt. action 11-4 Fwd S&A. rec purchase of 1000 Minature mmazda. 11/7 To---rec made in 7th endorsement even date. 11/7 S&A unable to secure from annual cont 11-28
109210	10/30	C.O. VOID	Switch for searchlight, feeder mains on bridge etc 182--8
		1914	
115010	1-7	Norf	Turrets; power wiring; reqt. plans. L To---plans not required. 1/16
118747	2-25	Norf	Mechanical searchlight control; estimate for manufacturing for 8 lights. L Fwd Dept. rec appr. 3/3. RB 3 6 appd To Norf. mfr and installation appd. 3/6.
123542	4-24	CO	Reqt authority to turn in parts for distant control for searchlights. L Ret---appd. 4/28. RB 5 6
123596	4-23	CO	Blinker lights; reqts; reqt additional control be installed on stbd board. L Fwd Norf--for estimate 4/29 RB 5 4 To Norf. appd. 5/5.
123685	4-27	Norf 3533-419	Searchlight control; fwds print showing mechanical. L To---estimate not understood: request information. 5/1. Norf. 5/16. submits estimate. Y Fwd Dept. rec appr. 5/19. TO -- 5-21 RB 5 21 appd

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DELAWARE: LIGHT & PWER SYSTEM.

Number.	Date.	From or To—		Subject.	
40898	6/9	NY	330-650-2	Illuminating sets; alterations; submits estimates.L. Ret -- via C&R. Work auth.6/14.	
41158	6/14	C&R	22082-E.398	Fwds reqt. for fitting canvas screens to top rail of searchlight platform; is first reqt on kind and asks if advisable; L. Ret -- Bu sees no objection to fitting screens.6/21.	
42878	7/6	Bost	T	Reqt. authority re installation of gyro compass; C&R authority received.L. To -- Fwds copy of 40445-132-5 of June 26th. 7/7. To -- Fwds copy 40445-182-5. 7/10.	
45894	7/14 8/3	C.O. Bost	5807	Power wiring in connection with gyro compass.L Fwd C&R. 8/11.RB 8-16	
36302	8/15	To NN		Final settlement: Reqst statement from contrs accepting responsibility for running 14 branch lines from battle lantern feeders in berth deck passages.	182-2
48371	9/5	C.O.		F.D.blowers: reqt changes in power wiring and necessary switch panels so may be run in series of single.	182--10
48882	9/8	C.O.		Makes adverse report on 300 kw Curtis turbine gen.set.L	
49833	9/27	C.O.		Reports breaking of switch panel for drill presses during target practice.L To NY. Fwds copy regn.136. 10/9. To C.O. Regn.136. Bu. made.10/9.	

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N.S.E. Form 134.

DELAWARE: LIGHT & POWER SYSTEM: 182-5

Number.	Date.	From or To—	Subject.	
51904	9/25 10/21	C.O. Navgn 8253	Reports on Sperry Gyro compass; makes suggestions re wiring for. L FwdOrd. comments.11/7.	
51972	10/13	NY 330-665-4	Gyro compass; estimates for wiring.L Fwd Ord.Reqst detail information.10/28. RB 11-9 Fwd Dept.via C&R.rec appr.11/15. RB 11-27 a'ppd Ret-11/28.	
56630	12/7 12/13	C.O. NY 330-695-8	Re-winding heating coils of motor for mangle in laundry.L Ret NY via C&R-Under C&R.12/22.	
			1912	
60115	2/10	Dept by End	& N.DAKOTA: no change will be made at the present time on night signalling sets.	205--5
64520	3/18	C.O.	Reports stopping generating sets due to overflow boiler, recommends that piping to dynamo engine be carried down 6' to prevent recurrence.	182--15
66066	4-9	CO	Reqt. broken searchlight mirror be replaced.L To---& NY.Directs NY furnish one from store.4/22.	
66790	4-20	Navgn 1047	Authorizes installation gyro compass recently delivered on contract 316: Sperry Gyro Co. next delivery for MICHIGAN.L Fwd NY.Work within capacity of ship's force.4/23.	

NB—0120

[OVER.]

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DELAWARE; LIGHT & POWER SYSTEMS;

IV

FILE No.		From or To— (Dated)	Subject.	
28450	12/20 1/6	Genl.Elec.Co S&A 106939	Searchlights; will not accept proposed rejection of coils for pilot motors Ref S&A Rec modif.in cont 1/10.	
29129	12/26 1/14	C.O. C&R 21870-E.105	Reports current collector rings on beat cranes satisfactory. Ret C&R noted 1/20.	
35596	3/11	C.O.	Submits scheme for illuminating set.L. Fwd NY. Reqst plan and estimate for modifying as specified herein.4/14. RB 4-20	
36014	4/12	NN 172	Turbine gen. set; reports shipment of spare gears for governor and pump gear to Boston.L Fwd Bost. for information.4/15. RB 4-27	
38077	5/8	To Dept	Searchlight towers; alterations; rec same as for NO.DAKOTA; L To NY. Authorized.5/18.	321-5
39469	5/17	NY 330-675-6	Cast one truck light bracket. L	
39474	5/22	NY	& N.DAKOTA; estimates for elec. work in connection with relocation of: #3 & 4. searchlight	321--5
40445	6/3	Dept. 23043-11	Reqt. estimate for fitting motor generators for operating Sperry gyro compass, to be installed for trial; fwds result of trial on DRAYTON. L Ret Dept via C&R & Nav. Recommendations as charges.6/7. RB 6-28 To NY Work auth.6/26. Fwd Nav. 6/26. (T)to Bost.S.E.work auth.7/6.	

NB—0120

Number.	Date.	From or To—	Subject.	
599355	11/86 12/3	CO Atl.Btlshp Force	Subm report on inspection of radio apparatus and nes repairs. W.	
599770	11/25 12/7	CO Atl.Fleet	Report cov burning out of fillament of 50 Watt transmitter vacuum tubes model TC telephones. WW. Fwd Washington 12/17	
623227	5/2	Atl Battleship Force	Report of inspection of radio & sound equipment W	
626737	5/20 6/2	CO DELAWARE Atl Fleet	Will conduct further test and submit report later on TC equipts. W	898

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N. Eng. 134

DELAWARE RADIO 1922

Number.	Date.	From or To—	Subject.	
653996	12/18	CO DELAWARE T	Rqsts 2 ammeters be furnished in advance of survey W	
			CO- (T) 60 resistances units required 12/20 W	
			To S&A Reqst shipment of mat from Washn to SO Boston 1743 12/20	
			To CO (T) Ask why sixty resistance units for type SE 3602 panel needed 12/19	
			To CO's (T) gives status of shipment 12/21	
			To S&A Reqst shipment of resistance units from Washn to CO 1756 12/21	
			CO DELAWARE 12/29 T. Request action rel to ammeters W	
			To S&A Reqst shipment of mat from Washn to Boston 1805 12/30	
			To CO (T) status of shipment of batteries 12/29	

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[OVER.]

DELAWARE: RADIO.

Number.	Date.	From or To—	Subject.
529756	11;12	CO	Request print showing forced tube system.W To CO Fwds Print 12-11
529785	11;17	Boston T	Hand keys urgently required-request expedite shipments.W To C-I-C Brook via S&A. Gives inform instrns re shipmt cc Boston 11-18 RB-11;27-W To Bost 11/30 Fwd Boston 11/30 RB-12;10-W
501300 Boston-submits estimates-1;15-W Fwd C&R 4/18		SEE CARD 9	To Boston (T) Instl tel motor gen if poss 12-2 W Boston-submits est-12;3-W To Dept via Opmd Gives action 12-4 To Boston Gives nfm 12-4 RB-12;7-approved.W C&R-copy of action to Boston-12;4-W To Boston Fwds Plans 12-7 Boston-T-reqt fwd duplicates-12;6-W Boston-T-request radio apparatus listed be sent at once-12;8-W Boston-T-reqt shipment of insulators for DELAWARE be expedited-12;11-W To Boston (T) Gives inform 12-16 To Boston (T) Gives inform cc S&A 12-30
533317	12;6	Dept	Copy of telegram to Boston authorizing exceed statutory limit of cost of repairs and alterations on.W Boston-confirms telephone conversation in connection with cost of addtl radio work.12;5
539735	12;10	CO	Request complete set of prints of forced tune system.W

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N. Eng. 134

182-6:DELAWARE: RADIO:

Number.	Date.	From or To—	Subject.	
541645	1;19	Boston	Fwds prints showing arrangement of apparatus in main radio room.W	
549629		See 549629-162-6 Cleveland	CO-4;9-W	
559130	4/22	To Boston	Gives list of radio work to be done on Ship	
559199	4/23	To S&A	Reqst shipmt of tel set from Washn to SO Boston 7120 W RB-5;7-W	
591428	10/17	CO DELAWARE	Requestprints showing model TO battle ship radio equipt. W. To CO- Fwds Plans 11/3	
597399	11/29	To Boston	Instln of radio equipment Fwds Vandykesco CO ship NORTH DAKOTA FLORIDA C-I-C Atl Fleet - Comdr Control Force W To Boston (T) Gives Detld Inform 12/30	

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[OVER.]

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DELAWARE: RADIO:

1919

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Number.	Date.	From or To—	Subject.	
421217	5-24	CO	Request audion control box be furnished vessel.	
422350	5;31	B S Div #5	Copy of letter to UTAH dir. transf. radio field carts to DELAWARE W	
4223264	5-23	CO DELAWARE	Battleship force 3 location of radio room on battleship now with fleet sub report cov W 924	
436206	8/20	To Ph Tel	Radio receiving equip for DELAWARE expressed from Wash 8/15th W	567-SP
447731	9/29	To Comdt Boston	Radio apparatus for installation on DELAWARE and NORTH DAKOTA-Notifies of shipment of material. copy to CO's. W	321-6
		1920		
467569	1;5	Boston	Confirms telephone conversation authorizing drawing audion control boxes and mufflers from store for .W	
491177	2;18	CO NORTH DAKOTA (applicable to DELAWARE)	Request shorten aux transmitter antenna install radio telegraph apparatus motor buzzer set install and calibrate radio compass,etc.W cross to N DAKOTA	

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N.S.E. Form 134.

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~~1910~~

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Number.	Date.	From or To—	Subject.
494027	4/30 5/14	CO Atl Flt	Reqst install new receiving apparatus - new buzzer transmitting set, etc - W
499776	6;15	Dept	Vessel made available at Boston for repairs and alterations July 1st.A
502039	6;28	Boston T	Ask when plans and matl for radio force tune system may be expected.W
501300	6-28 Boston-fwds prints-11;15-W To Boston via C&R Reqst Action cc CO-C-I-C Atl 11-26 RB-4;13 To Boston Gives instrns 11-26 Boston-T-recommends locate new motor gen berth deck No.1-12;1 Boston-copy-addtl allotment necessary-12;1-W	To S&A 3423 W. RB-9;10-W To Boston Gives list of eqpt to be instl during the overhaul of the DELAWARE CC CO To Boston Gives inform re mat listed 7-15 To S&A Reqst shipmt of apparatus from Washn to CO 7-29-W Boston- Fwds prints 8/18 W.	Reqst shipmt of apparatus from Washn to Boston CC 683 7-14 & FLORIDA -request 4 Dubilier condensers for overhaul of aux spark transmitters be diverted.W
505867	7;17	Boston T	To S&A Reqst shipmt of apparatus from Phila to SO Boston 3762 7-20.RB-7;30-W
506888	7-23	Fwd C&R	
506888	7-23	Fwd C&R	Booth Ventilating blower W.
508564	7;26 7;29 C&R-copy of action to Boston-8;28	Boston C&R	In connection with installation of rigging insulators on.W Fwd C&R 8/17

4—3381

[OVER.]

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DELAWARE: RADIO:

Number.	Date.	From or To—	Subject.	
390515	2-3	To S&A	Reqt shipt interfleet radio break key from Was to Boston. W	
391964	2;1	Boston	Confirms tel. conv. in connection with location of large sound proof booth in radio room W	
393045	2/6	CO	Request new allowance list for radio be fwd - W To- Revised list under preparatin and will be fwded as soona as completed. 2-18-19	
393445	2/7	Bost	Radio alterations - confirms telephone conversation - W	
394066	2;8	Boston	Radio tel. set complete installed on W To - Reqts that radio phone type CW 936 shipped from Norf be turned into store for further disposition 2-18	
393658	2-12	To 1st Dist	Radio apparatus for- Lists apparatus auth Comdt to issue from store. W copy to Comdt Boston and CO	
393660	2-11	To S&A	Reqt shipt audion control box from Wash to Boston. W RB 3;17	

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N.S.E. Form 134.

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DELAWARE: RADIO. 182 - 6

Number.	Date.	From or To—	Subject.	
395206	2/13	Bost	Confirms telephone conversation requesting expedite delivery of relay key from Wash Yd-W	
395347	2;15	Boston	Confirms tel. conv. relative to waive changer for switch W	
397196	2;20	Boston	Audion control box confirms tel. conv W	
396048	2-19	To CO	(T)-Audion control bx and break key expressed from Wash to Boston 2-15th. W	
398580	3-1	To S&A	Reqt shipt two audion battery charging panels from Wash to Boston. W R B 4/23	
403221	3;14	Boston	Submits discription of radio apparatus on W	

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[OVER.]

DELAWARE: RADIO

Number.	Date.	From or To—	Subject.	
377477	12-12	Boston	Confirms telephone conversation requesting instructions relative to new location of interfleet radio room	W
380859	12;27	Boston	Tel. installation of fatio will require 24 days work after strucktural changes have been made W	
381072	12;27	Boston	Confirms tel. conv. relative to installation sound proof booths W	
382 859	12;26	Boston	Tel. installation of radio ~~are~~ required 24 days work after structural changes have been made W	

N.S.E. Form 134.

1919

DELAWARE: RADIO. 182 - 6

Number.	Date.	From or To—	Subject.
383309	1/3/19	Bost	Confirms telephone conversation giving instrns in connection with telephone extension - W
386585	1/16	Bost	Confirms telephone conversation asking if shall dismantle sound proof booth installed on - W
385247	1-16	To Inspr Phila (T)	Arrange with Mazer Acoustile Co send representative to Boston Yd to supervise booth installation. W Phila (T) Mazer Co will send Rep. to Bost for work on. 1/15
389832	1;27	Boston	Confirms telephone conv. directing connect apparatus without protective relay for main radio room W
390517	2-1	To 1st Dist-	Radio apparatus for- Directs install new antenna if present is unfit for use and vessel becomes available for work. W copy to Comdt and Engineer Off.
388587	1-31	To S&A	Reqt shipt one set antenna fittings for gage type from Norf to Boston. W RB 4;5

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1918

DELAWARE: RADIO

Number.	Date.	From or To—	Subject.	
342922	8/14 8/26	CO Atl Battleship Force	Request provide sun proof booth in main radio room - install new operating table - remodel antenna system - etc - W	
364424	10;28	CO Penn.	Amplifier transfer to Delawar.	
365924	11-9-	C Chief, (T)	Reqts rejector be crated and put shore at land wire station ,special messenger will call same, W	
369739	11-18	To Navasta (T)	complete detailed plans of radio alterations , fwded 28th, W	
370056	11-20 12;9	To Boston CO	comments on plans, alterations , W Boston recommends low booths be furnished for main rad. room 11;27 W Boston confirms telephone. 2 letters 12;5 Boston confirms telephone conv. 12;12 To C&R 12;14 R B 12;19 To Boston- Plans for arrangement have been fwded. 12-12 12-21 CO and Commandant.	
370542	11-18	Boston	Confirms telephone conversation relative to work to be done	W
372766	12-2	To S&A	Rqst shipmt radio booth Phila to Boston, W R B 1;9;19	

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N.S.E. Form 134.

182-6: DELAWARE: RADIO.

Number.	Date.	From or To—	Subject.	
373911	12-3 12;17	To Boston Boston	Comments re arrangement of radio apparatus,W To- Installation of one 5-kw 120 volt radio transmitter authorized. 12-27	
374688	12-5 12;11	To S&A Phila	Rqst shipmt transmitting set Phila to Boston,W Bost - 12/13	
374690	12-13	To Boston	Fwds. plan for interfleet station.	
379794	12;19	Boston	Confirms tel. conversation stating C. O. requests telephone extension be placed in conning tower in preference W To Boston- info re install of radio set- 1/4	

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[OVER.]

DELAWARE: RADIO.

Number.	Date.	From or To—	Subject.
284735	2-26	Sims #4458	DELAWARE - request shipment of radio batteries. W To S&A-Reqts shipt 8 doz- ever ready batteries be shipped from Washington to CO. 3-1 To CO, re failure to report receipt of radio 8-1 R B 8/27
290511	3-20	To CO	Inform if have on board one Sperry low power transmitting set and one Telefunken receiver. not included in your reqn. W
293198	3-28	Sims #5725	DELAWARE - request four DeForest audion bulbs be mailed.W To CO (T)-Cannot DELAWARE obtain audion and bulbs from MELVILLE more quickly than shipts from here. 3-30 Sims #6243 IL 6199 - MELVILLE will supply apparatus required - action on ship's letter unnecessary. W 4-9
304779	5-6	CO	Report of work for month of February. Y
370056	12-14	Fwd C&R- Alterations. W	

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N.S.E. Form 134.

182 - 6 DELAWARE: RADIO

Number.	Date.	From or To—	Subject.	
306890	5-14	Sims 7916 IL 7916	Requests shipment of 1/4 KW tach set. To S&A rqst shipment portable radio field set from Washington to C O 5-18	
320732	6-27	To S&A	Rqst shipmt radio amplifiers from Wash to CO W	
321496	7-2	To S&A	Rqst shipmt radio set from Wash to CO W RB 4;3	
329253	7-24	To S&A	Rqst shipmt wave meter Wash to CO, W RB 4;3 To CO- eqts acknow recipt of apparatus: 3-19 RB 4;16	
342924	8/12 8/26	CO Atl Battleship Force 2	Request install sound proof booth in main radio room - remove present voice tube outlets in present radio room and reinstall- W C&R 9-18 copy instructions to NY	
342923	8/9 8/26	CO Atl Battleship Force 2	Request fit air chambers on fuel oil suction line and oil service pumps in each fire room and put partition in fuel oil settling tank -Y&D	

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[OVER.]

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~~DELAWARE; RADIO~~

Number.	Date.	From or To—	Subject.
177055	1-13	CO	Request 5 kw quenched wpark gap. W To S&A-- Reqt shipment of from NY. 1/26
185268	4-13 4-13	CO Norf	Replace metal spreaders main antennae with wooden.W To Norf--Comments on; dixappvs. 4/27
204953	11-7	CO	Request new radio wave meter.W To S&A--Reqt shipt of radio wave meter from DELAWARE to Wash for overhaul. 11/11
206525	11/25	To S&A	Reqt shipt long range receiving set from Wash to. W
139-79	12/22	To CO	Disappvs reqn. WR
			1917
Norf 766	2/3	Fwd S&A	Rec cost of Lowenstein Spark Gap Gaskets be increased and award made to Lowenstein. WR
216884	3/14 To S&A--Reqt shipt of Telefunken receiver and short wave receiver from DELAWARE to Wash. 4/20	To CO	NSE 25-B and Bu records differ. Reqt furhter information. W CO 3/27 To--4/9 CO desires to retain IP 76 receiver 4/12

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N.S.E. Form 134.

182 -- 6 DELAWARE/ RADIO

Number.	Date.	From or To—	Subject.	
230736	5-29	To S&A 5	Reqt shipt of portable radio set from Wash to	897-1
260337	11/13	CO R VOID	Henry Cole Co, sub-contractors for Natl Elec Sup Co reqt. authority to purchase 25 pounds of spring phosphor bronze. ~~xxxL~~ To (T)-Is A battery, B battery or both desired? 11-14	
260337	11/13	CO R	Reqt delivery of audion bulbs be expedited. W CO - (R) recommends Bureau ship parts and batteries to be made up on Board	11/15L
~~260719~~	11/12	Atl Flt	Transfers full radio set from ARKANSAS TO DELAWARE - W 6	
261097	11/16	Boston R	Request authority to issue impedence coil. W To (T)-Appve issue impedence coil. 11-16	
261100	11-16	To S&A	Reqt shipt of 6 Western Elec Audion bulbs from Wash for. W	
261368	11-17	To P. L. Nelsan (Western Elec Co)	Orders for reporting to Cpt Leigh on DELAWARE. Directs bring telephone sets from New London. W	902
261447	11-17	To WYOMING DELA NEW YK.	Bizzer radio set and short wave receiver Directs communicate with NY in order to expedite delivery of apparatus. W	898
262193	11-19	DeForest Company	Reports shipment of 4 AGT receivers to USS FLORIDA WYOMING NEW YORK DELAWARE - request order to cover. W	898

NB—0120

[OVER.]

DELAWARE: RADIO.

1914

Number.	Date.	From or To—	Subject.
125769	5/25	Norf. R	Requests instructions re supplying additional receiver.W Fwd CO for information 5-26 RD 6 8 To---not practicable to issue another.6/4.
127129	6/9	Norf. 3537-419	Estimate for changing location of radio station.W Ref. dept. recomds. 6-12 RB 6 10 To CO.appd.6/16.
131000	7-17	CO	Reqt spare armature and radio transfer switch. W Fwd NY.7/28.
141278	12-2	CO	Reqt new type of radio receiver and waver meter.W. To--Have reqtd shipment of from NY. 12/10 To S&A--Reqt for shipment. 12/10
			1915
144782	1-17	CO	Reports on wave meter on bord. W. To--Auth transfer of from TEXAS. 1/21 To NY--wavemeter now on DELAWARE will be shipped to yard for further use. 1/21 To TEXAS-- Auth transfer to DELAWARE. 1/21 TEXAS: K&C wavemeter not installed 1-23 To TEXAS--Reqt wavemeter be transferred to DELAWARE. 1/27 TEXAS not on board 1-28
146948	1-24	Co	Reqt DeForest audion lamps and permission to retain old type receiver. W. To--Auth to turn in at NY. 2/17
153057	4-2	CO	Repairs to. W Fwd Norf--Have reqtd shipment from NY of 1 5 K.W. wave changing switch. 4/26 RB 5/3 To S&A-- Reqt for shipment. 4/26 To Norf--Appvs estimates for. 5/5

NB—0120

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1915
1914
1917

DELAWARE: RADIO 182-6

Number.	Date.	From or To—	Subject.	
154200	5-4	CO	Reqt salenoid transfer switch to replace motor switch on board. W To--Reqtd shipment of from NY. 5/6 To Norf--Submit est for installing. 5/6 To NY-- Shipment switch to Norf. 5/6 To S&A-- Reqt for shipment. 5/6	
156311	5-26	CO	Wavemeter assigned: TEXAS states not on board. W To S&A--Reqt tracer of shipment. 6/4 S&A now on TEXAS 6-23 To--Take action on 144782-182-6. 6/24 To--Wavemeter will be tranferred to DEL. 6/25	
158435	6-18	CO	Reqt authority to complete 2 100' sections antennae fwd and aft. W To Via Norf--Authorized. 6/25	
158657	6/12 6/21	CO Norf 3537-419	Reqt material for manf new antenna by ship's force. W To Via Norf-- Appvs. 6/25	
163727	8/17	CO	Ultra audion apparatus not yet received. W To C.O. cannot supply for 4 mos. 8-23	
163882	8/20	To S&A, DELAWARE	Reqt shipment portable set from DELAWARE to CASTINE	150-6
166446	9/21	CO	Reqt Navy type-A receiving set. W To S&A--Reqtfor shipment. 10/1	
172926	12-3	At Flt	Appeals aginst shortening main antennae. W To Norf--Use shortening condensers to obtain wave length. 12/6	
173686	12/1	Norf	Radio equipment; changes recommended. W To 12/16	
175718	1-8 To S&A--Reqt for shipment. 2/21	To CO.	Bu will reassign of of the three radio receivers to another vessel; asks which receiver recommended. W CO recommends Telefunken 1-20	

NB—0120

[OVER.]

DELAWARE: WIRELESS

Number.	Date.	From or To—	Subject.	
50230	10/3	C.O.	Fwds list of radiation and current obtained from wireless sets at various wave lengths.W	
53064	12/7 12/8	To NY & S&A To At. Flt.	REC.SETS: Has directs shipment to, for repairs, of receiver.	898
57280	12/29	To C.O.	Recn.90: request further information re item 24 for crystals for perikon detector. Directs submit requisition for crystals.W Eliminate item 24. 1/3	
			1912	
			1913	
88794	12-25	CO	Description.W.	
105962	9/17	Delaware	states cords furnished with radio head sets defective	898
113216	12-18	CO	Radio fleet set; recd.W To---& S&A.request shipment of set from Washn.to ship.12/22.	
			1914	
114337	1/8	To CO	Description of installation returned; request new copy.W	
114739	1/9	Clark, G.H.	New navy type wave changer switch, reports on installation on.	900

N.S.E. Form 134.

DELAWARE: WIRELESS. 182--6

1914

Number.	Date.	From or To—	Subject.	
117068	2/7	To Norf via C&R.	Battle radio installation; desired to install during overhaul period; request plans and estimates; fwds prints.W Norf reqt type plans 3-6 Fwd. NY.expedite plans.3/9. To Norf.submit est and plans as soon as practicable.3/31.	BELOW
112274	2/13	To CO via At.Flt.	Radio material removed should be turned in at Norfolk yard; will be shipped to NY.	900
117068	4/3	To Norf. R ABOVE	Only location radio station plans not detailed plans desired with estimates battle radio DELAWARE.	
121559	4-4	NY R	Battle radio installation; no plans; canfwd NORTH DAKOTA plans.W	
123455	4-18	Norf 3537-319	Battel radio installation; fwds plans and submits estimate.W To--instrns 4/27 To S&A.Reqst shipment motor-gen.NY to Norf.,also transformer.4/27	
123486	4-24	CO	Reqt field radio set.W To--If still in store issue to vessel just before departure 4/27	
123389	4-25	TO Norf	Reqt status of installation. W	
125393	5/19	Norf.	Battle radio installation; casing for antenna rat-tail leads; fwds print.W TO -- appvd 5-22	

NB—0120

[OVER.]

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DELAWARE: WIRELESS TELEGRAPH SYSTEM.

FILE No.		From or To— (Dated)	Subject.	
29486	1/17	C.O.	Reports on overhauling by expert from Telefunken W.T. Co. at Cherbourg.	
29487	1/17	C.O.	W.T.Apparatus: reports on efficiency of 5 KW Telefunken set.	876
30342	1/30	C.O.Via Norf. (W)	Reqt. perikon detector be mailed to-day; ship sails tomorrow. W (T) to C.O.Shipmt made 1/30.	
30451	1/31	C.O. W	Reports receiving perikon detectors and wireless receiving set.W	
30515	1/28	NY	Reports perikon detector shipped. W Ret -- 2/2.	
30963	2/6	To Washn	Perikon detector; directs be invoiced to ship.	
38306	5/10	TO NY T	Direct Subinspr Clark adjust aerial. W	903
39704	5/26	TO NY, S&A & PRESTON	Directs issue of latest improved type set Wireless Specialty, and transfer of old type to PRESTON.W. To C.O. Reqsts be sent to PRESTON. 6/1.	
46573	8/11	C.O.	Reports status of apparatus in connection with standard calling wave length. W To - directtions for obtaining better radiation- report number of jars used	9/29

NB—0120

DELAWARE: SIGNALS: SUBMARINES. 1917

Number.	Date.	From or To—	Subject.	
242957	8/8	Bost Yd	Relative to oscillator set L	
306912	6-8	To Boston	Ack receipt of plans, on turret ammunition telegraph system, L	182-4
272764	12;2		Shipment order back 1;9	
494177	5/19	To NORTH DAKOTA	Fwds photostats of oscillators fwded in order determine type of oscillator installed To DELAWARE fwds, reqst fill out and return to Bur 5/19.	797

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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DELAWARE: SIGNALS: SUBMARINE

1

Number.	Date.	From or To—	Subject.	
47179	8/25	Sub. Sig. Co.	SIGNALS: has received reports of satisfactory ~~report~~ test made by	711--3
49967	9/22	Bost	Recommends payment of balance due on. L Fwd S&A--Appd. 10/3.	
			1912	
			1913	
93014	3/21	To Dept	Submarine telephone and telegraph set, reqt permission be granted Submarine Signal Co. to install on Delaware at present overhaul	711--3
			1914	
126543	6/5	Fwd CO via Norf	Re removing oscillators	711-3
			1916	
Reqn 99	11/25	To CO	Disappvs reqn calling for microphones for submarine signal set. LR	
Reqn 702	12/16	To Norf	Reqn for microphones for submarine set. Reqn disappvd. LR	
			1917	

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1916

1913

DELAWARE: SIGNALS: SUBMARINE. 182-7

Number.	Date.	From or To—	Subject.	
209574	12-19	CO	Request microphones for submarine signal set be restored to reqn 99. LR um To via Norf--If repairs necessary Bu will cancel reqn. 12/28	
			1917	
Bu 87	1/5	Fwd CO via Norf	Have rec award to Submarine Signal Co. covering reqn, repair and inspection of submarine signal apparatus. LR	
236677	7-3	Sub Sig Co	Fwds inspection reports and bills.	711-3
241900	8/3	Phone Bost	Work in connection with install of oscillator auth. L	
242001	8/3	Phone Bost	Re oscillator install. Y	
242562	8/7	Bost R	Request Bureau instruct Submarine Signal Co to deliver set. L	

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Number.	Date.	From or To—	Subject.	
647156	10/20 10/25	CO Battle Force	Submits report on material readiness Y	
650517	10/2 11/21	CO Ordnance	Submits report on material readiness Y Fwds Operns 12/2	
652308	12/4	C&R	Copy T to Boston authorizing docking Y C&R 12/4 Copy action to Boston Y	

Number.	Date.	From or To—	Subject.	

DELAWARE MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.
614471	2/13 3/18	Atl. Fleet C&R	Subm report of inspection. Y Fwds Operns via Bd I&S- Ordn-S&A- Med & Surgy- Navign- Maj Gen Comdt Marine Corps ~~ee~~ 4/5
620905	4/12	Atl Battleship Force	Report of inspection BY
621871	5/2 5/4	CO Boston	Request auth to remove steam whistle & ash hoist engine from VIRGINIA for installation on Y
621907	4/12 5/4	Atl Battleship Force Dept	Submits report on matl readiness Y Fwds C&R via Ordn 5/13

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DELAWARE MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
624671	3/25 5/20	Atl. Fleet S&A	Subm report of inspection. Y Fwds Operns via Ordn Navign- Maj General Comdt Marine 6/6	
635442	7/4 7/29	C O C&R	Subm report on material readiness .Y Fwds Operns via Navigation 8/15 Ys	
640096	8/16 9/1	CO Dept	Subm report on condition of steam machry and boilers. Y Fwds Operns 9/27	
640839	8-10	Atl Fleet.	Report on condition of machy and boilers. Y	493
645539	10/8 10/13	Batlshp Force Atl. Fleet	Summary of work request repair period, 11/20 to 1/5 Y	

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[OVER.]

Number.	Date.	From or To—	Subject.
522440		SEE CARD 14	To Boston Auths del to ship for i stln oil casings C6 CO 11-16 Y 1
531759	11;29	Boston copy	Vessel docked.A
532301	11;24 11;30	CO Dept	Report on material condition.Y Fwd Operns 12-4
542275	1;25 1;24	CO Dept	Report on material readiness.Y Fwd Operns via C&R Ordn 1/25
3 549846	1;7 3;5	CO Ord	Submits report in detail covering auth work uncompleted on overhaul.Y Fwd Operns via C&R.
560740	4;18 4;25	CO Atl Flt	Submits report on auth and uncompleted alterns under Bureau.L
561695	54;1 5;2	CO Ord	Submits report on matl readiness.Y Fwd Operns 5/11

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DELAWARE MACHINERY PLANT GENERAL 1921

Number.	Date.	From or To—	Subject.	
560571	5/3	To Boston Co's	Outstanding alterations directs listed authd alterations be proceed with as directed cc C-I-C Atl Fleet-Comdr Atl Fleet-CO's FLORIDA UTAH DELAWARE NORTH DAKOTA W	205-8
563340	no date 5;11	Atl Flt C&R	Submits report of inspn.Y Fwd Operns via Ordn-S&A Med & Surgy Navign	5/17
564864	5;18	Boston copy	Vessel docked.A	
591445	8/1 10/7 10/10	CO Atl Fleet Ordn.	Subm report on material readiness.Y Dept-10 14-Y Fwd Operns via C&R 11/5	
593399	10/27	CO	Request machry plans and drawings listed be replaced. D. To CO Fwds prints listed 11/10	
600524	12/15	Boston Copy	Vessel undockt. Y	
		1922		
613118	12 31 8/10	CO Dept	Subm report of material readiness. Y Fwd Operns via Ordn-C&R 3/25	

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DELAWARE MACHY PLANT 1920

Number.	Date.	From or To—	Subject.	
522155	10;2 10;7	CO Atl Btlship Squad 3	Request install addtl evaporator feed ~~pump-install fresh water measuring tank etc.D~~ ~~Fwd Operns 10-12 Alterations D. RB-10;19-D~~ To CO disappvd cc Squad Atl Fleet 10-21	
522377	10;1 10;5 10;11	CO Atl Flt Dept	Report on material readiness.Y Fwd Operns via C&R- Ordn 10-21	
522815	10;13	Boston copy	Gives dates estimates were fwded to various Bureaus Y ~~Boston-T-reqt action-10;26-Y~~	
522440	10-21	Fwd Dept cards	Recommending appvl of report and authn of unfinished work with exc and com listed Y To Boston Gives action cc Operns- CO-C-I-C Atl Fleet 10-26 **Boston-submits report of engrng survey-10;9**	
		To Dept-10-21-RB-11;3-YD&L To Boston Fwds copy of action 11/4 To CO not authd 11-8 To Boston (T) Gives instrns 11-9 Boston-11;8-Y		
525115	10;15	CO VOID	Request index od drawings be furnished.D	
525112	10;22	Dept	Copy of telegram to Boston requesting arrange conference with CO in connection with repairs and alterations.A&I	
525261	10;23	C&R	Copy of insdorsement to Dept submitting recommendations relative to report of Survey & Est.Y	
525755	10;16	CO	Machy in good condition except steering engine.Y Fwd Operns 10-29	

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N.S.E. Form 134.

182-8: DELAWARE: MACH PLANT:

Number.	Date.	From or To—	Subject.	
525844	10;8	CO	Request change lead of 4 inch voice tubing to towers 3 and 4-erect broadside director in center of No.2 tower-overhaul,etc.Y Fwd Operns cc C&R- Ordn- Boston 10-30 RB-11;11 C&R-copy of action to Boston-11;10-Y Fwd Ordn 11-13	
525950	10;27	C&R	Copy of letter to Boston stating no action will be taken relative to alterations.Y	
526065	10;27	Dept	Copy of telegram to Boston giving instrns relative to work and what estimates should embrace.Y	
527148	11;2	Boston	Arrangement of drawing room-fwds prints.D Fwd C&R. 11-6 C&R-copy of action to Boston-11;11-D	
527428	10;6	CO	Request install communication platform between tubes install voice tube from plotting room to range finders,etc.D Fwd C&R. 11-8	
527672	11;1 11;5	Boston Dept	Submits estimates in detail covering overhaul.Y Fwd Dept via C&R. cc Boston- CO 11-9 RB-11;24 Fwd C&R 11-26 To Boston Gives instrns cc C &R-CO 11-28	
528426	11;9	Dept	Copy of telegram to Boston stating expenditures during July and August will be included as part of present overhaul.Y	

182-8

DELAWARE: MACHY PLANT 1920 13

Number.	Date.	From or To—	Subject.	
492197	5/6	Dept	Copy of letter to Atl Flt stating NEVADA will be available at Norf for docking July 1st- NORTH DAKOTA at NY and DELAWARE at Boston A&Y	493
493864	5;15	NY copy	All work contemplated on completed.A&Y	
494940	5;5 5;14	CO Atl Flt	Request install one inch steam pipe in place of 1/2 inch pipe to fuel oil pumps install drip pans,etc.D Fwd Operns 6-8.RB-6;15-D To CO Via Atl Fleet rGives detld inform	6-16.
495488	5/30 5/14 5/22	CO Atl Flt Bost	Reqst renew defective internal feed fittings-renew lagging on boiler drums, overhaul bunker floods, etc - Y Fwd Oper s cc Atl. div five Atl.- Bost-	CO 5-25 RB-8;2-Y RB-8;5-Y
474889	FROM CARd 12		Boston- Fwds prints. 5/28 D. To Boston-- Reqst tracings covering machy be fwd 6-9. Boston-fwds tracings of machy plans-6;17-D To CO Fwds plans 7-14 To BostonReqst plan le fwd 7-14 Boston-alterations in steam piping to aux feed pumps-fwds prints.D	

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N.S.E. Form 134.

182-8: DELAWARE: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
499624	6;15	Dept	Copy of telegram to Boston making vessel available July 1st for repairs and overhaul.Y Dept-copy of action to Boston-6;26-A	
499776	6-21	To Boston	Mat Inspection- Work under cog of Bu: Gives detld Instrns CC Operns C-I-C Atl Fleet- CO I	
501747	6;26	Boston copy	Request definite information relative to urgency of repairs on Board DELAWARE.Y	
502050	6;28	C&R	Copy of telegram to Boston stating vessel will be inspected July 1st.Y	
502673	6;30	Dept	Copy of telegram to Atl Flt directing vessel proceed to Balboa for coal.A	
504613	7;10	Bd I&S	Fwds report of matl inspn.Y To Boston Gives detld action CC Operns - CO 7-22.	
505909	no date	Bd I&S	Report of material inspn held July 1st.Y	
513181	8/14	CO DELAWARE	Report on condition of vessel. Y Fwd Operns 8-25	
514240	8;12	CO	Report on matl readiness for war.Y Fwd Operns via Ordn- Navign 9-3	

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DELAWARE: MACHRY PLANT

Number.	Date.	From or To—	Subject.	
458790	11/19	Atlantic Fleet copy	Vessel available for docking 11/23.	AAY
459699	11-24	Atl Flt (copy)	Unable to dock vessel until December.	Y
460203	11-26	Dept	Copy of telegram to Atlantic Fleet making vessel available at N.Y; for docking; A	
461115	12-4	Department	Instructions in conn with matrl inspec. To Bd I&S- fwds correspondence. 12-5 Bd I&S-returns corres-8;16-Y	Y
461836	12/6	NY Copy	DELAWARE undocked - PENNSYLVANIA follows -	A
461901	12/6	NY	Copy of work contemplated on completed -AY	

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N.S.E. Form 134.

182 - 8 DELAWARE: MACHINERY PLANT

Number.	Date.	From or To—	Subject.	
463642	12-16	Atlantic Fleet (copy)	Will proceed to Boston upon completion of present duty; A Y	
463946	12;17	Dept C	Copy of telegram to Boston making ship available for repairs.A	
463148	12;18	CO copy	Ask when Board will accept vessel.Y	
474889	1;29	CO	Fwds list of prints missing from files- request be furnished.D	
TO CARD 13		CO-submits list of prints mutilated or missing from files of vessel-4;7-D To I.M. Norf- Reqts vandykes of plans listed. 4-30	To CO- Fwds prints. 2-12 CO-3;7 Dept-copy of action to Boston-5;10-D	
474888	1;28	CO	Request index of machy drawings.D To- Fwds index book of machinery plans. 2-13	
489539	4/23	Atlantic Fleet Copy	Recommends vessel proceed to NY for further repairs to cross connection steam line engine room, etc	Y
491511	~~5;~~5;3	Dept	Copy of telegram to NY making vessel available for repairs.A	
492989	5;11	NY copy	~~DELAWARE docked; PATOKA follows.A~~	
492269	5;12	NY copy	DELAWARE undocked- PATOKA follows.A&Y	

DELAWARE: MACHY PLANT 1919

Number.	Date.	From or To—	Subject.	
412435	3;16 4;19	CO C&R	Submits report of matl. in readiness war service Y Fwd Operationsn via Ordnance. 4-26	
432723	7-6 7-15	Atlantic Fleet C&R	Submits report of material readiness for war service. Fwd Operations via Ordnance. 7-17	Y
434932	7;23	Atl Flt copy	Request hold telegram 00324 until further orders in connection with DELAWARE & NORTH DAKOTA. A&Y	
434749	7/23	Atl Fleet	Copy -N.D' made available 7/23 at Mass. for test of Henderson Gyro on director scope. L. Atlantic Fleet- Copy- Del- 7/24 and North Dakota ord to Boston, recs, completion repairs.	779 779
438611	8-12	To CO DELAWARE	Desireable alterations under SE. Reqts fwd sketch before taking action. Db	321-8
448207	9;29	Atl Flt copy	Request authority to make vessel available at NY for removal of 5 inch guns.A	

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N.S.E. Form 134.

182;8DELAWARE: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
448638	10;1	Atl Flt copy	Request arrange with yard for removal of 5 inch gun holding down bolts-dismantle guns etc.	
450890	10/11	NY	Copy of work contemplated on completed -	AY
455210	10-31	CO (copy)	DELAWARE will be substituted for NO DAKOTA for cruise to Italy- Must be docked.	A Y
457928	11/9 11/13	CO Atl Flt Fwd Operations. 12-22 RB-12;30	Reqst renew lengthsof copper piping now defective, repair valve chest and fit new valves in steam end of port main air pump, etc - Fwd Comdt Boston. copy to Operations and ATL FLTBat.Div. 5 and CO. 11-17 RB-12;22	Y
458260	11;15	Atl Flt Copy	of telephone conversation in connection with availability of vessel at NY for docking and availability of PROMETHEUS at Norf for docking.	A
458649	11;18	Dept	Copy of telegram to Atl Flt making vessel available at NY Nov 23 for docking.	A

DELAWARE: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
331240	7/26	Norf	Confirms telephone conversation relative to shipment of material for the DELAWARE	-Y
336675	None	None	Accident and repairs to in Confidential File	
336812	8-1 8-6 8-12	CO C&R Ord	Submits report of material readiness of ship for war - Y Fwd Dept., II-7	
343868	8/10	Co Atl Bat Force	Reqst repairs to force draft blowers and searchlights ship service tel system fuel oil indicator system etc Y&D	B 2-3
348124	9-13	Dept	To be made available at Boston for overhauling and refitting - A	
349967	8-12 9-18	CO C&R	Request complete installation of upper ammunition hoists - remove ash shoot on starboard side etc - fwds various prints D&Y Fwd C&R Via Ord, 9-23	
351062	9/20	Battleship Force 1 Copy	Repair boiler - renew main feed force draft blower - radio equipment, etc - Y	

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DELAWARE: MACHY PLANT. 182 - 8

Number.	Date.	From or To—	Subject.
353134	9/27	Dept	Fwds 54 page request for repairs - D(?) To Boston, re inspection of mat'l, 10-5 To C&R, Recommending approval of inspection of material, 10-5
355990	10;5	Norf	Req. plans D To Norf, Fwd plans requested 10-8
360386	10;19	Dept.	Ship will be available at Boston beginning Nov. 15.
372494	11/26	Bost Copy	May be necessary to postpone date of completion, due to additional pressing work - Y
395811	2;18	Boston	Recommends March 10-19 date of completion due to delay in delivery of copper gasket matl. for gun port shutter Y Dept auth. 2;19 Y
397987	2;26	At Fleet	Relative to date of completion of repairs

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DELAWARE: MACHY PLANT.

Number.	Date.	From or To—	Subject.
241909	7/30	CO	List of work to be done by ship's force Y
242666	8-1	Atl Flt	~~& OKLAHOMA; reports on readieness for war service.~~ ~~Fwd Dept via C&R Ord--8/9~~
244405	8/17	Bost R	Gives principal operations that cannot be completed on date set for completion .Y
245077	8/22	Dept Copy	Directs Boston not to undertake alterations - all necessary repairs to be completed Aug 27th Y
277690	1-1	CO	Reports on readiness for war service. Y.
306912	5-14 ~~4-18~~	Dept	Material readiness for war. Y To Boston (T) Reqt. expedite plans. L 5/20 Boston - T - Plans for ammunition telegraphing system all completed - will enter list of materials on plans. To (T) Boston, expedite shipmt turret ammunition 5-28 To (T) NY Has material been shipped, 5-28 Boston - Fwds print, 5-27 Fwd Ord, 5-29 R B 6/7 - NY - T - Material for range and deflection system shipt Norf 5-29. L 6-5 (Cross 182-5) Fwd N Y 6-14 R B 6/28
		Dept - request action - 5/14 - Y To Dept, 7-1 Fwd Ord, 7-2 NY 7-9 To Ordinance 7-2 RB 8-15 Fwd S&A 8-16 To S&A 8-16 RB 8-21	

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DELAWARE: MACHY PLANT. 182 - 8

Number.	Date.	From or To—	Subject.	
310260	4/20	CO	Request repairs to shaft bushing pipe - Y	
310260	5-20	CO	Submits items of work completed. Y	
312300	6-1	Dept	DELAWARE-assined to Chaltn	774
313629	6-4	NY	Request vandykes. D	
316714	6/14	C&R	Delaware and Shaw - copy of instructions to NY Authorizing cancellation of open job order- replies particularily to distant service vessels. Y	570-8
324335	5/17 5/22 7/8	Atle Flt Dept C&R	Quarterly battle inspection - Y Fwd dept, 7-9	

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DELAWARE: MACHINERY PLANT.

1916

Number.	Date.	From or To—	Subject.
193435	7/7	Dept	Military inspection: fwds report.Y Retd Via C&R-S&A-M&S-MC-- Noted.7/28 To CO-- Re defect reported under Question 130. 7/29 CO outboard delivery valve on stbd main condenser open andcannot be closed; reqt add to list of items to be done next docking 8/5
198189	8-19	CO	Forced lubrication system, drain lines, air cocks Control for blowers, dry air line to ice machine, reducingsvalves. Y Ref. Norf. for estimates 9-5 RB 10/16 Fwd Dept--Gives action on. 10/20 RB 10-23 To Norf--Gives action on. 10/24 Norf submits estimate item F 10-26 To Norf--Item F work appvd. 11/7
200289	9-19	CO	List of repairs to be dne by ships force. Y
200928	9-3 10-2	CO Dept	Directs remain at Norf sufficient time to complete all auth work; limit Jan 5. Fwd Dept-- 10/4 To Norf--Instructions. 10/4 Norf relative to fire control changes 10/14
202468	10/13	Norf	Request plans.D To--Fwds Plans. 10/18
203118	10/3 10/17	CO Flt	Trap drain line of main air pump; install coupling between motor and crankshaft; ice machine.Y Fwd Dept--Rec appvl. 11/8 RB 11/11 Fwd Norf--11/11

N.S.E. Form 134.

DELAWARE: MACHINERY PLANT. 182 — 8

Number.	Date.	From or To—	Subject.	
204494	11/4	To Norf	Blue prints showing installation of heating and cooling coils in forced lubri oil tanks received without forwarding letter. Reqt copy of. 11/4	
206409	11-23	S&A	Bolts and nuts; copy of message sent Norf realtive to placing order with firm that will insure early delivery.S	
210884	1/1	At Flt	Collission with SONOMA; report of board of investigation	451-8
217631	3-10	Phila DELAWARE (?)	& PAWNEE: Fwds machy prints purchase with C&R plans from H&H Co. Request Bu numbers	for, 339-8
233554	6/11	Bost	Request Van Dyke of finished plans D To—Fwds Vandyke prints.6/28	

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DELAWARE: MACHY. PLANT. 1915

Number.	Date.	From or To—	Subject.
161988	7/24 7/28	CO Norf	Renew lagging on main steam separator and main condenser.Y To Norf--Appvs. 7/30
162007	7/29	Dept	Quotes letter from CO in regard to condition of boilers: Dept states does not desire vessel to leave yard for after overhaul unless able to maintain its position in the fleet; if necessary will postpone date of completion.Y (Cross to 10 & Decisions) Norf--re status of vessel repairs 8/3 Fwd Dept--Noted. 8/6
162355	7/26 7/31	CO Norf	Renew ash pans boilers 2 and 4, renew lagging on cold air piping and heating system.Y To Norf-- Appvs. 8/3
162925	8/6	Norf	Recommends date of completion be extended to Sept. 30th.Y
162956	8/9	Dept	Date of completion extended to Sept. 30th.Y
164136	8-13	CO	Renew casing and lagg boilers, repair hand hole na d plates, supply monl metal valve discs. Y To Norf. appvd. 8-24
164939	9-2	Dept	Repair limit extended Nov 1
167702	10-7	Norf	Estimates for combined laundry for officers and crew.
169632	10-28	Dept	Hull inspection.Y Fwd C&R--Noted.10/29
169801	10/7 10/25 10/29	Norf Dept C&R	& NORTH DAKOTA; combined laundry for officers and crew; estimate.Y Fwd C&R--11/1 To Norf--SE work authorized.11/1 To Phila--Ditto for NORTH DAKOTA. 11/1

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DELAWARE: MCHY. PLANT 182 — 8

Number.	Date.	From or To—	Subject.	
170580	11/6	Dept	Repair limit extended to Dec. ~~a~~ 2nd.Y	
172489	11-29	Dept	Repair limit extended to Dec 9. Y	
			1916	
177439	1/28	To Dept	Calls attention to assignment of Senior Asst Engineering Officer to duties outside of Eng Dept	632
179450	2-17	Dept	Hull inspection.Y Fwd C&R--Noted. 2/19	
183502	3-25	CO	Alterations; speed valves on compressor pneumatic system; connecting insulating pump to vaporator feed line, install ash ejectors in lieu of Metten ash expellers.Y ~~Fwd Norf-- Gives action on. 5/2 RB 5/11~~ CO reqt action item lc 6-6 ~~CO Reqt action. 7/12~~ ~~To--Authorized. 7/20~~	
	To Norf Via C&R--Re ash expellers and ash ejectors. 7/20 To Norf Via C&R--Asks status of installation. 9/23			
184728	4/13	CO	Repairs by ship's force during docking period.Y	
184882	4-14	Dept	Repair limit May 8 Y	
185725	4-21	Norf	Submits list of work which cannot be completed during present stay; Dept forwards copy of instructions to yard.Y Fwd Dept Via C&R--Noted. 4/26	

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1914

DELAWARE: NACHY PLANT.

Number.	Date.	From or To—	Subject.	
123302	4/24	Dept.	June 4 set for date of completion of work.Y	
123781	4/27	Norf. 3122-419	Survey; submits revised estimates on search-lights, lubricating oil tanks, engine casing,etc.Y To---appd.5/2.	
123837	5/1	Dept	Reqt estimated difference in cost of repairs remaining if shift and over time work is discontinued	377-8
124800	5/13	Dept	June 20th date of completion	377-8
127639	6/1	Norf. 3122-419	Submits estimate for repairing fireroom plates, steam connection to galley, relag trap piping in dynamo room, change drain line,etc.Y To---appd.6/18.	
138249	10-29	Milner, Lt. F.W.	Booklet plans; returns; reqt receipt. D To-- Acknowledges. 10/31	
142017	12-11	Dept	Repair limit Dec 20.Y	
			1915	
152085	4-10	Bd I&S	Reqt repair papers.Y To- Fwds. 4/12 Replies- Bd I&S returns 5-5	
153165	4-23	To CO.	Urgent repair requests; asks whether repairs reqtd cannot be posponed until regular overhaul; re moulding of holes in headers. Y CO repairs can be postponed 4-30 Fwd Norf-- 5/5 RB 5/10	

N.S.E. Form 134.

DELAWARE: MACHY PLANT. 182-8

Number.	Date.	From or To—	Subject.	
154013	5-3	Bd I&S	Material inspection. Fwds. Y	
156138	5-27	Norf 3155-419 See below	Report of board survey and estimates. Y/9 Fwd Dept-- Recommendations: 6/5 RS 6/9 To Nav--Quotes item under its cog. 6/5	
	To-- Gives action of: 6/10			
156148	5-27	Dept. Fwd CO--6/10	Overhaul commences June 1 in lieu July 1 774	
156961	6-4	CO	Work to be done by ships force during overhaul	
156138	6-12	To Norf. See above.	Withhold action in connection with supply of condenser tubes and ferrules for re-tubing auxiliary condenser. Y Fwd CO-- 6/12 Norf gives information 6-30	
Norf--generator, reqn 68, is required by item 6E survey report 7/10				
158302	6-8 6-17	CO Norf	Renew lagging main steam lines, steam line water heater, retube evaporator coils. Y To Norf-- Appvs. 6/18	
159522	7/2	Dept	Repair limit Aug 28th	377-8
159877	7-1 7-7	CO Norf	Repair valves main engines, remove casing and examine drums boilers 7, 11, 13; and repair auxiliary feed pump. Y To Norf--(R) Reqt further data on. 7/9 To Norf--(R) Repair authorized. 7/10	
160734	7-15	Norf	Auth repairs; realtive to dates of completion. Y	
160776	7-15 7-16	Norf Dept	All auth repairs to be completed Aug 20. Y Fwd Dept Via Ord-- Noted. 7/19	

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[OVER.]

Number.	Date.	From or To—		Subject.	
108366-	10-16	NY		Fwds vandyke prints of fuel oil heaters, pumps, piping,etc. D To---gives file numbers.10/24	
108361	10-15	NY	330-925-3	Fwds tracings showing changes made in feed water heaters, piping,etc. D To---gives Bu file numbers.10/24	
108686	10-22	Dept		Report of military inspection.Y Fwd Dept via Ord and S&A.10/28.	
109032	10-27	Norf		Reqt. print showing work done at NY Yd.D To---fwds prints.11/6	
109210	10-30	CO	VOID	Switch for search light, feeder mains on bridge and rebuild back wall of all boilers.Y	
112063	12-5	Dept		& LOUISIANA: will be inspected by Bd I&S 12-15 Norf Yd.Y	
112330	12-9	Bd I&S		Reqt repair papers. Y To---none on file.12/12.	
112498	12-9 12-10	NY Dept		Asks if outstanding work to be transferred to Norf.Y To NY.directs transfer.12/12. Ret Dept via Ord.12/12.	
112910	12/16	Dept.	28024-88	Home yard changed to Norfolk; directs shipment of spares, patterns, etc.Y To NY via S&A.request shipment.12/19 Fwd Norf.1/22.	RB 1 22 RB 2 24

N.S.E. Form 134.

DELAWARE: MACHY PLANT. 182-8

Number.	Date.	From or To—	Subject.	
113248	12-19	CO	List of work to be done by ships forceLY	
113468	12-18	NY	Submits status of work on JO to be transferred to Norf.Y Fwd Norf.instructions.12/27. RB 12	
113724	12-27	Hd.I&S 2206	Material inspection; fwds report.Y	
		1914		
117601	2-11	Norf	Survey: estimates.Y To C&R.& Ord.quotes items under cog.of.2/16 Fwd CO.report responsibility for defective work item (2s). 2/16 To---Request details of certain items.2/16 Fwd Dept.with rec.2/16. To---instructions.2/24. Norf unable to submit details 2-26 RB from Ord. 3/13 CO tanks referred to in report defective work additional oil tanks installed after trial trip 3-4 To---work authorized.3/14.	
121402	3-31	Dept 27741-905	& KANSAS: copy of radio to fleet directing director firing be completed before sending to yard for overhaul. Y Retd.Dept.VIA Ord.4/3	
122712	4-16	Norf	Reqt vandyke prints propeller and boiler details.D	
122634	4/16	Dept	Work to be proceeded with	377-8

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[OVER.]

DELAWARE: MACHY PLANT. 1913

Number.	Date.	From or To—		Subject.
88081	1-20	Dept		Authorized workleaves only $10,000 balance; margin too narrow; directs reconsider authorized work for purpose of eliminating items. Y (T) to NY yd. Request total estimates this repair period. 1/21. To NY request amts. obligated under all Bus. 1/21.
88102	1-18	NY	330-755	Estimate for installing 4 fuel oil heaters and alter lights in turrets; work already authorized. Y To---appd. 1/27.
88163	1-18	NY	Comdt	Obligated estimates $194,486, balance $5514. Recommends authority to cancel certain work. Y Fwd C&R via Ord. comments. 1/21.
88168	1-21	NY	T	Gives detailed obligations against SM present repair period. Y To---Amt does not agree with est. listed on Weekly Report of Repairs; requests further report. 1/22.
88446	1-23	NY		Gives itemized statement of amounts now charged against statuatory limit under S.M. Y
88564	1-22 1-24	NY Dept	330-759-2	Recommends holding up work on alterations to steam line to dynamo, and install larger separator, and Gyro range finder. Y Ret Dept. comments. 1/27. E&B 2-13 with Summary of work to be performed & deferred. Ret Dept via C&R & Ord. 2/14.
88602	1-25	NY		Statutory limit; submits revised statement of oblications. Y

N.S.E. Form 134.

DELAWARE: MACHY PLANT. 182---8

Number.	Date.	From or To—		Subject.	
91067	2/6 2/11 2/17	Dept. C&R NY		Re omitting certain work due to exceeding authorized expenditures. Will cancel for present installing additional ventilation in engine room.Y Ret C&R.2/26.	
91798	3/5	NY		Considers inadvisable to attempt re-arrangement steam line and valves in dynamo room as only $7,000 remain. of funds.	182--15
92022	2-25 2-28	CO NY	330-755-3	Rebabbitt main bearing caps, re-lag salt water piping.Y	
94431	4-7	NY		Reqt. numbers for machy plans.D. To---gives numbers.4/9.	
95144	4/15	NY	330-925-1	Fwds finished plans showing alterations.D NY 4/30.calls attention to error in 2d par.D	
98526	5-31	Dept	28024-66	Proceed to NY about June 12th for repairs. Y	
103318	8/8	Dept		Directs inspn	774
105769	9-16	Dept		Postpones material inspection until return from Mediterranean; will be held at Norf in lieu of NY Y	
107244	9-22 ?	Norf NY	3120-419 330-588	Reqt. that plans beforwarded to Norf. Y To NY.& Norf.satisfactory.10/8 Norf 10-18	

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[OVER.]

DELAWARE: MACHINERY PLANT: GENERAL:

Number.	Date.	From or To—		Subject.
47182	8/22 8/24	C.O. NY	330-755-13	Alterations; cut out valves main steam line, install larger air pump, inter-change main stop valves, install new elec. dense air ice machine, etc. Y&D To C.O. Items have appeared in previous papers, are being handled in regular manner. 8/28.
54234	11/8 11/17	C.O. NY	330-755-14	Repairs to fire and bilge pump; make new cylinder liner and valve seats for aux. and circulating pump; reqst for pahns pistons main engines; rings for valves; and repair and test gauges. Y To NY-Appd. 11/23.
54739	11/28	Dept.		Date of completion of repairs changed to Dec. 30th. Y
				1912
62146	2/24	Phila		& KEARSARGE: vandykes, reqt aertain drawings 257--8
64779	2-23 3-22	CO Dept		Reports defects in construction which impair its usefulness as fightin, ship. D Ref- N.Y. for recom. 3/28 R.B 4-13
68155	4-27	Dept	28024-134	Report of inspection. Y Fwd S&A 5-9
76376	8/21	CO		Requests manufacture of evaporator stay rods, steam launch smoke stack rims, and cylinder lining for ice machine. Y Fwd NY. appd 9/3 R.P 9-14

N.S.E. Form 134.

DELAWARE: MACHINERY PLANT: GENERAL. 182---8

Number.	Date.	From or To—	Subject.	
76597	8/22	CO	Requests alterations to Bureau type feed water heaters. Replace present blow valves with Nolan valves and install some method of preventing oil in forced lubrication system entering boilers.D	
78287	9-16	Bd.I&S 1698	Reqt.repair papers. Y To-- no papers 10/10 Returns 10-23	
80204	10/11	NY	APPRO. E of V. submits list of J.O. which will be deferred	604
80637	10-19	Bd.I&S	Material inspection; fwds report. Y	
81359	10-29	NY	Survey: reports.Y Fwds elec.survey.10-29 Fwd Dept.rec appr.11/29. RB124 appd To---appd.12/5.	
81936	10-24 11-4	CO Dept	Report of new CO. Y. Ret Dept via Ord.11/7.	
84298	11-7 12-5	CO Dept	Alterations; to arrangement of machinery in dynamo room, remove present ash expellers, new oil burners, new air pumps. Department approves repair period extending from Dec.15th to Mch. 31st; alterations to include new fire control and conning tower. D. To NY. Asks if will be able to complete installation of Metten expellsers during this period.12/13. Fwd C&R.12/13. NY work required Ash expellers 12-16 Fwd C&R.12/23. To NY, completion of installation will be undertaken during coming overhaul.12/27.	

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[OVER.]

DELAWARE: MACHINERY PLANT: GENERAL:

FILE No.	From or To— (Dated)	Subject.	
37235 4/25	C.O.	Reqt. new evaporator feed pump, alter bends of steam pipes to ice machines, install wire mesh from intakes of forced draft blowers, regrind boiler valves, etc. Y Fwd Dept.Rec purchase of pump; other items rec appr.4/28. RB 5-3a'ppd Fwd NY 5/3. RB 5-10	
35598	See Card #1	To NY Apprd in adv.of est.4/28. Fwd C&R 4/28. RB 5-20	
39353 5/22	NY 330-748-3	Estimates for changes in interior communication and lighting systems, due to providing temporary quarters for flag officer, in connection with duty at coronation. L Fwd C&R. 5/23. RB 6-2	
43189 7/7	NY 3307-558 SEE BELOW	Submits estimates for supplying and installing new feed water heaters, drains, cross boxes super heaters, larger air pumps, dynamo condenser, etc.Y To -- Reqst addtl information as to necessity for change.7/13. Fwd Dept.Rec appr of item 2b. 7/13. RB 7-17a'ppd	SEE BELOW
43506 6/30 7/13	C.O. Dept 27504-117	Reports inferiorities of vessel as compared with foreign ships in connection with boiler and engine room ventilation, fresh water spply, evaporators, magazine cooling, ice machines, turret power in battle, battle dressing statons, main steam pipes, steering engines, etc. Asst. Ret Dept. Comments.7/17.	
43189 7/15	SEE ABOVE	NY; Main stop valve; no other information beyond contained in par. 6, letter Mch.11. D To NY. Item 2-b appd; item 3 disappd.7/17. Fwd Dept. Rec appr of changes.7/22. RB 7-25a'ppd To NY.Work auth.7/27.	
46976 8/22	C.O.	Alterations; fit cut out valve, main steam lines, larger air pumps for dynamo condensers, main stop valves, install new stuffing boxes l.p. piston rod, and new elec. driven dense air ice machine for magazine cooling. Y&D	

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DELAWARE: MACHINERY PLANT: GENERAL;

FILE No.		From or To— (Dated)	Subject.	
29172	1/16	Dept.	Will be docked Norf.Yd. To be given precedence over SOUTH CAROLINA: MICHIGAN; Requires docking for examination of sea valves; also grate bars and gaskets for main boilers. (T)to Norf 1/16.	
29182	1/16	Dept.	To be prepared for trip to Valparaiso. To arrive Norf. Jan. 17; authorizes work and urgent necessary repairs to be undertaken in advance of estimates. To Norf.Quotes Depts orders 1/18.	
29464	1/19	Norf.	Dock Saturday	407-14
29608	1/20	Dept.	Must be ready to leave Norf. Jan.27 To Norf. Dept's memo quoted 1/21.	
32142	2/12 2/8	C.O. At.Flt.	New feed water heaters, cut out valve in main feed line. Y. To At.Flt. Fwd NY. Instructions.3/20. R.B.3/30	
34907	3/28	Dept	Directs docking and preparation of, to attend coronation of King George V, June 19.Y	
35598	3/11	C.O. See Card #2	Reqt new feed water heaters on boiler main feed lines; gives reasons therefor; states super heater and tubes are constantly rusting and may cause bad accident. Also reqt. larger air pumps for dynamo condensers, cut-out valve in main feed lines, shift cooling coils from present location. D Fwd Dept.Rec appr.4/25. R.B.4/27 apprd. To C&R. Items under.4/25. Fwd NY for rec.4/25	See Card #2. RB 5-1
36910	4/18 4/22	Dept C&R 22082-E.394	Dept. authorizes work in connetion with fitting up temporary quarters for flag officer, Y In connection with visit to Coronation, England. Fwd NY Work auth.adv.of estimates/4/25 Ret C&R. 5/23.	RB 5-23

NB—0120

DELAWARE: MAIN ENGINES

Number.	Date.	From or To—	Subject.	
310001	5-25	To S&A	Rqst shipmt spare crank shaft from Norfolk to Rosyth Scotland, Y	
			To Norf Via S&A re shipmt spare crankshafts 7-27	
			To CO, rqst inform re mat'l listed 8-23	
			To S&A, rqst cancellation of shipt of crank-shafts from Norf. 8-23	
			S&A - copy of letter to Norf directing hold crank shafts at Yd pending further instrns -8/26	
321085	6-29	To N Y	Fwd vandyke of steam seal stuffing boxes D	
329646	7/22	Norf	~~Request van dyke of connecting rod.~~	
352598	9-27	To Boston	Fwds vandyke of steam seal D	
			To Boston, authorizes mfg of steam seal 10-17	
			Boston Seal will be shipt 10-31	
373845	11/30	Inspr GE	Asks for factory inspection on turbine spares is desired. S.	182-5
436456	8-4	To CO	Atmospheric exhaust valve. setting of. Should be set to relieve at 10 pounds. copy to C-c ATL FLTBat.Sqd. 3 and Bat.Div. 5Db	
			CO-submits report 8.11	
			To CO- Setting of spring valve apprvd. 9-16 copy to UTAH AND PENNSYLVANIA.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
425561	6-16	To NNs S B Co (T) (Chas F Bailey)	Photographs engines DELAWARE will be satisfactory.	D
471583	1-26	To ATL FLT	Installation of centrifugal oil purifiers disappvd. D	321-9
493398	5;12	Norf	Balance piston - fwds prints.D To I.M. Norf. Fwds plan 5-18.	
		1922		
520693	3/13	CO	Grind HP piston rod. Y	

DELAWARE: MAIN ENGINES.

Number.	Date.	From or To—		Subject.	
113228	12-11	CO		Reports carrying over of oil into main feed tanks; and reqt supplementary steam seals stuffing boxes be installed on l.p. rods.D	
117503	2-9	NY	6312-585-8	Forced lubrication oil tanks; reqt. print. D	
1283 Norf	6/17	Norf		Packing rings placed with Johns-Manville. Requests inspection at place of manufacture be waived	629-2
			1914		
131505	7-28	TO Norf		Eccentric strap; asks for what ship mfg; Norf DELAWARE 8-1	
138560	11-3	Norf	R	Reqt new steam seals. Y To-- (R) Manuf appvd. 11/3	
139083	11-7	Norf	3221-419	Steam seal for LP cylinder; plans.D	
			1915		
152800	4/18	CO		Reqt changes in forced lubrication system to prevent carrying over of oil into boilers.Y To--Reqt further details. 5/7	
153059	4-18 4-21	CO Norf	3122-419	Repairs to main engine piston rods, cylinders and liners. Y	

N.S.E. Form 134.

DELAWARE: MAIN ENGINE 182-9

Number.	Date.	From or To—	Subject.	
157720	5-9	CO	Reqt certain changes in forced lubrication.Y To--Appvs. 6/16	
159379	6-30	Norf	Valve stem; main engine; additional estimate for regrinding.Y Fwd Dept--Have auth work; comments on transfer of men in Eng Dept for this work.7/2 To-- Work authorized. 7/2	
163471	8-10 8-14	CO Norf	Galvanized iron crank casings for crank shafts; main engine; esti ate.Y To Norf--action awaiting receipt of drawing 8/17 To Norf-- Work authorized. 9/8	
164879	8-31	Norf	Main engines; alterations to forced lubrication system. Y	
175456	1-4	Norf	Forced lubriation system; fwds plan. D To--Reqt tracing of plan. 1/8	
176427	1-14	Norf	Forced lubrication syste,; fwds tracing showing changes in.D	
204683	10-27	CO	Rebabbitt brasses main engines and renew coupling bolts.Y	
205251	11-4 11-9	CO Norf	Main engines; crosshead pins; CO request be trued up; Yard states do not require grinding. To Norf--Appvs method followed by Norf. 11/13	

1916

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[OVER.]

DELAWARE: MAINENGINES: ETC.

Number.	Date.	From or To—	Subject.	
43980	7/16	C.O.	Reqt. mitre gears for operating main.Y	
44197	7/16 7/20	C.O. NY 330-590-7	Reqt. new mitre wheels for operating main.Y	
50664	10/9	To C.O.	PACKING: reqt report on C.L.Cook packing.	693
51024	10/12	C.O.	Piston rod packing; from Cook Mfg.Co. received on board Oct.11; installation will be undertaken immediately; reqt. spares for.	693
51375	10/18	TO Nav Acad	Main engines; fwds prints.N	
53445	11/13	NY 330-925-5	Piston valves; reqt. prints.D To---Van Dyke fwd.11/15.	
			1912	
64584	3/27	C.O.	Reports on use of C.Lee Cook packing on piston rods during full power trials--satisfactory.D To---Removal not approved at this time. 3/30.	
65639	4-3	CO	Reports breaking of l.p. piston ring bolt and valve liner on account of; accident has happened several times and recommends Bu eau approve use of a solid ring in lieu of bolting.D Fwd NY. Satisfactory if packing rings are made solid.4/9. R° 4-19	
76597	8/22	CO	Forced lubrication - oil carries over into boilers	182-8

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DELAWARE 182--9

Number.	Date.	From or To—		Subject.	
77176	8/30	Delaware		PACKING: reports on the C.Lee Cook L.P. piston rod packing.	693
86448	12-29	CO		Reqt. spares to replace broken parts stbd main h.p. valve.Y	
				1913	
86908	1/8	To NY.		L.P.piston rod packing; unsatisfactory performance of steam seal. Request est for installation of supplementary steam seal stuffing boxes.D	
87432	1-11	NY	330-590-2	L.P. piston rod packing; estimate for installing steam seal ~~on~~ stuffing boxes.D. To---Mfr.authorzied·1/14.	
88707	1-18 1-18	CO NY	 330-830-2	Main engines, h.p. liners, rings and follower plates; renewal of.Y	
89322	2/1	C.O.		Reports removeal of C Lee Cook Mfg Co's packing and reqt auth. to turn same into store have replaced with US Metallic Packing.	693
99989	6-19	CO		Main engines; supplementary steam seal stuffing boxes installed on low pressure piston rod; no indication of oil found in boiler.D	

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DELAWARE: MAIN ENGINES: ETC.

FILE No.		From or To— (Dated)	Subject.	
30212	1/26	Norf. 493	Reqt. prints of engine pistons. D To -- Prints fwd 2/2.	
38612	5/9 5/10	C.O. NY 330-590	Repairs to HP piston & follower stbd main engine. Y To NY apprd 5/13.	
40058	5/28	C.O.	Main engine cylinders; gives diamters; also reports pitch of propellers. Y	
42012	6/26	To C.Lee Cook Mfg.Co.	Piston rod packing. Reqn will be prepared for four sets. Directs preparation of plans.	693
42429	6/18	C.O.	Reqt two new h.p. followers for main engines be delivered to ship upon arrival at Boston, and makes suggestions re, for new ships. Y To NY - Has directed Boston to undertake manf. of one follower, and directs manf. of two to be made of cast steel at N.Y.Yd., and reqt estimate. R.B. 7/3. RB 7-18	See below
42415	6/28	C&R 20070-E-158	& NORTH DAKOTA: Reqt plans showing general arrangement of engine rooms. D	
42429	6/[illegible]	To See above	Fwd Bost.Directs mfr of H.P.follower.6/29 Fwd NY.Reqst mfr of followers.6/29. Fwd C.O. 7/3.	RB 7-17
42685	7/1	Cook, C.Lee Co.	PACKING: fwds prints of metallic packing which desire to furnish for.	693
43749	7/17	C.O. T	Reqt. mitre gears to operate main throttle, be shipped by express from NY to Provincetown. Y (T) to Brook.Yd·Directs mfr of mitre gears.7/17. Fwd S&A. Reqst shipment.7/17. RB 7-27	

DELAWARE BOILERS

Number.	Date.	From or To—	Subject.
609921	FROM CARD	13	Boston- (T) No repairs nec. 5/2 Y To CO via Atl Fleet desires to limit expenditures on ship cc C W O-- Boston 5/4 To B&W Co- Regst inform 5/8 B& W Co.- 5/9 D B&W Co. comments on 6/2 D To B & W Co- gives Inform 6/13
639262	8/25	JAG	Fwds report of board of investigation cov fire on board. Y Dept 8/28 fwds further report Y Fwds Navigh 9/15 Fwds C&R 9/15

4—3381

Number.	Date.	From or To—	Subject.	

DELAWARE: BOILERS.

1918

Number.	Date.	From or To—	Subject.	
310573	5/9	CO	Request authority to carry the alkalinity in boilers at about 3% due to carrying over all lubricating oil into boilers - D To CO Div 9 Atl Flt. The Bureau is loath to authorize the use of the above, 6-17	
315073	5;7	CO	Battleship Div 9 lubricating oil for boilers, commends re-method use to keep it out, submits report covering. D	
357240	10;9	Allen Bradley Co.	Force draft motors condensers fwds sketch giving demensions wiring diagram etc. reason for delivery D	
			1919	
385341	1/14	Bost T	Ask if Bu. desires new main feed tanks lagged ? Y To(T)-No lagging required feed tanks. 1-15	
396266	2;17 2;18	CO Boston	Req. information to turn in boiler tubes Y To CO- Auth to turn into store excess boiler tubes. 2-20 copy to SO Boson and Comdt.	

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N.S.E. Form 134.

182 - 10

Number.	Date.	From or To—	Subject.	
398696	3/10	To Boston	Acknow receipt of ref. (a) and (b) bearing same serial no. changes of reporting receipt of 48 boilers tubes from DELAWARE.	689-1
402156	3/10	CO	Request authorize immediate purchase of spare bearings for forced draft blowers - Y	
435601	7;25	Boston	Request print showing Bureau type feed water heater.D	
500139	6-18	To Bost -NY-Phila-Norf	Fwds revised prints re Feed Water HeaterD.	
511339	8;12	Phila	Request prints showing Bureau type feed water heater details.D To EOPhila. fwds vandyke 8/17	
596656	11/18	CO	Request over sized hand hole plates for boilers be furn for experimental purposes. Y To CO disappvd 11/26	
		1922		
609920	12/9 2/8	CO Atl.Fleet	Fwds drawings showing angular twist of boiler headers and methods of taking measures.	DY
609921	11;1	CO	Reqt special oversize handhole plates be issued to replace those corroded-comments on.D To Atl Flt-disapproves-2;21-Yd-D Dept- Fwds officer request for reconsideration. 4/26 Y To Boston- Atlantic Fleet- CO (T) Gives instrns rel, investigation of handhole plates boilers 5/1	
CARD 14				

4—3381

[OVER.]

DELAWARE: BOILERS: 1916

Number.	Date.	From or To—	Subject.	
181141	3-1	At Flt	Evaporator; new shells recommended. Y Fwd Norf--Auth manuf of. 3/14 RB 3/21 Fwd Dept 3/21 RB 3/23	
183396	3/22	At Flt	Evaporators; request that regulations be amended to direct that drill tests of shells be made every six months after evaporators have been in use one year	633-1
183502	3/25	CO	Install ash ejectors in lieu of Metten ash expellers	182-8
183775	4/5	JAG	Court of Inquiry; bursting of shell #3, evaporator casing; death of one fireman. Y Fwd Nav Via Dept--Comments on. 4/22	
184258	4/8	Norf	Boiler tubes; reqt authority to use on DELAWARE those reserved for NORTH DAKOTA; also instructions relative to stock to be carried	612-3
185887	4-26	To CO.	Asks results of new feed heaters covers recently installed. D CO reports on 5/1	
187611	5-9	CO T	Request new type tube cleaners. Y To--Add to allowance list. 5/17	
198804	8-31	CO	Extendsmoke pipe umbrellas over uptake hatch gratings. Y Fwd Dept Via C&R-- Rec disappvl. 9/11 RB To--Disappvs. 10/4 Fwd C&R--10/4 RB 11/7 Fwd Norf--for Est and rec. 11/8 RB 12-14 Fwd Dept via C&R--12/19 RB 1-2 To Norf--Work auth. 1/2	10/4

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N.S.E. Form 134.

DELAWARE: BOILERS. 182-10

Number.	Date.	From or To—	Subject.
202126	10-11	Norf	Boilers 11 and 12; estimate for retubing. To--Action in proceeding with work apprvd.10/13 Fwd Dept--10/13 RB 10-17 Fwd Norf--10/17 RB 10-23
202464	10/13	Norf	Fwds section of tubes removed from boiler #12 header.Y To--Suggests ends of tubes be swelled in enlarged holes should condition of header warrant this. 10/17
202593	10/14	Norf T	Request authority to issue boiler tubes reserved for UTAH to.Y
203004	10/14	Norf	Install controllers for forced draft blowers.Y
203588	10-25	Norf	Necessary to use more tubes reserved for UTAH.Y To--Auth granted. 10/27
222391	4-11	Bost	Forced draft blowers; asks if controllers for distant control have been ordered.Y To--Instrns--4/16
223375	4/19	To CO	Main feed water heater heads. Ask if giving satisfaction. D CO feed water heaters satisfactory 4/23
223739	4/19	To CO	Reqt results obtained with feed water heaters on since installation of new and stronger heads for. D CO reports on repairs made 4/23

NB--0120

[OVER.]

DELAWARE: BOILERS. & PARTS.

1915

Number.	Date.	From or To—	Subject.	
153078	4-18 4-22	CO Norf 3215-419	Renew angle irons floor plates in fire rooms. Y	
153103	4-22	To Norf.	Feed water heater; auth manuf and installation of new heads for. Y	
159265	6-29	Norf	Boiler material; reqt be expedited.YR Fwd B&W--Expedite. 7/2 To--Have reqtd B&W to expedite. 7/2	
159876	7-1 7-7	CO N orf	Renew 2 and 4" tubes all boilers.Y To Norf-- Authorized. 7/9	
159877	7/1	CO	Remove casing and examine drums boilers 7, 11, 13	182-8
160480	7-14	Norf 3042	Boiler ash pans; additional estimate.Y To-- Appvs. 7/14	
160523	7-14	To NY.	Old feed water heaters turned into store; asks what disposition has been made of. Y NY old feed water surveyes 7-19	
160730	7-15 Fwd Dept-- 7/26	Norf	Main boilers; cross boxes nipple holes; fwds list showing sizes; reports on genl condition of boilers.Y Fwd Dept--Rec date of completion be extended to permit work. 7/16 RB 7/24	
160729	7-15	Norf	Re-baffling of boilers; additional est. Y To--Appvs' 7/19	
160728	7-8 7-15	CO Norf	Estimate for renewing front boxes uprights boilers Fwd Dept-- Rec appvl. 7/16 RB 7/19 To Norf--(R)Dept directs all work be completed Aug.20th; repairs auth.7/19 To Norf--(T) Suggest using present headers and uprights for. 7/23	

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DELAWARE: B ILERS & PARTS. 182-10

Number.	Date.	From or To—	Subject.	
161375	7-27	Norf R	Have issued boiler tubes belonging to SOUTH DAKOTA TO: asks if shall be replaced.	
	To--Do not replace tubes. 8/9		To-- Appvs. 7/24	
			Norf--relative to replacing tubes used on boilers 8/5	
161382	7-22	CO	Reports on condition of boilers and status of repair wotk by ships force; fwds print shwwing defective tubes.Y	
			Fwd Dept--Refers to 160730-182-10. 7/26	RB 7/30
94	7/24	To NPO Norf	Boiler parts; reqt award be expedited	6292
162004	7-29	To S&A.	Boiler uprights; fromt corner; reqt shipment of from NY to Norf. Y	
162075	7/28	S&A	Fwds copy of radiogram sent to NY, directing that apparatus be shipped to Norf if on hand.Y	
			To NY--Asks what shipped. 7/31	
			NY fwds corrections 8/4	
162007	7/29	Dept	Quotes letter from CO in regard to condition of boilers; Dept states does not desire vessel to leave yard after overhaul unless able to maintain its position in fleet; if necessary will postpone date of completion	182-8
162216	7/30	S&A	Uprights; fwds copy of radiogram sent to NY Yd.Y	
162511	8/3	Norf	Copy of letter to Dept relative to repairs to boilers.Y	
162530	8/3	CO	Copy of letter to C-in-C relative to condition of boilers; status of repair work by ship's force.Y	
165804	9-7	CO	Renew floor plates in fire room	
	9-13	Norf	To Norf--App's.9/15	

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DELAWARE: Boilers & Parts. 1913 10

Number.	Date.	From or To—	Subject.	
109210	10/30	C.O. VOID	Switch for searchlight, rebuild back wall of all boilers, etc	182--8
110453	11/15	TO CO.	Ash expellers; asks if fail to properly discharge ashes when going at high speed.N	
112449	11-29	CO	Ash expellers; reports on Metten type; unsatis. D	
113249	12-19	CO	Reqt parts for Metten ash expeller be expedited. Y To---directs submits recn on NY.12/31.	
113943	12-31	Norf	Ask expellers; reqt print showing nozzles, baffle plating,etc.D	
		1914		
117665	2/17	To CO	Ash expellers ; requests report of any difficulty experienced with.	488-10
119824	3-10	CO	Reports on operation of ash expellers.N	
120704	3-21	CO	Internal fittings of boilers; reqt alterations. Y Fwd Norf.appd.3/26/ RB 4 15	
135410	9-18	CO	Reports reasons for renewing 400 tubes boiler 14, and retubing boiler No. 10. MY	

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N.S.E. Form 134.

DELAWARE: BOILERS: 182-10 1915

Number.	Date.	From or To—		Subject.	
145550	1-26	CO	R	Reqt uprights for boiler.Y Fwd S&A--Have reqtd shipment from Norf. 1/26 To Norf-(R)Preapre for shipment. 1/26 Norf (R) reports shipment 1-27 To--(R) Reports shipment. 1/28	1/26
145804	1-29	CO	R	Reqt authority to carry boiler water alkalinity from 0 to 1/2%. M To--(R) Auth guanted to carry low alkalinity of boiler water. 1/29	
147314	1-27	CO		Feed water heater; Bureau type; very unsatis; reqt be replaced.D. To--Fwds print with reqt be marked showing defects. 3/3	
149205	3-9	To NY.		Feed water heaters; comments on discrepancy in drawing. D NY explains 3-11	
150780	3-15	CO		Feed water heaters; fwds marked prints showing leaks in points where difficulties have been experienced with Bu type. D.	
151089	3-23	CO		Fit supports inboard end of cross boxes.L Fwd Norf--For est and rec. 4/2 RB 5/12 To Norf--Appvs. 5/13 RB 5/24 To Norf--Cancels work. 5/24	
153052	323	CO		Reqt repairs to.Y	
153058	4-18	CO		Renew ash pans 8 boilers.Y	
153061	4-18 4-21	CO Norf		Mold holes in headers for 4" tubes.Y	

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[OVER.]

DELAWARE: BOILERS & PARTS. 1913

Number.	Date.	From or To—		Subject.
88791	1-26 1-28	CO NY	330-835-5	No evidence of active pitting or corrosion and recommends no work be done on boilers at this time.Y To NY.Instructions.1/29.
Reqn 1058	2/25	Dept To		Baffle brick, recommend purchase in Maurer & Son.
Reqn 1031	2/25	Dept To		boiler tubes, recommends purchase. B&W Co.
91289	2/27	CO		Requests authority to turn in old type of water testing outfit.N Ret---authorized.3/1.
91427	2/15 2/19	CO NY	330-535	Manufacture handhole plates.Y
92227	3-10	CO		Metten ash expeller; reqt. prints of turbine, pumps,etc. D To J.F.Metten(Cramps)asks if Vandykes can be obtained; also reqst price for set spare brasses.4/2. Cramps Co. vandykes can be supplied by NY 4-3 To---& NY.Reqst NY furnish drawings.4/4.
94323	4-7	CO	R	Port and stbd feed water heater bad condition;reqt. work on new be expedited.Y
94522	4-7	CO		Feed water heaters;reqt. work be expedited.Y Fwd NY.asks as to probable date new heaters may be installed.4/11. RB 4-18

N.S.E. Form 134.

DELAWARE: BOILERS & PARTS. 182---10

Number.	Date.	From or To—	Subject.	
95272	4/2	CO VOID	Reports on inspection of side boxes of boilers Nos.1,2,3 and 6.Y	184-10
95615	4/23	Cramps	Ash ejector pumps; quotes price for furnishing complete set of brasses for one turbine and one pump.D To CO.Recn should be submitted.4/29.	
95850	4/25	CO	Main feed water heaters; reports on condition of.D Fwd NY.Par.2 approved.4/26. RB 5-9 Ret---for information.5/2. RB 5-10 Fwd NY- Asks if Ships force can install RB 5-17 Fwd NY.Asks as to work involved.5/17. RB 5-24	5/12
97514	5-13 5-15	CO At.Flt	Reqt. feed water heaters ready for installation By June 1st, at NY be installed.Y Fwd Dept.asks when ship will be available for installation of new heaters.5/27 RB 6-2 Fwd NY.Instructions.6/11. RB 6-19	
98437	5/30	CO	Main feed water heaters; request new.Y Fwd Dept.6/2. RB 6-4	
105250	9-6	CO	Reqt. authority to turn in boiler zinc baskets.D TO --appvd 9-9	
108366	10/16	NY	Fwds vandyke prints of fuel oil heaters, pumps, piping, etc.	182--8
108361	10/15	NY	Fwds tracings showing changes made in feed water heaters, piping, etc	182--8

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DELAWARE: BOILERS & PARTS. 1912

Number.	Date.	From or To—	Subject.	
72107	6-21	NY 335-125-18	& NORTH DAKOTA: hydraulic ash expellers; fwds print showing stiffening rings, opening in inner and outer bottoms, pump sets,; urges tubes be delivered in time to install on NORTH DAKOTA avout July 1st. D To---directs communicate direct with Cramps. To Cramp Co.reqst fwd setting plan to NY 6/27. Cramps report plans forwarded to NY 7-1	
72687	7/3	Cramps	N.DAKOTA: expect to make shipment valves for ash expellers, next week, asks auth. to go ahead with Delaware's work.	321--10
73293	7/12	Cramps	& N.DAKOTA: will ship outboard valves July 15th, Will give N.Dakota precedence.	321--10
78922	9-18 9-21	Enc.Brittancia Nav.Intel	Boiler explosion; reqt.data .F TO --gives information.10-1	
81931	11-5	CO	Stone ash expeller; reqt. authority to turn in engines, spare parts, etc. when expellers are removed.D-R To---appd.11/7.	
84298	11/7	C.O.	Alterations, remove present ash expellers, etc	182--8
85502	12/19	To NY	Feed water heater; request estimates of time and cost to manufacture two; fwds prints.D	

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N.S.E. Form 134.

DELAWARE: BOILERS: & PARTS: 182-10 1913

Number.	Date.	From or To—		Subject.
86605	1-3	NY	330-640	Feed waterheater; estimate for manufacturing.D. Fwd Dept.red mfr be appd.1/6. RB1 8 appd ret. N.Y. 1/8 RB 1.17 Fwd Dept.Rec item (b) be appd.1/21. RB 1-25 To---Instructions.1/27.
86979	1/8	CO		Stone ash expellers; request permission to turn in air compressors belonging to those being removed.D To C.O via N.Y. approved 1/9
87433	1-11	NY	330-539-1	Modification internal feed piping,main boilers; asks if Bureau intends to make change on this vessel. D. To---Not Bu's intention to cnacel proposed change.1/17.
87522	1-13	CO		Reqt. 4 new front cross boxes for . Y
87720	1-14	CO		Main boilers; reports on condition of,oil enters boilers, reports number of leaky tubes, cross boxes out of line and oil carrying over. Y To NY.Directs investigate and report on condition of boilers.1/18. To---Instructions.1/18.
88036	1-18	B&W	755-258	Boilers; fwds prints for approval.D.
88100	1-18	NY	330-640-6	Feed water heaters; proposition from Griscom Spencer for furnishing. D. To---Not appd.1/22.
88706	1-24	NY	330-535-4	Report of board on condition of boilers.D. Fwd Dept.Rec approval of est for repairs. 1/28. RB 1-30 appd (T)to---Proceed with repairs.1/29.

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DELAWARE: BOILERS & PARTS. 1912

Number.	Date.	From or To—	Subject.	
61859	2-12	C.O.	Ash expellers; unsuitable and reports faults in detail; recommends removal.D	
			To---Asks if have trouble with ashes getting into condensers.2/23.	
		To Cramps Co.	To Cramps Co.Reqst price on four ash expellers of Metten type.2/23. Duplicate fwded. (?)	
62211	2-26	Cramps	Ash expellers; quotes price for furnishing duplicates of WYOMING. D	
			To C&R.& NY.Reqst NY submit estimates for replacing Stone with Metten type.3/15.	OVER
			To Phila.Reqst data of See type.3/16.	
			IDAHO gives information reqtd.3-22	
			To J.F.Metten.Gives data from IDAHO. 3/26.	
62389	2/29	To At.Flt	ASH EXPELLERS: Bu. considering replacing Stone with Metten type, etc	606--2
63212	3-3	C.O	Reports on stone ash expeller; if expeller of CYCLOPS type to be installed will require larger fire and bilge pumps to operate.D-O	
63925	3-18	C&R 27684-E.3	Metten ash expellers; if installed will authorize work under C&R. D	
65892	4/10	To Delaware via At.Flt	GAUGE GLASSES, owing to continued mishaps with Scotch, Bureau reqts reqn be made for DEWRANCE AND WALLS water level indicators and fittings nec. for complete installation.	658--5

N.S.E. Form 134.

DELAWARE: BOILERS & PARTS. 182--10

Number.	Date.	From or To—	Subject.	
62211		SEE OTHER SIDE	Metten ash expellers. To NY. requests estimates be expedited. 4/29. NY metten ash expellers; plans and est. to be made May 8th. 4-30 To J.F.Metten. Asks if would operate satisfactorily if connected to firemain.5/13.	
68528	5-8	NY 330-525-6 BELOW	Metten ash expellers;fwds print and estimate for installing. D (T)to---Asks if include cost expellers and turbo pumps.5/16. Fwd Dept via C&R. Rec replacement.5/17. RB 5-25 a'ppd To---appd;directs prepare reqn.5/25.Fwd C&R.5/25	BELOW RB 5-28
68792	5-14	Cramps (J.F.Mettin)	Hydraulic ash expellers; would operate from fire main if sufficient quantity of water pressure could be supplied; if DELAWARE AND NORTH DAKOTA are similar to WYOMING believe will not operate.D	
68916	5-16	NY T	& NORTH DAKOTA: revised estimates for installing Metten ash expeller. D	
69411	5-15	Fleet Engineer	Reports inspection of boilers. Y-D To NY.Reqst est.for fitting baffles and troughs to internal feed pipes similar to MICHIGAN'S. 5/27.	
69528		SEE ABOVE	To NY.Tracing 8066-A should be stamped approved.5/29.	
70189	5-31	NY 330-535-6	Internal feed pipes in boilers;estimate for installing similar to MICHIGAN. Y-D Fwd Dept.rec.appr.6/10. RB 6-12 a'ppd To---appd.6/12.	
72106	6-20 6-25	Cramps Sons NY	& NORTH DAKOTA: hydraulic ash expellers; reqt. detail drawings showing stiffening rings, opening in bottoms. D	

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DELAWARE: BOILERS: & PARTS:

Number.	Date.	From or To—	Subject.	
39740	4/30 5/24	C.O. NY 330-535-2	Reqt. castings and stay bolts & nuts for repairing sides of boiler furnace door spaces. Y	
40189	5/31	C.O.	Reports on examination of B&W boilers; tubes show blisters, etc.Y &D	
41855	6/20	Norf	Grate bars; asks if shall be shipped to New York Yd. Y Ret -- via S&A. Shipment not desired.6/24. RB 7-3	
43189	7/7	NY	Submits estimates for supplying and installing new feed water heaters, drains, cross-boxes superheaters, etc	182--8
43730	7/5	Newell, A.	Reqt. diameter and length of smoke stack.D To -- Gives dimensions.7/17.	
44944	7/27	Newell, A.	Smoke pipes; asks re construction.D. To---Fwds prints.8/2.	
48371	9/5	C.O.	F.D. blowers; reqt. changes in power wiring and necessary switch panels so may be run in series of single. D- To - make temporary connections 9/14 RBO-6 Ret. N.Y. test satisfactory 10/2	

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DELAWARE: BOILER: & PARTS: 182-10

Number.	Date.	From or To—		Subject.	
50046	9/29	NY	330-615-2	F.D. blowers; fwds estimates for wiring switches, etc. for operating in parallel. L-D To---Work appd.10/10.	
50849	10/10	C.O.		Reqt. boiler water testing outfit.Y To Norf. Reqst status of work on the ten sets being mfrd.10/16. To---One set will be fwd when completed.10/30.	
50933	10/11	NY	330-615-4	& NORTH DAKOTA: fire room blowers; states entire change should be made against Steam Machinery as direct installation belongs to blowers. D-L. To---Change to be made on DELAWARE only.10/14.	
52339	10/16 10/30	C.O. C&R	22082-E.495	Ventilation of firerooms; asks if Bureau desires canvas wind sails ~~to~~ replaced by mushroom tops originally fitted.D Ret C&R.Reqst be replaced.11/1.	
54543	11/24	C&R	22082-E.505	Re fitting of mushroom tops to fire room ventilators. D Fwd NY-Reqt if will be satisfactory.11/28. Ret C&R-Satisfactory.12/6.	
55439	11/27	C.O.		Spare parts, re delivery of boiler tubes, etc	182--21
56728	12/20	C.O.		Reports boiler testing outfit not yet received.D To Norf-Directs shipment of one to, just as soon as available.12/22. To Norf.Reqst status of work on the ten outfits.1/6.	

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DELAWARE: BOILERS & PARTS.

FILE No.		From or To— (Dated)	Subject.	
34038	3/16	Exeter Mch. Wks	Stone ash expellers; are on opinion that machines will work satisfactory after being installed properly. N	
34824	3/27 3/27	Hon.J.W.Fordney Dept	Fwds letter from Wicks Boiler Company re DELAWARE accident to Boilers; reqt certain data on; answer to be prepared for Secretary's signature. Y	
35598	3/11	C.O.	DELAWARE: reqt new feed water heaters on boiler main feed lines; gives reasons therefor: states super-heater and tubes are constantly rusting and may cause bad accident: etc.	182--8
36671	4/17	C O.	Reports further relative to pitting in out-board parts of steam drums; states in boilers having internal feed pipes extended 5', there occurred no pitting. Y&D	
37235	4/25	C.O.	DELAWARE: reqt new evaporator feed pump, alter bends, install wire mesh from intakes of forced draft blowers, etc	182--8
39113	5/18	TO NY	Feed water heater head; fwds print and reqt estimate.D.	
39476	5/23	NY "	Reqt manufacture of fire door lintles for B&W boilers. Y	
39563	5/23	NY 330-640-2	Estimate for modification of feed water heaters. D	

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FILE No.		From or To— (Dated)	Subject.
31671	2/13	Exeter Mch.Wks	AND NORTH DAKOTA; Fwds copy of letter written to C.O. relative to having expert engineer visit vessels to correct any defects in ash expellers. D
32386	2/24	Dept 26283-228-1	Report of court of inquiry on accident to boilers. Dept. reqt. suggestions as to method of protecting human life where water tenders neglect duty. Chief Ret -- Automatic feed water regulators not satisfactory 2/27.
32583	2/24	B&W Co.	Accident to boilers; reqt. copy of report of court of inquiry which states re action due to low water. Y Fwd Dept Rec. that information be fur. 3/1. R.B. appd 3/4. To B&W Co. Genl statement furnished 3/11.
33215	2/12	C.O.	Reports boiler "O" has been re-built; N & O again in use. D Fwd Norf for comment. 3/23. RB 4-26
33216	2/12	C.O.	Reports on super-heaters and their connections. D
33217	2/9	C.O.	States modifications in Stone Ash Expeller great improvement, but are not yet satisfactory. D To Exeter Mach Co. Fwd copy of C.O's letter 3/10.
30780	3/6 3/8	Fordney, Hon. J.M. Dept	Fwds reqt. from Wick Bros. for copy of report of board on accident. D
33733	3/13	B&W Co	Boiler explosion; reqt. authority to publish findings of court. Asst Chief To -- At liberty to publish 3/15.

DELAWARE BOILERS & Parts.

FILE No.		From or To— (Dated)	Subject.	
30642	2/1	B&W	Boilers; reqt. 3rd header from accident be given them for museum; states representative of Company testified at court of Inquiry. Y Fwd Dept Rec auth to ship to B&W Co 2/2. R.B.2/4. To -- Co. Will be shipped 2/4.	
30751	2/1	Norf Court Inq.	Returns boiler prints. D	
30780	2/3 2/3	Fordney, Hon. J.W. Dept.	Damage to boilers; fwds letter from Wicks Bros. reqt. information relative to; Dept. directs reply for Sec. signature. Y	
29991	1/23 2/1	C.O. Norf. 624-609	Tools, and yd. asst. Reqt. for, in connection with work on Boiler "O". Y	
30939	2/2	Norf 646	Fwds photographs of damage header and tubes. D	
31004	2/6	B&W Co	Boiler header; gives shipping instruns. for damaged one. Y To Norf. S&A; shipment reqst 2/8.	
31372	2/8	Norf 803	Recommends headers of photos. of damaged boiler be fwded to B&W. Y	
31369	2/9	Exeter Mch. Wks	& NORTH DAKOTA & SOUTH CAROLINA: Copy of letter to Norf. stating engineer will report at Yard to superintend installation of ash expellers, etc.	407-10

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DELAWARE: BOILERS: & PARTS.

FILE No.		From or To— (Dated)	Subject.	
29701	1/21	Norf 219-252	Reports no boiler tubes size required on hand To -- stating size required 1/23.	
29804	1/21	NY 91-925-2	Distilling apparatus; fwds tracing showing arr. of connections, etc.	
29850	1/10	C.O.	Under water ash expeller; reports modifications made in, at suggestion and with help of J.Stone & Co. Now works satisfactory.	
29852	1/23	Bd.Inquiry	Reqt. b/p of boilers for use of Court. To -- prints fwd 1/25.	
30002	1/21 1/25	NY (T) S&A 107814	Reports shipment of headers and side box for boilers to Norf. Y	
30379	1/18 1/28	C.O. Dept.	Fwds report of board on investigation of explosion of boilers; only cause assigned burning of headers by combined oil and coal flames, cau ing tubes to gradually crawl until explosion occurred. C	
30270	1/26	Norf. 502	Boiler details: reqt.print D To -- prints fwd 2/2.	
30587	2/1	TO Brook	Inspection of headers & side box for boilers;	
30563	1/31	C&R	N.DAKOTA &: fwds correspondence relative to removal of double door between boiler & engine rooms and substitution of vertical sliding hinged w/t/doors	321--10

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DELAWARE: BOILERS: SMOKE PIPES: FEED WATER HEATERS: ETC.

FILE No.		From or To— (Dated)	Subject.	
29272	1/17	Norf.	Wireless: reports accident; 8 killed; 1 injured; by being burned by steam. To S&A. Reqst shipmt N.Y. to Norf of boiler headers and tubes R.B.2/2 Ret S&A 2/3.	
29310	1/17	C.O. Wireless	3 back headers; boiler "O" fireroom 4 blew out, killing 8, wounding 1: 10 back headers and tubes required for repairs.	
29430	1/19	Norf. (T)	Injury to boiler; suggests representative of B&W be given ~~te~~ opportunity to inspect before disturbing. (T) to B&W Co. suggesting inspn 1/19.	
29456	1/19	B&W Co	Peabody and Coleman left for Norf. yesterday	
29504	1/18 1/19	NY (T) S&A 107814	Back headers for boilers not in store. Due not later than Mch. 15; Will endeavor to have 10 shipped by 21st inst. Ret S&A 1/20.	
29550	1/20	To B&W Co (T)	Requests representative be called before board of inquiry on accident to Boilers.	
29527	1/19	Exeter Mch Wks	& S. Carolina: etc. re installation of new adjusting gear for ash expellers:	407--10
29631	1/21	Norf. (Wireless)	Material for boiler; ordered from B&W Co. by wire prior to receipt of Bu. Letter. reqt. bureau confirmation. Fwd S&A to Norf. Reqst del. at NY Yd for stock 1/21. R.B.2/17	
29696	1/21	B&W 43	Reports boiler material fwd. to New York for shipment via Old Dominion Line to Norf.	

Number.	Date.	From or To—	Subject.	
612592	no date	New York	No record of 50' steamer boiler 2282 assigned to CO DELAWARE Y	611-1
621355	4/18 4/28	CO Atl Fleet	Request auth to remove ash hoist engine from a battleship at Boston for installation on D To CO via C-I-C Atlantic Fleet- actin approved cc Boston 5/10	
647259	10/30	To USS DELAWARE	Error in engine number Ye	611-1
650915	11/23	C&R	Copy of letter to Phila assigning 26' motor life boat 1592 to CO DELAWARE Y	611-17

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
507145	7/26	To DELAWARE	Reqst correct number of steamer Y	611-10
510910	8/6	Boston	Copy of letter to C&R in conn with 50' motor sailing launch for DELAWARE: Y	611-10
511528	8/13	C&R	50' m.s.l. 5045 will be issued to DELAWARE. Y	611-10
516502	9/10	C&R	DELAWARE assigned motor dory 2216 Y	611-11
519179	9/24	C&R	DELAWARE: copy letter to Boston re status of; Y	611
530922	11/23	C&R	Copy of letter to S&A reqsting 26' motor life boat be shipped to DELAWARE & ARIZONA Y	611-2
537566	12/28	Dept Comdt	In conn with shipt of 26' motor sailing surf boats for MISS DELA TEXAS Y	611-2
539642	1/10	C&R	26' motor life boat 1690 assigned to DELAware Y	611-2
551514	3/14	C&R	26' motor-- Boat 1589 trans from ARIZONA to DELAWARE in exchange for Boat 1590 Y	611-2
558559	4/20	To CO DELAWARE	Gives correction in engine room leg Y	611-1

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N.S.E. Form 134.
DELAWARE: AUX MACHY 1921

Number.	Date.	From or To—	Subject.	
562504	5/5	CO DELAWARE	Report covering performance of Kermath engine on motor whale boats Y	611-2
REON 668	6-28	To CO	Parts for power boat engines- Fwds copy of allowance list copy Boston YR	
REON 710	7-14	To CO	Power boat engine parts. Rel action taken YR	
575441	7/13	CO DELEWARE	Submits report on performance of 26' motor life boat Kermath engine Y	611-2
579423	8/3	CO DELAWARE	Submits report covering changing in power boat machinery Y	611-2
591962	9/29	JAG	Report cov loss of 26' life boat 1590 on board DELAWARE Y	611-2
591665	10/6 10/21	JAG C&R	Report covering loss of 26' motor life boat 1590 assigned to DELAWARE Y	611-2
594962	11/10	To CO	~~35% Motor dories. Reqt numbers of. Y~~	611-12
600916	12/15	CO DELAWARE	Propeller for 26' motor life boat- fwds ARIZONA expenditure invoice- request Navy Sup Depot be ordered to retain in store. Y	611-2

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DELAWARE: AUXILIARY MACHINERY. 1917

Number.	Date.	From or To—	Subject.	
261159	11-17	To DELAWARE	KK Engine 7032 assigned to vessel.	611-2
261159	11-16	To S&A	Reqt shipt of KK Engines from Norf to NEW YORK WYOMING DELAWARE.	611-2
340205	8/21	C&R	Copy of shipt order coverg 40' M S from Norf to Delaware	611-2
345106	9/5	C&R	35' motor bt 2847 assigned to DELAWARE is being used by Div 9 battleship force	611-2
344766	9/4	C&R	~~Kidxxx~~ 40' MS 6704 selected for DELAWARE	61122
338570	8/19	To DELAWARE	Engines KK 7032 not listed	611-2
339143	8/19	C&R	DELAWARE reqst author to transfer M B 2847 to NY asks dispostion made of engine 2733 Y	611-2
339658	8/19	C&R	Copy shi pment order covering 33' M B from Boston to DELAWAE Y	611-2
378078	12;16	C'&R	Copy of letter to Boston stating will fwd foundation plan of kite baloon winches.	

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N.S.E. Form 134.

182- 11 DELAWARE: AUXILIARY MACHINERY

Number.	Date.	From or To—	Subject.	
386096	1/16	C & R	Direct s NY issue steamer 2282 to DELAWARE to replace 987 Y	611-1
398116	2;25	CO	Req. battery for ignition purpose for motor boat engine 3708 HULL 6569 Y To Phila- Inform if battery has been shipped to the CO- copy to SO. Phila and Comdt Boston. 2-28 To CO- as instructed Boston to issue storage battery... 2-28 To Boston (T)-Issue storage battery from any Stirling Engine. Report number Stirling engine involved. 2-28 To Boston- Inform number of engine from which storage battery was taken if any. 3-4 Bost - (T) storage battery issued to - 3/11 - Phila submits report 3.6.19 To Phila- Inform if survey was called when battery was found missing. copy to S.O. (S Boston-Phila-Ports. 3-10 Bost - 3/10 Phila - 3/20	
402560	3;13	C&R	Ship'mt. of elec. pipe balloon wench to DELAWARE.	
433747	7/21	To CO DELAWARE	Bu records show 50' steamer to be No 2282 instead of 2582. Boiler 23 installed in steamer 1621, should be 33) Engine installed in steamer 1621, should be 33. Engine installed in dory 6559 bears Bu No 3718 instead of 3708. Asks correction. I.	611-2

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[OVER.]

DELAWARE: AUXILIARY MACHINERY.

1914

Number.	Date.	From or To—	Subject.	
126451	6/4	To CO	Steamer 1294 not shown in log; also Bu's record shows steamer 778 was delivered to the FRANKLIN from Norf and has been reported since on the DELAWARE	611-1
127010	6/8	DELAWARE	Desire to turn in type M engine 982 removed from steamer 1170 when 1071 was installed	611-1
129409	7/8	Norf	Reports ~~sh~~ receipt of type engine 982 from DELAWAre	611-1
160334	T07-13	TO	1375 condemned; eng 2219 assigned to issue	611-2
162549	8/4	C&R	Directs conversion of motor sailing launch N719 into motor sailing launch to replace 1375	611-2

1916

Number.	Date.	From or To—	Subject.	
177227	1/26	To CO	Discrepancy in report on power boa ts	611-2
183569	3/31	C&R	Motor boat 2751 assigned to in lieu of 40' steamer	611-2
193536	7-14	C&R	Assigns 3057 to	61 1-2
198804	8-31	CO		
198805	9-1	CO	Additional reasons for installing ash ejectors instead of Metten ash expellers. Y	
200227	9-21	Norf	Ash ejectors and expellers; fwds plans and estimates with recommndations. D	

Norf asks disposition 11-10
Norf prelim plan 10-24
To Norf--Have auth instal of. 10/7
To Norf--For rec as to disposition. 11/13
Fwd Dept-- Rec appvl. 10/4 RB 10/7
To Norf--Have rec appvl of. 10/4
Fwd C&R--Ord disppvs. Use present scuppers. 10/5 To Norf--T Auth. 11/16

To Via Atl Flt--Norf has been reqtd to investigate feasibility of installing ash ejectors. 9/23
C&R fwds duplicate copy 9-30
Norf reqt action 10/2 Norf (T) recommends scrapping 11-15
C&R Ord disappvs enlargement. 10/4
Fwd C&R--10/7

N.S.E. Form 134.

DELAWARE: AUXY MACHY 182-11

Number.	Date.	From or To—	Subject.	
201725	10-10	C&R	Changes in power boat allowance.	
203295	10-20	C&R	DELAWARE: assigns steamer 1621 in lieu of 2187, latter to NO DAK	611-1
203375	10-21	Norf	Ash ejectors; fwds location plan.D Norf fwds replane plan 10-31	
204659	11-12	Norf	Ash expellers; removal of sea chests for. D Fwd C&R--11/8	
206247	11/22	Norf R	Reqt change in assignment of motor boat engines in order vessel may not be delayed	611-2
208853	12/15	C&R	Assigns 50' steamer to PROTEUS to be transferred from DELAWARE or LOUISIANA	611-1
215306	2/19	C&R	Steamer 1294, EX DELAWARE assigned NO DAK	611-1
223409	4/19	To CO	Bu records show that boat in which KK eng 2622 is installed in is 2829 instead of 28 as reported	680
238263	7-3	DELAWARE	Reports on destruction ofsteamer 987, engine 1165.	611-1
247401	9/5	To DELAWARE	Motor boat No.2847. Re number of engine.	611-2
261159	11-16	To Norf T	Assignment of KK Engines as spares to DELAWARE, FLORIDA, WYOMING, NEW YORK. Y	611-2

1917 1917

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[OVER.]

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DELAWARE: AUX. MACHY

1913

Number.	Date.	From or To—	Subject.	
104639	8-27	CO	Steering engines:repairs.TO. Y Fwd C&R 9/10	
106335	9/22	Delaware	Recommends steamer that is to replace 40' #788 be fitted with engine and propeller used in old boat on account of spares for same being on board.	611--21
106568	9/27	C&R	Have assigned steamer 1155 in lieu of 778.	611--1
106697	9/29	C&R	Orders to turn in steamer 788 and instructions to Norf. to deliver 1155 cancelled	611--1
105797	9-26	To CO	2219 assigned	611-2
108145	10/14	C.O.	50-ft steamer cutter 987 engine 1165 boiler type W-5, reports on alterations made to machy and requests that same be retained by ship.	611--1
108814	10-25	CO	Reqt. spare parts for steering engine.Y	
108805	10/23	Norf	Reports issue of gasoline engine 2219 to	611--2

N.S.E. Form 134.

DELAWARE 182--11

1914

Number.	Date.	From or To—	Subject.	
113341	12/11	Delaware	50' steamers, type W-1 engines, fwds sketches, showing alterations made in air pump and circulating pump impellers.	611--3
114012	12/26	M.Is.	Reports installation engine 2234, motor dory 985, Union 3088 removed and condemned.	611--2
114719	1/10	Norf.	Reports installation of engine 2219, motor launch 1375,	611--2
116823	12/4	C&R	Assigns steamer 1294, in lieu of 778.	611--1
116893	2/5	To	Log does not list type M engine 1071	611--1
No #	3/3	To Norf.	Survey 297; Steamer 778, type M engine 928 and Ward G-2-sq boiler 2083; Bu's records corrected to show assigned to issue.	Y
120334	3/16	DELAWARE	Steamer 987; reqt LP cylinder cover and piston rod	611-1
123225	4/23	C&R	35' motorsailing launch 996 to be disposed of by sale at Norf Yd	611-2
123323	4/24	C&R	Authorizes issue of oil burning 50' steamer 1121 to replace 897; 40' motor sailing launch 1243 to replace 996	611-2

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[OVER.]

DELAWARE -AUXILIARY MACHY

Number.	Date.	From or To—	Subject.	
57043	12/27	To Delaware	BOATS: cutter 788, reqt number, etc. of engine and boiler installed in	611--1
			1912	
57571	1/2	C.O.	Reqt. new shaft for steering engine.Y	
57408	12/29	Delaware	BOATS: reports engine 982 and boiler 1874 in cutter 788	611--1
58241	1/10	C&R	BOATS: have arranged for shipment of 40' cutter from Norf. to	611--1
59577	1/18	C.O.	States cylinder gasoline engine 1530 defective; reqt. new.D. Reqt. action 2-22 To---Regn.241 made to cover purchase of cyl.castings.2/29.	
59681	1/24	Phila	BOATS: reports shipment of cutter 623, fitted with boiler 1722, engine 433, shipped to Norf. for	611--1
62549	2/27	Delaware	Boats: fwds invoice covering pro elling machinery of 50' cutter states charges are so excessive that Senior Eng.Officer refused to sign.	611-1

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N.S.E. Form 134.

DELAWARE 182--11

Number.	Date.	From or To—	Subject.	
66248	4/13	To Delaware via At.Flt	Type B engine 928 listed as in hull 775. Bu. record shows type M engine 928 and Ward boiler G-2 sq 1769 in cutter 778. Reqt correct record.	611--1
67020	4-19 4-22	CO NY 330-530-4	Reqt. repairs propellers steam launches. Y To - NY Appd 4/25	
76388	8/22	To	Cutter 987, steam log does not list number of engine in, nor show spare engine, reqt	611--1
			1913	
89323	2/1	C.O.	Reqt new gasoline engine for motor boat 996 to replace Automatic engine 3188	611--2
89646	2/1	C.O.	Ship's survey 11, Automatic gasoline engine reqt repairs, (engine 3188)	611--2
89646	2/1	C.O.	Recommends installing new gasoline engine in lieu of Automatic one now installed	611--2
90328	2-12 2-12	CO NY 330-530-6	Repair automatic gas engine 3188, launch 996.D Fwd Dept.rec disappr.2/17. RB 2-20 To-NY disappd. 2/25	
96476	5/3	NY	Reqt instructions relative to installation of motors in sailing launches.	611--2

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[OVER.]

182--11
DELAWARE-- AUXILIARY MACHY.

FILE No.		From or To— (Dated)	Subject.	
29895	1/23	C&R	BOATS: assigns 50' #990 from Norf to	611--1
30496	1/30	NY	BOATS: 50'#990, reports engine,#1168 70% completed, boiler 80%	611--1
31568	2/14	C&R	BOATS: issue of 40' 879 to: from Norf. in lieu 929	611--1
33219	2/15	C.O.	Reports wrong spare worm wheel gears for aux. engines received and reqt. correct ones be supplied.N. Fwd NN. Direct to be fur.by contrs 3/8. R.B.3/28. Fwd NN Reqst contrs fwd gears to Boston for del.to ship.3/29. R.B.4/1. To Bost.NN Co.requested to rectify error 4/3.	
34126	2/19	C.O.	Castings for boat crane; reqt. Y To -- via At.Flt.Under cog.of C&R. - Fwd C&R 3/21.	
37759	4/20	Delaware	BOATS: makes report on motor sailing launch996.	611--2
38495	5/11	C&R	BOATS: reports assignment of 50' cutter 987 now assigned to FLORIDA to DELAWARE: Cutter 990 under construction Norf. for DELAWARE assigned for general issue.	611--1
40385	6/3	C&R	BOATS: 40' steam cutter 930 turned in from: to make room for 987	611--1
44268	7/22	Griswold, E/	& NORTH DAKOTA: reqt. copy of test on results of coal consumption. F To -- Such tests confidential.7/25.	
47210	8/24	C.O.	BOATS: motor, 1530, mfgd byAutomatic Mch Co developed blow-hole in casing	611--2
49654	9/8	Delaware	Boats: observations on new 50' steam cutter & machy	611--1

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DELAWARE: CONDENSERS.

1912

Number.	Date.	From or To—		Subject.
85815	12-20	NY	330-560	Dynamo condensers; recommends fitting augmenters in lieu of larger air pump. Y-D To---appd.12/26.
				1913
				1915
158784	623	Bayonne Cast Co.		Monel metal condenser tubes; have developed tubes for commercial use; quotes price.DX To CO Via Norf--State tubes and ferrules are being purchased for; refurbing should be done by ship's force. 7/16 To CO Via Norf--Install zincs with old tubes. 10/12 To CO--Report on efficiency of. 4/24/16
169903	10-29	CO		Auxiliaru condenser; retubing of; with monel metal tubes; reports rejection of 145 out of 575 on account of breaking out at seams; made by the Newark Tube and Metal Works.Y To--will reqt contr replace tubes.11/2 To F.S.Hardesty--Reqt tubes be replaced.11/2 To NY--Reqt report of inspection and tests of tubes. 11/5 NY asks if correspondence re condenser tubes was not sent to NY by mistake 11/17 To Norf-- Reqt report on tests of tubes.11/19RB 11/30 Newark Tube & Metal Wks monel tubes; unable to supply replace before middle of Dec. 11/20 To--Quotes above. 11/26 To F.S.Hardesty--Fwds copy of test.12/2 To Norf--Wavies certain requirements in test of tubes. 2/19/16

N.S.E. Form 134.

DELAWARE: CONDENSERS: 182 -- 12 1916

Number.	Date.	From or To—	Subject.	
186570	5/1	CO	Stbd aux condenser, retubing of, using monel metal tubes; reports on efficiency. Y To--Auth granted to retube. 5/3 To F.S.Hardesty--Fwds copy above report. 5/3	
204839	11-3	CO	Tin inside condenser tube sheets and heads. Y	
204994	11-8	CO	Monel metal tubes and ferrules in stbd auxly condenser were removed being unsatis on account of splitting; retubed with standard admiralty tubes June 1916.	
			1919	
424731	6/11	Atl Flt Copy	Starboard main condenser leaking - ship will go to Norf for repairs - Y	

1815

NB—0120 [OVER.]

DELAWARE: HEAT: VENT: REFRIFERATING: 1919

Number.	Date.	From or To—	Subject.	
454827	10-30	o CO	(T)- Suggests borrowing ice machine circulating pump from SOUTH CAROLINA no spares being available for immediate delivery. Y copy to CO by mail. CO 12-1	
486039	3/26	Atl Flt	Submits report of Board and recommends changes necessary to put into effect requirements of Ship Control Board on NORTH DAKOTA & DELAWARE. L	321-4
Req 165-22	11/22	To CO USS DELAWARE	Asks if crosshead shoes are what are desired Ds R	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

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DELAWARE. Heating, vent. ref.

~~1912~~ 1913

Number.	Date.	From or To—		Subject.	
91067	2/26	Dept		re omitting work to cut down expenditures. Will cancel for present installing additional ventilation in engine room.	182--8
102342	7-23 7-26	Bu Ord 28024-73	26087 Dept	Group "C" magazines; temperature excessive; reqt. steps be taken to reduce.D Ret Ord via C&R.not advisable to take up at this time.8/12. Fwd Dept.8/22	
107042	9-3 9-9 9-22 10-3	Fleet Nav.Constr At.Flt NY C&R	 330-700-1 27683-E.43	Magazine refrigeration; submits report on with recommendstions for improving on vessel and of future installations.D Ret C&R via Ord.10/21.	
107555	9-23 10-2	CO Dept		States neither D nor C machine can efficiently refrigerate both groups in magazines. D	
109253	11/28	Dept		Apps. alterations to Magazine cooling system	700--2
109253	12/2	To NY		Magazine refrigeration; changes authorizes.	700-2
112132	12-6	Norf	32643-418	Alterations to magazine refrig. Reqt. ~~authority~~ print showing coolers installed on OHIO.D Fwd C&R.12/24	

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N.S.E. Form 134.

DELAWARE 182--13

1914

Number.	Date.	From or To—	Subject.	
114336	1/7	To Delaware	Conversion of old ice machines by adapting piston provided wth leather pistons with metallic packing. Bu. considering. reqt report on installation in this respect.	700--1
119948	3-12	Norf 32643-419	Reqt information re type of cooler to be installed on. Y Norf reqt action 4-11 To -- develop one at yard 4-25 Fwd C&R 4-25	
121365	3-23 7-31	Norf 32643-419 C&R 27684-E.46	Magazine refrigeration; fwds print showing proposed installation of Kroeshall cooler.D	

1915

148869	3-3	C&R	Magazine refrig: alterations: fwds print showing change in ventilation duct. R Fwd C&R--Proposed work agreeable to Bu.3/8 RB 3/25 To Norf-- SE. work appvd. 4/6	

1919

416277	5-5 To CO FLT FLEET SUPPLY BASE ice making box to.	CO (T) SUP BASE & DELAWARE-(T) auth to issue 9 can 6-24	Rqst Norf be directed to furnish 1 standard Canice making box for Allen Ice Machine-Ship's force can install - D To(T)- Norf.reqted to furnish box. 5-6 To Norf. (T)- Reqts furnish ice making box for two ton Allen machine. urgent. 5-6 Norf. tel. req. fwd ice making box 5;8 CO tel. req. NY furnish ice boxes : have not been rêcd. 6;23	
420176	4;22 5;19	CO USS Fleet	Req. install ice making box in connection with magazine cooling system D To Comdt Boston Installation of ice making boxes appvd. copy to CO DELWARE NORTH DAKOTA Comdr Div.5.Force 2. and C-In-C. 5-29	

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[OVER.]

DELAWARE: HEATING:VENT:REFRIG: 1912

Number.	Date.	From or To—	Subject.
62495	2-3 2-29	C.O. C&R 22082-E542	Criticism engine room ventilation.D Fwd Dept.3/4.
64232	3-11	C.O	Reports on test of recently installed elec. driven ice machine. D To Dept.via C&R and Ord.Rec Dept.withdraw its auth. for installation of electrically driven for NO.DAK.and DEL. 3/26. RLRB4-15 Fwd Dept via Ord and C&R.Comments: rec Clothel type for NO.DAKOTA.4/16 RB 4-14 a'ppd Ref. C&R Recom.be covered by Joint Reqn.4/25 RB 4-30, Fwd C&R.Fwds Joint reqn.#82. 5/4. Fwd C&R.5/16. RB 5-25
69816	5-27	Roelker, H.B.	Elec.driven ice machine; placed on board for trial; reqt.payment for. D To---Request price,etc.5/28.
70009	5-29	Roelker, H.B.	Elec. driven ice machine; quotes price and gives description.D
73708	7/18	To CO 3-	3-ton electrically driven ice machine; request report on.D CO 7/21.Fwds copy of test made in Feb; since test machine has been of very little service.D
76376	8/21	CO	Requests manf.of evaporator stay rods, steam launch smoke stack rims,and cylinder lining182-8 for ice machine

N.S.E. Form 134.

DELAWARE: HEAT:VENT:REFRIG. 182-13

Number.	Date.	From or To—		Subject.	
78214	9-16	CO		Ice machine:reqt. drawings. D To--fwds 9/25	
80978	10/24	To CO		Magazine refrigeration of "C" group of magazines: request report on.D TO ARKANSAS & WYOMING reqt. report on amidship magazine beween eng and fire room ARKANSAS: not yet used.10-30	10-26
80953	10-24	Dept		Directs recommendation to improve temperature of magazine of No. 3 turret. D TO -- Will be taken up later.10-26	
81536	10-22 10-25	CO NY	330-5013	Repair ice machine. Y	
81688	10-31	CO		Reports on magazine refrigeration for "C" group. D To---instructions.11/7. Fwd C&R.11/13 RB 11-21	
81977	11-5	WYOMING		Reports on magazine amidships. D	
				1913	
88095	1-6 1-13	CO NY	330-750-1	Repair leaks in ice making box. Y	
90323	2-11 2-7	CO NY	330-750-2	Repair leak in ice machine.Y	
90671	2-17	NY	330-758-8	Engineroom vent. incidental SE work.Y	

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[OVER.]

Number.	Date.	From or To—		Subject.	
47182	8/22	C.O.		ALTERATIONS: install new elec. dense air ice machine, etc	182--8
47363	8/26 8/28	NY C&R	330-635-8 22082-E.457	& NORTH DAKOTA: Engine room ventilation. D Ref. C. & R 9/1	
47723	3/6	C.O.		Suggestions re improving ventilation system; estimaes for elec. work RB9-8 a'ppd ref. C&R 9/111 R.B.appd also for N.Dakota.9/15 Ref. C&R 9/16	182-13
47899	9/5	C&R	22082-E.448	& NORTH DAKOTA:Engine room ventilation; re arrangement of trunks and recommends shots be fired over each turret from hatches to demonstrate whether same will damage open trunks. D-N. Fwd --; concurs. 9/5	
47472	9/12	To Roelker - C&R & NY		Ice machine - elec., will give service test on DEL.	700-1
48580	8/28 9/13	C.O. Dept	28024-23	Reports overheating of engine in fire room; Dept. directs steps be taken to improve ventilation on and NORTH DAKOTA. D Ref. C&R 9/14	
48705	9/11 9/15	C.O. C&R		NORTH DAKOTA Relative to improving ventilation of engine rooms. D Ref. Dept. recomds. 9/16 RB 9-19 a'ppd Ref. C&R 9/20	
49011	9/18	C.O. cancel		Re improving ventilation engine room.D	
49041	9/17 9/20	C.O. Dept	28024-22	Re improving ventilation engine rooms; fwded in connection wih improvement on and NORTH DAKOTA.D Ref. Dept. via C&R no objection to moving ice machine 9/21 RB 9-28	

N.S.E. Form 134.

DELAWARE: HEAT:VENT: 182-13

Number.	Date.	From or To—		Subject.	
49288	9/22	C&R	22082-E/468	& NORTH DAKOTA; engine room ventilation; reqt. necessary instructions be issued by ~~C&R~~ SE re re-locating ice machine.D Fwd NY directs conference. 9/26 TO C&R will cnfer re location ice machs.9/26 RB 10-7. Ret---Action proposed in 3d endorsement satisfactory.10/7 RB 10-18 Fwd NY.10/13. RB 10-31	
51504	10/18	NY	330-835-32	NORTH DAKOTA: engine room exhaust fans; ~~reqt.~~ states Diehl Co. have not received formal contract; reqt. matter be expedited.R Fwd C&R. Under cóg.of.10/27.	
No #	10/31	To NY		3-ton ice machine; transfer to BROOKLYN. Refers to recn.293, Phiaa.R To---Requests that transfer be made direct.11/2.	
53187	11/9	To C.O.		Elec. driven ice machine recently installed for mag. refrig.; reqt report on and recommendations re further use of this type. D	
53540	11/13	C.O.		Elec. ice machine; installation not completed.D	
54635	11/25	C.O.		Electrical driven ice machine; request spares for. D&R To-Machine not yet purchased and parts will not be furnished unless finally accepted.11/28.	
52339	10/16	C.O.		Ventilation of firerooms, etc	182--10

1912

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[OVER.]

DELAWARE: HEATING: ETC. SYSTEMS.

FILE No.	From or To— (Dated)	Subject.	
37159 4/23	C.O.	Reports on test of magazine cooling system. D To NN thru Inspr. Copy of report fwd. 5/3.	
37207 4/23	C.O.	Recommends installation of elec. driven ice machines. States those in use make berthing space for crew and sick bay un-inhabitable on account of heat. D Fwd Dept. Recommendations. 4/28. RB 5-4 a'ppd To -- Change has been auth. 5/13. To -- directs prepare reqn for purchase of. 6/3/12.	
39040 5/13 5/15	C.O. NY 330-750-3	Repairs to 3 ton ice machine for magazine cooling. Y To NY Apprd 5/19.	
43406 7/12	C&R 22082-E.400	& NORTH DAKOTA: Relative to improving vent. engine room. D Fwd Dept. 7/13. RB 7-14 Disappd Ret -- 7/15.	
45480 8/2	C.O.	Ice machine, reqt repairs. Y	
46621 8/16	C&R 22082-E.448	& NORTH DAKOTA: Engine room ventilation; fwds print showing proposed additions and modifications to improve same. D. Fwd Dept. Concurs in rec that changes be auth. 8/19. RB 8-22 a'ppd To NY Instrns issued.- Ret---8/23.	
46801 8/2 8/9	C.O. NY 330-750-5	Repairs to ice machine. Y	
46976 8/22	C.O.	ALTERATIONS: new elec. driven dense air ice machine for magazine cooling. etc	182--8

182 -- 13
DELAWARE; - HEATING: VENTILATING: REFRIGERATION SYSTEMS

FILE No.		From or To— (Dated)	Subject.
28360	12/24	At.Flt.	AND NORTH DAKOTA; magazine coolers; reports re operation of
29784	1/13 1/18	C&R 22034-E.22 Dept.	Maga zine refrigeration system; reports non receipt of reports on. Ret C&R via Dept. Copies fwd 1/24.
29921	1/24	Schutte & Koerting	Magazine coolers; reqt. balance due on: states are ansolutely tight; no futher complaint. Fwd C.O.Reqst report result of test 1/26. R.B.1/30 Fwd Norf Rec.payment 1/30. R.B. 2/17
30565	1/29 1/31	C.O. Dept.	Report on test of magazine cooling system. D
30739	2/1	Norf 479	Estimate for re-galvanizing ice making cans; Duplicate from ship, Dated Jan.27. Y
34380	2/18	C.O.	Reports on performance of Ice Machine for magazine refrigeration; invites attention to defects. D Fwd C&R for information.3/24. R.B.4/15
34687	2/18 3/24	C.O. At.Flt. 22232	Reports on performance of ice machines on magazine refrigeration. D
35599	3/11	C.O.	Reports on test of magazine cooling system.D
36140	3/11 4/13	C.O. C&R 22082-E.402	Fwds correspondence relative to changes in magazine cooling system. D Fwd NY Reqst report,rec and est.4/14. RB 9-22 Fwd Dept. 9/22, RB 9-26 Fwd C&R 9/26

NB—0120

DELAWARE; PROPELLERS: SHAFTING

1920

Number.	Date.	From or To—	Subject.
503111	4-26	N.Y.	Propeller report; Y
564949	5;5	14th Dis CANCELLED SEE 467-SP	Request assign plan No. to propeller drawing and order spare.Y
566528	5/25	Boston	Propeller report. Y To Boston Fwds Vandyke cc CO 7/16
		1922	
605372	1/18	Boston	Propeller report. Y
624173	5/1	Pearl Harbor	Propeller report.Y

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

DELAWARE: PROPELLERS: SHAFTING

1915

Number.	Date.	From or To—	Subject.	
165829	9-14	Norf	New outboard coupling; fwds print showing alterations in keys and keyways. YD To-- Change satis.9/17	
84	9-18	To Phila. (T)	Shafts; asks status of. S	629
166766	9/25	CO	Reqt dock trial at limited speed on acct of cracks in outboard coupling. Y Fwd Dept-- 9/28 RB 10/1 ~~Fwd x Dept xxx 9/28~~ To--(R) Appvs. 9/28	
166966	9/29	MINNESOTA Bd	States that KANSAS and probably DELAWARE to be placed at disposal of Board to secure further data	290-14

1916

206121	11-20	Norf	Propeller blade bolts; steel in good condition; bronse cracked: (Cross propellers and bolts)	
261359	11-17	Phone Norf & CO	Spare propeller blades. Issue of 2 right and 2 left blades appvd. Y	
261363	11-17	Phone Norf	Propeller shaft,Disposition.	
261443	11-17	Phone Norf	Material to be places aboard, stated impossible to transfer propeller shaft for DELAWARE from the FLORIDA. Y	

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182 -- 14 DELAWARE: PROPELLERS:

Number.	Date.	From or To—	Subject.	
261981	11-19	Phone Norf	Shafting /Bu stated that has reqt and recom to ept that be sent to Norf to get shafting. Y	
311774	6/5	NY to propeller hub upon receipt 10;3Y	NN - contrs state patterns destroyed in 1915 -6/5 To NY, Re mft of patterns for propeller hub 6-7 To NY, re propeller hubs for, 9-13 Phone NY, re shipmt of propeller hubs, 9-13 NY 9-14	
310001	9/2	CO	Spare propeller shft and plates on board	182-9
385013	1-14	To CO	Asks re action taken material on board Boston fwds change sheets 3;4;19	
386032	1;15	CO	Req. auth. to turn in 6 spare propeller blades and 1 spare tale shaft Y	
490386	5;1	CO	Request straighten bent blade of starboard propeller.Y Dept-copy of action to NY-5;5Y	
491386	5-6	To S&A.	Reqst shipment Propeller blade from Bost. to To commdg. officer 2695 5-6 Y. RB-6;25-Y	

DELAWARE: PROPELLERS: & SHAFTING.

Number.	Date.	From or To—		Subject.
66453	4-14	CO		Reports on extremely expeditious shifting of blades at Norf. eRecommends commendatory letter;also that spare propellers be kept at her docking yard.C Fwd Dept.4/18. BB 5-11
71535	4-14 6-17	CO Norf	3224-419	Repairs to propeller blade. Y
80534	10-16 10-16	CO NY	330-740	Reqt. yard measure pitch of propeller.Y
				1913
102463 VOID	7-15 7-18	CO NY	20-670-2	
112958	11-31 12-17	CO Dept		Reports propeller struck obstruction in NY harbor Oct 1st; believes struts are bent.Y Ret Dept via C&R.12/18
113384	12/17 12/23	CO Dept.		States port propeller shaft gives grinding sould; recommends be overhauled.Y Ret Dept. rec docking for examination.12/24 To Norf.request report of results of examination.12/30. Fwd Dept.12/30.
114134	1-5	Norf	R	Repoarts on work done to stbd propeller and changing clearances outboard bearings.Y

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1914

Number.	Date.	From or To—	Subject.
114238	1-3	Norf 3224-419	Fort propeller and stern bearings; reports on clearances.Y
124509	5-9	Norf T	Reqt alterations to inboard coupling casing.Y (T)to---appd.5/9.
124711	5-11	CO	Reqt additional rib outboard coupling and fit distance pieces.Y
164394	8-26	Norf	Outboard couplings; fwds print showing cracks in.Y S&A fwds quotations from Beth Steel Co. Midvale and Erie Forge 8-31 Fwd Dept--8/31 RB 9/3 Fwd S&A--8/31 To--Contract placed with Midvale Co.9/8
164831	8-30	Norf	Shaft outboard couplings; reports on condition of.Y Fwd Dept--Rec. 9/2 RB 9/7 To--Gived Dept's action.9/8
164850	8-31	CO	Cracked shaft couplings; submits report on; fwds print showing location of.Y Fwd Dept-- 9/3 RB 9/9
164959	9-2	Norf	Stud bolts; propeller blades; examination shows several cracked; are proceeding to renew all bolts both propellers.Y To--Manuf appvd. 9/4 Norf gives list of defective bolts; will renew with Class B 9-8
	To--Appvs proposal. 9/16		
165381	9-9	To Norf.	New outboard couplings, superseding plan 28-B-0651; fwds plan of. Y

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[OVER.]

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DELAWARE: PROPELLERS & SHAFTING.

FILE No.		From or To— (Dated)	Subject.	
30382	1/23 1/27	C.O. Norf. 504-623	Reqt. castings from propeller couplings be removed for inspection, etc. Y.	
32133	2/6 2/21	Norf 727-832 C&R 22082-E.370	Fwds docking report; reports measurements of shaft clearances in after tube and strut bearing. D Ret C&R noted 2/23.	
38373	5/9	Bost	Reports examination of propellers; gives pitch etc. Y	
40058	5/28	C.O.	Reports pitch of propellers; etc	182--9
46302	8/12	Kingsburg, Albert	Reqt. information re thrust bearings D. To---Fwds prints. 8/14.	
46733	8/19	Kingsbury, Albert	Reqt. additional information. D. To---Gives speed of vessel. 8/21.	
54234	11/8 11/17	C.O. NY 330-755-14 VOID.	Repairs to fire and bilge pump; make new cylinder liner and valve seats for aux. and circulating pump; reqst for plans pistons main engines, rings for valves; and repair and test gauges. Y	
55439	11/27	C.O.	Spare parts, rel delivery of crank shaft, propeller shaft & blades, etc	182--21

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Number.	Date.	From or To—	Subject.	
343867	8-9 8-27	CO Atlantic Fleet	Request authority to install apparatus to maintain warmer temperature in magazines of - Y&D Fwd Ord, 9-5	
379793	12;19	CO	Req. install branch connection from exhaust both dynemo air and circulating pumps to aux. exhaust line etc. Y&D To Boston. Author. items 21(s) & 22 (s) 12-31	
424072	6-7	JAG	Report of Bd of Investigation to inquire into damage done to Hoffman Steam Press in ship's laundry on board - Fwd Navgn via C&R. 6-10	Y
441086	8/19	CO	Fwds sketch showing auxiliary exhaust connections to evaporator coils and fresh water piping or distiller and distiller pump - D	
458894	11/11 11/18	CO Atl Flt	Reqst assist ship's force in overhauling main steam line slip joints in fire room-Y Fwd Comdt Boston, copy to Operations Atl Flt-Bat.Div. #5 and CO. 11-21 Boston- Subm estimates 12/16	

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Number.	Date.	From or To—	Subject.	
490946	4/21	CO	Reqst remake bulk head joint on after cross connection steam line between engine rooms - Y	
523411	10;9	CO	Lytton bucket traps-request information. D To CO-gives info reqtd-11;19-D (Note- rel to h.p. drain to auxiliary exhaust) NY-copy of action to Btlship Force-11;22-D CO-12;3-D CO-12;14-D	
		1921		
596767	11 18	Boston	Fwds request from CO for alterations to cold air piping- subm estimates. D. re Boston alterations appvd cc CO 11/23	

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[OVER.]

DELAWARE: PIPING SYSTEMS:

Number.	Date.	From or To—		Subject.	
40032	5/31	TO NN		Reports difficulty in putting joints in piping owing to pipes being fitted too close against decks.D	
				1912	
64520	3-18	CO		Reports stopping generating sets due to overflow boiler; recommends that piping to dynamo engine be carried down 6' to prevent recurrance. LD To NY.reqst estimates be expedited.7/3.	
77683	9-30	NY	330-580-6	Changes in piping to dynamo plant and rearrangement of dynamo room; prints with comments. L Fwd Dept VIA C&R recom.disap.9-16 RB 10-25	
				1913	
87429	1-8 1-11	CO NY	330-580	Changes in piping to dynamo plant; CO submits new arrangement and reqt. approval in lieu of one now being proceded with D. To NY.appd.1/14. To NY.No further work to be done until further notice.3/24	
88564	1/22	NY		Recommends holding up work on alterations to steam line to dynamo amd install lrger separator, etc	182--8
88888	1-29	NY	121-10-7	Piping for dynamos; reports stopping work on.Y	
90553	2-12	NY	330-596-1	Fire extinguishing apparatus; est.incidental piping work. Y Fwd Dept.with red.2/19. RB 2-20 app'd To---Instructions.2/21.	

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DELAWARE: PIPING: 182-15

1913

Number.	Date.	From or To—		Subject.	
91798	3-5	NY	121-11 Comdt	Considers inadvisable to attempt re-arrangement steam line and valves in dynamo room as only $7,000 remain. of funds available. D	
92022	2/25	C.O.		Rebabbitt main bearing caps, re-lag salt water piping.	182--8
93729	3-28	CO		Reqt. authority to remove line,drain, from boiler stop valve. .D To---not advisable.4/1.	
105615	9-12	CO		Steam piping to dynamo rooms; reqt. JO be changed to change position of tees.Y Fwd NY appvd 9-17 RB 10 1 TO NY auth 10-2	
106792	9-29	NY		Changes in dynamo steam piping; asks if work may be proceeded with.Y	
107962	10/14	NY	330-735-6	Steam lines to dynamo room; change position of T; submits estimate.Y	
148220	2-17	DELAWARE		Alterations to auxiliary condenser drain line, pump, piping,etc.Y Fwd Norf-- For est and rec. 3/1 RB 5/14 Fwd Dept-- Recommendations.5/15 RB 5-18 To Norf-- Gives action on. 5/19	

1915

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[OVER.]

DELAWARE: OIL FUEL SYSTEM.

Number.	Date.	From or To—		Subject.	
95132	4/16	B&W	992-182	Oil burning apparatus; fwds prints.D To---appd; asks what disposition was made of addtl set.5/2. B&W.5/5 two sets prints retained by office.D To-- instructions re number of prints 5/9	
97281	5-14	B&W	1084-182	Oil burning apparatus; fwds prints.D.	
108366	10/16	NY		Fwds vandyke of print of fuel oil heaters, pumps, piping, etc	182--8
			1914		
125462	5/21	B&W		Contract for installing oilburning apparatus calls for an erector; will furnish at Bureau's convenience.D Fwd Norf 5-22 rb 5 29	
126648	6/4	Norf.		Peabody Oil burning; reqst vandyke of.D To Inspt. B. & W. reqs. set of Van Dykes 6-12 rb 6 17 To B&W.tracings should be fwd to Bureau as soon as possible.6/18.	
127991	6/20	B&W Co.		Fuel oil burning apparatus; fwds tracings.D	
280	12-9	B&W Co.	1915	Oil burners - req. payment of balance	629
280	1/19	B&W Co		Fuel oil burners; reqt plans and datap	629

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
342923	8/9	Co Atl Battleship Force	2 Requt fit air chamgers on fuel oil suction line and oil service pumps in each fire room and put partition in fuel oil settling tank Y&D 182-6 Fwd Operations, 9-4 R.B. 9/12 To Bostonalterations approved and disapproved 9-14 At. Bat. ship force #1 CO req. feed air chamber on fuel oil suction line.	
422728	5/26 6/2	US Flt Dept	Bat. Ship Force #5 conversion of UTAH FLORIDA; NO. DAKOTA & DELAWARE to oil burners necessary test issued. D.	321-16

NB—0120

[OVER.]

DELAWARE: OIL FUEL SYSTEM.

Number.	Date.	From or To—	Subject.	
40240	6/2	TO Washn	Fuel oil; fwds sample for analysis. S Fwds analysis. 6/10 Fwd S&A. 6/12. RB 6-19	
45989	8/10	S&A 107680	Fuel oil report; reqt. reports covering fiscal 1911 be submitted.O Fwd C.O. 8/11.	
47002	8/22	S&A 107680	Fuel oil reports; invites attention to omissions in, etc.O To---By has no printed form; suggests communicate directly with C.O. 9/1.	
51197	10/16	TO C.O.	Reqt. additional sample from barge Houston.S	
			1912	
70204	5/31	NY	OIL FUEL: reports loading of, Texas Co. for Delaware & Utah, invites attention to unsatisfactory facilities accorded inspector	690
75749	8/12	CO	Requests vessel be fitted with more efficient outfit of fuel oil burners, air registers and heaters. States present system of oil burning in conjunction with coal not a success with present burners.D To--C.O. under consideration 8/15 To C.O. will replace with Peabody type 9/12	

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DELAWARE 182--~~8~~ 16

Number.	Date.	From or To—	Subject.	
84298	11/7	C.O.	Alterations, new oil burners, etc.	182--8
No #	12/13	To Dept.	NY reqn 759: Peabody system of fuel oil burning. Rec appr.R	
85539	10-18	CO	Old SK oil burning outfit; reqt. authority to turn in parts of.D. To---appd.12/20.	
86433	12-31	CO	Reqt. new oil burning outfit include heaters; NORTH DAKOTA system without heaters unsatisfactory. D. To NY. Request estimates for mfr and installation.1/3. To NY.directs mfr be undertaken in advance of estimates.1/4.	
			1913	
88102	1/18	NY	Estimate for installing 4 fuel oil heaters and after lights in turrets, etc	182--8
88193	1-17	NY 330-640-5	& NORTH DAKOTA: fuel oil heaters; estimates D. Fwd Dept.Rec mfr and installation be authorized. ~~1/24~~ for NO.DAK.1/27. To---appd manufacture.1/29. RB 1 29 a'ppd	
89324	2-1	CO	Asks what pressure is used on fuel oil system in use with Peabody burner.D. To---200 lbs.in case of DELAWARE.2/4.	
280	4/8	N.Y.P.O.	Fwds copy of contract with B&W Co. for Peabody System fuel oil burning for	629

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[OVER.]

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DELAWARE: OIL FUEL SYSTEM:

FILE No.		From or To— (Dated)	Subject.	
29384	12/17	C.O.	Reports on Schutte & Koerting and Ingram oil burners and heaters; reports changes made in piping for same and requests authority to turn in certain fittings in connection therwith	See below
		See below.	To -- & Norf directing removal heaters and changes in piping -- To S&A & Phila Yd shipmt to Phila for oil testing plant 1/20.	See below
29463	1/17	C.O.	Relative to economy in coal consumption; states rules for Engineering Competition shd be modified to cover use of fuel oil.	
29967	1/23	C.O.	Reports Schutte & Koerting Co. film oil heaters are being removed; notes instructions re burning oil; understands prohibition does not extend to foundry, forge, and incinerator, etc.	
30292	1/22 1/25	C.O. Norf.	Removal of Schutte & Koerting Co. film oil heaters. D	
30395	1/29	C.O.	Reports on recent fuel oil burning on vessel; states not evident that use of fuel oil on boiler O was cause of accident. D	
37161	4/23	C.O.	Reqt. permission to brun 130 gals fuel oil on board so tanks may be emptied and cleaned. N	
29384	5/10	To C.O. See above	To C.O. Letter of 1/20 modified, to permit burning oil at discretion while on detached service in conn. with coronation. 5/10.	
39264	5/18 5/20	C.O. NY 252-10	Reqt. authority to turn into store special furnace fronts & fittings for Schutte & Koerting oil burners. D To C.O. via N.Y. retain pending results of trial on UTAH 5/27	

NB—0120

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DELAWARE: COAL HANDLING AND STOWAGE; 1916

Number.	Date.	From or To—	Subject.	
175125	12-22	CO	Reports death of J.P.Windness, SET thru explositio gas in bunker containing Pocahontas coal; caused by open bunker light. F Fwd Nav--Comments on. 1/7	
179953	2-17	JAG	Court of Inquiry into death of Chief WATER Tender due to explosion gas in coal bunker. F. Fwd Nav-- Appears that death was by an act od duty and not result of mis-conduct. 2/25 RB 3/23 Fwd JAG Via Nav-- Noted. 3/23	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

182--17
DELAWARE: coal handling & STOWAGE.

FILE No.		From or To— (Dated)	Subject.	
29365	1/17	F.R.Co	DEL & N.DAKOTA: asks if relative coal consumption is being investigated.	321--17
31122	2/7	S&A 114107	Shortage of coal; recommends no allowance be made as commercial practice gives no heed to the moisture contents of coal when loaded. Y Ret -- via Norf. Concurs 2/9. To Washn. Sample fwd for analysis 2/11. Washn. reports analysis. S 2/25 To At.Flt. Result of analysis fwd 2/28.	
37123	4/26	C.O.	Reports on distance steamed, coal & oil consumption, average speed, and general condition of ship	182--2
39812	5/18 5/27	C.O. C&R 22082-E.423	Reqt. removal of coal bunkertrolleys in lower bunkers and authority to turn in coal buckets. Y To C.O. via NY. Coal buckets auth. to be turned into store. 5/31.	
44057	7/19	S&A	COAL: reqt Delaware make report on steaming quality of Georges Creek coal use on CORONATION trip.	623
44422	7/18	C.O.	Reports on run to ENGLAND and return without re-coaling.	182--2
44268	7/22	Griswold, Ely Erie City Iron Wks	& N.Dakota: reqt copy of test on reuslts of consumption. F To - Such tests confidential, 7/25	

1912
1913

NB—0120

DELAWARE: WORKSHOP & TOOLS:

FILE No.	From or To— (Dated)	Subject.
37158 4/22	C.O.	Invites attention to need of increase in number of tools, elec. dept. L&R To S&A, NY, C.O. Change in allowance. 5/25.
		1912
81932 11-5	CO	Milling machine; reqt. index plate for. Y Ret---spare parts should be obtained on reqn. 11/8. RB 11-18
	1914	1913
127519 6/10	CO	14-in. engine lathe; install control panel. L Re . Norf. 6-17
		1916
177982 2-3	C&R	NORTH DAKOTA: tools for carpenters force. Y To Phila-- Work authorized. 2/3 To Norf-- Ditto. 2/3 Norf 2-10
458680 11;17	CO	Request precision lathe and power hack saw be furnished Y&R Fwd CO- Present state of appropriation does not warrant the purchase of additional tools at this time. 11-29
		1922
611117 2;25	To CO	Acetylene and oxygen gas-reqt info re quantity used-2;25-Ya CO DELAWARE 3/17 Report on gases used Y

NB—0120

DELAWARE: PUMPS:GENERAL.

1913

Number.	Date.	From or To—	Subject.	
108811	10-24	CO	Reqt. repairs to pumps at next overhaul. Y To---, Fwd Norf. directs Norf. procure material. 10/28. RB 1113	
			1917	
Norf 288	1/9	Worthington Co	Pumps; contrs refer to prints that they are following and same are not on file Norf Yd	629
342923	8/9	Co Atl Battleship Force	Rqt fit air changers on fuel oil suction line and oil service pumps in each fire room and put partition in f el oil settling tank	182-16
345913	9-7	CO	~~Gives current required for submersible pump - Y~~	
347190	9/12	To S&A	Reqst shipment from DELAWARE TO ARKANSAS submersible pump motor generator L	787-1
466091	12;29	CO copy	Request authority to turn in submersible pump-english mfg-12;29	
502288	6;28	Boston Boston-revised estimatew-9;24-L To Boston est appvd 9-28 Boston-T-no ebony asbestos for panels in stock-10;26-L To Boston (T) authorized 10-27	Ask if can go ahead with mfg of appliances for submersible power control system. L cross to 5 To Boston Gives detld inform 7-9 Boston-submits estimates-8;13-L To Boston appvl 8/18 Boston-lists matl with cost-9;7-L To Boston Reqst estimates be subdivided as listed also resubmitted 9-11	

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DELAWARE PUMPS GENERAL 1922

Number.	Date.	From or To—	Subject.
639404	8/23	CO	Rqsts pump min evap room be replaced D To S&A Reqst shipment of pump from NY to CO 1050 9/8 To CO Ask if shipment recd 12/7 RB 12/15 Y
643640	10/2	CO T	Rqsts authority to draw 1 Kinney rotary lubricating oil pump from stock at Norfolk Y EAGLE 23: 10/2 T. Request auth to draw Kinny lubricating oil pump from stock at Norfolk Y To CO (T) Approved 10/2 To CO- (T) Appvd 9/3

NB—0120 [OVER.]

DELAWARE: PUMPS GENERAL:

Number.	Date.	From or To—		Subject.
38522	5/9	NY	330-45	Evaporator feed pump; removed from NORTH DAKOTA; reqt. be used on. Y To -- apprd 5/13.
38783	5/10 5/10	C.O. NY	330-745-4	Reqt. water cylinders of main feed pump be rebored. Y To NY apprd 5/17.
43208	7/9	C.O.		Fire and bilge pumps; reqt. new liners for water cylinder. Y
43658	7/9 7/14	C.O. NY	330-745-10 To	Estimate for new liners for water cylinders, f & b pumps. Y NY. Approved. 7/15.
45474	7/21	C.O.		Reqt ship be supplied with automatic pump governors. D
46047	7/21 8/10	C.O. NY		Reqt. automatic pump connections for feed. D To NY. Appd. 8/16.
57298	12/27	C.O.		States thrust bearing for main circulating pump altered by crew; fwds drawing. D.

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DELAWARE: PUMPS: 182-19

1912

Number.	Date.	From or To—	Subject.	
57572	1/230	C.O.	Designations; fwds prints showing changes made. D.	
84298	11/7	C.O.	Alterations, new air pumps, etc.	182--8
93730	3-28	CO	1913 Reqt. piston ring for main circulating pump.Y Fwd NY. for action.3/31. RB 4-15 Ret---4/15. RB 4-19	
98216	5-21	Blake Co. T	Asks location of vessel so representative can inspect feed pump valves.D (T)to Katzenstein.Ship will be in North River Thursday.5/27. To CO directs allow representative to visit.5/27.	
99535	6-13	Blake & Knowles Pump Co	Fit pump valves; gives reasons for breaking suction valve springs, and asks if similar trouble occurred on other vessels.D To NO.DAK. N.J. R.I. request report of any trouble with; fwds print.6/18. RHODE ISLAND 5-26 NEW JERSEY 5-28 To---No serious trouble.7/3.	
102397	7-25	CO	Reqt. steam head be fitted to feed pump.Y Fwd NY.for action.7/28. RB 8-16	
107828	10-10	CO	Turbine ash expeller pump; reqt. spare parts. Y Fwd Dept- reqt auth to purchase 10/15 RB 10 23 To--covered by Regn 129-Bu. and reqt shipment instructions 10/17 Fwd S&A. 10/17 CO reqt parts be shipped Villafrance 10-19 Fwd S&A.request issue shipping instrns.10/22 NY reqt copy of corres 10-123 To---parts will be reserved at NY yard.10/30.	

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[OVER.]

DELAWARE: VALVES

Number.	Date.	From or To—	Subject.	
434352 4	7/2 7/21	CO C&R	Submits report on unsatisfactory condition of starboard main overboard discharge valve - recommends new valve be ordered - Y To CO- Reqts complete report re condition of on overhaul. 7-25 CO-work satisfactorily completed.7-30 Norf - 8/2 Fwd Operations. 8-6	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

DELAWARE: VALVES:

1912

Number.	Date.	From or To—	Subject.
84650	12-7	CO	Nolan bottom blow valve; reqt. 28; angle valves installed constantly leaking. D To---Reqn will be appd if submitted.12/10.
			1913
92771	3-18	CO	Reqt. authority to turn in Lytton traps removed from evaporator room.Y Ret---via NY.Reqst further information; 1/2" blow valves may be turned in at NY 3/19 RB 3-29 To---Instructions.4/1. CO fwds sketch 4-8
93728	3-28	CO	Reqt/ authority to expend bottom blow valve invoiced to ship under title B in lieu of title "A". R To---via NY.Instructions.4/1.
111673	11-20	CO	Surface blow valves; install distance pieces, supply 2 new cut out valves, in main trap drain line. Y Fwd Norf.for est and rec/12/5 RB 2 13
		1914	
127352	6/9	Norf.	Operating gear for superheater stop valve; submits additional estimate for installing.Y To---instructions.6/13.
		1915	
147313	1-27	CO	Reqt steam stop valves in piping between No 4 fire room and engine room; both sides. Y Fwd Norf--For estimates. 3/1 RB 5/14 To Norf--Will rec disappl of. 5/21

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1913

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DELAWARE: VALVES. L182-20

Number.	Date.	From or To—	Subject.	
158820	6-22	Norf	Super heat valves stuffing boxes around deck operating gear; print. DR To-- Appvs. ~~xxx~~ 7/1	
163299	8-5 8-12	CO Norf	Repair valves, stems boiler and superheater, ~~xxd~~ stop valve. Y	
353310	9-26 10;5	Norf Norf	Req. prints of safety falves D To Norf, fwds prints requested 10-18	
400506	3/8	Bwd ~~S~~a	Has auth vessel to turn in 5 items of ~~valve~~ packing Ya To CO Auth turning of packing 3/10 182-2~~1~~	
424448	6/10	Atl Flt	Recommends dock Norf 6/15 to 21 for repairs to overboard discharge valves .	
424688	6-11	Department	Copy telegram to US Fleet making ship available for dry docking at Norf for repairs to main condenser discharge valve-	A Y
428564	6-4 6-24	CO U S Fleet	Submits report of unsatisfactory operation of main overboard discharge valve starboard condenser.	D Y

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[OVER.]

182 -- 20
DELAWARE: VALVES: GENERAL;

FILE No.		From or To— (Dated)		Subject.
29441	12/16	At.Flt.		Repairs to sea valves; reqt. when vessel is docked. Fwd Norf via C&R for Comdt's action 1/20. R.B.1/30
33218	2/7	C.O.		2" special angle valvesnot needed; used valves removed from oil heater. Y
38386	5/9	NY	330-830-5	Cut out valves main feed line; reqt. factory inspection be waived. Manning, M. & M. S Fwd Mass. Factory insp.waived.5/11. RB 6-10
				1912
67503	4-27	CO		Reqt. vessel be furnished with 28 Nolan blow off valves per attached b/p; valves now on board give no trouble but difficult to keep tight. D Fwd Dept.Rec disappr.5/1. RB 5-4 To---disappd.5/4.
69630	5/23	NY	330-125-7	Main engine stop valve and fire-room cut-out valve operating gear; fwds tracings.D To---Gives Bu's file numbers.5/25.
76007	8/15	CO		Requests be supplied with valve disc made of Monel metal for steam valve. States Muntz metal discs supplied from Norfolk are constant source of trouble and loss from leakage.D To---Reqn should be submitted for.8/19.

NB—0120

DELAWARE ALLOWANCE 1921

Number.	Date.	From or To—	Subject.
592788	10/24	CO	Annual inventory completed. Y
600409	12/5 ? 12/2	CO Atl. Fleet	Request increase in quarterly money allotment. Y To CO Addnl allotment authd cc S&A 12/17
608154	2/10	To CO	Gives amendment of allow list cc BO SO vessel- Condt Boston Ya
610629	1/31 2/20	CO Dept	Subm report on Govt owned cylinders on board. Y
620832	4/21	CO	Changes in allowance list as regards compressed gases made as directed Y

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DELAWARE ALLOWANCE 1922

Number.	Date.	From or To—	Subject.	
621446	4/29	CO	Annual inventory completed. Y	
644862	10/12	To USS DELAWARE	Correction in allowance list. Ya cc CO Boston.	

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[OVER.]

DELAWARE: ALLOWANCES

Number.	Date.	From or To—	Subject.	
399709	3;3	CO	Req. to turn in electrical supplies L To - Lists elec and radio material auth to turn into store. copy to Boston	3-13
400506	3-8	Fwd S&A	Has auth vessel to turn in five items of valve packing. Ya To CO- Auth turning of packing. 3-10	
400506	3/3 3/7	CO C&R	Request authority to turn in miscellaneous material listed - Y	
410897	4/9	CO	Request authority to survey grate bars at $1.68 per bar - Y Fwd S&A, 4-18 copy to CO.	
413479	4;24	CO	Tel. req. increase in money allotment $1,000:00 covering retubing of evaporators Y	
442566	8-23	CO	Rqst taper thickness guage be added to allowance list. Fwd CO. 9-8 CO-9-12 Fwd CO. 9-19	Y

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1919

182 - 21 DELAWARE: ALLOWANCES:

Number.	Date.	From or To—	Subject.
445441	9-16	To CO	Fwds appvd allow lists. Ya CO 10-15 Fwd CO. 10-22 CO 10-25
448487	10-2	Fwd CO	No allowance for spare cylinder Heads. If needed can be obtained on reqn "In Excess".10-2
466226	12;26 12;30	CO Boston	Request authority to turn in material listed.Y To- Auth to turn into store material listed. copy to Boston. 1-5 To M&B-Co reqts auth to turn into store 80 gals. formaldehyde. copy to CO. 1-5
468373	1-12	To CO	Gives changes for Elec allow. copy to E.O. S.O. vessel and Boston. L
480376	3;3	CO	Request line shaft bearing be added to allowance list.Y To CO- Advise as to necessity of articles reqted. 3-12 CO-matl requested are standard spares-3;21-Y To- Advise which type of bear ing the bottom brass is required. 4-5 CO-4;19-Y To CO- Gives additions to allow lists. copy to E.O. S.O. vessel and Boston. 4-30

4—3381

[OVER.]

DELAWARE: ALLOWANCES

Number.	Date.	From or To—	Subject.	
262622	11-15	To Norf CARD 1	Have directed FLORIDA take on board at Norfolk spare propeller blades and necessary boiler headers etc for DELAWARE all to be transferred to DELAWARE first opportunity. Have directed DELAWARE wire FLORIDA amount desired. Have DIRECTED WYOMING take on board at NY sufficient boiler spares for both WYOMING and p FLORIDA. FLORIDA may carry spare propeller UTAH. Report all action taken. Y Atl Flt - Copy - Recommends spare propeller etc be placed on Bd - 11/18 Y To Dept-11-17	
260966	11-16	To CO	Elec heaters increased to 12.	131-21
261960	11-20	Phone Boston	Spare parts. Lists material that has been put on board TICONDAROGA at Norf. for. Y	
261978	11-19	Phone Norf & CO	Shafting, boiler material, propellers blades shipt via TICONDAROGA. Y Phone- 11-19	
261978				

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DELAWARE: ALLOWANCES. 182 - 21

Number.	Date.	From or To—	Subject.
262512	11/22	CO R	Has taken on board spare propeller shafts, propeller blades and 8 boiler headers -
264308	12-1	To CO	Allow lists. Fwds copy of 1917 edition. R eqts reply to letter aobve. 1-8 CO 1-23.
289918	2/5	CO	Allowance list - fwds revised - RA To- Fwds appvd lists. 3-30 CO - 6/25
378250	1/9	To CO	Fwds allowance book ~~CO-fwds allow-8;28~~
392076	2/4	CO	Request clothes wringer be added to allowance list. To- Addition of clothes wringer appvd. 2-7 copy to E.O. and S.O. Boston.
394767	2/12	CO	Request one oxy accetylene welding outfit to allowance list - RA Fwd CO. 2-17
399709	3:3 3:3	CO Boston	Req. auth. to turn in electrical matl listed Y

4—3381

[OVER.]

DELAWARE: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
37421	5/1	To S&A,NY,C.O.	Additions: Fans,drills,etc. R RB 9-19	
37158	5/25	To S&A,NY,C.O.	Drills, voltmeter,etc.added. R RB 9-5	182-18
55439	11/27 12/6	C.O. NY GSK	Spare parts; relative to delivery of boiler tubes, crank shaft, propeller shaft and blades, etc.Y Fwd Norf-Reqt inf. re tubes reserved for.12/8. RB 12-18 To C.O.-Spare tubes now stored at NY.12/19.	
56756	12/22/	To Nav.	AT.FLT; Rec. re increase in complement of	493
			1912	
75886	8/14 8/15	COpt. Dept.	Requests two-ton chain falls for handling armored plate over engine rooms.R Fwd C&R.Under cog.of.8/19.	
			1913	
90114	2-7	CO	Reqt. authority to turn in hydrometer,etc. R To---via S&A.should be eliminated from allowance.2/13. Fwd C&R.2/13.	
93359	3/22	Ports. 1017	Acknowledges receipt of allwwance lists.R	

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DELAWARE: ALLOWANCES. 182---21

1914
1913

Number.	Date.	From or To—	Subject.
126307	6/1	CO	Requests authority to turn in miscellaneous tools, engine spares, in excess of allowance. R To---via Norf.appd.6/5.
126335	6/1	CO	Requests authority to turn in spare parts for steam launches called for on allowance lists; not required.R To---via Norf.appd.6/5.
DEL 9	8-23	To Dept .	Calls attention to failure to obey Regs. in surveying Equipage.
			1916
200934	9-26	CO	Request authority to turn in wood blocks R To-- Appvs. 10/4
			1917
213914	2-1	CO	Fwds list.R. To--Returns. 2/17 To--Returns appvd.4/9
216156	2-28	CO	Fwds elec list.R. To--Reqt further information. 3/21 CO 4-4 To--Returns appvd.4/16 CO - gives disposition of allowance book 6/18L
260622	11-15	To CO T FLORIDA CO - (R) states require three propeller blades and spare boiler heater - Y 11/16	Take on board at Norf spare propellers blades and neceaary quantity boiler headers etc. for all to be transferred to first Opportunity Have directed CO wire you number and quantity desired a Report action taken To CO- Have directed FLORIDA take on board at Norf. etc. 11-15
260936	11-15	Phone Norf	Noiler material,spare propeller blades. etc. Y CARD 2

NB—0120

[OVER.]

DELAWARE: WHISTLES: ETC.

FILE No.	From or To— (Dated)	Subject.
35457 4/4	NY 330-925-3	Reqt. print of angle valve. D To -- Print fwd.4/8.
		1912
		1913
333653 7-22	CO	Submits report of installation of whistle control - L
	1922	
621361	4/21 CO 4/28 Atl Fleet	Whistle landed by BLACK HAWK is not suitable for DY
622208	4/6 CO 5/4 Pac Fleet	Request complete whistle from some vessel being scrapped be furnished YD

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DELAWARE. Air compressors.

1913

1

Number.	Date.	From or To—	Subject.	
95200	4/17	NY	Prevention of dampness in torpedo air compressor compartments, reports on condition	601
462591	12/10	C&R	Reqst incidental work in connection with installation of air compressor for galley on UTAH, FLORIDA, DELAWARE & NORTH DAKOTA be authorized - D.	601

NB—0120

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Number.	Date.	From or To—	Subject.	

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[OVER.]

DELAWARE: GAGES.

1914

Number.	Date.	From or To—	Subject.	
125059	5/14	Norf.	Addtl estimates covering manufacture of water gage fittings for main boilers.Y To---appd.5/19.	
			1916	
201446	9/26	CO	Portable main engine indicators:request overhaul of.Y Fwd NY--Work auth. 10/9 RB 10-21 To S&A--Reqt shipt of main engine indicators to NY for repair.10/9	
			1917	
211745	1-16	Elec Tachometer Co	Request test of Tetco tachometers on DELAWARE	671-7
		1922		
615842	3/7 3/28	CO Dept	Request renew elements of squared meter.	Y
653221	12/7	CO	Report covering gauge glass guards in use	D

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1914

Number.	Date.	From or To—	Subject.	

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[OVER.]

DELAWARE: GAGES:

Number.	Date.	From or To—	Subject.	
38800	5/10 5/11	C.O. NY 330-625	Reqt. vacuum gages be tested and adjusted. Y To NY apprd 5/17.	
46763	8/15	C.O.	GAGE-GLASSES: scotch, for water tender. Impossible to replace those broken, recommehds Klinger be installed in lieu of:	658--5
54234	11/8	C.O.	Repairs to fire & bilge pump, make new cylinder liner and valve seats for aux. and circulating pump. reqts for plans pistons main engines, rings for valves, and test gages.	182--8
55702	12/8 12/6	C.O. NY 330-2012	Repairs to clocks in engine and fire rooms. Y	
			1912	
63905	3/19	To C.O.	Van Auken hydrocator: Barrett & Lawrence to furnish for test.	665-16
65940	4-6	NY 330-660-11	Ba ley counters; fwds tracing. D To---Bu's file number is 28-B-0608. 4/20.	
67833	4-22 4-27	CO NY 330-2012-3	Repair engine room clock. Y	

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DELAWARE: GAGES: 182-24

Number.	Date.	From or To—		Subject.	
68056	4-25 4-29	CO NY		Overhaul and repair 16 gages and 4 vacuum.Y	
68058	5-4	NY		Reqt. instructions relative to issuing Klinger gage glasses on ships reqn. 120; ship statesuse is not prohibited. D To---No objection to issue to ships fitted with Klinger frames.5/7.	
68059	4-25 5-4	CO NY	330-625-6	Reqt. authority to turn into store 28 Klinger glass frames. D-Y To C.O.via NY.appd.5/7.	
72071	6-24	CO		Reqt. pressure gages for steam seal of dynamo turbine. Y Fwd NY.appd.6/26. R.B 7-29	
79094	9-26	CO		Steam and vacuum gages, repairs.Y	
81357	10-17 10-28	CO NY	330-625-9	Test out steam pressure gages.Y	
				1913	
93812	3-22 3-24	CO NY	340-2012	Repair engine room clocks.Y	
107717	10/9	Delaware		Mullins chro tachometer, reports on test of. satis.	671--7

NB—0120

[OVER.]

DELAWARE RECORDS OF WORK 1922

Number.	Date.	From or To—	Subject.	
618028	4/10	Boston	11/15/21 to 1/3/22 Y	
618030	4/10	Boston	12/31/21 to 2/24/22 Y	
630587	6/29	Boston	5/1/22 to 5/22/22.Y	
644980	10/1	CO	Record of work quarter ending 6/30.Y	

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Number.	Date.	From or To—	Subject.	

DELAWARE: RECORD OF WORK:

Number.	Date.	From or To—	Subject.	
451626	10;1	USS PROMETHEUS	Record of work.Y	
453167	10/1	CO	Quarter ending 9/30. Y	
			1920	
469261	1;1	USS PROMETHEUS	Quarter ending December 31st.Y	
474860	1;1	CO	Quarter ending December 31st.Y	
483613	3;10	Norf	6-13-19 to 6-17-19.Y	
488378	4-1	PROMETHEUS	Quarter ending March 31; Y	
502636	7;1	CO BRIDGEPORT	Quarter ending June 30,1920.	
502899	7;1	CO PROMETHEUS	Quarter ending June 30,1920.Y	
503681	6-30	PROMETHEUS	Quarter ending 6-30-20; Y	
506760	7;1	CO	Quarterly report quarter ending June 30th.Y	
522347	10/1	CO PROMETHEUS	Quarter ending 9/30/20 Y	

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182-25: DELAWARE: RECORD OF WORK:

Number.	Date.	From or To—	Subject.
523266	10;1	CO	Quarter ending September 30th.Y
		1921	
539932	1/3	CO PROMETHEUS	Quarter ending 12/31 Y
543995	1;1	CO	Quarter ending Dec 31st.Y
551787	3/15	Boston	10/18/20 to 1/3/21 Y
558111	4;1	PROMETHEUS	Quarter ending 3;31.Y
558334	4;1	CO	Quarter ending 3;31.Y
574244	7/1	PROMETHUS	Quarter ending 6/30 Y
581569	7;1	CO BLACK HAWK	Quarter ending June 30th.Y
588497	10;1	CO	Quarter ending Sept 30th.Y
589169	10/7	PROMETHEUS	Quarter ending 9/30 Y
592142	10;1	CO BLACK HAWK	Quarter ending Sept 30th.Y
602987	12;31	CO PROMETHEUS	Quarter ending Dec 31st.Y

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DELAWARE: RECORD OF WORK

1913

Number.	Date.	From or To—	Subject.	
104332	8-18	NY	Mch 3 to July 9. Y	
108459	10-15	NY	July 9 to Oct 1st.Y	
116341	1-27	Norf	Dec 20 to Jan 7. Y	
		1914		
133014	8-25	Norf	Apr 10 to July 1. Y	
147452	2-?	Norf	July 1 to Nov 10	
149473	3-10	Norf	Nov 10 to Dec 29	
185401	4-19	Norf	Dec 9, 15 to Jan 6, 16	
186568	5/1	Norf	Dec. 29, 1914 to Dec. 9, 1915.Y	
		1917		
247335	8/28	Bost	8/1 to 8/27 Y	
264716	11/22	Bost	11/15 to 11/22 - Y	

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DELAWARE: RECORD OF WORK. 182 - 25

Number.	Date.	From or To—	Subject.
274106	1/15	Bost	Aug 1st to Aug 27th - Y
279578	No.	CO	Quarter ending Dec. 31. Y.
292810	3-19	Boston	Nov 13 to Nov 22. Y
305904	—	CO	Quarter ending 3/31 - Y To US European Forces-Desires number,description and type of lights. 5-16
333681	7-1	CO	Quarter ending June 30 - Y To CO, Rqst copy of authority to purchase searchlights, 6-9 CO - 9/2 To Sims re signalling projector 9-14
		1919	
435684	7/1	CO	Quarter ending 6/30 - Y
436691	7;1	Norf	6-13 to 6-17.Y
446764	~~27~~;1	USS VESTAL	Month ending June 30th.Y
450321	10-1	CO PROMETHEUS	Quarter ending 6/30. Y

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[OVER.]

Number.	Date.	From or To—	Subject.	
638432	8/15	3	Propeller Y	
642307	9/7	CO DELAWARE 3028 2	Crank shaft case Y	
642308	9/7	CO DELAWARE 4	Muffler, cylinder cover, bearings, gear Y	
642309	9/7	CO DELAWARE 20	Detector-stand, cyrstal, hand-cart-coupler Y	
645109	5/2	CO DELAWARE 18	Seat, Valve, Thermometers, Drill, Rod Y	
646016	10/11	ARKANSAS 6	Indicator Y	

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DELAWARE SURVEYS 1922

Number.	Date.	From or To—	Subject.	
646979	10/8	5/Eng	Cylinder Gear Strainers Y To CO- Reqsts numbers of engines parts 11/27	

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DELAWARE: SURVEYS 1921 3

Number.	Date.	From or To—		Subject.	
597206	11/22		6	Thermometer Y	
597944	11/28		5	Magneto, Y	
597945	11/28		9	Bands Y	
597946	11/28		4	Condensers, Tubes Y	
598234	11/30	BELOW	11	Boiler Y	
	To Bos to Appvs condemnation of boiler cc CO 12/7 To CO Ask of shipment recd cc Boston 1/21 RB 2/11 Y			To S&A Reqst shipmt of boiler from NY to CO 9307 12/3	
599216	12/5	Boston	10	Crosshead, Ice Machine Y	
599242	12/6	Boston	7	Rod Y	
599423	12/7	B ston	14	Shaft Y	
599622	12/8	Bost	12	Projectors. Y	
600367	12/11		13	Brasses, Gear Y	
600671	12/15	Bost	8	Spares, Coils Y	
2 598334	see above			To NY-reqt report of issue-2;23-Ym	
621403	4/27		19	Magneto Y	

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DELAWARE SURVEYS 1922

Number.	Date.	From or To—		Subject.
619027	3/31		15-22	~~Pump, Crosshead Y~~
619027	3/31		15-22	Pump rods, Piston rods Y
620831	4/21	CO		Request auth to survey four standard legless telephone keys Y To CO authd 5/3
635367	5/20	CO	16	Box, boilers Y Fwds Boston cc CO 8/14 RB 9/14 Y
636333	7/24	CO	1	cylinder Y

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DELAWARE: SURVEYS 1920

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Number.	Date.	From or To—		Subject.	
531128	11/23	Boston	20	Thermometer, Gauge testing outfit Y	
533334	12/6	CO	17	carburetor	Y
534385	12/8	DELAWARE	21/115	Bulbs, Telephones	Y
537641	12/29	Boston	22	Contact- makers, Fans	Y
537756	12/17	Boston	24	Boxes	Y
537755	12/17	UTAH	23	Boxes To Atl Fleet Survey aprvd cc CO 1/5/21	Y
556219	3/30	UTAH	25	Propeller Y	
561022	4/26	CO	26/140	Picture projectors, Simplex machine	Y
563606	5/12	Comdt	30	Thermometer, Y	
563595	5/12	Comdt	29	Lantern, Hose Y	
565274	5/21	Comdt	28	Fans, Telephones Y	

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DELAWARE, SURVYES 1921

Number.	Date.	From or To—		Subject.
565840	5/24	Comdt	27	Tubes, Y
566079	5/25	Boston	31	Brasses, Barburetor Y
567460	6/2	Comdt	34	Cans Y
568125	6/6	Comdt	33	Boiler Y
568126	6/6	Bu concerned	32	Batteries Y
572944	6/29	CO	36	Propeller Y
577769	7/27	CO	1	Light Y
585939	9/12	FLORIDA	2	Engine, Rod, Piston Y CO-9;30'-Y
586579	9;19	CO	35	Radio apparatus-fwds with corres in connection with.W
594010	10/29	ARKANSAS	~~22~~-3	Day signalling searchlight L

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DELAWARE: SURVEYS:

1920

Number.	Date.	From or To—		Subject.
466917	1;2	Boston	54-15	Nozzle valves gear for reverse gear piston and other engine parts.
487058	12;1;19	Btlship Div 5	46/12	Propeller and shafting.Y
492135	5;6	NY	1	Hose and other material.Y
492343	5;7	NY	3	Various material.Y
492341	5;6	NY	4	Head telephones.Y
492339	5;6	NY	2	Various material.Y
493125	5;11	NY	5	Registers.Y
500471	6;17	CO	6-54	Ash buckets.Y
504903	7;12	Boston	8	Audion bulb.Y
504902	7;12	Boston	9	Telephone, condenser,tubes,etc.Y

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182-27:DELAWARE: SURVEYS:

Number.	Date.	From or To—		Subject.	
505921	7;16	Boston	10	Various material.Y To Boston appvd 7-21.	
507479	7;24	Boston	11	Elec matl.Y	
507478	7;24	Boston	13	Slice bars and cleaning hoes.Y	
508208	7;27	Boston	14	~~Boston~~Piston and valves.Y	
508209	7;27	Boston	7	Various material.Y To CO Recst deltd inform be submitted CC Boston 8-4 CO-9;14-Y	
520575	9;27	CO	16/89	Ignition coil.Y Fwd S&A 1-12 RB-10;18-Y	
525832	10;27	Boston	18	Various items.Y	
528494	11/9	Boston	19	Buzzer set Y	

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[OVER.]

Number.	Date.	From or To—		Subject.	
83195	11-20	Dept	28004-1-369	Eng.comp. report "A"; fwds. F Ret---11/29.	
				1913	
100633	6/30	To C&R		Final settlement; prepared to recommend; reservation.N (J)to Dept.recommendations.7/3.	
101041	7-8	Solicitor	26820-171	Finally accepted July 7. N To Bath.advising.7/9.	
101264	7-7	Dept	26830-171	Directs final acceptance and payment. N Fwd C&R,vouchers have been appd.7/12. C&R rect return 8-8 To C&R.were fwd July 12th.8/11	
101487	7-14	Dept		Eng.Comp. report. B. F Fwd Dept.7/16.	
104411	8/26	Dept		Umpire's report,fwds	766
106827	10-1	Dept		Eng.Comp. Report A. Fwds. F To -- returns 10-2	
112070	12-6	Dept		Report A; fwds. F Ret---1/29.	
120758	3/2	DRAYTON		Eng.Comp.reduction of requirement speed on smoke prevention run.	766

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DRAYTON: TRIALS: 192-2

Number.	Date.	From or To—	Subject.	
130381	7-20	Dept	Report B Eng Com. F Fwd Dept.7/22.	
136494	10-9	Dept	Full power and smoke prevention run;fwds. F Retd-- Noted. 10/12	
139076	11-7	Dept	Report A. fwds. F Retd--Rec report be fwd Tor Flo for recommendations as to certain changes. 12/5	
			1915	
150606	3-25	Dept	Full power and smoke prevention trial. F Retd-- Noted. 3/26	
150866	3-27	Dept	Full power and smoke prevention run; F Retd-- Noted 3/29	
151372	4-3	Dept	Report A. F Retd-- Noted. 4/3	
			1916	
191945	6-23	CO	Fwds.performance curves; gives reasons for inability to obtain from new data.M	
2Loo				
210005	12-29	Dept	Tactical data; fwds.M Fwd Gen Bd via C&R--12/30	

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DRAYTON: TRIALS: PAYMENTS:

Number.	Date.	From or To—		Subject.	
38858	5/8	Dept		Report on final trial.N Fwd C&R Prepared to make joint report on completion of work.5/18.	
38856	5/16	C&R	24154-E.94	Report of board on final trial; returns specns.N	
40141	6/1	TO Bath		Reqt. report on weights in order that partial payment on final settlement may be made.N	
40170	5/31	NY	384-825-25	Reports on work recommended by Board on trial to be made good by contractors & Yd.N	
40351	6/3	Bath	1793	Reports final weights of machinery.N.	
40445	6/3	Dept		DELAWARE: reqt estimate for fitting Motor gnerators for operating Sperry gyro compass. Fwds report of trial on DRAYTON	182115
40713	6/7	NY	384-820-9	Comments on list of work chargeable to contrs.: gives status of. N	
40842	5/29	Dept	26820-154	Fwds application for final payment for report and recommendations.N. (J) to Dept.Recommendations.6/10. RB 6-19 a'ppd Fwd C&R. Vouchers have been apprd.6/20.	
42052	6/21	Bath	890	Fwds weight sheets. D	
48105	9/6	Bath		WEIGHTS: added due to auth. changes	729

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DRAYTON: 192--2

Number.	Date.	From or To—	Subject.	
48796	9/15	Bath	WEIGHTS: fwds total inc. & dec., due to auth. changes on:	729
50235	10/3	Bath	& PAULDING: reqt copies of quarterly full power trials.	337--2
51711	9/22 9/26	Bath Iron Works Dept 26820-163	Reqt. payment of sum due on final accept.N Fwd Dept Not rec. because item - make satisfactory safety valves - not yet made good by contrs.11/13. (J) To Dept-Rec. ad interim payment.12/14. RB 12-22 a'ppd Fwd C&R.12/23.	
53625	11/14	Bath Iron Wks	& PAULDING, etc: defects reported in recent full power trials, especially in regard to oil burners and brick of boilers	337--2
55048	12/1	Bath 1523	Final settlement: re status of defective safety valves in connection therewith.N	
54888	11/29	Solicitor	& PAULING: fwds copy of Dep't letter to Bath Iron Wks re final settlement. Will be delayed pending making safety valve satisfactory	337--2
			1912	
64760	3/27	Bath	& PAULDING: reservation for defective safety valves, asks if have been made satisfactory.	337--2
66200	4/12	Dept	& PERRY: report "A" engrg comp. trials	347--2

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[OVER.]

DRAYTON: TRIALS: PAYMENTS: ETC.

FILE No.	From or To— (Dated)	Subject.	
36829 4/21	Solicitor 26820-146	Fwds copy of order to board on final trial.	N
36242	See Card #1	To Bd I&S. All work completed.4/27.	
37539 5/1	Bath Co T	Final acceptance trial shows after blower out of balance: reqt. authority to have engineer go on board and remedy. N (T)to -- Passage will be auth.5/2. Fwd Nav. rec appr.5/2.	
37714 5/3	Bath Co T	Reqt. instruns. be wired to Engineer giving authority to go aboard ship to remedy defects.N (T)to Haverfield(Engineer). 5/3.	
37846 5/4	Bath T	Rest. instruct vessel by wireless to call at Oil Point for Engineer.N.	
37879 4/27	C.O.	Submits copy of letter to Bd. of Inspection & Survey at time of final trial in connection with work authorized, work done and changes desired. N	
38078 5/6	Bd.I&S 646	Report on final trial.N To Bath. Items chargeable to contrs.5/9.	
38542 5/11	Bd.On Changes,Bath 682	Reduction in length of 16 knot trial; dec.cost.N (J)to Bath & -- Apprd. 5/18.	
38610 5/12	Bath 688	Contractors comments on defective work reported on by Trial Board.Y Fwd C.O. via NY. for comment and report.5/18	RB 5-24

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DRAYTON: TRIALS: PAYMENTS: ETC.

FILE No.	From or To— (Dated)	Subject.	
29938 1/21	C.O.	Fwds data sheets for 10 six hour test runs; and gives deductions; states boilers cannot be operated with all burners, without danger to brick work.	
30319 1/27	Bd. on Changes 164	Inc. cost for indexing fin. machy plans. N To Bath apprd 2/1	
31275 2/8	Bath	Fwds bills covering approved inc. cost. N	
32199 2/19	C.O.	Submits results of test runs; oil fuel heaters; boilers, brickwork, etc. Y	
32885 3/2	Bath 342	Bill covering authorized changes in cost. N	
35006 4/3	C.O.	TBDS: reports on safety valves.	496
36242 4/15	Bd. I&S 541	Preparation for final trial; reqt. list of items of work uncompleted. N. To Bath. Asks if all work is completed. 4/18.	See Card 2.
36341 4/13	Drayton	TBDS: comments on arrgt and performance of machinery with suggestions for future design	496
36701 4/20	Solicitor	Reqt. copy of machinery specns. for use on final trial. N To -- Copy fwd 4/21.	
36790 4/20	Bath 585	Final; reports on condition of work; test of elec. plant not yet approved. N	

NB—0120

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DRAYTON: ELECTRIC PLANT: general

Number.	Date.	From or To—	Subject.	
39263	5/19	Ports	& PAULDING: reqt instructions re disposition of Record of Elec. Appliances and finished tracings.	337--3
54228	11/21	NY	& PAULDING: lighting in engine and firerooms Present arrgt. satisfactory	337--5
			1912	
			1913	
			1914	
		140		
140238	11-14 11-16	CO At Flt	New radio set, conduit for standing lights for air locks, leading to fire rooms, L Fwd NY-- For estimate and rec. 11/30 rb 127 To NY-- Work appvd· 12/10	
		1916		
188101	5-17	To NY.	Defective bearing linings in generators report in report of elec plant; reqt rec for remedying defects. L NY reports transfer order for work to Phila 6-18	
309617	5-25	To C O	Alterations to Elec/ Plant, rqst covering necessary changes should be madeto Bureau via home yard in the usual manner, L	

NB—0120

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N.S.E. Form 134.

DRAYTON: ELECTRIC PLANT GENE. 1919

Number.	Date.	From or To—	Subject.
383902	1;1	CO	Reqst. install emergency cabine for CO provide
	1;9	C&R	ventelation for radio room etc L
			Fwd Operations via Ordnance. 2-19

NB—0120

[OVER.]

DRAYTON: INTERIOR COMMUNICATION SYSTEM.

Number.	Date.	From or To—	Subject.	
38648	5/12	Dept	Fwds report on portable fire control telephones; not used on account of being in adequate. L	
39261	5/20	DRAYTON	FIRE CONTROL: submits sketch of proposed plans, for TBDS:	647
40436	6/5	TO C.O.	Reqt. report on unreliability of elec. tank signal system. L BLRB 6-21 Fwd C.O. Directs reqst for installation of 3 new contact makers be made thru NY Yd. 6/23.	
49619	9/26	Dept	WALKE: Fwds report on telephones, voice tubes, searchlight mechanism in connection with battle practice. L 1912 1913 1916	
190134	6-5	Phila	Fire control telephones; proceed with repairs; require disapproval of 2 ship's service only. L To--Directs removal of fire control telephones. 6/7	
208530	12-13	Phila	~~Bell signals from torp tubes to air compressor; plan and estimates. L~~ To--Plan and est appvd. 12/28	

N.S.E. Form 134.

DRAYTON: INT COM SYS. 192-4

1917

Number.	Date.	From or To—	Subject.	
215451	2-20	C&R	Request recommendations re installing 3" fire control voice tubes from bridge to guns 2 nd 3. L To--Recommendations. 2/26	

NB—0120

[OVER.]

1917

DRAYTON: LIGHT AND POWER.

Number.	Date.	From or To—	Subject.	
229005	5/18	Bost R	Request additional signalling searchlight.L To--(T) Appvs.5/19	
272668	1/5	Bost VOID	May 4th to May 21st - Y	
394480	2/13	Bost T	Turbo generating sets require overhaul and repairs - request authority to place reqn with GE Co covering - L To(T)- Auth granted. 2-13	
396670	2-24	Phone S.O. Boston	Generators- L	
397438	2/20	Bost	Confirms telephone conversation requesting status of generating sets from GE Co for-L	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

DRAYTON: LIGHT & POWER SYSTEMS.

1912

Number.	Date.	From or To—	Subject.	
84566	12-7	Mass 5063-3	Gen sets; spare armatures; fwds test reports.S. To NY.&---prel.accepted.12/12.	
			1913	
93381	3/25	Hart.	Armature; ready for inspection. Inspr complains of non receipt of this and other requests for inspection of material manufactured by G.E.Co.S Fwd GE via Mass. reqt effort be made to have company comply 3/27 RB 4-4 Fwd GE.comment; requirements of orders.4/7. RB 4-14 GE reasons for delay 4-9	
95921	3/21	C.O.	Repairs to gen. sets, testing set, etc	192--8
98429	5/29	CO	States room for two 10-kw sets.L	
109150	10/29	C.O.	Reqt 10 in lieu of 5 Kw Gen. set.	192--8
109210	10/30	CO	Switch for searchlight, feeder mains on bridge etc.	192-8
			1914	
140238	11/14	CO	Conduit for standing lights for air locks, leading to fire rooms	192-3

NB—0120

N.S.E. Form 134.

DRAYTON: LIGHT & POWER 192-5

Number.	Date.	From or To—	Subject.	
			1912	
140232	11-20	CO	Reqt that 5 kw gen set be not removed during overhaul period for conversion. L To-- (T) Disappvs. 11/24 To-- Disappvs. 11/25 CO reports on 11-25	
20710	11/25	DRAYTON	Submits list of material shipped	629
20710	12-23	To N.Y. & S&A	Sets will be shipped Jan. 9th	629
			1915	
151671	3-31	CO	Alterations; location of standing lights in ward room, and lighting circuit. L Fwd Dept-- Rec disappvl. 4/10 RB 4/13 To-- Disappvs. 4/13	
157269	6-8	CO	Reqt authority to remove wire from ward room lighting circuit and place behind sheathing.L Fwd NY-- For comment. 6/14 RB 6/23 To--Disappvs. 6/25	
168657	10-15	NY	Estimate for installing adapters night signal sets. L To appd 10/20	
			1916	
188802	5-23	Phila	Gen sets; in good condition except bearings; reqt be lined with Parsons white Brass.L To-- Authorizes. 5/26	
			1917	
217604	2-23	CO	Repairs to gen set; install additional lights.L Fwd Chasn--Work appvd.3/20 RB 4-2 Chasn estimate 3-28 To Chasn--Appvs est.4/4	

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[OVER.]

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DRAYTON: LIGHT & POWER SYSTEMS.

FILE No.	From or To— (Dated)	Subject.	
28357 2/9	To Ports.	Switchboard arrgts. Reqst status of. R.B.3/8	381--5
39721 5/25	Bath 742	Switchboard voltmeter; C.O. states operates satisfactory.L.	
50396 10/5	NY	& PAULDING: reqt prints of lighting plans in connection with revising lighting in engine and fire room	337--5
52179 10/25	New York 384-590-4	Gen. sets; repairs to casing; submits estimate.L.	
52207 10/13 10/14	C.O. NY 384-590	Repairs to gen. set casing.L	
53602 11/8	NY	& PAULDING: light in engine and fire rooms, fwds prints of present and proposed arr.	337--5
54228 11/21	NY	& Pauling: lighting in engine and firerooms present arrgt satisfactory	337--5
		1912	
70188 5-13 5-18	CO NY 384-756-1	Repair elec. safety lanterns, and portable ventilating set.L	
84487 11-20 11-27	CO NY 384-775	Repair searchlight.L	

NB—0120

DRAYTON: RADIO

Number.	Date.	From or To—	Subject.	
383902	1/1 1/9	CO C&R	Reqst. install emergency cabine for CO provide ventelation for radio room etc L	192-3
>396391	2;17 2;19	Boston Dept	Confirms telephone conv. directing do not del. vessel to install radio house and compass W Fwd Operations. 2-26	
396634	2;19	Boston	Will leave before installation of radio compass can be completed W	
354478	2 20	To 1st Dist	Radio apparratus for DRAYTON snd destryoer 91 W "o S&A Reqwt shipt radio reciying equipt from Boston To S&A Reqst shipt order of 10/8 to be camcelled 3/7	104-Q-5
418445	5/16	To Chasn	Authorizes installn of audion control box on DRAYTON and MONAGHAN. W	898

N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	

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DRAYTON: RADIO

2

1913

Number.	Date.	From or To—	Subject.	
88001	12-31	CO	Description.W.	
88196	1-5 1-21	CO NY 384-855-1	Reports on unsatisfactory working of set; Yard reports material necessary to remedy defects.W.	
96148	4/25	NY 384-855-2	Radio room; relocation of.W To---relocation deferred; also with reference to other TBDS. 5/22.	
99390	6-11	CO	Install hot wire ammeter and transfer switch.W Fwd NY.appd if recommended.6/13. RB 7-9 To NY.estimate appd.7/2.	
			1914	
140238	11/14	CO	New radio set	192-3
143097	12-26	NY	New motor starter for radio set; recommends not be installed until new wave changer is ready. W. To--Installation canceled. 12/29	
			1915	
152906	4-21	To CO Via Flo Comdr.	Regn 46; withholds action on pending comment in regard to auxiliary radio sets. W-R	
			1916	
183495	3-15	CO	Reqt new radio set L	

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192 -- 6 DRAYTON: RADIO:

Number.	Date.	From or To—	Subject.	
184364	4-12	To Phila Via C&R.	Have reqtd shipment of 2 K.W. radio transmitting set from NY for installation on; reqt plans and estimates for installation; return old set to NY. 4/12 To S&A--(2) Reqt for shipment. 4/12 NY s t on survey 87 received from DRAYRON and sent to Phila Apr 12, 1916. 11-10	
187297	5-8	Phila	Lowenstein set; recd May 5; no space available for installation. W To--(R) Auth place radio set satisfactory operating condition. 5/11	
187405	5-8	Phila	Enlarge radio room; plan and estimate.W To--Reqt further information on. 5/18 Fwd C&R--6/10	
189953	6-2	Phila	Radio installation; submits estimate for enlarging hose and installing 2 kw set.W To--(R)Is radio house considered adequate. 6/7 To--(R)Reqt reply. 6/8 Phila (R) gives reasons for recommending 6-9 To--(R) Appys estimates. 6/9 Fwd Dept Via C&R-- Have auth. 6/10 RB 6/21	
190226	6-6 6-7	Phila Dept	Radio work; can complete by July 12 if authority received June 9.W Fwd Dept Via C&R--Comments on. 6/10	
202959	9/10 10/17	CO Flt	Replace present antenna.W To Phila--Reqt est for. 10/27	
			1917	
224345	4/23	To NY	1" spark gap for auxiliary sending set. Reqt rec and ests covering. W NY estimate will be submitted when vessel arrives at yard 4/28	

NB—0120

[OVER.]

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DRAYTON WIRELESS 1

FILE No.		From or To— (Dated)	Subject.	
33580	3/11	To NY	& TERRY: sets; will purchase MARCONI apparatus and directs installation at that yard	432--6
No #	3/11	To Dept	NSA reqn.253:Rec.order for W.T.sets be placed with Marconi W.T.Co. Immediate purchase desired. Also TERRY & PERKINS.	
36002	4/5 4/11	C.O. Norf 2067-3043	Reqt. repairs to wireless detector.W Ret Norf. apprd 4/13. RB 4-19	
37966	5/4	C.O.	Reqt. grounds in motor generator W.T. be repaired. W Fwd NY apprd 5/8.RB 5-12	
38221	5/7	To C.O.	& TERRY: reqt report on working of system	432--6
38589	5/4 5/8	C.O. NY 384-855	Reqt. ground and motor generator of wireless be repaired. W	
39567	5/23	NY 380-820-4	Place wireless outfit in working condition.	W
39978	5/27	C.O.	Reports on efficiency of set.W	
			1912	
82424	10/29 11/9	CO THRU At.Flt.	Overhaul and alter helixes of sending apparatus.W	
82646	10-29 11-5	CO NY 384-855-5	Changes helixes. W. To NY.appd.11/15. Fwd Dept.11/15.RB 11-18	
			1913	

NB—0120

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DRAYTON: MACHY PLANT.

1919

Number.	Date.	From or To—	Subject.	
430771	7-3	Dept	Instructions in connection with holding material inspection. Y To Bd I&S- Fwds correspondence. 8-13 Bd I&S - returns correspondence - 11/3	
434109	7;18	Dept	Material inspection of vessel will be held at Philadelphia prior to being placed out of commission. Y	
455020	10-?	Bd I&S	Report of matrl insp held 8-14.	Y
458396	11;17	Phila copy	Vessel placed out of commission. N.A	
		1 9 2 0		
466732	1;2	Phila (2 letters)	Submits report of general survey by Board of Survey and Estimates. Y Fwd Dept. 1-13 RB-1;19 Fwd Dept. 1-13 RB-1;19 To Phila. 1-20 To Phila. 1-20 Phila-Submits estimates-2;11 To Phila- Revised estimates appvd. 2-18	

4—3381

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N.S.E. Form 134.

~~193-6:~~ DRAYTON: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
533969	12;8	Ports	Submits estimates covering installation of radio apparatus.W	
		1922		
642150	9/20	Phila.	Subm status of outstanding job orders.	Y

[OVER.]

DRAYTON: MACHY PLANT.

1916

Number.	Date.	From or To—	Subject.	
205745	11-15	Dept	Repair limit Jan 6.Y	
214681	2-17	At Flt R copy AYLWIN	& DRAYTON badly damages; request be convoyed around Matteras.	517-8
215071	2/16	Dept	&DRAYTON; Available for repairs Chans about Feby 26. Y	517-8
218372	3/6	Atl Torp Flo	Recommends all outstanding job orders be transferred from Norf to Chasn, from Bost to Chasn. Y	517-8
223259	4/12	Charleston	Drayton asks if incomplete work is to be transferred to home yard Y To--Reqt work be transferred to home yard.4/18	
258315	10/6	CO	Fwds work accomplished at the Camell Leard Shipbuilding works.Y	
280927	1/18	CO	Report on work done last refit - Y	
515920	6-7	To Boston	Rqst report of work on outstanding job orders Y To Boston, Re cancellation of job orders 7-9	

N.S.E. Form 134.

DRAYTON: MACHY PLANT 192 - 8

Number.	Date.	From or To—	Subject.	
345072	8-21	CO	Request prints for all fire room machinery such as boilers engines, etc - D To CO, fwds blue prints of mch plans 10-15 To CO, fwds blueprints 10-17	
385088	1;23	To Boston	Received back 2;3;19	
397536	2;24	CO	Submits list of various prints reqstd. To- Fwds prints. 3-4	
408262	4-4	To Boston	Transfer of job orders correspondence etc to Charleston Y	
417161	5;7	CO	Reqst. prints of oil burner and air registers D To C&R- Fwds copy of CO letter with reqt for prints. 5-12 To- Fwds prints. 5-13 C& R 2 let 5;21	
NSA 1430	5-26	To DRAYTON	Approves reqst of Co to turn in store 400# Cassco packing R	

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[OVER.]

DRAYTON: MACHY PLANT.

1915

Number.	Date.	From or To—	Subject.	
146824	2-2	Dept	Military inspection.Y Retd Via Ord-S&A--Noted. 2/10	
150692	3-8	CO	Change pipe leads and install Audiffren ice machine.Y Fwd Dept-- Rec disappvl. 3/29 RB 3/31 To-- Disappvs. 3/31	
			1916	
178593	2/7	NY	Fwds plan showing alterations and additions made	337-8
179120	1-21 2-4	CO At Torp Flo	Relative to delay in sailing.Y Fwd Dept--Noted. 2/16 RB 3/16 Fwd Dept--Rec lifting of rotor casings be undertaken by ship's force. 3/8	
183494	3-13	CO	Request alterations to new forced draft blowers; and audiffren ice machine.Y Fwd Dept Via C&R--Recommendations.4/5 RB 4/15 Fwd Dept-- Rec disappvl ice machine.4/17 RB Dept directs that ice machines be not installed TBDS prior to #45 4/22 Fwd Dept--Rec installation begin with TBDS beginning #43. 4/22 RB 5/9 To CO--Disappvs. 5/15	
183713	4/4	Dept	Directs material inspection Phila.Y To Bd I&S--Fwds records of work on.4/6 Bd I&S returns 4-24	
185816	4-17	Bd I&S	Material inspection.Y Phila (R) will fwd May 17 5-15 To Phila--(R) Fwd estimates. 5/13	
186360	4-14	Dept	Military inspection; fwds report.Y Retd--Noted. 5/6	

N.S.E. Form 134.

DRAYTON: MACHY PLANT. 192-8

Number.	Date.	From or To—	Subject.	
187283	5-9	Dept	Directs auth work be proceeded with; disregarding repair limit May 20. Y	
188537	5-13	Phila	Status of work; fwds report.Y Fwd Dept Via Ord--Noted. 5/22	
188568	5-20	Phila	Report of board survey and estimates.Y Fwd Dept--Recommendations. 5/22 RB 5/25 To-- Gives action on. 5/25	
188867	5-23	Dept	Repair limit June 24.Y	
190502	6-10	Dept	repair limit extended to July 12. Y	
190674	6-12	Dept	Repair limit extended to July 15. Y	
192755	7/1	CO	Reports on condition of machinery and boilers.Y	
193947	7/15	CO	Repairs to throttle valves, gage glass fittings, fuel oilheater, etc.Y	
202957	9/10 10/17	CO Flt	Provides Cummings engine log system and small portable blower.Y Fwd Dept--Rec disappvl. 10/21 RB 10-24 To CO--Gives action on. 10/24	

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[OVER.]

DRAYTON: MACHINEY PLANT.

Number.	Date.	From or To—	Subject.
95483	4/21	CO	Fwds list of work to be done by ship's force during overhaul period.Y
95921	3-21 4-18	CO NY 384-755-1	Repairs to circulating pump, thrust ring, foundation for steering engines, stern tube gland, gen sets, testing set. Y. To NY.appd.4/28. NY 4/28.Relative to misunderstanding of Bu. and yard in connection with Naval Instructions Article 4335.Y Ret NY.instructions.5/6. RB 5-9
109151	10-29	CO	Reqt. turbine circulating pumps, and Bu type fuel oil burners.Y Fwd NY.work authorized.11/11.RB 11 21
109150	10-29	CO	Reqt. 10 in lieu of 5 kw gen sets; new distillers, connections between fire room and salt water side of port main condenser.Y Fwd NY.for est and rec.11/11 RB 12 2 Fwd Dept via C&R.with rec.12/4 RB 12 17 To NY.instructions.12/20.
109210	10-30	CO	Switch for search light, feeder mains on bridge and rebuild back wall of all boilers.Y Fwd NY.appd.11/5. RB 11 19
111734	12-1	CO	Install independent suction from each oil bunker, additional lub oil storage, evaporator, feed water heaters, seaprator for evaporators, and augmentor condenser.Y Fwd NY/for est.12/12. RB 1 9 Fwd Dept with rec.1/12 RB 1 15 To NY.instructions.1/15.

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1914

DRAYTON: MACHY PLANT. 192-8

Number.	Date.	From or To—	Subject.
116715	1-20	Dept	Inspection; military; fwds. Y Ret---via Ord. S&A.2/9
126181	5/24	CO	Requests installation of a new ice machine and a feed water connection from auxiliary feed pumps to feed water heater.Y Fwd At.Torp.Flo. for rec and comment.6/4 rb 6 16 Ref. Dept. recomds. dis. 6-19 rb 6 25 To--6/24
126179	5/25	CO	Gives list of work undertaken by ship's force during overhaul period in New York.Y
127104	6/10	Dept.	& WARRINGTON: HENLEY: repair limits July 15, July 15 and July 25.Y
128837	7-1	Dept	& WARRIN TON: repair limit July 31.Y
139599	11-13	Dept	Repair limit Jan 10. Y
139895	11-11 11-16	CO At Flt	Alterations to valves in gland steam line to port LP turbine; new traps, zinc box for fire main connection between oil manifolds fuel oil pump; pressure gages in fire rooms, new type radiators. Y Fwd Dept. 11-20 rb 12 8 Fwd NY-- 11/23 rb 12 8 Fwd NY--Work authorized. 12/9 rb 12 24
140095	11-14 11-16	CO At Torp Flt	Reqt alterations in connection with C&R Wk.Y Fwd Dept--Recommendations. 11/27

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[OVER.]

DRAYTON: MACHINERY PLANT: GENERAL:

FILE No.	From or To— (Dated)	Subject.	
30786 2/3 TO	C.O.	Requests report on location of distillers, oil cooler, circulating pump, and asks if pump connections or regulators are necessary on main feed pumps. N	
31442 2/8	C.O.	Reqt. location of distillers, capacity of oil cooler circulating pump, pump regulating valves for main feed pump. D	
34829 3/28	C.O.	TBDS: of class: reqt report on performance of machy.	496
48436 6/10	Dept 28043-4	Report of inspection held Apr.20.Y Ref. Dept. 9/27	
		1912	
64837 3/25	NY	& PAULDING: fwds tracings showing alterations and additions in machy and piping.	337--8
67228 4/8 4/17	CO NY 384-755	Rebore cylinders of feed and fuel oil pumps and repair brick wall of boiler #1.Y	
79955 9-27 10-9	CO NY 384-755-2	Replace stbd propeller, repair main and circulating pump, oil heater, fire room piping.Y TO -- appvd.10-25	
		1913	
83047 11/30	To NY		

DRAYTON: MAIN ENGINES.

1915

Number.	Date.	From or To—	Subject.	
158994	6-25	CO	Report on examination of turbines.Y Fwd Dept.- 6/28 RB 6/30 To via NY--Appvs recommendations.7/1	
182724	3/21	Dept	1916 Copy of instructions to At Torp Flo directing that routine lifting of rotor casings for examination of turbines shall be done by ships's force	637
185220 VOID	4-7	CO	Report of crack in main steam pi Y casting.Y	
190690	6-9	CO	Turbine casings; reports on conditions found after lifting. Y	
191493	6-20	Phila	Request authority to make alterations in maneuvering throttle valves; impossible to make present design steam tight.Y To--(R) Appvs. 6/23	
			1919	
385088	1;8 1;10	CO Boston	Req. esamination of terbines be made Fwd Operations. 1-16 R B 1;21;19 Fwd Boston. 1-23	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

DRAYTON: MAIN ENGINES: ETC.

FILE No.		From or To— (Dated)	Subject.	
30331	1/27	Bd. on Changes 161	Omission of tallow tanks; dec.cost. N To Bath apprd 2/1	
30337	1/27	Bd. on Changes 1949	Lubricating oil supply for turbine bearings; installation of 1" lock valve. Inc. cost.N. To Bath apprd 2/1	
30347	1/27	Bd. on Changes;170	Inc. cost; installation of calorimeter in main steam pipe. N. To Bath apprd 2/1	
35167	3/30	Norf.	PAULDING: reqt prints of oil deflectors for turbine bearings.	337--9
49640	9/26	C.O.	Recommends annual lifting of turbine casings be postponed for one year; turbines in excellent condition. Y Fwd Dppt. recom.be waived.9/28 RB 9-30 a'ppd ref. C.O. 10/2 RB 11-2	
			1912	
68303	5-4 5-6	CO NY 384-780	I.P.C. turbine thrust bearing;top cap for. Y	
82373	11/7 11/9	CO NY 384-590-7	Repairs to blades of turbine.Y	
			1913	
111823	11-26 12-1	CO NY 384-590-4	Resheathing MHP turbine.Y To NY.appd.12/4	
			1914	
118573	2-25	CNY	Change in lub oil tank; fwds weight sheets.D Fwd C&R.fwds weight sheet.2/27. RB 3-7	

DRAYTON: BOILERS.

1019

Number.	Date.	From or To—	Subject.	
387664	1/14 1/20	CO Bost	Fwds drawing of foundation for forced draft blower - report on necessary work- To C&R- Recommends using same method of strengthening blower foundations as use on the TRIPPE. 1-29 Copies to CO Boston Comdr Des Force. To Boston- Waiving of full power trial not recomeended. 1-29 copy to Des Force & C&R copy of inst. to Boston 2 3	D&Y C&R.

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	

192---10

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DRAYTON: MAIN BOILERS. ETC.

1913

Number.	Date.	From or To—	Subject.	
108153	10/16	At.Fleet	Reports on inspection of boilers.Y	
109150	10/29	C.O.	Reqt new distillers, etc	192--8
109210	10/30	CO	Switch for searchlight, rebuild back wall of all boilers,etc.	192-8
111734	12/1	C.O.	Install independent suction from each oil bunker, evaporator, feed water heaters, separator for evaporator, etc	192--8
115580	1-19	NY	Reports on inspection for leaks and repairs made to casings.Y	
118576	2-25	NY	Alterations to distilling plant; fwds weight sheets.D FwdC&R.2/27.	
			~~12300~~	
123006	4/21	To NY	Extract from steam log shows distiller tubes tubes furnished under NY reqn 86 defective; report contractor's name an d any tests made on receipt of tubes.Y NY replies 5-6 To CO.asks if can be expanded after being annealed.5/8. CO 5/17 further report on defective tubes.Y	

1914

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N.S.E. Form 134.

DRAYTON:MAIN BOILERS: ETC. 192-10

Number.	Date.	From or To—	Subject.	
126987	6/9	CO	Request new design distillers.Y Ref. Dept. r comds. 6-11RB 6 16 Fwd NY.6/16.rb 6 24	
151120	3-30	CO	Evaporating and distilling plant: reports on method employed in care and operation of.M	
161667	7-27	To NY.	Defective feed heater tubes; quotes extract from steam log; reqt comment of. Y RB 8/13	
270553	1-2	To S&A	1918 Reqt shipt boiler tubes from Boston Co. Y To NY- Inform if tubes yet received / 2-14	RB 3-2Y
308602	5-17	Charleston	Evaporator coils - requests print. D	
322517	6/19	CO	Submits report of pitting found in boilers -Y To CO, re examination of pitted and drums 7-8	

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[OVER.]

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DRAYTON: MAIN BOILERS: ETC.

FILE No.	From or To— (Dated)	Subject.	
30322 1/27	Bd. on Changes 167	Change in brick work of boilers; inc.cost.N. To Bath apprd 2/1	
30328 1/27	Bd.on Changes 1939	Smoke observation towers in uptake of boilers. Inc.Cost.N. To Bath apprd 2/1	
30356 1/27	" " " 1300	Inc. cost, lengthening smoke stacks to 8' N To Bath apprd 2/1	
31442 2/8	C.O.	Reqt location of distillers: capacity of oil cooler circulating pump, pump regulating valves for main feed pump	192--8
32199 2/19	C.O.	submits results of test runs, oil fuel heaters boilers, brickwork, etc	192--2
45406 8/4	To C.O.	BLOWERS, turbine, "Terry" packing gland on shaft, reqt report on.	612--4
46085 8/8	C.O.	BLOWERS; States packing glands for, furnished by Terry Steam Tur.Co. have not yet been fitted.N	612-4
		1912	
67228 4/8	C.O.NY	Repair brick wall of boiler#1	192--8
75314 8/7	At.Flt.	Boilers: reports inspection of.Y To-N.Y. fwds copy 8/10	
52522 11/25	C.O.	FIRE BRICKS, reports satisfactory	443--10

NB—0120

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DRAYTON: AUXILIARY MACHY

L

1913

Number.	Date.	From or To—	Subject.	
103621	8/13	To	Motor dory 971, reqt revised sheet C	611--2
No #	10/13	To CO via At Torp Flo.	Survey #1: Motor dory 971: turning into store for sale of Ferro engine 3075 disapproved. Y	
No #	11/15	To NY	Motor dory 971: Rec that Ferro engine, Bu.No.3075, be sold is approved. Assignment of engine to replace is withheld. Y	
~~110828~~	~~11/17~~	~~Hannibal~~		
110817	11/20	To NY,Norf, etc	Motor dory 971, EE engine 2231 assigned,	611--2
111837	12-16	TO NY	Asks if received engine 2231 from Norf	12 225-11
			1914	
116608	2/2	To Drayton	Motor dory 871, Bu. record shows engine 2231 instead of 2131	611--2
129449	7/16	To CO	Directs EE engine 2231 be turned in,	611-2
130289	7/18	DRAYTON	Corrects number of engine in motor boat 971; should be 2231	611-2
131125	7/29	C&R	Assigns motor dory 1666 in lieu of 971 to ship	611-2
141182	12/3	NY	Reports issue to DRAYTON of one Ward boiler 876	611-1

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N.S.E. Form 134.

DRAYTON: AUXILIARY MACHINERY 192 -- 11

1915

Number.	Date.	From or To—	Subject.	
146857	2/10	To DRAYTON	Reqt C&R registry number of boat in which type EE engine 2331 is installed	611-2
153230	4/24	C&R	Directs construction of motor sailing launch at NY	611-2
			1916	
185563	4/22	C&R	Assigns sailing launch 2539 to DRAYTON in lieu of WILKES	611-2
185582	4/22	C&R	Directs motor sailing launch 2471-2 now assigned DRAYTON & WARRINGTON be re-assigned for issue	611-2
187258	5/8	C&R	Assigns motor dory 1286 to DRAYTON now assigned DOWNES	611-2
193507	7-12	Phila	2172 drawn for motor dory 1286	611-2
193561	7/14	Fwd CO	Returns C sheets of steam log for correction	611-2
194337	7/21	Phila	EE engine 2172, motor dory 1286, ordered repaired	611-2
480428	3/8	C&R	Copy letter to Phila assigning boats listed to DRAYTON:	611-2

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DRAYTON: CONDENSERS: MAIN. ETC.

FILE No.	From or To— (Dated)	Subject.	
30359 1/27	Bd. on Changes 1937	Sub. of galvanized steel for brass condenser sheets. Dec. cost.N. To Bath apprd 2/1	
38427 5/11	To NYS	& PAULDING: main: fwds prints:	337--12
		1912	
		1913	
111734 12/1	C.O.	Augmentor condenser, etc	192--8

NB—0120

DRAYTON: HEATING: VENTILATION: REFRIGERATION.

Number.	Date.	From or To—	Subject.	
			1914	
126181	5/24	CO	Reqsts installation of a new ice machine	192-8
127281	6/12	CO	Install steam radiator in radio room.Y Fwd NY.appd.6/13.rb 6 24	
			1915	
150693	3/8	CO	Install Audriffen ice machine	182-8
151672	3-31	CO	Radiators in ward room and staterooms; reqt change in supply line. Y To-- Authorized to perform work as rqtd.4/8	
167553	10-5	CO	Install forced ventilation in living compartments and engine room.Y To--Under cog C&R. 10/15 Fwd C&R--10/15	
167554	10-5	CO	Install refrigerating plant. D Fwd Dept--Rec disappvl 10/8 RB 10/12 To-- Disappvs. 10/12	
			1916	
191176	6/17	C&R	Ventilation, engine room: no work to be undertaken pending further instructions.Y	
			1918	
292086	3-28 12;12	To S&A OVER NY	Reqt shipt one CO_2 ice machine from Phila to CO. Y To Phila Via S&A Comments on shipmt of above 8-5 To NY, Reqts shipmt of ice machine, 11-23 To CO- Inform if material recd. 2-7 S&A 6;17 RB 2;19 C&R - 8/20	

To CO- Fwds correspondnece on ice machines (Drayton) 2-21
Fwd S&A. 2-25
To S&A- Reqts shipt data. 4-30 copy to CO- Flt Sup Base and Chasn. 4-30
To CO-reqt turn in to store ice machine spare parts.8;22Y RB 9/19

NB—0120

N.S.E. Form 134.

192- 123: DRAYTON: HEATING VENT & REFRIG:

Number.	Date.	From or To—	Subject.	
292086	see	otherside	To Chasn-Reqt ice machine be taken into stock and reported to Bureau on NSE 307. 8;22 C&R-reqt action-9;16 Fwd C&R. 9-19	

NB—0120

[OVER.]

1919

DRAYTON: PROPELLERS & SHAFTING

Number.	Date.	From or To—	Subject.	
417735	5;9	Chas.	Fwds. sketch in connection in straightening of bent place in center of propeller shaft Y	
415252			Shipment order 5-2 r b 5-19. Norf (T) center propeller shaft forging marked for JENKINS & JOUETT available -5/26 To Norf (T)- Is center propeller shaft JOUETT available at Norf. copy by mail to Charleston. 5-24	
361677	6-4	SEE CARD 4	Fwd S&A. Yh RB-9;6 S&A 6/6 Fwd S&A. 9-8 To Fleet- Asks report rec of prop cap 11/10 Flt Supply Base - 11/15	
443916	9-8	To Comdt Chasn	Survey of spare propellers. Yo RB-10;3 Chasn—fwds prints/9;7 To I.M. Norf- Fwds prints. copy to S.O. Norf. 10-2 To S&A- Reqt shipment propellers from Chasn to Norf. 10-2	

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	

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[OVER.]

DRAYTON: PROPELLERS & SHAFTING.

Number.	Date.	From or To—	Subject.	
239565	7/20	To S&A	Reqt shipt of propeller from Norf to. Y	
5 272836	1-11	To NY	Spare left hand propeller. Report if was actually shipped or not to base operating. Y R B 1/17 Fwd Norf- 1-18 Received Back 1-28	
361677	10-24	To S&A	Rqst shipt propeller cap Boston to Base #7 Y To Fltt S B Brook-Inform if material has been recd and trans-shipped. 2-1-19 copy to CO R B 2/8 To S&A- Gives directions re shiptments. copy to CO. 2-8 European Forces - 4/3	
		To S&A- Reqts shipt data. copy to S.O. Pier 134S. Brook-CO-S.O.Base #7 3-6 S&A reports on efforts to trace propeller caps 3;25 Fwd S&A. 5-1 Card 5 S&A 5-26		
363531	10-30	To S&A	Rqst shipmt spare propeller caps Boston to Base 7 Y	
401406	3;10	NY	Recommends propeller wheel be re surveyed and scrapped and 1 of manganese bronze mfgd. To - New propeller to replace manel metal propeller not desired. 3-13 To S.O. Ny- 3-14 copy to I.M.Ny	

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192-14
N.S.E. Form 134.

Drayton; propellers & shafting.

Number.	Date.	From or To—	Subject.	
409312	4/8	Cruiser Force Copy	DRAYTON: PAULDING: TERRY damaged center propellers in dense fog- are making repairs-Y.	496
410578	4-14	Phone S.O. Ny	Propeller. Reqt for auth to take from NY yd to Chasn. Auth granted. copy to CO and comdt Chasn. Y	
415252	5-2	To S&A	Reqt shipt center propeller from Norf to Chasn. Yo Phone Comdt Chasn- 5-3 copy to CO	
415803	5/2	Chasn	Confirms telephone conversation relative to propeller shaft - Y	
416912	5/8	Chasn T	Propeller shafts straightened and reinstalled - Y	

NB—0120

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DRAYTON: PROPELLERS & SHAFTING

3

Number.	Date.	From or To—	Subject.	
47137	8/23	NY	& PAULDING: reqt prints of	337--14
51513	10/19	C.O.	Rev. indicators - req. change to read when engine is backing	665-7
			1912	
79955	9/27 10/9	CO NY	Replace stbd propeller,etc.	192-8
			1914	
119023	2-14	NY	Stbd and centre propellers were mfg according to Bu drawing 26-Q-059. D	
138588	11/3	NY R	JOUETT: fwded right and left hand propeller of DRAYTON Nov. 3	254-14
			1915	
167005	9/29	NY R	Reqt auth to dock to replace broken propeller. Y Fwd Dept-- Noted. 10/1	
167184	10/1	NY	Spare starboard propeller surveyed as unfit for use; reqt shipment of a replace.Y S&A report shipment PAULD propeller 10-2 10-4	
167172	9/29 9/29 To S&A--Reqt for shipment.10/2	3rd Div Atl Torp Flo NY	Relative to docking and fitting new blade on propeller: WARRINGTON to relieve on neutrality duty.Y Fwd Dept Via C&R-- 10/2 To NY--Will ship new blade to. 10/2	
167292	10-2	NY	Propellers; reqt PAULIND'S be shipped from Boston.Y	

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N.S.E. Form 134.

DRAYTON: PROPELLERS. 192-14

Number.	Date.	From or To—	Subject.	
168732	10-4	Bost	Stbd propeller ex-PAULDING shipped NY Oct 2.Y	
			1816	
176524	1-18	NY	Spare righthand propellers; surveyed and scrapped; reqt spare be furnished.Y To--Phila reqtd to ship 2 propellers. 2/7 To S&A--Reqt for shipment. 2/7	
186792	5-1	Dept	Report of board of investigation to damage to centre propeller. Y Retd-- Noted. 5/6	
189173	5/24	Phila	Spare propeller; manufacture of; estimate.Y To Phila. authorizes 5-29	
190499	6-7	Dept	Report of board investigation on grounding of; only damage to propeller blades. Y Retd--Noted. 6/15	
206780	11-21	CO	Gives shaft measurements; no realignment necessary at present tl e.Y Fwd Phila--For comment and Rec. 12/1 RB 12-16 Fwd Phila--12/20 RB 1-3 Fwd Dept--1/6RB 1-9 To Phila--Shafts will be realigned when ship next available.1/10	

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[OVER.]

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DRAYTON: PROPELLERS: & SHAFTING:

2

FILE No.		From or To— (Dated)	Subject.	
34482	3/23	Dept	Damage to; ordered to New York for docking; urgent necessary work authorized in advance of estimates.Y (T)to NY. Work auth.adv·est.3/24.	
34610	3/22 3/24	C.O. Dept	Reports touching bottom with centre propeller bending blades while passing near Point Lookout.Y Ret Dept.3/30.	
34628	3/25	To Bath	PAULDING &: spare: reqt quotation.	337--14
35222	3/31	Bath Iron Wks	& PAULDING: quotes price on propellers	337--14
35625	4/7	NY	& PAULDING: spares: propellers removed can be repaired: recommends purchase of 3 additional	337--14
36718	4/21	ToNN	& PAULDING: line shaft bearing: fwds print	337--14
36994	4/22	NY	& PAULDING: submits estimates for mfg of 3 propellers.	337-14
No #	4/25	To S&A	NSA recn.269: Rec rejection of bid of Bath Iron Works: To be mfrd at NY Yd.	
40396	6/1	Bath 785	Measurements; fwds.N.	
41298	6/14	NY	PROPELLERS: blades: reports two on hand for	697
45304	8/1	C.O.	Reports excessive vibration of center propeller; found on examination caused by stick of spruce wood being attached thereto; no damage done blade. Y	

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DRAYTON -- PROPELLERS & SHAFTING

FILE No.		From or To— (Dated)	Subject.
28331	1/3	Ports. 218-8	Port; taken by ship; could not be satisfactorily straighened To N.Y. reqst report on blade 1/9
28782	1/9	C.O.	Reports (stbd) propeller shaft stored at NY Yd To Bath, S&A, NY, Shipmt NY to Bath 1/12.
28847	1/11	NY 384-740-2	Port. can be repaired by burning on pieces; gives estimates To -- appr 1/12.
29914	1/24	Bath 156	Omission of spare propeller shafting; est. dec. cost.
30344	1/27	Bd. on Changes 173	Inc. cost; installation of 2 tachometers on side shafts. N. To Bath apprd 2/1
30350	1/27	Bd. on Changes 317	Inc. cost for 3 Hopkinson Thring torsionmeters. N. To Bath apprd 2/1
30360	1/27	" " " 177	Omission of spare shaft & couplings. Dec. cost. N To Bath apprd 2/1
33657	3/11	Bd. I&S 374	Asks if new propellers are to be of same design as old. N. To -- Same design 3/13.
33655	3/11	Dept	DRAYTON: PAULDING: TERRY: Quotes letter to NY Yd. directinf repairs to, on arrival of vessels, approx. Mch. 12 or 13th. N
33699	3/13	Dept	PAULDING: TERRY: Dept. fwds corres. relative to necessary repairs to propeller blades. N and fwds report of grounding. Ret--noted 3/15

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DRAYTON: PIPING SYSTEMS.

1912

Number.	Date.	From or To—	Subject.	
69424	5-17 5-20	CO NY 384-735-2	Repair copper pipe. Y	
83047	11/30	To NY	Install cut-out valve in steam pipe, to each oil supply and fuel oil service pump.	252-8
			1913	
95648	4/21	CO	Renew steam lines from cut-out valves to oil service pumps placing in Ys in place of Ts.D Fwd NY instructions. 4-24	
			1914	
126181	5/24	CO	Reqsts feed water connection from auxiliary feed pumps to feed water heater	192-8
			1915	
162901	7/27	TRIPPE	Defects in steam piping	448-15
			1916	
176380	1-14	CO	Request authority to disconnect bleeders.YD To-- Au horized. 1/17	
185220	4-Y	CO	Reports crack in main steam Y casting.Y To Phila-- DRAYTON-PAULDING-TRIPPE-Reqt est for replacement of main steam line Y-brnach fittings. 8/15 RB 9/1	
188678	5-18	CO	Removal of bleeder line; result satis; recommend be made permanent.Y To-- Appvs. 5/24	
190563	6-7	CO	Request authority to turn in bleeder pipes removed fromY To Via Phila-- Appvs/ 6/12	

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DRAYTON: PIPING. 192 -- 15

Number.	Date.	From or To—	Subject.	
197226	8/29	Phila	Y casting, main steam line; estimatefor fitting	337-15
			1919	
394576	2/12	Dept	~~Copy of telephone conversation relative~~ to clearing main injection pipe - Y	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
45065	8/1	To C.O.	Changes in oil burning installation; has requested estimates for installation of adjustable air registers. D	
44896	7/29	Bath	& PAULDING: contrs. submit est. inc.cost for fuel oil hand pump, understands not treated as a change.	337--16
45759	8/14	To Dept.	Air registers for oil burning system; rec installation. R.B. 8/16 appd.	496
46840	8/15	C.O.	Oil burning installation; submits recommendations and sketches for fitting with air registers; air cones fitted as neat the top of burner as shown on Bureaus print would burn out cones. D Fwd NY. Reqst proposed method be considered when repairs are made to 8th Torp.Div.ships. 8/23. RB 9-5 1912 1913	
98476	5/29	Phila.	Oil burners; request shipping instructions. D To NY & S&A. Request shipment to NY and install when ship is available. 6/2.	
109151	10/29	C.O.	Reqt Bu. type fuel oil burners.	192--8

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DRAYTON 192--16

Number.	Date.	From or To—	Subject.	
111734	12/1	C.O.	Install independent suction from each oil bunker.	192--8
112358	12-6	NY 384-960-7	Install oil burners, Bu type. Additional estimate. Y Fwd Dept.rec,appr.12/12. RB 12 15 To---appd.12/15.	
Sur 12/30/14	2-24	To CO.	Flange for fuel oil hose; under C&R. Y	

NB—0120

[OVER.]

192--16

DRAYTON FUEL OIL SYSTEM:

FILE No.		From or To— (Dated)	Subject.	
29938	1/21	C.O.	Fwds data sheets for 10 six hour test runs; a and gives deductions: states boilers cannot be operated with all burners, without danger to brick work	192--2
30334	1/27	Bd. on Changes 2077	Inc. cost for fitting 4" deck suction connection to after fuel tank supply pump. N. To Bath apprd 2/1	
30325	1/27	Bd. On Changes 1934	Inc. cost for hose connection on tank supply pump discharge manifold in after fireroom. N. To Bath apprd 2/1	
31381	2/8	Bath 244	Reqt. reconsideration of change in cost for fitting deck suction connection to after fuel oil tank. N. To -- Requirements 2/16.	
35353	4/4	TO Washn	& STERETT: Fuel oil; reqt. analysis of samples. S Fwds analysis. 4/10. Fwd S&A 4/11. R.B. 4/14	
36342	4/14	Bath 568	Reqt. shipping directions for burners and tuyres which they desire to install before f nal acceptance trial. N To -- & Norf. Shipment to be made to Norf. 4/17.	
37185	4/24	Bath 607	Fwds tracing of tuyere for oil burner and oil burner Normand system. N.	
37430	4/23 4/28	C.O. At. Torp. Flt	Recommends against changing location of oil pressure pump. D Fwd NY Change will not be made during present visit to yard. 5/2. RB 5-24 To NY--Ask if change in position of fuel oil pumps has been made. 4/13/17 NY No record of change. 4/15	

NB—0120

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DRAYTON: WORKSHOP & TOOLS:

FILE No.	From or To— (Dated)	Subject.	
30353 1/27	Bd. on Changes 1946	Omission of mandrels for white metal linings; dec. cost.N To Bath apprd 2/1	
		1912	
		1913	
No # 5/9	To NY	Survey 6; Repairs to Fay and Scott lathe appd.Y	
		1914	
137483 10-17	CO	Reqt permission to turn in oil burning forge recently supplied; unsuitable ; no hand pump.Y To Via NY and Tor Flo--Submit reqn for. 10/24 At Torp Flt coal burning forges; are more efficient than oil; should be installed on all TBDS 11-17	

NB—0120

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DRAYTON: pumps, etc

1912

Number.	Date.	From or To—	Subject.	
67228	4/8	C.O.	Rebore cylinders of feed & fuel oil pumps.	192--8
74446	7/23	CO	Circulating engine frame cracked; fwds sketch showing temporary repairs.Y To-C.O.via Flotilla,has directed mfr at NY. 7/30 To-NY. directs mfr 7/30 To-S&A shipment 7/30 B 8-17 Ref-S&A.noted 8/17	
			1913	
95921	3/21	R.O.	Repairs to circulating pump, etc	192--8
103668	8/7	Bost	Circulating pumps, on TBDS of PAULDING CLASS, C&R will authorize incidental work, reqt names of vessels on which installation is to be made.	698--2
109151	10/29	C.O	Reqt turbine circulating pumps,	192--8
			1914	
139186	11-4 11-5	CO At Torp Flt	Reports main circulating pump engines unreliable; affects efficiency of ship.Y Fwd Dept-- Rec be ordered to NY for repairs. 11/11 RB 11-14 appd To Via Atl Torp Flo-- Will be ordered NY for repairs. 11/14	

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DRAYTON: PUMPS. 192 -- 19

1915

Number.	Date.	From or To—	Subject.	
20085	6/22	NY	DRAYTON; estimate for lagging	629
164133	8/21	CO	Turbine driven circulating pumps supplied by DeLaval Co; reports on operation of with particular reference to oil grooves	698-2
			1917	
215626	1-29	CO	Change location fuel oil pump.Y To Bost authorized 2/24	
220420	3-29	Bost	Relocation of fuel oil service pump; request drawing showing similar work done on PAULDING. D To--Fwds Vandyke print.4/21	

NB—0120

[OVER.]

DRAYTON: VALVES: GENERAL.

1912

Number.	Date.	From or To—	Subject.	
70011	11/9	To CO	4" Triplex boiler safety valves being replaced by Ashton Valve Co.:request present status. After being fitted and tested, request report.	496
84287	12/4	Bath	& PAULDING: reqt to be advised when matter of spare springs has been adjusted.	337--20
			1913	
88349	1/22	To CO	New safety valves, furnished by Ashton Co. Request status of.N CO not yet received. 2-1 TO CO reqt. further report. 4-24 To---request further report.6/25. CO are now satis.N 6-26	
		1914		
95995	4-28	CO	Status of safety valves. N	
		1914		
126180	5/24	CO	Install cut-out valve in auxiliary steam line between firerooms 1 and 2.Y Fwd NY.appd.6/4.rb 616	
			1916	
183493	3-15	CO	Reqt valve in discharge piping from auxiliary condenser to hot well.Y To--Authorized. 4/13	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

FILE No.		From or To— (Dated)	Subject.	
30340	1/27	Bd. on Changes 1955	Inc. cost installation of 1" szfety valve on feed water heater. N. To Bath apprd 2/1	
39421	5/23	TO Bath	Directs matter of replacing safety valves be taken up with contractors; prefer type similar to that now installed on ROE & TERRY: N	
40552	6/5	Bath 801	Status of Ashton safety valves; asks that in view of fact of Bureau's decision, reservation covering be released: for PAULDING, also: N To -- Reservation necessary. 6/7	
40647	6/6	Bath 805	Submits estimates covering replacing boiler safety valves. N	
55048	12/1	Bath	Final settlement, re status of defective safety valves in connection therewith	192--2
			1912	
63060	3/6	Bath	& PAULING: valves, reqt print	337--20
69420	5-17 5-21	CO NY 384-830-1	Manufacture 4" valve discs. Y	
81146	10/25	Bath	& PAULDING, reqt if replaced valves (safety-ASHTON) are satisfactory	337--20

DRAYTON: ALLOWANCES:

1917

Number.	Date.	From or To—	Subject.	
261711	11-20	To CO	S.E.Allowance list. Informs that have sent blanks on 9/15. R To- When may expect reply to above. 3-23 CO - request elec allowance requested 5/17/17 be fwd - 3/18 - RA 1918 To — Informs that blank S.E.elec book ford to replace one destroyed 4-20 To C O, rqst inform re Elec Allow 6-26 To CO, Rqst reply to reference 8-19 R B 10/14 To Boston, Fwds elec allow books, 10-28 To CO, Fwds allow books, 10-28	
377883	11;19	CO	Fwds allowance list RA To CO-advises holding up reqst for two Edison batteries pending further info on necess of addtl al lowance- 1-13	
418274	5-15	To CO	Fwds revised allow book. Ya	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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192-21

DRAYTON: ALLOWANCES.

FILE No.		From or To— (Dated)	Subject.
31244	2/24	To S&A,N.Y.,C.O.	Change: Omit spare parts for gasoline engine for motor dory.
			1912
84833	12/13	To NY	Directs add wood mallet.R RB 12-28
			1913
			1915
163261	8-5	S&A	Over-expenditure of money allotment.R Ref. S&A 8-14 RB 10/1 Fwd S&A-- Noted. 10/2
203294	10/25	To CO	Gives changes to be made in SE Elec allow list. LR
			1917
215558	2-14	CO	Request authority to turn in misc stores. R To via Phil. Gives auth. R 2/23
229591	5/17	CO	Lists spare parts under SE board D
233740	6/16	To CO	Fwds elec allow. RL

NB—0120

192--24

DRAYTON GAUGES, GENERAL

1

FILE No.	From or To— (Dated)	Subject.	
30870 2/2	C.O.	reports Klinger glasses on water gages defectibe	658--4
		1912	
		1913	
		1919	
421488 5/26	Norf	Rqst vandykes showing air pressure gauge for PAULDING, DRAYTON and PREBLE +	337-24

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DRAYTON: RECORD OF WORK

1913

Number.	Date.	From or To—	Subject.
104328	8-18	NY	Jan 5- July 2. Y
117791	2-14	NY	July 2 to Jan 18
133443	9/1	NY	June 10th to Aug. 1st.Y
133548	9-1	NY	Jan 10 to Aug 1.Y
152520	4-15	NY	Aug 8 to Jan 14
			1915
157618	6-11	NY	Jan 14 to May 12
170606	11/6	NY	May 12 toJune 29
183412	3-31	NY	June 29, 15 to Nov 2, 19 15
185397	4-19	NY	Nov 9, 15 to Feb 3, 16
			1917
230495	5/25	Phila	Oct 31/16 to Jan 8/17 Y
230646	5/28	Bost	5/4/17 to 5/21/17 Y

1914

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DRAYTON: RECORD OF WORK. 192 - 25

Number.	Date.	From or To—	Subject.	
272668	1/5	Bost	May 4th to May 21st - Y	
319069	6-20	Boston	May 21st to June 7th. Y	
332321	7/1	USS PROMETHUS	Month of June - Y	
			1919	
391148	1/1	CO BRIDGEPORT	Quarter ending 12/31/18 - Y	
453761	10-23	Boston	1/2 to 2/27. Y	

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[OVER.]

FREDERICK TRIALS, MOVEMENTS ETC. 1922

Number.	Date.	From or To—	Subject.	
650289	6/28	C&R	Effective h/p curves D	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

MARYLAND: FREDERICK TRIALS: MOVEMENTS: ETC.

Number.	Date.	From or To—	Subject.	
44731	7/26	Dept 28004-1-76	Report B. engrg. trials. F&Y To M.Is. Quotes extracts regarding difficulty experienced with White Metal. 8/8. Ret---8/8.	
			1912	
68273	5/8	Dept	To be completed June 1st in order to begin Coal tests June 3d.	364--8
69317	5-9	CO	Report on fuel, water, oil, consumption, and steam cutter competition. F-O	
			1913	
86385	11/19	Maryland	Fwds report on reconnaissance cruise in Alaskan waters particularly in regard to River outlets to coal fields.	623--15
92516	3/12	Gen.Board	COAL Expedition, submits itinerary for investigating harbors, etc	623--15
92656	2/26	C.O.	Survey of Alaskan Waters, general recom. reqt 50' picket launch	623--15
92852	3/19	To NN	Fwds statement of monthly percentages of completion of machinery; requests certify as to correctness. N 1901 to 1905. NN fwds 3-21	

N.S.E. Form 134.

MARYLAND: TRIALS: 280-2

Number.	Date.	From or To—	Subject.	
100841	7-3	Dept	Eng.Comp. report/ f. Ret---7/24.	
102294	7/25	Dept.	Eng.Report B.	766
110469	10/30	Capt.Ellicott	Makes recommndations for ALASKAN RECONNAISance.	623--15
		1914		
129116	7-5	Dept	Eng Comp Report. Fwds. F Ret---7/13.	
		1915		
148000	2-20	Pac Fleet T	Completed endurance run; no casualties.F	
149602	3-13	Dept	Full power ane end run.F Retd-- Noted. 3/15	
149825	3-15	Dept	Full power and End run. F Retd-- Noted 3/17	
150084	3-18	Dept	Report A Retd--Comments on 3/24	
		1918		
311906	5-20	CO	Blue print copies of standardization curve of 1912. M To C O, referring to rqst no standardization curve os among files, 6-11	

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FREDERICK: ELEC PLANT.

1917

Number.	Date.	From or To—	Subject.
214590	2-16	CO	Reports changes required to meet turrets Boards report.L
		1918	
281390	2-13	Ports R	Request 18" cable. L
337698	7/30 8/13	CO Atl Cruiser	~~Submits data on circuit breakers. L~~ To C&R, Fwds inform re circuit breakers, 8-17
378067	11:21 11:29 12:16	At Fleet Ord C&R	Turret fwds report of 1916 recommendation relative to carry ng out L Fwd. NavOper. 12-30
438838	8:2 8:6	CO Atl Btlship Squad	Request rewire gun deck lighting circuit Instal battery charging panel etc.L To CO- Gives detail action. copy to I.M. Ports and Comdt Phila. 8-13

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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FREDERICK
MARYLAND: ELECTRIC PLANT.

1912

V2

Number.	Date.	From or To—		Subject.
76672	7/14 8/23	CO Dept.		Quarterly report on readiness for battle. Lighting on berth decks and ammunition passages not sufficient. Vice tubes from fore top to 8-in.substation inefficient.L Ref. Dept. 8/27
82172	10-30	M.Is	10059	Estim te for repairing damage wire and conduit damaged during repairs to plating. Y. TO -- qppvd.11-11
82354	10/29 11/11	M.Is. C&R	10032 19336-E.550	Recommends all conduit and double bottoms be repaired, and that it be made water-tight.L To M.Is.Work authorized.11/13. Ret C&R.11/13.
83827	9-13 11-14 11-26	CO M.Is Dept	10598	Estimate for elec. work in connection with Ordnance repairs.L Ret Dept.12/3. RB 12-12 Fwd Ord via C&R. 12/13.
				1913
89188	12-10 1-25	CO M.Is	1085	Renew circuits for w.t. doors and fire room lighting.L
89457	9-30 1-29	CO M.Is	1216	Estimate for misc. repairs and alterations; Yard disapproves part of items due shortage funds.L
91683	1-3 2-26	CO M.Is	VOID	Overhaullagging ~~and~~ on insulating cold stonage compartments.L

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N.S.E. Form 134.

MARYLAND: ELEC.PLANT. 280-3

Number.	Date.	From or To—		Subject.	
92269	2-6 3-4	CO M.Is	2746	Reqt. repairs to conduit and removal of grounds in leads.L Fwd C&R.Re test of water-tight compartments for water-tightness.3/17. RB 3-27 To C&R.Bu not advised that there is any existing report.3/22. Fwd Cramps.Asks what test is conducted to to insure compartment is water-tight after conduit has been run.3/29. RB 4-3 Fwd C&R.4/4. RB 4-10	
102036	7/22	To CO		Data on Gen.Plant and Elec.Aux. Form N.Bo. 115 superseded by N.S.E.31.L	
			1914		
119628 VOID	3-10	C&R	28360)E.8	Voice tube; system; plansL	
119618	10-18 3-4	CO M.Is		Repairs to fire alarm system and deck wiring for switches and receptacles.L (T)to M.Is.appd.3/11.	
124162	4-24 5-5	M.Is C&R	4393 27896-E.41	Estimate for removal of ammunition hoists.L Fwd Dept.5/6. rb 6 9 Ret C&R via Ord.5/9 rb 3 13 Ret C&R 5/13	
133579	8-21	CO		Removal of power leads from wing bottoms	280-8
			1915		
165655	9-4	CO		Install blinker night signal set, new type genl alarm gongs, change location of receptacle box on Adm. skylight.L To Via M.Is--Take up with Sub-Board 9/18 RB 11/9	
166122	9-3	CO		Reports examination turret leads.L	

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FREDERICK

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MARYLAND: ELECTRIC PLANT:

FILE No.	From or To— (Dated)	Subject.	
29358 1/18	TO C&R	Fwds quarterly report on elec. plant R.B.1/25	
43827 7/10	C.O.	Reqt. repairs to conduit & wiring, searchlights, int. com. system, install return call bell system from look-out to fwd bridge, also repairs to lamps, etc. L	
44033 7/12	C.O.	Reqt. alterations, elec. Conduit from searchlight to switchboard, call bell system, covers for visual boxe, conduit for int. com. fire conrol cables on main deck.L.	
44037 7/12	C.O.	Reqt. repairs to call bell system, conduit for thermostat, renew voice tube call system.L	
45554 7/12 7/29	C.O. M.Is 7242	Reqt. repairs to wiring, covering for visual box, range and defelction, install return call bell system from look-out to bridge. L Fwd Dept.Rec appr except item 3.8/8. RB 8-10 a'ppd To M.Is.Appd.8/11.	
45965 7/24 8/10	M.Is C&R 19336-E.50	Elec. wiring work in connection with C&R work onturrets. L Fwd C&R. Noted.8/11.	
70706 4-3 5-24	CO M.Is 5140	1912 Repairs to int.com.circuits, Ardois signal set, elec. whistle, wireless, time firing device,etc.L To M.Is. appd.6/10.	
70762 5-18 5-25	CO M.Is 4981	Repack all bkhd stuffing boxes.L	

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FREDERICK: INT COM SYS:

Number.	Date.	From or To—	Subject.	
564522	4:11 5;17	Pug Sd Ord	Submits estimates covering connecting Ford range converter to director firing system. Quotes from Ordn 1 End 5/17 cc CO To Pug Snd 's SEATTLE HURON- CO- Ordn Y 5/24	

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Number.	Date.	From or To—	Subject.	

FREDERICK: INT COM SYST

Number.	Date.	From or To—	Subject.	
340554	8-5 8-22	CO Ordinance	Request visuals - L Fwd Ord, 8-28 To CO, Rqst copy of letter of the 5th, 9-7 To CO, 9-7 RB 25	
341089	8/16 8/19 8/24	CO Atl Cruiser C&R	4 inch voice tubes from conning tower to range finder and to fire control - request installation of - L Fwd C&R 8-27 C&R - gives action - 8/31 - L	
340708	8-28	Fwd C&R	re removal of voice tubing L CO 8-7 C&R 8-23 voice tubes to former gun stations C&R - Instrns to Ports & NY - 9/4 - L	
342999	8/28	Ports	Drawings and contact makers for - repairs will be reqd not later than Sept 15th. To Ports, re del to mfgrs of gongs andcontact makers for repairs, 9-14 Phone NY, Lists gongs and contact makers for repair for, 9-20 Phone CO, re same information, 9-20 Phone Boston, re material in stock, 9-23 Phone Inspr FR, Comments on time controlled contact maker, 9-23 Phone NY, gongs and contact makers for repair 9-23 Phone Norf, re time controlled contact maker 9-24 Phone Ports, re contact makers for repair, 9-24 Phone Ports, re contact makers for repair 9-25 To Inspr FR, Does not deem it advisable to borrow contact maker for shipmt 10-2	
351858	9-25-18	To S&A	Reqt shipt one single stroke gong from Boston to CO. L	

N.S.E. Form 134.

FREDERICK: INT COM SYS. 280 - 4

Number.	Date.	From or To—	Subject.	
358143	10/11 10;30	Ports Ports	I C elec work incidental to chart and pilot house alterations - L To Ports, approves above work 10-16	
359359	9-28 10;14	CO At. Cr	Req. rewind 28 warning whistles solenoids L	
365456	10-20	Portsmouth	Ship service telephone system for remodelling L To— appoves service telephone, 11-8	
537427	9;16 12;20	Norf CO	Returns expenditure voucher material shipped to HC Co and was not received for stock.L Fwd S&A 1/5/21	
550470	3;1	Pug Sd	Copy of letter to C&R asking if shall reinstal 6 inch battery.L	
550981	3;11	C&R	Copy of letter to Pug Sd stating replacement of 6 inch battery will not be made at this time.L	

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[OVER.]

FREDERICK: INT COM SYS.

Number.	Date.	From or To—	Subject.	
273566		CARD 5	Navigation - Requests instructions relative to schedules be supplied. L To Navgn- Not necessary to supply any form of transmitter or control panel. L-2	
293628	3-28	Ports	Fire control work - status of - reports on. L	
292706	3-28	To S&A	Reqts shipt of Utah fire control telephone from NY to L	647-10
296500	4/5	Ports	Broad side follow the pointer system - fwds plans - L	
302353	5-2	to Ports- Ship's service phone system- Desires investigate condition of wiring and install separate calbes. etc. YL Portsmouth Nov. 5 - Fwds plan of new wiring of ships telephone system L		
310511	5-29	To N N	Re changes due to regrouping of torpedo defense guns on MARYLAND & WEST VIRGINIA L	
310515	5-31	To N N	Authorizing installation of fire control telephone system, L-N	

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FREDERICK: INT COM SYS. 280 - 4

Number.	Date.	From or To—	Subject.
313790	5/31 6/5	CO Atl Cruiser	Request rewire with leaded and armrred cable and install new equipment on call circuit from conning tower to flying bridge -L
318885	6-14 6-18	CO Atl Cruiser	Request present clock work, general alarm gongs be removed. L To Ports. authorizing replacement of general alarm gongs installed, 6-28 CO 7-18 To CO, approving gen'l alarm system 7-30 Portsmouth -7-30 request Van Dykes listed - L
Ports: 8-7 To Ports, Fwds vandykes re above, 8-15 Ports - submits estimate - 9/10 To Ports, approves estimate 10-8 Ports. 11-5 Fwds prints-			
330044	7/18 7/24	CO Atl Cruiser	Request repairs to thermo elec pyrometer - L To Ports, repairs approved, 7-29 Portsmouth Oct. 26
337709	8/7 8/13	CO Atl Cruiser	Request removal of telephone leads to former gun stations - L To CO's, Comdrs, Removal of telephone leads to former gun stations authorized for all armoured cruisers, 8-22
337695	8/6 8/14	CO Atl Cruiser	Request install fire control telephone leads and jack box to new fire control platform - L To CO, Alterations approved; 8-17

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[OVER.]

FREDERICK; INT COM SYS.

Number.	Date.	From or To—	Subject.
224452	4-23	C&R	Fire control; Salvo System. fwds plans.L
259731	12-29	To CO	Fire Control Installations. Reqts information regards same. L Fire Control changes completed in April. L 2-3 Fwd C&R 3-8
271327	1-4	To S&A	Reqt shipt 25 type CN telephones from Phila to NY L To NY Rqst if above mat'l recd 11-1
271325	1-4	To CO (T)	Supply Officer Phila reqted to ship you 25 type CN fire control telephones. L
271516	1-4	Phone NY	Fire Control Telephones.CO stated was short and reqted to draw from UTAH type instead of from NEW HAMPSHIRE.Bu would see what could be done.
273566	11/27	CO To Navgn- Lists vessels reqts ship supply ship's bearing indicator. 2-16 Navgn - gives list of ships to be supplied with gyro compass ships bearing indicator - 3/6 L	Request additional gyro compass repeater-L To Navgn- Lists requirements stated by Ordnance/1-25 Navgn. 2-16. To Navgn- Inform if will furnish ship's bearing indicator for installation in conning towers of armored cruisers. 3-6
281012	2-14	To C&R To-	Vice tubes - Recommends work be authorized. L To Ports- Reqts make every effort to install wiring. 2-14 To- GE- 2-14

CARD 6

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FREDERICK: INT COM SYS

Number.	Date.	From or To—	Subject.	
284124	2-23	Ports	Jyro compass overhauling. L To- Referrd to Navgn. 3-1 Fwd Navgn- 3-2 R B 3/9	
284395	2/25	Ports R	Location has been selected for turret training transmitter - L Fwd Ordnance. 2-26	
280437	2-25	Portsmouth.	Ports. R. Will letter apply also to FREDERICK.& NORTH CAROLINA.	320-4.
286431	3-4	Ordnance	Copy of instructions to Ports relative to installation of follow the pointer system. L	
286664	2/22	CO	Battery and range finders - reports on unsatisfactory location of - L Fwd Ordnance. 3-14 R B 4/18 - L C&R - copy of action taken - 3/23 - L Fwd Dept via Ordance. 4-19	
289868	3-18	To Ports	Status of fire control work. Reqts furnish itemized statement. L	
257103	3-20	Ports.	reports action on the FREDERICK	647-1.

NP—9120

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FREDERICK
MARYLAND: INT COM SYS.

1916

Number.	Date.	From or To—	Subject.
188768	5-29	CO	Inatall Cory type genl alarm gongs, new I-C switchboard, motor generator and storage battery for I-C system.L To--Comments on. 5/26
189304	5-27	CO	Location of mechanical telegraphs.L Fwd Pug Sd 6-1 RB 6/28 To Pug Sd--Appvs estimate. 6/29
190255	6-8	To Pug Sd.	& SOUTH DAKOTA: director firing system; appvs plans of with modi. L Pug Sd copy copy of letter 6-17
190447	6-2 6-9	CO C&R	Location of mechanical telegraphs.L
191133	6/9	M Is	Location of torpedo defence station; fwds print and sheets of voice tube data.L
192407	6-27	Pug Sd	Director firing system; plans and estimate.L Fwd Ord via C&R-- For comment. 7/6 To--Appvs est and plan as modified. 7/6 To Cory & Son--Reqt estimates for certain items. 7/7 Cory & Sons quotes prices 7-8 Pug Sd & SOUTH DAKOTA; submits estimates 8/4 To Pug Sd--Discrepany in estimates. 8/15 Pug S d director diring system; approval did not cover cost instruments 9-8 To Pug Sd-- Appvs estimate. 9/21

N.S.E. Form 134.

MARYLAND: INT COM SYS. 280-4

Number.	Date.	From or To—	Subject.	
205303	11-4	CO	Renew certain I-C cable.L	
205981	11-15	Pug Sd	Fire control; regrouping of salvo and fire control telephones by calibers:Est.L To--Appvs est. 11/28 Fwd C&R--Have appvd est. 11/28 RB 12-6	
213551	2/5	Dept	19174 & SOUTH DAKOTA; have instructed Pug Sd not to work onfire control alterations.L	
213525	2/6	To Pug Sd	Survey 6-17 of Jan 6th. Item 16 surveying 10 type CS fire control telephones disappvd. Ask if repairs can be made at Pug Sd. LY Pug Sd submits estimate for repairs 3/30	
213790	2-7	Dept	Reports on fire control material.	280-6
219443	3-13 3-23	Pug Sd C&R	Fire control voice tubes; plan. L Fwd C&R--Noted. 4/2	
222270	4-7	Pug Sd	Fire control plans; fwds.L	
223892	4/21	To M.Is	Int Com Dynamotor is capable of only producing maximum of 14 volts. Is of obsolete type. Directs examine and submit report. L RB 5-28 To S&A--Reqt shipt of generator from NY to Pug Sd. 6/1 To CO--Instrns re install.6/2	

P Snd - (R) States motor generator recd by express - asks if return shipment desired by express 6/23 L
To S&A--Reqt shipt of motor generator from Pug Sd to Norf for.6/25

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FREDERICK
MARYLAND: INT.COM.SYS.

1913

3

Number.	Date.	From or To—	Subject.
88360	1-7 1-11	CO M.Is	Reqt. new telephone outfit; work held up due to shortage funds; submits new estimate.L To M.Is.Comdt authorized to install, if can be done without inc in allotm ents.1/24.
89028	12/27 1/14	CO M.Is.	Alterations: engine room telegraphs, central station telegraphs; disapproved by Comdt.L Fwd Dept via C&R.Rec disappr items 1 and 2. 2/4. RB 2-10 To M.Is.disappd.2/12.
96357	5/2	Ord. 26228-41	Range and deflection indicators and transmitters; fwds prints.L Fwd Dept via C&R.rec appr.5/6. RB 5-12 To M.Is.appd.5/13. Fwd Ord.5/13.
96393	4/25	M.Is. 3938-13	Estimate for covering installation of 67 new telephones.L
103995	8-9 8-14	CO M.Is	Reqt. elec. telegraph between engine room and b bridges,pilot house, and conning tower,etc.L Fwd Dept. is recom 9/26 RB 9 30 To - disapproved 10-1
120617	3-12 3-16	CO M.Is 2749	Install elevating indicators on 3" gun mounts.L Fwd Ord.3/24.
121735	4-6	C&R	Fwds print showing alterations to voice tubes.L Ret---rec items 1 and 2 be disappr.4/10 RB 4 15 Fwd C&R.4/15.

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MARYLAND: INT.COM.SYS. 280-4

Number.	Date.	From or To—		Subject.	
129736	7-2	M.Is	5955	Gyro compass; fwds print and estimate. L Fwd Nav via C&R.for comment.7/14 Fwd C&R.7/21. To---appd.8/12.	
134219	9-9	CO		Reqt latest type fire control telephones.L To-- None at present. 9/21	
138382	10-23	M.Is		Alterations to Gyro compass installation.L Fwd Nav-- Noted. 11/2	
140018	11/11	CO		Renew wiring all I-C circuits from central station aft	280-8
			1915		
				145217 1-5	
145217	1-5	M.Is	90	Gyro compass outfit; estimate for installing.L	
148813	2-9	CO		Reports receipt of 10 type CN fire control telephones; allowance list calls for none; reqt balance be expedited before target practice. L To--Comments on. 3/8 To M.Is--Additions to allowance. 3/8	
159809	6-25 7-7	CO C&R		Reqt voice tube from bridge and scentral station and stbd eng room.L Fwd C&R-- Rec appvl item 1. 7/13	
187226	5-2	M.Is		SOUTH DAKOTA; work in connection with director firing system; submits; transferred to Pug SdL To--Fwds plan to Pug Sd. 5/11	

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FREDERICK
MARYLAND: INT. COM. SYSTEM.

2

Number.	Date.	From or To—	Subject.	
46154	7/31	C.O.	Ships telephone system; present installation old American Bell unsatisfactory; wiring in good shape; reqt. new telephones and submits location, etc.L	
47164	8/10	M.Is.	& CALIFORNIA: has ordered mfg of mechanical dials for sub-central & sub-stations	147--4
48537	9/5	M.Is	& CALIFORNIA: reports number, tyep & location oftelephones	147--4
47188	9/26	TO Pug.Sd	Quotes Dept. endorsement approv. instal. 67 new tlephones.9/25	477-4
55844	11/14 12/7	C.O. Dept.	Behavior of fire control, etc., during battle practice.L Ret Dept via C&R-12/12.	
			1912	
59913	1/23	M.Is.	& CALIFORNIA: submits estimate for installing new ships service telephone system	147--4
60357	1/26	M.Is.	GENERATORS: rel instructions re securing panel for those converted	661--2
62079	2-21	Holtzer Cabot Co	& WEST VIRGINIA: telephone sys; spare part list. L	

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N.S.E. Form 134.

Maryland 280--4

Number.	Date.	From or To—		Subject.	
67476	3/27	C.O.		Reqt alterations relief valves main feed pump, install 4" voice tube from engine room to bridge.etc	280--8
69638	5/17	M.Is.		& CALIFORNIA, re-arrangment sub-central and substations, re mfr of dials.	147--4
70706	5/24	M.Is.		Repairs to int. com. circuits, elec. whistle, time firing device, etc.	280--3
71230	4-13 6-4 6-14	CO M.Is C&R	 5369 27896-E.6	Reqt. 4" tube from engine room to bridge; suggests trial of nose-mouth piece before change. L Ret C&R. Rec experimenting with, before making alterations.6/15.	C&R
74535	7/14 7/20 8/24	CO M.Is. Pug.Sd.	 7051	Renew electric cable for helm angle indicators,etc.L To-Pug.Sd reqt sample of cable. 7/31 To Pug.Sd.reqst reply.8/20. Reports sending letter to M.Is.,that being home yard.L Will forward sample of wire on arrival of vessel at Yard. 8-30	
78717	9-24	TO Dept		Omit telephones due to condition of appro.	504
				1913	
87678	11-28 12-31	CO M.Is	 12100	Change location of range and deflection transmitters in after turret.L To M.Is.Disappd.1/18.	

NB—0120

[OVER.]

280--4 FREDERICK

MARYLAND: INTERIOR COMMUNICATION SYSTEM

1

FILE No.		From or To— (Dated)	Subject.	
36883	4/22	Dept	& CALIFORNIA: battle practice: reports on operation of fire control apparatus	147--4
39896	5/17	M.Is.	FIRE CONTROL: fwds prints, and states changes necessary to comply with latest systems.	647
44266	7/22	M.Is	Reqt. telegraphic authority to alter visuals for fire control.L (T) to M.Is. Authorized. 7/24. Fwd Ord.7/24.	
44341	7/17	M.Is.	Fire Control: change in fire control system: impossible to complete unless central stations is completed on all three vessels in 30 das. To---Auth.granted to defer work.8/3.	
44763	7/28	M.Is	Reqt. authority to proceed with repairs to voice tube call system, fire and enginerooms.L (T)to M.Is.Authorized.7/29.	
44956	7/22	C.O.	Repairs to sight gear in turrets. L Fwd Ord.8/1,	
45036	7/17 7/25	C.O. M.Is. 6937	Work on visiual fire control. L	
44995	7/30	C.O.	Reqt. steering engine telegraph, etc. L	
45870	7/12 8/1	C.O. M.Is 7327	Repairs to system.D.	

NB—0120

FREDERICK RADIO 1922

Number.	Date.	From or To—	Subject.	
628170	7/19	Norfolk	Illuminating set turned in by FREDERICK cannot be located .	166- 5

4—3381

Number.	Date.	From or To—	Subject.	

FREDERICK: RADIO

Number.	Date.	From or To—	Subject.	
359357	9-28 10;14	CO At Cruiser	Req. resilver 36" searchlight mirror L	
360828	10-23	To CO	Authorizes arc signalling searchlights L	
365455	10-9	CO	Install fighting lights L To Portsmouth, comments on re above, 11-16 Ports. Dec. 7 - Fwds plan Ports. Dec. 7 - Copy of letter to CO	 L L
374117	11-27 12-2	CO Atl. Cruiser	Request install 24 additional standing lights on top deck, main deck and gun deck L To Norf, authorized to perform work on, 12-4	
399020 To CO- Satis to turn into store excess incandescant searchlights. 4-15	2;10 3-28	CO CO	Asks how many signalling searchlights are to be installed To- Reqts to turn in searchlihgt in excess of allowance and also give report on efficiency of the 12" incandescant searchlight. 3-7 copy to CR & TR Force.	

4—3381

N.S.E. Form 134.

280-5:FREDERICK: RADIO:

Number.	Date.	From or To—	Subject.	
509221	7;29	CO copy	Request spare armature for generator be furnished.L To Gen Elec Co (T) Urgently rq spare armature Adv earliest del and price by tel 8-4 cross to 280-6 Ins gr GE-submits quotation-8;10-W To FREDERICK(T) 8-13	
550557	2;22	CO	Request ~~as~~ instal signal shutter on 30 inch searchlight.L To CO Instln appvd cc C-I-C Pac Fleet 3/15	
552556	3;7	CO	Request instal battery charging panel.L&W To CO Disappvd cc C-I-C Pac Fleet-Pug Snd 3/26	
553615	3;12 3;25	Dept Ord	6 inch batteries of vessels of armoured cruiser class will be reinstalled in accordance with recommendation of Gen Bd.L Fwd C&R 3/31	
553985	3;7	CO	Request ~~sent~~ sound proof booth be installed in radio room.W	
NSA 335	5-11	To Puget Sd	Cable- asks status R copy CO	
569766	6/16	To S&A	Reqst shipmt of battery from Phila to SO 7847 L	
628170	7/19	Norf.	Illumination set turned in by FREDERICK cannot be located. L	166-5

4—3381

[OVER.]

FREDERICK: LIGHT & POWER. 1917

Number.	Date.	From or To—	Subject.	
217801	3-1 3-7	CO Pug Sd	Estimate for installing man overboard lights.L To Pug Sd--Appvs est. 3/21	
228062	5/8	Pug Snd	Estimate for installing blinker signals L	
229371	5/8	CO	Request signalling search light L	
233000	6-9	S&A	Bulbs for 12 1/2" searchlights; fwds copy of telegram from M Is. requesting disposition	675
233000	6-9	S&A	Bulbs for 12-1/2" searchlights; fwds copy of telegram from M Is requesting disposition.	675
269619	12/1	CO	Request authority to turn in illuminating set L To- Auth granted to turn into store portable part of illuminating outfit for duration of war.1-4	
285997	2-22 3-1	CO Ports	Convert 2 Negus logs to electric. L To- Reqt disappvd. 3-15 & Ports.	

N.S.E. Form 134.

MARYLAND: LIGHT & POWER SYSTEMS. 280-5

Number.	Date.	From or To—		Subject.
49908	10/2	GE		& WEST VIRGINIA; searchlight ready for shipment to-night; arrive by freight Oct.23; By express will cost $600. more; reqt. instructions.L. Ref. S&A ship all but cables by freight 10/2
50976	10/12	GE	55-12	& WEST VIRGINIA: Quotes price on 4, 32" elec. control projectors delivered; lamps already shipped being diverted from ARKANSAS.L
50975	10/12	GE	55-11	& WEST VIRGINIA; Armoured cables and couplings; will besent by express 12th inst; searchlight shipped fast fregith on 2nd. L
52087	10/27	GE	55-13	& WEST VIRGINIA; order covering searchlights diverted from ARKANSAS not yet received.L.
52966	10/26 11/1	C.O. M.Is	10785	Repairs to portable blowers.D
53151	10/3	M.Is.		CALIFORNIA: SOUTH DAKOTA: re shifting location of ventilating blowers from vicinity of battle compass; necessary wiring changes. 147--5
				1912
61933	2-13 2-23	M.Is C&R	810 19336-E.545	Estimate for power wiring,etc. for deck winches. L Ret C&R.2/27.

NB—0120

[OVER.]

280 -- 5
FREDERICK
MARYLAND: LIGHT & POWER.

1913

4

Number.	Date.	From or To—		Subject.	
90740	1-29 2-13	CO M.Is	1451	Searchlight motor rheostats and rewind armatures. L	
91594	2/10	C.O.		Repair gage on gen. sets, etc	280--8
91782	2-8 2-27	CO M.Is	1945	Rewire magazine light.L.	
92104	3-8	Ord	26322	Storage battery charging panel; fwds Ord. reqn. for.L. To CO. Asks as to necessity for material.3/12 CO gives detail. 3-22 To CO.Reon.11 disappd.4/15. Fwd S&A- disappd 4/16	
92245	3-11	Ord	26332-10	Battery charging panel; fwds telegraphic reqt.for.L	
92378	3-5	M.Is	2751	Test ammeters.L. To---appd.3/14.	
93710	3-15 3-19	CO M.Is	3281	Repair armature gen set.L.	
96362	4/18	Mare Is.	4415	Illuminating set; recommends that set be repaired in lieu of manufacturing new.L To---repair appd.5/14.	
			1914		
132144	7-27	CO		Fans - reqs. inc. in allowance	280-21

NB—0120

N.S.E. Form 134.

MARYLAND: LIGHT & POWER. 280-5

Number.	Date.	From or To—	Subject.
		1915	
153852	3-30	CO	Repair elec candlesticks.L
	4-21	M.Is 3934	To M.IS-- Appvs repairs to. 5/4
159309	6-22	CO	Change location of hooded receptacle, and install blinker set.L Fwd M.Is-- For estimate.7/3 RB 7/29 To M.Is-- Appvs. 7/30
		1916	
184210	4-4	CO	Request storage battery charging panel.L To--Reqt list of storage batteries now installed on vessel. 4/11 COgives list of batteries 4-18 To--Not warranted. 4/26
198120	8-26	Dept	Reports insufficient lighting in holds for coaling.L Retd--Steps have been taken to provide illumination for. 9/8
198904	9-6	Pug Sd	Manufacture and install mechanical control searchlight.L Fwd Dept--Bu will auth work under its cognizance. 9/28 RB 10/10 To--Est appvd. 10/24
207734	12-2	Pug Sd	Estimate for repairsnigh signal set.L To--Disappv repairs. 12/12
		1917	
Pug Sd 299	2/27	To Pug Sd T	Directs ship motor generator in store at M.Is. to Pug Sd for, if time permits. LR

NB—0120

[OVER.]

280 -- 5
FREDERICK
MARYLAND: LIGHT & POWER.

1912

Number.	Date.	From or To—	Subject.	
69866	5-15 5-24	CO M.Is 4998	Install night signal apparatus.L	
70007	5-17 5-23	CO M.Is 4986	Repair bearings gen.Set. L	
70274	5-23 5-25	CO M.Is 5063	Re-nickle electroliers, officers quarters.L	
70891	3/26	C.O.	Reqt repairs to gen. sets, etc	280--8
72044	6/6 6/22 6/25	M.Is. C&R Dept.	Alterations; especially increased lighting in magazine and shell room.	280-8
72044	8/24	To M.Is?	Additional lighting will be installed on fwd bulkhead of each magazine compartment A-34-M and A-35-M.	280-8
79817	10-9	Dept	Reqt. for repairs to searchlight doors, and engine room lighting.L Fwd C&R 10/10	
80912	10-10 10-17	CO M.Is 9748	Repair power wiring to turrets.L	
81419	10-22	M.Is 9833	New rheostats for gen.set.L	

NB—0120

N.S.E. Form 134.

1913

MARYLAND: LIGHT & POWER. 280---5

Number.	Date.	From or To—		Subject.	
87285	12/5 1/2	CO M.Is.		Change location of night signal set.L To M.Is.appd·1/14.	
No #	1/16	To M.Is.		Blowers: 1/4 HP portable; overhauling of eight authorized.L RB 2-4 Estimates	
88172	1-24	M.Is	1031	Renew deck winch wiring leads.L. (T)to---appd.2/3.	
89178	11-27 1-24	CO M.Is	1051	Renew searchlight lamps, wiring for lights, tn. L To M.Is.appd.2/3.	
89337	1-27	M.Is	1133	Portable blowers; revised estimate.L To---appd.2/5.	
89360	1-17 1-28	CO M.Is	999	Install feed rheostats for dynamos. Y	
89361	11/21	C.O.		Install feed rheostat for dynamos,etc	280--8
89454	1-28	M.Is	1191	Ammunition hoist panel; rewind.L	
90415	1/8	C.O.		GEN. sets, submits estimates, etc	280--8

NB—0120

[OVER.]

280--5

FREDERICK
MARYLAND: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.	
44959	7/22	C.O. Repairs to	searchlights and telephoto sets. L	
45303	7/28	C.O.	Reqt auth. to turn in spare parts for generating sets	280-21
46437	8/5	C.O.	Repairs to searchlights. L	
47069	8/10 8/16	C.O. M.Is 7838	Searchlights; repairs to.L.	
48246	8/25 8/31	C.O. M.Is	Reqt. repairs to elec. testing sets.L	
49709	9/28	M.Is	Searchlights; reqt. shipment be expedited; desireable before Oct.20.L Tel. G.E. have you 4 -36" available 9/29 Tel. M.I. lights for & W.VA will be shipped Oct. 2 10/2	
49861	9/30	GE T	4 projectors assignd ARKANSAS available for shipment to; armoured cables can follow by express in 2 weeks.L. Ref. S&A confirms req. for shipment 10/2	
49877	9/20 9/23	C.O. M.Is 9286	Elec. night signalling apparatus; reqt. repairs to.L.	
49887	9/18 9/21	C.O. M.Is 9234	Repairs to eccentric straps dynamo engine.L	

NB—0120

N.S.E. Form 134.

MARYLAND: LIGHT & POWER SYSTEMS. 280-5

Number.	Date.	From or To—		Subject.
49908	10/2	GE		& WEST VIRGINIA; searchlight ready for shipment to-night; arrive by freight Oct.23; By express will cost $600. more; reqt. instructions.L. Ref. S&A ship all but cables by freight 10/2
50976	10/12	GE	55-12	& WEST VIRGINIA: Quotes price on 4, 32" elec. control projectors delivered; lamps already shipped being diverted from ARKANSAS.L
50975	10/12	GE	55-11	& WEST VIRGINIA; Armoured cables and couplings; will besent by express 12th inst; searchlight shipped fast fregith on 2nd. L
52087	10/27	GE	55-13	& WEST VIRGINIA; order covering searchlights diverted from ARKANSAS not yet received.L.
52966	10/26 11/1	C.O. M.Is	10785	Repairs to portable blowers.D
53151	10/3	M.Is.		CALIFORNIA: SOUTH DAKOTA: re shifting location of ventilating blowers from vicinity of battle compass; necessary wiring changes. 147--5
				1912
61933	2-13 2-23	M.Is C&R	810 19336-E.545	Estimate for power wiring,etc. for deck winches. L Ret C&R.2/27.

NB—0120

[OVER.]

280 -- 5 FREDERICK
MARYLAND: LIGHT & POWER SYSTEMS.

FILE No.		From or To— (Dated)	Subject.	
29193	1/4	M.Is.	Location of searchlights; reports on Ref C.O.Each light to have its own arc 1/20. Ret C&R Duplicate copy ret 1/25. R.B.2/2	
30084	1/17	C.O.	Reqt. replacement of 30" searchlight mirrors broken during battle practice. To -- Reqns to be submitted in usual manner 1/28.	
31847	2/17	To M.Is.	ILLUMINATING SETS: submits estimated cost for installing in accordance with latest specfs	733
33900	3/18	M.Is.	ILLUMINATING SETS: prints showing modifications	733
42559	6/21	M.Is.	CALIFORNIA: SOUTH DAKOTA: searchlight panels; rel secondary turrets.	147—5
43857	7/6	M.Is.	ILLUMINATING SETS: submits estimates for installing	733
44085	7/14	C.O.	Reqt. repairs to dynamo engines.L.	
44452	7/8	M.Is. VOID	SEARCHLIGHTS: reqt auth. to install 36" on sched. 2584 on:	VOID 708
44898	7/14 7/22	C.O. M.Is 6991 VOID	Estimate for extending umbrellas to stacks.Y VOID	
44898	7/14 7/22	C.O. M.Is 4991	Repairs to dynamo engine. L	

NB—0120

FREDERICK: RADIO:

1921

Number.	Date.	From or To—	Subject.
562799	4:15 5:3	CO Pac Flt	Request radio compass be furnished. W To Pug Snd Appvd cc ac-C-1-C-- CO 5/13 To S&A Reqst shipmt of radio compass from Phila to SO Pug Snd 7468 5/20 RB 11/23 W S&A- material will be shipt to Puget Sd on 7/15- W 7/6 Pug. Sd.-Rqst disposition of compass equipt. 12/22 W To Pug Snd Gives disposition of 12/31 Pug. Sd. 2/21 W
		1922	
605283	1/18	MI (T)	Request auth to remove compass house and receiver from vessel and ship to Pug. Sd. for stock. W. To MI (T) Appvd 1/23

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

FREDERICK: RADIO

Number.	Date.	From or To—	Subject.
423108	5:22 5:4	CO At Cruiser	Submits information re battery used with audion control boxes and amplifier W
423107	5:19 6:3	CO At Cruiser	Req. short wave receiving set for be replaced with 1 of latest type W To- Short wave receiver reqted shipt and gives ditections to turn into store at nearest yd type IP-76 receiver. copy to S.O. Wash. 6-12 To S&A- Reqt shipt medium wave receiver from Wash to CO. W. 6-12 RB--10;1 CO-9;24 -1920-
491017	4;30	Phila	Confirms telephone conversation in connection with receiving apparatus for MICHIGAN receiver for MINNESOTA-shipment of hydrophone material from german submarines 148 and 117 and lockers for batteries on destroyers.W
493520	5/10	CO	Reqst 5 KW quenched spark gap be furnished -W Fwd CO 5-15.
497751	5/1 6/3	CO Phila	Reqst one quenched spark gap be furnished - W To Phila. Authorizes instln of Lowenstein gap CC CO 6-8.

4—3381

280-6

N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	
509221	8 4	To Gen Elec Co	Urgently require spare armature adv del and and price by tel W.	280-5
551045	3;11	Pac Flt T	Recommends aux radio set be installed during present overhaul.W Fwd Dept. via C&R cc C-I-C Pac Fleet 3/15 To C-I-C ac Fleet Disappvd cc CO 4/6	RB-4;1
552555	3;7 3;15	CO Pac Flt	Request install motor buzzer.W To Pug Snd Instln of buzzer transm appvd cc CO 3/24 ~~Pug Sd-submits estimates-5;3-W~~ To Pug Snd Estimates appvd 5/20 Pug Sdpsubmits estimates-5;16-W	
552557	3;7 3;15	CO Pac Flt	Request instal non-synchronous rotary gap.W To CO Disappvd cc C-I-C Pac Fleet 3/24	
553985	4/6	Fwd C&R	Radio alterations on- C6 C-I-C Pac Fleet-CO W C&R-copy of action to CO-4;26-W C&R-4;26-W To C&R Gives status of shipmt 4/29	
537855	4;11	Pac Trn	Recommends all radio apparatus in question be retained on board FREDERICK.W	216-6
557529	4/19	To S&A	Reqst shipmt of booth from Chasn to Pug Snd 7053 W RB 8/29	
560800	4/30	To CO	~~Transfer of radio material;Reqst Inform W~~ CO-5;10-W	
561970	4;30	Pug Sd	Fwds calibration data.W	

4—3381

[OVER.]

1917

1918

FREDERICK: RADIO.

Number.	Date.	From or To—	Subject.
271141	12/28	CO	Request authority to turn in excess radio ~~material.~~ L To- Auth to turn into store/ 1-8 C O - Jan 18 - W CO - 1-3 W
281371	2-14	To S&A	Reqt shipt audibility meter from MARYLAND to Chatham Mass. 2-14 W To- Reqts cancel above shipt reqt. 2-19 To- eqts shipt one audibility meter serial no. 132 from CO to Mass, 2-19
284792	2/20	P Snd	~~Radio installation - fwds plans - W~~
275741	3-4	To S&A	Reqt shipt one audion control box from Wash to CO. W R B 6/28
286823	3/6	CO R	Request ultra audion.W To(T)-Audion will be shipped from Wash yd March 8th. 3-7
351230	9-1	CO	Atl. Cruiser 9-24 Submits report of operations of radio installation on W Fwd Cruiser and Transport Force 9-26

280-6
N.S.E. Form 134.

FREDERICK: RADIO

Number.	Date.	From or To—	Subject.	
353004	9-23	CO	Requests radio material W To CO, rqst not approved, 10-3	
356828	10;4	CO	Stating should be removed Y	
360632	10;21	CO	Tel. req. auth. to turn in radio transformer which cannot be used and secure another one from some other yard other than Norfork.	
			1919	
392747	2/6	CO	Request radio compass be installed - W	
900-3915	4/9	To Wireless Spec. Co.	Your letter 5th- Duplicate of those supplied contract 133- re transformers FREDERICK W/	706
416961	4-26	CO	Rqst for 10 KW quench spark gap- W	

4—3381

[OVER.]

FREDERICK: RADIO.

Number.	Date.	From or To—	Subject.
213389		CARD 2	Pug Sd will install SARATOGA's set and radio compass assigned SOUTH DAKOTA, to be replaced by manufacture at yard or shipment from Phila; fwdsplan 2/8 To Pug Sd--(T) Radio sets should arrive Pug Sd April 15th. Reqt rec re reassignment of.2/13 To M.Is.--Fwds 3 enclosures. 2/14 To Pug Sd--Fwds 2 enclosures. 2/14 To S&A--Reqt shipt be expedited. 2/14 To Pug Sd--(T) Instrns. 2/15 Pug Sd (copy) SOUTH DAKOTA; recommends vessel be held ~~NY~~ until new 20kw set is delivered about Apr 10th 2/17 To Pug Sd (T) radio compass assigned SO DAK, auth install FREDERICK; additional compass for SO DAK disappd 2/20
214816	2-8	Pug Sd	Fwds Vandykes radio set.W Duplicate through C&R; asks if plans satis 3/2 Fwd C&R--Drawing satis. 3/2 RB 3-8 Fwd C&R--3/8
215116	2-17	P Ug Sd T	& So.DAK; installation 20 kw sets; necessary armor cable above weather deck; request Bureau secure wire.W. Fwd S&A--2/19 RB 2-24
215477	2-9	CO	Alterations radio room.W To Pug Sd-- disapproves certain plans and makes suggestions for improving location of set.2-28 To--Disappvs sleeping quarters for operator in redio rooms. 3/2
216935	3-6	Pug Sd R	& SO DAK; recommends installation of 4 conductor cable in lieu of 6 in radio room to conning tower.W. ~~Fwd Dept--With rec.3/12RB 3-19~~ To--(T)Install appvd. 3/20

N.S.E. Form 134.

FREDERICK: RADIO. 280 -- 6

Number.	Date.	From or To—	Subject.	
218347	3/16	Pug Sd R	& SOUTH DAKOTA & SARATOGA; asks if Bureau can supply 3 long wave, Navy standard, receiving sets for; gives dates of completion.W To--Gives Bu action on. 3/24 To S&A--Reqt shipt long range receiving set from Wash to. 3/24	
219589	3-20	CO	Request means for receiving and sending messages from conning tower be installed.W.	
220913	3-26 M Is - submits estimate 5/31 W To M.Is.--Appvs ests.6/11	CO	Request new Navy type Mark V or VI wave changer; Mark II on board unreliable. W To M.Is.--Reqt ests. 4/7 To S&A--Reqt shipt of wave changer to M.Is.for.4/9	
221000	4-5	M. Is R HUNTINGTON	Request authority to install FREDERICK set to prevent delay.	477-6
222762	4/10	Pug Sd	Calibration of 20 kw arc set and radio compass; fwds.W	
223254	4/10	Pacific Fleet Fdk	Radion operations good condition. W	
224626	4/19	Pug Sd	Request key in conning tower for auxiliary battle station.W To--Appvs est.4/28	
236131	6/29	Pug Sd T	Radio motor generator on hand; asks if shall be shipped East Coast by MARS.W To S&A--Reqt shipt of generator from Pug Sd to 7/2 To CO--Gives action.7/2 To CO--Reqt reply.8/21	

NB—0120

[OVER] CO 12-2

FREDERICK
MARYLAND: RADIO

1914

Number.	Date.	From or To—	Subject.
135501	9-22	CO	Instll insulators on aerial yards; also rat tail insulator.W Fwd M.Is-- For recmn. 9/30 RB 10 21 M.Is (T) recommends approval 10-22 To M.Is-- (T) Appvd. 10/22 To M.IS-- Appvs. 11/2
135502	9-22	CO	Radio aerials; remove 4 wires.W To-- Authorized. 10/1
142578	12-10 12-12	CO M.Is 13345	Estimate for manufacturing radio condensers.W To M.Is-- Appvs. 12/23 To CO-- Fwds copy above letter. 12/23
143768	1-5	To CO Via M.Is.	Receives and wavemeter; reqt information if certain apparatus is on board. W DSB Fwd CO Via M.Is-- Re further. 3/9 RB 4/21
168826	10/21	To CO via S&A	Reqt shipment of wavemeter to M Is.W ~~Md-St~~ CO reports turning in K&C wave meter to M.Is 11-15

1916

Number.	Date.	From or To—	Subject.
177400	1-27	To CO.	Wavemeter and tikker detector; asks disposition of. W CO reports on disposition 2-5
179322	2-9	M.Is	Arc raio set; submits estimate for installing.W Fwd C&R--SE work authorized. 3/3 To--Work authorized. 3/3 To--(T) Estimates appvd; desires completion present overhaul period. 4/18 To--Transfer to Pug Sd. 5/16/16
184443	4-16 4-10	M.Is C&R	& SOUTH DAKOTA: PITTSBURG; arc radio sets; submits plan and estimate for enlarging radio rooms. W To--Re instllation on S.DAKOTA. 5/12

N.S.E. Form 134.

280 — 6 MARYLAND: RADIO:

Number.	Date.	From or To—	Subject.	
187655	5-12	To M.Is.	& PITTSBURGH: 20 K.W. arc radio set under contract 345 are assigned to. W To S&A--Reqt shipment above sets from M.Is to Pug Sd. 5/12	
191935	6-24 6-27	Pug Sd C&R	Radio room: ventilation inadequate.W Fwd C&R-- 6/30	
202445	10/10	Pac Flt	Request installation of 20 kw arc set	342-6
208118	12-4	Pac Flt.	Reports on insectpion of radio. W	406-6
209203	12/20	To Pug Sd	Reqt est and rec for putting waver changer on board in efficient working order. W Pug Sd wave changer of obsolte type; request authority to install new 1/18	
213389	2/4 Pug Sd (T) set previously assigr SARATOGA being installed FREDERICK; reqt SO DAK's shipped direct by express from contrs 2/14	Pug Sd T 1917 6	& SOUTH DAKOTA: request Bureau take steps to secure 20 kw arc sets .W Pug Sd proposed assignment of sets 2/5 To--(T) Cannot furnish as reqted. Definite dates furnished Feb 9th. 2/8	CARD 3
213790	2-5 2-7	Pug Sd T Copy Dept	& SO DAKOTA: request radio sets be expedited; also reports on fire control material.W Pug Sd fwds correct reading message sent Feb 5 2/6 Fwd Dept--2/17 RB 3-8 Fwd Dept--3/29 RB 4-2	

NB—0120

[OVER.]

280 --6
FREDERICK
MARYLAND: WIRELESS

1

Number.	Date.	From or To—	Subject.	
43279	8/4	Dept	Auth. purchase of Lee DeForest 2 kw quenched spark set for:	876
54754	11/18	C.O.	Report on wireless test.W	
			1912	
70706	4/3	C.O.	Repairs wireless, etc.	280--3
No #	11/12	To M.Is.	Recn.385, for Telefunken receiving set; Request to be informed necessity for.W	
83297	11-22	Pac.Flt T	Rect. Telefunken receiving set to replace set condemned.W. To CO via Pac.Flt and Pug.Sd. Wireless Spe.App.Co's material to be shipped from NY yard.11/23.	
			1913	
87557	12-18	CO	Description. W	
90414	2/8	M.Is. 1642	Cancel Job Order for rewinding radio motor generator.W To-- apps 2/17	
91220	2/27	To Ship,S&A & Fleet	Shipment of radio receiving set from	326--6

NB--0120

N.S.E. Form 134.

1914

MARYLAND: RADIO 280-6

Number.	Date.	From or To—		Subject.	
116100	1-27	To NY	R	5-kw set; asks when will be ready to ship.W NY 1-27 (R) ready for shipment; reqt shipping instructions 1-27 To Dept. Fwd S&A.request shipment NY to M.Is.1/28. (R)to NY.2d set assigned IDAHO 1/28 RB 1 31 appd To M.Is.gives status of shipment; instructions.2/2 M.Is reqt action 4-1(T) (T)to M.Is.est. appd BUFFALO.4/2	
116100	1/27	To NY			
116255	1/29	NY		Set will be shipped Feb. 23.	237--6
118889	3-2	CO		Reqt that radio room be changed before installing new 5 kw set.W Fwd C&R.request early action be taken 3/3 RB 3 5	
119403	3-3	CO		Radio office; recommends be removed to present Navigaters office. W Fwd C&R.3/9.	
120276	3-13	M.Is	2754	Calls attention to discrepancy between specns and set received.W Fwd NY.set was purchased on contract 133 under old spcfns 16-T-5. 3/19 RB 3 31 To---set purchased under spcfns 16-T-5. 3/31	
120600	3-14 3-23	M.Is C&R	2786	Relative to change in location radio set.W Fwd Dept.rec radio room remain in present location.3/25. RB 3 27 appd To M.Is.appd.3/27. Ret C&R.3/27.	
131555	7-20	CO		Spark gaps; Boston transmitter type; furnished by Wireless Spec Co. Reports heating.W Fwd NY.submit reqn.8/5 RB 8 14 To---reqn submitted for 10 gap units.8/14	

NB—0120

[OVER.]

FREDERICK: SIGNALS: UNDERWATER

Number.	Date.	From or To—	Subject.
306675	5-13	Washington	Fwds invoice of Submarine Sig Co covering services of inspection of apparatus on. L To Submarine Signal Co, re inspection of submarine signal apparatus, and stating contract inspection can not be paid for when they occur within 6 months of each other 5-18 Sub Sig Co - 5-24 Fwd S&A 5-31 received back 6;14 Fwd Wash, 6-18
399978	3/5	C&R	CHATTANOOGA&FREDERICK confirms tel conversn re to installation of listening device L

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

#280--7
FREDERICK
MARYLAND

SIGNALS, underwater

FILE No.	From or To— (Dated)	Subject.	
28090 12-17	M.Is.	SIGNALS, sub. re installation;	711--3
52170 10/24	M.Is 10424	Estimate for installing. L	
53229 11/8	Sub.Sig.Co	SIGNALS: fwds bill for balance due on cont $3	711--3
		1912	
72595 6/25	Maryland	Reports on operation	711--3
		19171913	
220793 3-31	Sub Sig Co ,	Inspection report and bill.L Fwd CO--4/7 RB 4-27 To Wash--Rec payment.4/28 1918	
270412 12-28	Sub Sig Co	Fwds copy inspection reports on apparatus on the NEBRASKA RHODE ISLAND VIRGINIA and FREDERICK. L	711-3
		1918	
302567 4/25	CO	Repairs to submarines signal set - L	
306204 5/10	Sub Signal Co	Fwds copy of inspection report on FREDERICK & CONNECTICUT - L	

NB—0120

Number.	Date.	From or To—	Subject.	
625101	5/18	M.I.	Submits revision of estimates due to change in indirect charges incident to report of material inspection Y	
629104	3/31 6/21	Pac Fleet M.I.	Submits report on inspection Y	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

280- 8
FREDERICK MACHRY PLANT GENERAL 1921 14C

Number.	Date.	From or To—	Subject.
597234	11/23	Dept	Copy of telegram to MI directing vessel be placed out of commission. Y
598634	12/3	Dept	Vesselwill be placed out of commission 2/14 at Phila. Y
599180	12/6	Dept	Circular- vessel will be placed out of commission 2/14 at Mare Isl. Y
603655	1/7	Dept	Cpy of letter to Mare Isl. stating vessel will not be sold. Y
608650	1/3	Engr Busch Sulz.	Fwds contractors request upon 12th payment for main and aux engines.
610884	2/16	Pug Sd.	All outstanding job orders have been transferred to MI Y To Pug Sd-decommissioning-disposition of equipment-2;27-Ys
617725	4/4	MI	Submits estimates incident to material inspection. Y Fwds Operns 4/11 RB 4/17 Y

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N. Eng. 134

FREDERICK MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
617705	4/8	Dept	Copy of letter to MI making vessel available for work- will relieve CONNECTICUT. Y	
618374	4/13	Dept	Copy of telegram to MI directing undertake no work on, pending review of material inspection. DY MI- Copy- Will take up estimates at once. MI- Copy- Boiler repairs will require 6 months to obtain material. 4/13 BY Pac Fleet 4/14 Copy. Expenditures not justified BY	4/14 B-Y
620240	4/20	MI	Submm estimates incident to report on material inspection. Y	
621336	5/1	Dept	Copy of letter to M.I. stating vessel will not be reconditioned as relief for CONNECTICUT Y	

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[OVER.]

Number.	Date.	From or To—	Subject.
555068	4;1	Pac Train copy	Rear Admiral H.A.Fields assumed command.A
555070	3;31	Pug Sd copy	Repairs should be made to vessel if extended cruise is contemplated.Y
555925	VOID 4;6		
555951	4;5	Dept	Copy of telegram to Pug Sd extending date of completion to April 23.Y
559780	4;1 4;23	CO Dept	Report on matl readiness.Y To CO Gives instrns cc Operns-Pacific Fleet Pug Snd Y 4/27
559863	4;20	Pug Sd	Request VanDykes of machy plans be furnished.D To Puget Sd 5-14
573316	6;28 7;7	Pac Flt C&R	Report of annual inspn.Y Fwd Operns 7/12
579433	8;2	Pac Flt	Recommends matl inspn be ordered on.Y
581281	8;15	Dept	Instrns in connection with holding matl inspn.Y To I&S- Inform fwd 8/19 Yb Bd I&S-returns corres-10;31-Y

280-8

N. Eng. 134

FREDERICK: MACH PLANT GENERAL 1921

Number.	Date.	From or To—	Subject.	
581261	8/17	Dept	CHARLESTON will be placed in reserve FREDERICK will be placed in commission.	153-8 Y
586077	9/16	Operations	Vessel to be placed out of commission.	Y
586525	9;20	Operns	Vessel to be placed out of commission.	Y
594867	9/30 11/7	CO C&R	Report on material readiness Fwd Operns via Ordn Navign 11/17	Y
595544	?	Bd I&S	Report on material inspection held 9/22	Y
596917	11/21	Mare Isl. Copy	Can decommisson vessel about 12/30	Y
597127	11/22	Dept	Copt of telegram to MI giving instrns rel to decommissioning of vessel.	Y

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[OVER.]

FREDERICK: MACHY PLANT:GENERAL:

Number.	Date.	From or To—	Subject.
516409	9;10	CO copy	Vessel left Antwerp Sept 10th for Lidan.A
521069	10;5	Dept	Copy of telegram to Atl Flt directing vessel proceed to Philadelphia and not NY.A
524146	10;19	Dept	Copy of telegram to Phila making vessel available for repairs.A&Y
524260	10-20	Phone to Phila	Reqst for overhaul Y
525020	10;22	Dept	Vessel assigned as flag ship Pac Trn.Y To Operns Reqst CO be dir to stop at Norf on trip from Phila and take on bd mat listed cc Norf- Phila- CO 10-27 To Norf Phone call 11/30
530153	11;18	Dept Circular	Vessel will proceed to West Coast for temporary duty flagship Pac Trn home yard changed to Pug Sd.A To Phila Chan e in Home Yard cc Ih Ports- CO Ports-copy of action to Pug Sd-12;1411--22
530698	11;22	Phila	Recommends outstanding job orders be cancelled when vessel leaves yard.Y To Phila Auths cancellation of orders cc CO 11-24

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N.S.E. Form 134.

280-8:FREDERICK: MACH PLANT:GEN:

Number.	Date.	From or To—		Subject.
531378	11;26	Dept		Copy of telegram to 4th Dis directing vessel proceed to West Coast.A&Y
4 534551	12;10	Norf		Requesting job order to secure two crankshaft and 4 propeller blades on board.Y
S&A-copy of action to 15th Dis-3;17-Y To SC Pug Snd Gives inform re report of mat 3/31				Fwd S&A 1-4/21 RB-stating cost of loading matl on board vessel is proper charge to appropriation under Engineering-xx2;4-K cross to 500-4 To IM Norf Gives inform cc S&A 2/8/21
540783	1;16	CO	copy	Pac Train transferred flag from GLACIER to FREDERICK.A
543801	2-1	To Im Norf		Closing out of job orders authd cc CO Y
548966	2;28	C&R		Copy of letter to Pug Sd making vessel available about March 11 for docking.Y
552289	3;16	Pug Sd	copy	If vessel is to continue in service for two years or more recommends repairs listed be made.Y
554660	3;30	Pug Sd	copy	Vessel docked.Y

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[OVER.]

FREDERICK: MACHY PLANT: GEN.

Number.	Date.	From or To—	Subject.	
434844	7/23	Dept	Copy of telegram to 4th Dist stating vessel will be considered as in reduced commission - A CO - copy - vessel ready to proceed to Phila 7/30 - 7/23 - A Dept-Only absolutely necessary repairs will be made.7;25	
439338	8;7	CO	One complete set of old prints on board-request disposition.D To- Auth destruction by burning of the old set of prints referred to. 8-20	
441930 To I.M. Ports- Reqts instructions re transfer of job orders to Phila be cancelled. copy to CO and Comdt Phila.9-15	8/28	To Ports	Req transfer outstanding job orders on FREDERICK to Yard Ph cc to Ph and FREDERICK Y Ports-reports on transferring of job orders.9-;10	
443648	7/23	Bd Insp.	Material inspection - fwds report - Y	
8 448916	8;6 9;24 10;2	Ports M&S C&R CANCELLED	Report on disposition of troop transport material from FREDERICK & SOUTH DAKOTA.Y	
449821 To I.M. Ports- Vessel orderedto Ports. for the preparation of estimates and the completion of work. copy to CO.10-17	10-4	Ports.	Asks if Bur desires estimates for work be postponed until return of vessel to yd. Y Fwd Operations/ copy to I.M. Ports and CO.10-10 R B 10-16 Dept - copy of action to Ports - 11/10 Ports - 11/15	

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N.S.E. Form 134.

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Number.	Date.	From or To—	Subject.
451435	10/14	Dept	Copy of telegram to Atl Flt directing vessel proceed to Ports for completion of work - Y
458034	11/14	Dept	Copy of telegram to Atl Flt directing vessel proceed to Phila and resume reduced commission - A
452499	12;8	Ports	Report of Bd of Inspecn and Survey.Y Fwd Operations. 12-18 To C&R- Lists Items Under. 12-18 RB-12;26 To I.M. Ports. copy to CO.12-30
488196	4;17	Dept	Copy of telegram to Phila making vessel available for repairs.Y
496143	5-26	To Phila	Issuance of job order for; reqst complete report on work. 5-26 Y.
496108 6	5-26	To Phila	Reqst report upon final conditions of pistons CC CO 5-26.
Phila-fwds copy		letter of July 8-9;2-Y	Phila-modifications of hp and lp pistons of main engine-fwds prints-7;8-Y cross to 9
501169	6;22	Phila	Submits detailed report with estimates covering issuance and disposition of job orders-fwding records of work.Y
Phila- Replies to Bureaus letter of 8/23		8/25 Y	Fwd Dept 7-14 Fwd Dept 7-27 RB-8;20-Y To C mdt Phila 8/23/20

FREDERICK: MACHY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.	
383314	1/1/19 1/6/19	CO Atl Cruiser	Request steam disinfector prints be installed- fwd C&R 1-14 Y&D	
385029	1;7 1;13	Norf C&R	Weekly report of work ending 11;23 and 10-26 Y fwd Ports 1-15 R B 2/6	
399716	2;27 3;4	CO At Cr	Req. repair sections of fire main - manfg. new ash ejector bowls etc Y	
403469	3;10 3;13	Cruiser Force Dept	Military inspection. Fwd Operations via Navgn-S&A-M&S- 3-18	
299487	4/9 5/20 5/21	Panama Canal Fwd Atl Flt RB 5/25 TO S&A RB 5/28	PITTSBURG SOUTH DAKOTA FREDERICK lists matl in store canal zone for Y To MI inform what matrl consists of. To Matl for PITTSBURG and req hold 22RB 5/18 To S&A list matl at Canal zone and req issue instr for shipt to Ports New Hampshire 5/9 Fwds ports 5/10 Ms req Pitts be instr Re disposition 5/13 PUBLO give list of repairs reqstd A	342-8

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N.S.E. Form 134.

FREDERICK: MACHRY PLANT: GENERAL 1919

Number.	Date.	From or To—	Subject.
419905	5/19	Ports.	HUNTINGDON & FREDERICK: Rqst vandykes showing arrangement of main & auxiliary steam and exhaust pipes, feed water heaters, etc. be furnished. D.
424495	6;7	CO	Analysis matl report Y
429426	7-2	To CO	Release from Troop Transport Duty. Directs removal of all Special SE material with exceptions of extra lights. Yo
427843	7-16	To Bd I&S	Material Inspection. Fwds correspondence. Yo Bd I&S-returns correspnndence-11;1
434180	7/21	Dept	Copy of telegram to Ports directing have vessel proceed to Phila preparetory to being placed out of commission - A
[illegible]	[illegible]	[illegible]	[illegible]
434339	7;14 7;21	Atl Flt C&R	Report of matl readiness for war service. Y Fwd Operations vi ord. 7-24

FREDERICK: MACHINERY PLANT: GENERAL 1918 9

Number.	Date.	From or To—	Subject.	
3				
299275	2-2 4-6	Panama Canal C&R	Fwds bills for services and supplies. K Fwd S&A 4-22	
~~299487~~	~~4/9~~	~~Panama Canal~~	~~Pittsburg So Dakota Frederick lists material in store canal Zone for. Y~~	166-8
320094	5/29 6/22	Panama Canal S&A	Fwds bill covering storage charges on propeller blades and crank shafts delivered to Panama Canal Zone - Y Fwd S&A 6-26	
326831	7-15	CO Copy	Expect to arrive Base 3 July 19. Will require repairs to engines. Y	
330047	7/24 7/24	CO Atl Cruiser VOID	Request re-graze No 6 boiler auxiliary steam line - Y	
330046	7/16 7/24	CO Atl Cruiser	Request complete set of machy drawings be fwd - D	

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N. S. E. Form 134.

FREDERICK: MACHY PLANT: GEN.

Number.	Date.	From or To—	Subject.	
339569	8/19	Portsm	Rqsts drawings - D To CO, Dwgs fwd, 9-10	
340590	81/1	D ept	Relative to availability at Ports for repairs - Y	
341255	8/20	CO	Repairs to ash ejector pump and piping - Y	
343566	8/26	CO	Repairs to main condensers - feed water heaters - safety valves - etc - Y To Ports, re retubing of condenser, 9-6 Ports. 9-28 Submits estimate To Ports, approves estimate, 10-1	
349638	8/17	Ports Copy	Necessary to retube both main condensers-material on hand - request instrns - Y	
358636	10/3 10/13	Co At Cr	Req. change point of entry to main condensors of main cyklinders. Y	280--15
372242	11-26	To Norf	Report on outstanding work, Y To NY- reqst corrections- 1-10 To Ports- re work, outstanding 1-10	

4—3381

[OVER.]

1918

FREDERICK: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.	
275729		CARD 7	Pug Sd - copy of letter to Ports fwding prints. Y Ports. Copy of letter fwded prints to Ports. Y - 2-15	
	Ports -	submits estimates - 3/23 - Y		
274763	2-15	SEE CARD 7	To Ports- Directs preapre reqn for types thermostats to be installed. L-Y	
	To Ports (T)-Satis to use cast tube sheets and condenser tubes mentioned for feed water heater. 2-27		Fwd Pug Sd- 2-19 & Ports & CO R B 3/11	
Ports. Estimate for retubing feed water heater. (Cross to 10) 3-12			To Ports-Encloses weekly report of work. 2-19	
		To Ports- 3-18	Ports - (T) gives number of tubes and other material reqd for condensers 2/26 - L	
282987	2-19	At. Cr. Force Copy	FREDERICK. Directs proceed to Ports for overhauling. A	OTHER SIDE
280205	2-18	Fwd Operations via Ordnance & Navgn.-Work under S.E.cognizance estimates for. Y		
288097	3/9	Ports	Outboard bearings - states stern tubes will not require rewooding - Y	
288921	3-12	Dept	19th - date of completion. Y	

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N.S.E. Form 134.

FREDERICK: MACHINERY PLANT: GENERAL 280 - - 8

Number.	Date.	From or To—	Subject.	
274763		SEE OTHER SIDE	CO - Requests work on governors for Hotwell pumps and change location of engine telegraphs be not done. Y 3-25 ~~Fwd~~ To CO- Fwds print. 3-28 CO - Relative to remedying defects feed water heater. (Cross to 280 - 10) D To CO-Not considered necessary to provide new heads at this time. 5-8 Ports - Request approval of installation of mercurial for thermometers and fittings. 6-11 To Ports. Approving use of mercurial thermometers and fittings. 6-20	
293300	3-27	Ports	Material inspection - fwds estimates. Y	
293976	3/27	CO	~~Request blue print filing case~~ - Y To- Reqt disappvd. 4-3	
296447	2-12 4-6	Panama Canal S&A	Fwds bills for work done. K Fwd S&A- 4-12	

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[OVER.]

1917

FREDERICK: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—	Subject.	
213393	2/4	Pug Sd T	Are proceeding with certain items recommended by Board of inpsection.Y	
213532	?	Bd I&S	Fwds report.Y	
218821	3-16	Pug Sd	Reprt of board survey and estimates.Y Fwd Dept--With rec. 3/31RB 4-2 To--Fwds inclosures showing action. 4/3	
261502	11-19	To Pug Sd & M IS-Ports	C&R- Transfer of job orders to Ports. Y To Pug Sd-Further directions for transfer of work to Ports. 12-14	
264993	12-4	CO copy	Vessel to go into dry dock Dec 5th.Y	
268376	12-18	Ports	& SAN DIEGO: SOUTH DAKOTA: HUNTINGTON - request complete sets of machy plans -D	147-8
269692	12/26	Com. Cruiser Force Copy	Extensive repairs reqd to boilers, retubing condenser, etc - Y CO - (R) 38 boiler makers and helpers $5.00 1/6 Y To Bd L & S- wds weekly report of work and correspondence as reqted. 1-7 Board of Insp. Survey 1-31 returns papers Y.	

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N.S.E. Form 134.

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FREDERICK: MACHINERY PLANT: GENERAL. 280 -- ~~9~~

Number.	Date.	From or To—	Subject.
271871	12-10 1-5	CO C&R	Emergency repairs required by Canal Zone.Y Fwd Dept via Ordnance & C&R-1-8
272247	1/8	Dept	Directs material inspection at Ports.Y
272493	1/3	CO	Alterations, dynamo condenser. Install by-pass on exhaust line, valve on steam line to oil pumps, larger air chambers on pumps - Y Fwd Dept(Operations)- 1-12 R B 1/16 RB 2/25 Fwd N - R Items 1 and 3 auth. Item 2 disapprvd. 1-17 To NY- eqts fwd papers to Ports end 1/17. 1-22
276763	1/14	Bd I&S To Ports- Fwds letters showing action. 2-4 To Ports-Auth cancellation of job Fwd Dept 2-4 order. 3-29 To Ports-m2-12 Portsmouth 2-13 Requests information regarding outstanding shipped orders to be trans. from P.S.	Material inspection.Y To Dept(Operations)- Fwds recommendations for work to be undertaken. 1-22-RB-2/2 Ports 2-2 Portsmouth 255. Y. Ports - 2/5 - Y
275729	1-21	Atl Flt To Ports 2-6 To M'tis(T)-If machy plans on hand, trans to Ports. 2-6 To Pug Sd (T)	Vessel not available for repairs until February 22nd. Recommends be sent to Ports. Ports - 2/2 - Y ditto. 2-6 To Ports- Fwds Depts 1st end 2-4 2-6
276494	1-24	Dept.	Available Feb. 12 at Portsmouth for reprs. A. To- Recommends vessels made available between convoy trips for work. 1-28 RB Feb. 5. Fwd- 2-5
279185	2/4	Dept Ports - Y. 2-7	Available at Ports about Feb 22 for repairs - A
280205	2-7	Portsmouth	Relative to estimates for work in connection with material connection. Y.

Card 8

CARD 8

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[OVER.]

FREDERICK
MARYLAND: MACHY PLANT.

1914

Number.	Date.	From or To—	Subject.
141718	11-25 12-9	M.Is C&R	Submits list of work ~~to~~ undertaken in advance of survey. Y
142076	12-5	CO	No comments on report of material inspection.Y Fwd Dept Via Ord-- Noted. 12/16
		1915	
143499	12-29	Dept	Military inspection; fwds report.Y Retd Via Ord & S&A-- Noted 1/4
161615	**7/26**	**Dept**	**Aug. 5th,date of completion.Y**
161650	7/19	CO	List of work to be performed by ship's force.Y
163333	8-13	Dept	Directs material inspection.Y
163843	**8/20**	**Bd of Insp**	**Repair papers; reqt.Y** To -- none 8-21 Bd I&S-Returns papers.9/24.
165591	9-4	CO	Submits list of repairs to boilers, machine tools, main engines, valves, piping, etc. Y To Via M.Is--Submit list to Bd. 9/13
169438	10-26	Dept	Directs material inspection M.Is To Bd I&S-- No repair papers on file.10/28
169891	9-10	Bd I&S	Material inspection; fwds report.Y

N.S.E. Form 134.

MARYLAND: MACHY PLANT. 280-8

Number.	Date.	From or To—	Subject.	
171225	11-2	~~Norf~~ M I	Report of board survey and estimates.Y Fwd Dept--Recommendations.11/30 RB 12/8 M.Is (T) reqt information as to what items auth 12-7 To-- Gives action on. 12/8 To--(R) Items auth. 12/8 M Is reqt telegraphic action on certain items 12/14 Fwd Dept-- Recommendations. 12/23 RB 12/28 M.IS reqt action. 12/27	
M Is (R) reqt action on item 25 12/29 To M.Is--(T)Gives action on certain items. 12/28 To CO-Reqt report on.2/14 To M.Is--(R) Item 25S auth. 12/29 M.Is (R) reqt reconsideration of suction piping 2-12 ToM/is)(R)Auth.2/14				
174210	12/18	Dept	March 6th date for completion of repairs.Y	
171225		ABOVE	M Is globe valve for sea suction not installed 2/21	
189250	5-27	Dept	Repair limit extended to June .Y	
189647	5-27	Dept	Military inspection.Y Fwd Dept via Bus 6-2	
202247	10-12	Dept	Directs material inspection Pug Sd.Y To Bd I&S--Fwds corres in re with. 10/17 Bd I&S returns correspondence 2/17	
205304	11-4	CO	Copy of letter Bd I&S relative to repairs, and alterations desired by CO.Y	
		1917		
210357	1/3	Dept	Copy of telegram to Pug Sd directing to proceed urgent repairs.Y	
210798	12-30	CO	List of work to be done by ships force.	

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[OVER.]

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FREDERICK
MARYLAND: MACHY PLANT.

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1913

Number.	Date.	From or To—		Subject.
109954	10/22	CO		Requests additional 3-ton ice machine: install foundry in blacksmith shop; change auxy feed pump to a low duty ballast pump. Replace internal feed pipes with galvanized steel pipes. Replace all Bureau type bottom blow valves with Johnson Nolan valves, Bureau type unsatisfactory. Y Fwd M.Is.11/13 RB 4 21 Fwd.Dept.--rec.4/23 RB4 27 app'd To M. Is. 4/27
110224	10-22 11-13	CO C&R	27896-E.41	Alterations; additional 3-ton ice machine and change location of blowers,etc.Y Fwd Dept via Ord and Nav.rec disappr in other corres.11/17 RB 12 12 To M.Is.work authorized.12/15. Ret C&R.12/15.
111434	11-14	CO		Reqt. addition of 3 ton ice machine; covert aux feed pump in fire room to low duty ballast pump. Y
			1914	
115931	1-24	Dept	18999-268	Will proceed M.Is about Feb 25.Y
116910	1-31	Dept		Military inspection; fwds report.Y Ret--via Ord and S&A.2/12.
133579	8-21	CO		Eng Comp Remarks; reports on effects of lub oil in staining pins in journals; repairs to turning engine, and removal of power leads from wing bottoms. Y TO -- submit reqt coverng relocation of power leads 9-15
137158	10-16	Bd I&S		Reqt repair papers. Y To-- Fwd. 10/17 12 26
137184	10-18	Dept		Direct inspection at M.Is.Y

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MATYLAND: MACHY PLANT. 280-8

Number.	Date.	From or To—	Subject.	
138863	10-21 11-6	Pac Flt Dept	Available for repairs M.Is after Nov 15.Y To M.Is--Instructions. 11/7	
138861	1166	Dept	Available for repairs from Nov 15 for 25 days	
140018	11-11 To Via M.Is-- Gives Dept's action.	CO 11/28	Reqt 4 new evaporators, renew air lines to compressors, distiller on circulating line, floor plates, ice machine, jacking engine, cylinder castings, main engines, renew wiring all I-C circuits from central station aft.Y Fwd Dept recoomends 11-20 RB 11/28-- date of completion extended to 12/31	
140047	11-19 11-19	CO T Dept	Time allowed for repairs insufficient for evaporator and refrig room work.Y Fwd Dept recom extending date 11-20	
140179	11-21	Dept	Repair limit Extended Dec 31. Y	
140683	11-15	.Is 12555	Report of board survey and estimates.Y Fwd Dept Via Ord-- Noted. 12/4 Fwd Dept-- Recommendations. 12/9 To--Gives items appvd & disappvd. 12/22	
140787	11-30	Bd I&S	Material inspection;.Y	
141 037	12/1 12/2	NY T VOID C&R		
141037	12/1	Dept	Recommends that date of completion of repairs be advanced if practicable.Y M.Is. (T)--Work has progressed so far impossible to defer until next repair period.Y To M.Is--(T)Can work be posponed. 12/3 Fwd Dept--Comments. 12/4	

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FREDERICK
MARYLAND: MACHY PLANT.

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1913

Number.	Date.	From or To—	Subject.	
88480	1-24	Dept	Asks if practicable to transfer 4 days SE work to M.Is.Y To Pug.Sd.All outstanding job orders will be transferred to M.Is.1/27/ RB	3-5
89042	1/29	Dept.	Quarterly report on readiness for battle.Y Fwd C&R.2/1.	
89361	11-21 1-28	CO M.Is 1211	Install feed rheostat for dynamos and renew strainers on suctions to main drains.Y	
90415	1/8 2/7	CO M.Is. 67	Submits estimates for repairing piping, main and auxy condensers, main engine piston rods, ice machine, pumps, main boilers, gen.sets.Y To M.Is.appd.3/21. To CO via M.Is. Relative to rusty I.P. rods.3/21. BLRB	
90355	91-18 2-7	CO M.Is 1607	Repairs to boilers, distillers, piping, main engines,etc.Y To M.Is.appd.3/20.	
90879	2-17	M.Is	Submits estimate for repairs to feed water heater, pumps, piping, f.d. blowers, engines, valves,etc.Y To---appd.3/20.	
91594	2-10 2-15	CO M.Is 2429	Repair gage on gen sets, condenser piping,etc.Y pumps, main engines.Y To M.Is.appd.3/21.	
92067	2-21 2-28	CO M.Is 2596	Repai s to machine tools, piping and aux. feed pump. Y	

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N.S.E. Form 134.

MARYLAND: MACHY PLANT. ?280-8

Number.	Date.	From or To—		Subject.	
92182	3-3	M.Is	2680	Repairs to pumps, air compressor, gen sets. Y To---appd.3/21.	
92715	12-28 3-10	CO M.Is	2965	Renew floor plates fire rooms, ash expeller line,etc. Y TO -- auth; calls attention to discrepancies in total estimated cost.3-25 M.Os. Bu. summary correct. 4-2	
103559	8-12 8-13	M.Is Dept	T	Requires 15 days repairs;reqt. date of completion be set.Y	
103762	8-16	Dept	18999-249	Repairs aut orized M.Is. not to interfere ti-with coal tests.Y	
103907	8-10 8-14	CO M.Is		Alterations to piping, f&b pumps, connect discharge end of water service heads, & main engines to main condenser overboard discharges; install chro-tachometer, renew outboard sides feed tanks.Y Ret -- for recom 9-22 R.B. 4 13 Fwd Dept.with rec.4/14, R.B. 4 13 app d Fwd M.Is.instructions.4/18. TO Bost VIA S&A spply Davidson tachometer 4-20	
104075	8-15	Dept	18999-248	Shifting of 8" guns directed held up. Y To M.Is.appd.8/22 Fwd C&R.8/22	

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[OVER.]

FREDERICK MARYLAND: MACHY PLANT.

1912

Number.	Date.	From or To—		Subject.
63639	3-9	Dept		Report of inspection;fwds. Y Fwd S&A noted.3-20
67476	3-27 4-18	CO M.Is	3877	Recd. alterations relief valves main feed pumps, hot well pumps, air compressor, fire and bilge pump, install 4" voice tube from engine room to bridge. D-L Fwd Dept via C&R.rec appr.5/1. RB 5-8 appd Fwd C&R.5/7. To M.Is.Instructions.5/10.
67540	4-29 4-30	CO Dept		Fit for any service.Y Fwd C&R.4/30.
70707	5-29	M.Is	5248	Overhaul sea valves and examine propellers, and outboard bearings. Estimates.Y
70891	3-26 6-3	CO M.Is	5278	Recd. repairs to pumps, ice machine, gen.set, main shaft, piping, feed water heater. Y
72 044	6-6 6-22 6-25	M.Is C&R Dept	J 27896-E.8	Alterations recommended; SE items; especially increased lighting in magazine and shell room; (Recommendation made by C&R on these items without any reference to Bu. S.E.) D-L Ret Dept.with rec as to lighting.7/5. RB 8-22 To M.Is.Addtl lighting will be installed.8/24. Fwd C&R.8/24. C&R.8/26.Recst ret.L Ret-C&R gives location of 9/3
73302	6-24 7-7	M.Is C&R	5883-12	Alterations; thermometers on outside of cold storage box; height of firerom uptake hatches and other C&R items.D Fwd Dept recom. 7-15 RB 7-18 a'ppd To M.Is.appd.7/19. Fwd C&R.7/19.

N.S.E. Form 134.

MARYLAND: MACHY PLANT. 280-8

Number.	Date.	From or To—		Subject.	
78209	8-13 9-11	CO Pug.Sd	5486	Repair pipe, aux. feed pump, ice machine.Y	
80226	10-14	Dept		Authorizes 6 days repairs at M.Is. while en-route to Central American Waters.Y	
80271	10-15	Dept		Work must be completed Oct.22;authority to work shifts if necessary. Y	
80630	10-21	Dept	18999-191	Quotes telegram reporting repairs will be completed 22nd. Y	
82171	9-18 10-29	CO M.Is	10160	Cross connection between fire and bilge pump manifolds, fit sheathe between back pressure exhaust, and make casings main engine portable, and install additional tank lub.oil.D. TO -- appvd.11-11 Fwd C&R 11-11 RB 11-14 Fwd C&R.11/14. RB 11-16	
83819	9-30 11-23	CO Dept		Report on readiness for battle. Y Ret Dept.12/3.	
85609	12/20	Dept		& CALIFORNIA: available for repairs, M.Is.	147--8
				1913	
86504	1/3	Dept		& CALIFORNIA: repair limit fixed 3/15.	147--8

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Number.	Date.	From or To—	Subject.
44278	5/1 7 13	C.O. M.Is 6663	Repairs to salt water piping in engine and fire room; renew slip joint sleeves, packing, install liner in valve chest, misc. repairs to piping, boilers, distiller.Y To M.Is. Appd. See 43855-280-8. 8/11.
44988	7/31	C.O.	Repairs to pumps, manufacture trap buckets, for synamo, steering engine, etc.Y
45214	8/2	Dept	Directs work on forced lubrication, sub-central station, fire control system, be performed during repairs to condensers at M.Is. Y&L To M.Is.Instructions.8/4.
45376	7/29	C.O.	Reqt. repairs to valves, engine of steam cutter, shaft, timing device, gen. set.Y
46530	7/29 8/8	C.O. M.Is 7528	Ditto . Y Fwd Dept.Rec appr.8/19. RB 8-21a'ppd To M.Is.Appd.8/22.
46775	8/19	C.O. Department	Directs all work be completed early in Oct: Vessel to be required at Sanfrancisco Oct: 10.Y To Mass.Instructions.- Fwd S&A.via C&R. Rel shipmt of condenser tube sheets.8/21.
46760	7/21 8/10	C.O. M.Is	Reqt. repairs to p8mps, traps on dynamo and steering engine lines, renickle safety valve springs, etc.Y Fwd Dept. Rec appr.8/23 RB 8-25a'ppd To M.Is.Appd.8/26.
47885	8/30;	C.O.	New crank pin brasses, main engine, differential valve, steering engine, repairs to safety valves.Y

N.S.E. Form 134.

MARYLAND: MACHINERY PLANT: 280-8

Number.	Date.	From or To—		Subject.	
47863	5/1	C.O.		Alterations: drain line from engine room auxiliaries to feed tanks; cross connection steam and exhaust li e between turning engines, and annunciator telegraph leads, etc. Y&D Ref. Dept. approved 9/8 RB 9-11a'ppd Tel. M.I. authorized 9/11 To M.I. estimate high 9/12 BLRB10-2	
48284	6/1	Dept	18999-158	Report of inspection held Apr.25.Y Ret Dept. via Bureaus 9/12	
48356	8/30 9/2	C.O. M.Is	8526	Repairs to main engine, steering engine, safety valve. Y Ref. Dept. approved - sums up charges 9/13 RB 9-15 a'ppd -To M.I. approved 9/16	
49409	9/14	M.Is	8999	Submits estimates for installing indepdnent drain line from engine room, aux. feed tank, annunciator leads, install new bottom liner P.H.P. valve chest. Y Ref. Dept. approved 9/27 RB 9-29 a'ppd To-Appd.9/30.	
50043	9/25	M.Is	9366	Forced lubrication; reqt. spare parts for pumps. D	280--9
51635	10/20 10/20	M.Is Dept	T	Can complete vessel morning of 30th; Dept. telegraphs directing completion 28th. Sunday work authorized. Y	
53178	11/9 11/10	S&A Dept.	106930	Forwards statement showing cost of repairs and overhaul undertaken for period June 30 to Oct.28. Y Fwd Dept.via Ord & C&R.Noted.11/15.	

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MARYLAND: MACHINERY PLANT: GENERAL;

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FILE No.		From or To— (Dated)	Subject.	
28784	12/30 1/4	C.O. M.Is 7660	Repairs to steam pipe, ash ejector, whistle piping, etc.	
29432	12/23 1/10	C.O. M.Is. 154	Reqt. repairs to evaporator feed pump, port distiller; ash ejector steam pipe, etc. Fwd Dept Rec.appr.1/25. R.B.appd 1/26 To M. Is. authorized 1/27	
32387	2/24	Dept	AND PENNSYLVANIA: Docking at Pug.Sd. & M.Is work authorized in advance of estimates.Y Fwd C&R noted 2/27.	
38444	5/1	C.O.	Reqt. repairs to piping in engine rooms, boilers, and piping to auxiliaries.Y	
38443	5/1	C.O.	Reqt. alterations to piping in engine room, annunciator telegraph leads in central sta. and aux. piping.Y Fwd Dept. Recommendations.5/12 RB 5-15 a'ppd Fwd M.Is. for guidance.5/16. RB 6-5	
43151	7/8	M.Is.	& California: auth. alterations and urgent repairs to be completed 60 working days, except forced lubrication, 90 days.	147--8
43855	7/10	M.Is 6526	Submits estimates for valves for double effect evaporating plant, steam piping, ash ejector, evaporator feed pump, new distiller, evaporator shells, forced lubrication. etc.Y To---Appd. 8/11.	

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FREDERICK: MAIN ENGINES: 1918

Number.	Date.	From or To—	Subject.	
285847	3-2	To Mare Island	Crankshaft drawing showing forced lubrication holes. Reqts fwd vandyke D M Is - fwds plans - 3/20 - D	
304416	5/3 5/4	CO Atl Cruiser	~~Fwds sample of setus turbine oil - considerable quantity pumped from side of vessel could not be used - Y&R~~ Fwd Experimental Station. 5-14	
305460 CO	4-27 9-19	CO	Repairs to part high pressure and intermediate cylinders. Y To Norf- Reqst furnish equipment desired. 5-11 Fwd Ports. 5-13 R B 5/23 Norf - Copy of letter to CO relative to repairs. Y 5-16 Atlantic Cruiser 6:14 To NY Re work of reboring of port H P cylinder At N Y Yd. 6-19 To Ports, re reboring of starboard cylinder 9-25	
309538	5/22	Norf	Request drawings of M P & H P cylinders of - D	
315006	6;8	Experiment Station	Test 1052 - Fwds report on test of sample of setus oil from Frederick. R To C O. Fwd report on test for inform. 6-12 CO Dec. 20	
~~326821~~	7/12	~~Phila~~	~~&SOUTH DAKOTA HUNTINGTON FREDERICK-~~ ~~Cranksahfts -ask who will do necessary boring~~	147-9

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N.S.E. Form 134.

FREDERICK: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
35467	6/13	Phila.	Crank throws for FREDERICK inadvertently shipt to Washington instead of Phila. R.	629
428841	6-26	Phila	Rqst prints showing crank shaft forgings for. D To E.O. Phila- Fwds prints. 6-28	
441930	8;24	Ports	Asks if shall transfer all outstanding job orders and work to Phila yard.Y	
496106	7;8	Phila	Modifications of hp and lp pistons of main engine-fwds prints.Y	280-8

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FREDERICK
MARYLAND: MAIN ENGINES: ETC.

1913

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Number.	Date.	From or To—		Subject.	
90455	1/21 2/10	CO M.Is.	1450	Repair steam chests todreversing engine.Y	
90596	2-1 2-10	CO M.Is		True up crosshead pins,main engines.Y	
No #	2/18	To M.Is.	T	Repairing indicators authorized $242.Y	
90871	2-15	M.Is	2065	Estimate for overhauling spare crank shaft. Y	
91477	2-21	M.Is	2184	Floor plates; engine room; reqt. vandyke. D To---Vandyke fwd.3/7.	
92379	3-5	M.Is.	2750	Forced lubrication; shift oil piping interfering with guards over cranks. D	
92548	3-7	M.Is	2858	Estimate for installing metallic packing extension for Cooks steam seal on all piston rods.D. Fwd Dept.rec appr.3/20. RB 3-22 TO -- appvd.3-25	
121874	3-31	M.Is	2379	Intermediate and LP cylinders; estimate for repairs.Y To---appd.4/10	
140018	11/11	CO		Long list of alterations	280-8

1914

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N.S.E. Form 134.

FREDERICK: MAIN ENGINES. 280-9 1917

Number.	Date.	From or To—	Subject.	
217950	3-7	Pug Sd	Reports clearance between cylinder and piston; ship has requested that piston be built up to reduce; disapproved on account of shortage of time. DY	
260826	11-16	To S&A	Reqt shipt 2 fwd sections crank shafts. from NY to Boston. Y	
261450	11-17	To Midvale Steel Co. R AD A.R. Couden	Fwds sets of blueprints of Crankshafts. D FREDERICK SOUTH DAKOTA SAN DIEGO. D	

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[OVER.]

Number.	Date.	From or To—		Subject.	
52264	10/19 10/23	C.O. M.Is		Repair to eccentric,main engine. Y Fwd Dept. rec appr.11/1.RB 11-7 a'ppd To M.Is.Appd.11/8.	
52697	10/25	M.Is	10445	Forced lubrication system; estimates for additional piping. Y-D FwdDept.rec appr.11/6RB 11-7 a'ppd To---Appd.11/8.	
52779	10/28	M.Is	10644	Forced lubrication; revised estimates.Y-D Fwd Dept. 11/7. RB 11-8 a'pp Fwd M.Is.-11/9RB 11/28 comments. 1912	
58967	1/5	Pacific Fleet		LUBRICATION: fwds reports of:	683--4
62204	2-27	Key West		Quotes wireless from reqt. permission to enlarge 3/4" holes main journal; insufficient supply to crossheads.D (W)to C.O. request to enlarge approved.2/28. Reqt. be verified.3-1 (W)to C.O. Enlargement appd.3/1.	
66341	3-27 4-4	CO M.Is	3382	Repair main journal brasses.Y	
67960	4/22	M.Is.		Packing, C.Lee Cook. reqt definite instruction 693	
69304	4-13 5-10	CO M.Is	4575	Place larger guards over forced lubrication on cranks. D To M.Is.appd.5/21.	

N.S.E. Form 134.

280--9 MARYLAND: MAIN ENGINES: ETC.

Number.	Date.	From or To—		Subject.	
73871	7/20	To M.Is.		Alterations to H.P. valve gear, reqt estimate of cost.	636--7
76569	8/14	M.Is.	7811	Alterations for H.P.valve gear; submits estimate.D TO -- auth.10-22	
79120	9-17	M.Is	8836	Forced lubrication casings; fwds b/p showing alterations; made in connection with fitting system.D. Fwd Dept 10-2 RB105 a'ppd TO M.Is. auth.10-5	
79872	10-1	M.Is	9276	Forced lub. Fwds change in weight sheets.D. To C&R.Fwds copy form NSE 135.10/24.	
85992	12-26	M.Is		& CALIFORNIA: reqt. authority to make same change in Cook's packing as was made on SOUTH DAKOTA.D (T)to---appd.12/27.	
				1913	
86931	11/6 12/30	CO M.Is.	12105	Remove all oilcooling pipe leading to bottom main journal brasses. Main bearings porous. Necessary to prevent salt water mixing with oil after installation of forced lubrication system.D Ref. Dept. disappvd. 1/9 ~~RB1 18 a'ppd~~ To---disappd 1/14.	
89463	1-17 1-29	CO M.Is	1001	Manufacture piston valve rings.Y	

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FREDERICK
MARYLAND: MAIN ENGINES: ETC.

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Number.	Date.	From or To—	Subject.	
41748	6/14	Mare Is. 5233	Gives actual cost for installation of forced lubrication. D Fwd Dept. Rec inc over estimates be auth.6/22. R B 6-24 a'ppd also applies toS.Dakota,& PENNA. To -- Apprd.6/26.	
43611	7/14	TO M.Is T	& SOUTH DAKOTA: Reqt. dimensions of l.p. piston fod in connection with new packing.D.	
43977	7/19	M.Is	& SOUTH DAKOTA: Gives diameter of l.p. piston rods.D (T)to M.Is.Reqst deimensions.7/20.	
44180	7/21	M.Is T	Forced lubrication; impossible to complete unless vessel remains until Oct.15th. D (T) to -- Directs proceed; vessel not to be delayed beyond date originally set. 7/22.	
44267	7/22	M.Is T	Gives diameter of piston rods.D To Cook Mfg.Co. Gives dimensions.7/24.	
44575	7/20	C.O.	Reqt. rebabbittingof various bearings main engine.Y	
44731	8/8	To M.Is.	Quotes extracts from Energ Competition Report B regarding difficulty experienced with White Metal.Y	280-2
51740	10/13	C.O.	Spare parts for forced lubrication; reqst be added.	280-21

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N.S.E. Form 134.

MARYLAND: MAIN ENGINES: ETC. 280 -- 9

Number.	Date.	From or To—		Subject.	
45872	7/20 8/1	C.O. M.Is	7262	Rebabbitt parts of main engines. Y To M.Is. Appd. See 43855-280-8. 8/11.	
48919	9/20	M.Is	T	Main bearing brasses very porousand leak badley; all efforts to repairs unsatisfactory; reqt. instructions on instlling new. Y Tel. M.I. fit hose connection for circulating oil 9/20	
49406	9/12 9/18	C.O. M.Is		Forced lubrication: submits estimates and showing installation of thermometer for registering temperature of oil on cross-heads. Y-D Tel. M.I. authorizrd 9/25 Ref. Dept. approved 9/27. RBO-29 a'ppd To M.Is:-Confirms tel.auth.9/30.	prints
49590	9/12 -/18	C.O. M.Is	9043	Forced lubrication; reqt. installation of small pump in engine room for . Y&D Tel. M.I. disapproved 9/27	
50067	9/20: 9/26	C.O. M.Is	9407	Repairs to crank pin brasses, main engine. Y	
50043	9/25	M.Is.	9366	Forced lubrication; reqt. Spare parts for pumps. D To--No spares ordered.10/3.	
50713	9/28	M.Is	9363	Alterations in connection with forced lubrication system; submits estimates. Y-D Fwd Dept.rec appr.10/11. RB 10-13 a'ppd To---Appd.10/13.	
50712	9/28 10/3	C.O. M.Is	9449	Reqt. machining of various engine parts to meet changes in fo rced lubrication. Y	

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[OVER.]

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MARYLAND FREDERICK
MAIN ENGINES: etc:

FILE No.		From or To— (Dated)	Subject.	
34134	3/11	C.O.	& WEST VIRGINIA: make valve chest liner, etc. for engine.	477--9
34551	3/24	M.Is T	Valves and liners for main engines; states was intended for this ship and not for the WEST VIRGINIA. Y To -- Apprd 3/25.	
34635	3/18	M.Is	Manufacture 2 solid h.p. piston valve rings for. Y To -- Apprd 3/27.	
34994	3/24	M.Is. 2522	& WEST VIRGINIA: change in engines from in-turning to out-turning; reqt disposition of castings manufactured for use in connection with. D To -- Directs be surveyed 4/1.	
35012	3/30	TO M.Is.	Directs submission of estimated time and cost for installation of forced lubrication in. D To -- Auth.at est.cost of $30,000. 4/4. Specns. not received. 5/8. To M.Is. Addt print fwd.5/17.	
37115	4/27	To Dept. CAL	CALIFORNIA & OTHERS: Rec approval of setting of receiver safety valves on steaming trials. 1st 135 lbs., 2d 50 lbs. D R.B. 4/28 apprd.	147-9
38666	5/8	M.Is	Forced lubrication system; reqt. pumps be manufactured at Boston Yd. D To -- Pumps ordered 5th ult. 5/15.	

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1918

FREDERICK: MAIN BOILERS.

Number.	Date.	From or To—	Subject.	
355366	9/26	CO	Replace pit circulating tubes in boilers-Y To Ports, authorizing repairs if necessary 10-7	
408705	3;17	CO	Reports on condition of boilers ash pans require renewing etc reports on corrosion of boilers D To CO- But assumes CO will submit rqst as called for by articles 4329 and 4331 for work to be done- 4/11	
425959	6/12	J.J. Manning	Submits report of installation of bars in boilers of FREDERICK by a Brazilian by the name of Santos. C.	612-2
		-1920-		
471108	1/19	Y & D 13	Copy of shipment order covering hot air furnaces from Army Supply Base Norf to Phila for.	
483850	3;24	Exp Sta TEST 1058	Metallographic examination of boiler tubes received from. To CO-Fwds copy of Exp Sta report test # 1058 . 3-27	
			1921	
551802	3;16	Pug Sd copy	Request renew fire room plate supports-submits estimates.Y To Pug Snd (T) Work authd cc C&R 3/16	

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N.S.E. Form 134.

280-10:FREDERICK: MAIN BOILERS:

Number.	Date.	From or To—	Subject.	
566593	5;23	C	Fwds sketches of evaporators showing test holes and repairs.Y Fwd Dept 6/25 RB 7/5 To S&A Reqst shipmt of Evaporators from Phila To Pug Snd 8054 7/5 CO-T-suggests Pug Sd have evaporators in readiness for assembly in ship upon arrival.Y-7;12 To Pug Snd Ask if shipment recd 1/11/22 RB 2/6 Y	
575677	7/20	To USS FREDERICK	Fwds blue prints on Evaporators. Yb D	
579561	8;1	Pac Flt	Report and samples covering repairs to boilers and evaporators will be fwded to Bu.Y	
587425	8;30 9;21	CO Pac Flt	Submits report covering capacity of evaporating plant.D Fwd Oprns 10/1	

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[OVER.]

1918

FREDERICK; MAIN BOILERS.

Number.	Date.	From or To—	Subject.
306119	5/10 5/11	CO Atl Cruiser	Fwds sections of boiler tubes for insp - failed under pressure - N To ATL FLT- Reqts fwd samples boiler tubes.5-14 Cruiser Force - 5-17 To U S Naval Academp Annapolis and C O Re boiler tubes for #10 boiler, 5-23 ~~Naval Academy~~ - 7/8 To Annapolis Academy-Advise when test report may be expected. 2-4-19 RB 2;20;19 Fwd Nav Academy 4/11 RB 4;16
307322	5-14 5-16	J A G Dept	Fwds report of Board of Investigation to inquire into failure of boiler No. 10. Y Fwd Dept. 5-17
289008			Shipment order 3/30 R B 5/21
303548		(Old number - other briefs evidently on Card 5 which is lost)	Shipment order 5/4 R B 5/31 To Atl Flt, Rqst inform re receipt of above 8-12 Transport force - 8/16 XXXXXXXXXXXXXXXXXX CO 9-18
317827	6;10 6;14	CO Atl Cruiser	Reqts job order be issued covering relaying of tubes, giving trouble due to leaking. Y

N.S.E. Form 134.

280 - 10 FREDERICK: MAIN BOILERS 1918

Number.	Date.	From or To—	Subject.	
318897	6-14	CO	Submits report of damaged #10 boiler and repairs to. Y	
318884	6-14 6-18	CO Atl Cruiser	Fwds specimens of crystalized tubes and nipples from No. 7 boilers at first opportunity. Y	
319817	6/21	Atl Flt	Reports on performance with 12 boilers under force draft in excellent condition. Dept - 6/21	
323549	6-27 7-2	CO Atl Cruiser	Fwds sample of 2 inch tube taken from boiler heater No. 7 - boiler can continue in operation without being retubed. Y To CO, No retubing of boiler #7, 7-8	
341843	8/12	Com Off FREDERICK	Grate bars Brazil type will test out on ship if rqsted to do so	612-2

4—3381

[OVER.]

FREDERICK: MAIN BOILERS

Number.	Date.	From or To—	Subject.	
258124	11-2	To S&A	Reqt shipt grate bars from Pug to Norf. Y	
260820	11-16	To S&A	Reqt shipt boiler material from Ports to Canal Zone for. Y CO gives list of material now on board 12-19 Fwd-12-24	
270583	1-2	To Norf	Spare boiler material. Lists material informed shipped from B&W. Report receipt. Y	
271574	1-7	To Ports Sup Officer	Spare boiler materials. Should be considered as available for issue to any vessel requiring it and for which it is suitable. Y	
274735	1/16	Ports	Request prints of boiler.D To- wds prints as reqted. 1-22	
288683	3/5	CO	Repair boiler water legs - Y	

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N.S.E. Form 134.

280 - 10 FREDERICK: MAIN BOILERS:

Number.	Date.	From or To—	Subject.	
289008	3-14	To Pug Sd	Tube sheets feed water heaters. Inform if are now at the yard. Y Puget Sound. D 3-22 To S&A- Reqt shipt Naval brass tube sheets from Pug Sd to Phila. 3-30 To Pug Sd- Reqts further changes be reported to Bureua. 4-1 Shipment order 3-30 RB 5-20	
291402	3-22	To CO	Boiler Nipple- Received with no letter. RB 4-23	
300585	4-13	CO	Repairs to smoke stack. Y To Ports- Auth renewal of entire lining of #3 smoke pipe. 4-23	
303348	5/4	To S&A Phone Cruiser Force. 5-6 To S&A	Reqts. shipt. of 10 headers, 2 side boxes, 600 boiler tubes, from NY to CO for FREDERICK Y (280) Reqts shipt. of 2 headers from Ports. to Com.Cruiser Force USS Atlan.Fl. for FREDERICK.	
303540	5-6	To CO (T)	Lists material to be shipped from NY and Ports and reqted fwd sample of worst tubes. Y	

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[OVER.]

FREDERICK: BOILERS

Number.	Date.	From or To—	Subject.	
258124	6-26	To Norf.	Re shipmt grate bars to N Yd Norf. Y Norf - 7/11	
289008			P Snd - 7/19	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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1914

Number.	Date.	From or To—	Subject.	
127338	5/18 6/3	CO Mare Is. 5681	Renew shells and heads of evaporators.Y To M.Is.appd.6/13. Fwd C&R.6/13.rb 6/16	
135950	9-28	CO	Install 2 additional distillers.Y Fwd M.Is-- For rec· 10/9 rbll.	
140018	11/11	CO	Reqt four new evaporators, distiller on circulating line, etc	280-8
140047	11/19	CO T	Time allowed for repairs insufficient for evaporator and refrig room work	280-8
140769	11-3	To M.Is. (T)	Additional distillers will not be installed; disappvl recommended. Y	
140769	11-30	M.Is T	Reqt telegrahic approval to install 2 additional 5,000 gal distillers.Y	
142562	12-14	CO	Reqt authority to turn in evaporator front and back. Y To Via M.IS-- Granted· 12/21	
142733	12-17 12-17	CO M.Is 13642	Estimate for supplying 1300 boiler tubes. Y To Via M.Is--Disappvs. 12/24	
M.Is recn 1002		To Dept.	Spare parts for B&W boilers,MARYLAND class; reqt material be purchased without competition from B&W. 3/20	

N.S.E. Form 134.

MARYLAND: MAIN BOILERS. 280-10

1915

Number.	Date.	From or To—	Subject.	
165590	9-4	CO	Reqt 2 additional distillers.Y Fwd Dept--Rec disap vl. 9/14 RB 9/16 To Via M.Is--Disappvl.9/16	
202103	9-15 10-6 10-10	CO Pug Sd Dept	Reports on condition of boilers; Dept has ordered inspection of.Y Fwd Dept--10/13 RB 10-16	
204441	10/27	Pac Res Flt	& SO DAK: recommends work on boilers be expedited; boilers on all other armored vessels in good condition; submits list showing thickness of headers and tubes required	408-10
208408	12/7	Pug Sd	Boiler material; lists that which can be supplied by M Is.Y	
			1917	
212334	1-23	PugnSd T	Request Bureau purchase tube sheets for feed water heaters; gives dimensions.Y	
217541	2-25	Pug Sd	Reports on condition of rider plating under boilers 13, 15, 11. Y	
250663	9/25	To C&R Ser 573-10	Reaggt of reserve feed water tanks. Recommendations D	573-10
255563	10-20	To S&A	Reqt shipt 1 front & 1 rear evaporators heads from Pug SD to Norf/ Y	

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[OVER.]

FREDERICK
MARYLAND: MAIN BOILERS.

1913

Number.	Date.	From or To—	Subject.	
90182	1-8 2-6	CO M.Is 71	Repair feed tanks.Y To M.Is.appd.2/14.	
90413	2/5	CO	Water testing set; requests authority to turn in old type.M To---appd.2/19.	
90415	1/8	C.O.	Submits estimates for repairing.	280--8
~~90354~~ 90354	12-24 2-6	CO M.Is 1609	Install manhole and plates for inspecting tops of feed tanks. D. Fwd M.Is. 2/17 RB 3-5	
90355	1/18	C.O.	Repairs to boilers, distiller, etc	280--8
90879	2/17	M.Is.	Submits estimate for repairs to feed water heater, f-d-blowers, etc	280--8
91149	2/11 2/17	CO M.Is. 1974	Renew brick tile, main boilers, and ash pans for same.Y	
93105	3-15	CO	Reqt. Bu. water testing outfit. M To---Set shipped Feb.12th from Norf to M.Is.3/24.	

N.S.E. Form 134.

MARYLAND: MAIN BOILERS.,280-10

Number.	Date.	From or To—	Subject.	
96134	1/6 4/17 4/30	CO M.Is. 359 C&R 27896-E.26	Re fitting umbrellas over fireroom hatches and attaching same to smoke pipes; disappr. recommended.Y To M.Is.approves closing of job order.5/12. Fwd Dept.5/12. RB 5-15 Ret C&R.5/15.	
96883	5/2	CO	Boiler safety valve settings. Request authority to allow remain at present setting of 285 lbs. Otherwise impossible to meet speed called for by Engineering Competition Rule.D (T)to M.Is.directs set safety valves 265 lbs.5/10.	
97930	5-21	New London M.Is.	Safety valves set at 265#. D	
109954	10/22	C.O. void.		
110224	10/22	C.O.	Change location of blowers, etc	280--8
		1914		
115228	11-28 1-13	CO M.Is 12935	Internal feed piping;main boilers;estimates.Y To M.Is.appd.1/19	
118032	2/13	M.Is.	Submits est . for alterations internal feed piping and scum pans	408-10
118818	2-28	M.Is T	Reqt Navy Yard install internal feed pipes all boilers. Y (T)to---authorized.3/2.	

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Number.	Date.	From or To—	Subject.	
44900	7/24 7/21	C.O. M.Is 6959	Recommends relocation of distillers.D. Fwd C&R. 7/31.	
45037	7/24	M.Is. 6994p	Boiler C; repair corner box. Y To---Appd. See 43855-280-8. 8/11.	
46318	8/9	C.O.	Reqt. floor plates in fireroom passages.Y (Enc.with 44987-280-18 to M.Is.10/9) RB 10-30	
46776	8/21	To Mass.	Condenser tube sheets; requests to be advised by Aug.25th as to whether shipmeht goes forward to Mare Island on sched.time.	280-8
47209	8/24	Mass	Turbines for f.d. blowers; reports inspection of/S.	
52171	8/9 M.Is	C.O. 10/23 10228	Install floor plates in fire room. Y Fwd Dept. rec appr 10/31. RB 11-2 a'ppd To M.Is.Appd.11/3.	
			1912	
No #	3-19		Recom re bids for headers for. & DENVER. R	
69493	4-22 5-8	CO M.Is 4523	Install hoods over smoke pipes,fire room hatches. D Fwd Dept via C&R. recom.5-24 RB 6-3 a'ppd To M.Is.appd.6/3.	

N.S.E. Form 134.

MARYLAND: MAIN BOILERS:ETC. 280-10

Number.	Date.	From or To—	Subject.	
69996	4-22 4-22	CO M.Is 5043	Repairs to feed tanks.Y	
70891	3/26	C.O.	REQT REpairs to feed water heater, etc	280--8
72462	6-15 6-28	M.Is C&R	Return galley pipe up inside smoke stack. Y To M.Is.work appd.7/3. RB 7-5 Fwd Dept.7/3. To M.Is.work authorized.7/6. Fwd C&R.7/6.	
No#	7-18	Fwd Dept	Reqm. 585 spares for B&W boilers; re award. R	
81805	9-18 10-22	CO M.Is	Reqt. renewal angle irons, fire room and ash expeller.Y	
88291	11-29 1-10	CO M.Is 399	Ash ejector;reapri.Y	
89177	12-19 1-23	CO M Is 1026	Renew boiler gaskets,main connection doors, steam drum lagging, and filling in pieces main boilers.Y	
89290	1-28	M.Is 1210	Renew 2" tubes, boilers 7,12 and 4 and insulate same. Y To---appd.3/20.	
89455	1-15 1-29	CO M.Is 776	Repair cross boxes boiler 9. Y	

280 -- 10 FREDERICK
MARYLAND: MAIN BOILERS: ETC.

1

FILE No.	From or To— (Dated)	Subject.	
32502 2/20	Pac.Flt	Fwds report of board on evaporators. Y Fwd M.Is. for recommendations 3/29. RB 5-8 To -- Copy of endorsement fwd.3/29. To M.Is. Recommendations auth.5/5. To -- Copy of letter to M.Is.fwd.5/5. Fwd Dept.5/5. RB 5-9 a'ppd To M.Is. States Dept's action. 5/10.	
38444 5/1	C.O.	Reqt repairs to: etc	280--8
42360 6/21 6/27	C.O. Dept	Re-tube main condensers. Y	
42969 7/6	Pac.Flt.	CALIFORNIA: condition of; states court of inquiry not necessary; same applies to MARYLAND.	147--10
43163 7/8	M.Is.	& CALIFORNIA: rports inspn of machy: work required on boilers, evaporators and condensers, etc	147--8
43775 7/17	M.Is T	Reqt. authority to change location of distillers from engine room to trunk over evaporator room. D (T)to -- Change apprd.7/18.	
43855 7/10	M.Is.	MARYLAND: submits estimates for valves for double effect evaporator plant, steam piping, ash ejector, evaporator feed pump, new distiller, evaporator shells, forced lubrication	280--8
44035 7/11	M.Is.	CALIFORNIA: report of Board. Maryland on Evaporators, etc	147--8

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Number.	Date.	From or To—	Subject.	
572516	6;29	CO T	Reqt spare magneto for use with VanBlerck engine be furnished Y Fwd S&A 7/5 RB 7/7 To USS FREDERICK Asks for specific inform 7/23 Y CO-T-reqt action-7;19-Y CO-T-magneto shipped from mfgr-7;23-Y To CO FREDERICK 8/12 To S&A- Fwds ref 8/19 Rh To CO Gives ~~detld~~ action taken cc Pacific Fleet - S&A 8/26 CO-fwds copy of reqn-8;17-R TO CO 10/12 Tracer Back 10/26 R	
585412	9/14	C&R	FREDERICK assigns 35' motor boat to M.I. Y	611-12
590338	10/18	To CO FREDERICK	Rqsts Motor dory registry number be corrected Ye	611-11
592837	10/31	To CO	Reqt number of steamer be corrected. Y	611-2
595269	11/2	Pac Train	Copy of letter to CO CONN directing transfer 40' motor barge 3442 to FREDERICK.	611-2
595612	11/7	Pac Train	Submits report on trans of boats between FREDERICK & CONN. Y	611-2
592837	11/9	CO FREDERICK	Gives registry numbers of power boats Y	611-1
596613	11/3	Pac Train	Copy of letter to FREDERICK directing transfer boats listed to CO CONN Y	611-2

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FREDERICK: AUX MACH 1921

Number.	Date.	From or To—	Subject.	
596712	11/19	C&R	Copy of letter to CO FREDERICK directing turn in 40' motor barge 3442 at Pug Sd when vessel goes out of commission Y	611-9
599498	12/8	C&R	Copy of letter to CO FREDERICK in conn with turning in 40' motor barge 3442 at M.I. Y	611-13
610564	2/18	C&R	Copy of letter to M.I. rel to boats on board FREDERICK going out of commission Y	611
610565	2/18	C&R	Copy of letter to CO NEW YORK authg 611 turn in 50' steamer 5438. M.I. will trans 35' motor boat 2359 from FREDERICK to NEW YORK Y	
620282	4/24	C&R	Copy of letter to M.I. rel to boats for FREDERICK Y	611-2

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N.S.E. Form 134.

FREDERICK: AUXILLARY MACH:

1919

4

Number.	Date.	From or To—	Subject.	
389959	To CO	FREDERICK 2/4	Asks correction of recorda re engine 3505 instead of 2256 as rep rtes	611-2
NSA 432/19 2-8		To COMMANDING OFFICER	Asks fwd survey covering material for re replacement of which reqst was sub-	req
397847	2/12	CO FREDERICK	Submits rep~~y~~ on opration of, pumps for power boats in parralel D&S	611-4
416767	5/7	C&R	24' motor sailing launch 8212 will be issued to PRINZ FREDRICH WILHELM Y?	611-2
435076	7/24	C&R	35' motor boat 2422 temporarily assigned to FREDERICK: Y.	611-2
453728	10/23	C&R	Copy letter to NY assigning 36' motor ambulance boats 7374 & 7375 to Hospital Ship #1: in conn with ambulance boats for MERCY & FREDERICK: Y.	611-2
473711	2/3	To FREDERICK	Steamer 1988 engine boiler number Y	611-1

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FREDERICK: AUXILIARY MACHY 1920

Number.	Date.	From or To—	Subject.	
495064	5/21	C&R	Copy letter to Phila & Norf assigning boats to FREDERICK: Y	611-2
497464	6/2	Norf	40' steamer 1442 will be shipped to FREDerick; Y	611-1
515615	~~9-3~~ Aug ? Sept	Norf	FREDERICK steamer 1442 assigned Y	611-1
525405	10/25	C&R	Copy letter to Phila in conn with 40' motor barge for FREDERICK; Y	611
535461	12/17	Phila	Ask if Bureaus record show number of boiler installed in 40 ft steamer 1093 turned in by FREDERICK. Y	611-1
	1921			
552446	3/9	C&R	Copy let to Pacific Train in conn with transfer of 21' Motor Dory 8574 to GLACIER for further transfer to FREDERICK Y	611-11
556347	4/8	C&R	Copy letter to Puget Sound disapproving issue 35' Motor Boat to CO FREDERICK to replace 40' steamer Y	611-12
559559	4/16	CO FREDERICK	40 ft steamer 1442 will be retained on board. Y	611-1
563914	5/17	To CO FREDERICK	35' motor boat 14798- ~~engine number Y~~	~~611-12~~
FREDERICK 55/21	5-19	To CO	Power boat material- gives instructions if in excess- YR	

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FREDERICK

MARYLAND: AUX. MCHY.

1916

3

Number.	Date.	From or To—	Subject.	
202027	10/11	C&R	Steamer 1988 transferred from SO DAK to	611-1
			1917	
212711	1-27	To FREDERICK	If steamer 1988 is on board, directs submit information re boiler and engine/ If not on board, asks disposition.	611-1
212977	1-25	CO	Request authority to turn in 2 keel condensers; 40' steamers.Y To via Pug Sd--Grants auth. 1/31	
220915	3-30	FREDERICK	Reports turning in of steamer 1071, W eng 1206 and boiler W 16.	611-1
224756	4-20	FREDERICK	Reports receipt of motor boat 2859, engine 3656	611-2
231937	5-16	Pac Flt	Gas motors, 2 cycle, 2 cylinders, in motor sailors; fwds ~~shipt~~ complaint from, recommends be abondoned in favor of 4 cycle.	611-4
~~242346~~	~~8-1~~	~~Pug Sd~~	~~Motor sailing launch 2929 delivered Pitts 2930 delivered FREDERICK, both without engines rec be installed on East Coast Yd and that no changes in shipt of engines to Pug Sd be made.~~	611-2
~~243967~~	~~8/15~~	To PITTSBURGH	~~Engine motor sailing launches 2929 and 2930, PITTSBURGH & FREDERICK will be shipt for install ship's force if desired.~~	611-2
249728	9/18	S&A	PITTSBURG & FREDERICK: PUEBLO: patterns for erosion plating for ash expellers from Pug Sd to Norf by express.	342-11
~~261916~~	~~10/25~~	~~Co FREDERICK~~	~~Asks correct # engine motor sailing launch 2930~~	611-2

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N.S.E. Form 134.

FREDERICK: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
278683	2-1	S&A	Directs shipment of a 36' motor sailing launch to the FREDERICK. Y	611-2
290886	2-15	USS FREDERICK	Motor sailing launch engine; complains of arrangement of water tanks for cooling systems. D.	611-4.
293363	3-28	C&R	Assigns motor sailing launches C 866	
294573	4/2	Frederick	Assigns 36' motor sailing launch	611-2
297052	4/11	C&R	Bridgeport Supply Frederick New Jersey assignments 36 ft motor sailing launches for.	611-2
303853	5/6	To S&A	Reqts shipment from NY to FREDERICK for motor boat engine.	611-2
299813	4/20	C&R	FREDERICK-assigns motor sailing launch C-870.	611-2
354887	9:26 10;1	CO. At. Cruiser	Request re-arrange complete wiring installation and battery storage of Captains speed boat Y&D To Ports, authorized to perform work, 10-5	

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[OVER.]

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FREDERICK
MARYLAND: AUX MACHY

2

1913

Number.	Date.	From or To—	Subject.	
Sur 152	9-10	TO Dept	Disap turning in engines ,etc. Y	
107363	9/22	Alas.Coal Exp.	Receipt of motor sailing launch 208 turned over to Maryland	623--15
No #	11/5	To Pug.Sd	Power boat machy for Expedition, Survey #65-1/2. If engines 3245 or 3246 not procured, directs number 3245 be secured to Corliss engine makers number 1334.	623--15
119729	3/12	To M.Is.via MARYLAND	Steamer 840 condemned for sale: type M engine 948 and Ward G-2 sq. boiler 1920 assigned to issue.	611-1
121311	3/14	MARYLAND	Reqt assignment of 36' steamer 422, eng 46 0,boiler 1911	611-1
121677	4/6	C&R	MARYLAND: auth transfer steamer 958 from PITTSBURG to replace 840	611-1
124 094	4/28	M. Is.	Reports installation of gasoline engines 2210 in motor sailing launch 1367	611-2
140018	11/11	CO	Alterations, jacking engines, etc.	280-8
Sur 15	4-13	To M.IS.	Davidson feed pumps in steamer 1071: appvs rec to sell. Y Fwd CO-- 4/13	
160263	7-9	Norf	2499 shipped for	611-2

1914

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N.S.E. Form 134.

MARYLAND: AUX. MCHY. 280 — 11

Number.	Date.	From or To—	Subject.	
162442	8/3	C&R	40' steamer 1442 issued to replace 958	611-2
162442	8/4	To M Is via CO	Steamer 958 condemned; type M engine 1173 and Ward G-2 sq boiler 1978 assigned to issue	611-1
166891	9/10	M Is	Reports receipt of M engine 1173 and G-2 boiler 1978 ex-steamer 958 MARYLAND for survey	611-1
			1916	
176942	1/15	M Is	Steamer 1442; have installed engine 1060, Ward boiler 2109	611-1
181965	3/14	SOUTH DAKOTA	Transfers steamer 1440 and 1988 SOUTH DAKOTA to MARYLAND	611-1
182998	3/21	CO	New type 40' steamers; certain parts machinery differ from old type, making spares obsolete	611-3
183359	3/31	C&R	Transfers steamers 1440, 1988, 1259 between PITTS, MARYLAND, SOUTH DAKOTA	611-1
183350	3/31	C&R	Assigns motor boat 2859	611-2
184670	4/14	C&R	Transfer of boats with SOUTH DAKOTA	611-2
187051	5/6	Pug Sd	Reqt authority to assign sailing launch 744 to be fitted with engine	611-2

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FREDERICK
MARYLAND: AUXILIARY MACHINERY

1

Number.	Date.	From or To—	Subject.	
45376	7/29	C.O.	Reqt repairs to engine of steam cutter	280--8
44995			Request to alter design of steering engine. D Fwd C&R. Und r cog. of. 8/1.	
50068	9/23 9/26	C.O. M.Is 9400	Make differential valve for steering engine. Y Ref. C&R 10/4	
66242	4/6	M.Is.	Revised estimate for repair launch engine 537, Maryland	611--1
67279	4/26	To	Cutter 837, log showes numbers of boiler & engine transposed.	611--1
70761	5-26 5-39	CO M.Is	Reqt. repairs to condensers, engines, boilers, of boats. Y	
71019	6/5	M.Is.	BOATS: reports shipment Ward boiler 2042 to	611--1
75757	8/5	M.Is.	Reports receipt of Ward boiler G-2 sq # 1899 from the- for survey	611--1
80616	10/21	To	Steam log lists Ward G-2 sq boiler 1899 installed in steamer 837, Bu's record shows #2042 in this boat and 1899 at M.Is.	611-1

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N.S.E. Form 134.

MARYLAND 280--11

1913

Number.	Date.	From or To—	Subject.	
90928	2/13	M.Is.	Recommends gasoline engine 2099 now in store be assigned to launch 1233 in order to issue to:	611--2
93429	3/20	M.Is .	Engine 2099 installed in 1223	611--2
96098	4/29	Maryland (T)	Reports wreck of steam launch(No #)	611--1
96450	4/28	M.Is.	50-ft steamer 1071 assinged MARYLAND to replace 40-ft steamer 892, gives types of engines and boilers also/	611--1
97958	5/6	C.O.	Approves retaining 40' steamer 892, steamer 1071 to be regarded as replacing 837 lost	611--1
No #	6/26	To Pug.Sd.	Class B Report No.117; item 2 purports to cover engine of steamer 837, while number given is that of boiler; request information.Y	
104160	8/22	M.Is.	Reqt auth. to issue type CC 2157b to 36' sailing launch	611--2
104755	8-23	CO	Reqt. authority to turn in condenser, engines, air pumps, not required on board since loss of steam launch.Y	
		Fwd CO reconcile statements 9-30 To CO.request reply.11/1	Ret -- gives bu record 9-15	
104834	8/26	M.Is.	Reports installation of engine 2157, motor sailing launch 1223, removal of 2099	611--2

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918

FREDERICK: CONDENSERS.

Number.	Date.	From or To—	Subject.
275082	1-14	Ports	& HUNTINGTON, main condensers, retubing of; submits estimate; gives quantity of material on hand available. Y To- Not to be retubes until samples are on hand 1-21 To CO- all immediately samples of worst condenser tubes. Pending receipt tubes will not be auth retubed. 1-21 CO Fwds sample condenser tube. 1-22 - Y To- Main condensers not to be retubed. 1-28
303993	5-6	To CO	Caondition of main condensers - Desires further information re condition of. 5-6 Y CO - 5/26 - Y ~~Fwd Ports, 6-3~~ RB 6-13

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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280--12
FREDERICK
MARYLAND: CONDENSERS

Number.	Date.	From or To—	Subject.	
42360	6/21	C.O.	Re-tube main condensers	280--10
43852	6/21 7/11	C.O. M.Is 6530	Reqt. re-tubing and new tube sheets; Y Fwd Dept. Rec appr.7/18. R B 7-19 a'ppd (T)to M.Is. Appd:7/20.	
44761	7/28	M.Is T	Mian; require new tube sheets and partial retubing.Y Fwd Dept.Reqst purchase 729 R B 7-31 a'ppd (T)to Taunton-New Bedford Co.Reqst price and time for furnishing.7/29.	See below
44902	7/29	M.Is T	Circular condenser tube sheets; can be installed $300. Sheets can be scarfed here. Y	
44761		See above	(T)to M.Is.Bu will expedite tube sheets; asks if circular sheets can be installed. 7/29.	
44964	7/29	Taunton-New Bedford Copper Co.	Condenser tube sheets; quotes price. Can have ready for shipment 25 days from receipt of order. Fwd Dept.Fwds reqn.74 to cover; rec shipment by fast frt.7/31. Fwds copy of corres. with S&A by mistake.7/31 Ack. rect. of order. 7/31 To Mass. directs inspection.8/3. (T)to Mass. de- [illegible]	
45215	7/31 8/2	M.Is T Dept	Estimates 45 working days after delivery of tube sheets; Dept. directs work in shifts to reduce time; other work that can be completed during condenser repairs authorized. Y	
45520	8/14	Mass	Condenser tube sheets; recommends reduction in requirement of tensile strength.S	

NB—0120

N.S.E. Form 134.

MARYLAND: CONDENSERS: 280-12

Number.	Date.	From or To—		Subject.	
46964	8/23	Mass	T	Condenser tube sheets; reports tensile strength, elongation and recommends accept.S (T) To Mass. Deficiency waived 8/23 (T)to---Asks if all four tube sheets have been shipped.8/26.	
47257	8/26	Mass	T	4 tube sheets shipped aug. 25. Y Fwd Dept. 8/28. RB 8-30 a'ppd Fwd M.Is.Reqst report by wire when sheets are received; also date of completion of work.8/30. TO M.Is.(T)Reqt.inform. as to.9/18 RB 9-2	
47437	8/24	M.Is	8146	Completion of repairs dependent upon receipt of condenser tube sheets.Y	
47788	8/23	M.Is	810	Repairs to main condensers.Y. Ref. Dept. approved 9/5 RB 9-7 a'ppd To M.I. approved 9/7	
48898	9/18	M.Is	T	Tube sheets for condensers arrived.Y Fwd Dept 9/19 RB 9-22	
48~~8~~912	9/19	M.Is	T	Tube sheets received; probable date of completion Nov.1st.Y Ref. Dept. 9/20 RB 9-23 - ref. M.I. expedite 9/25 RB 10-9	
50319	9/27	M.Is		Condenser sheets; work progressing rapidly.Y	
				1912	
84593	11-27	Pac.Flt		Report of accident to main condenser.Y	
				1913	
90415	1/8	C.O.		Main & Auxy, submits estimates for repairs	280--8

NB—0120

[OVER.]

FREDERICK

MARYLAND: HEAT: VENT REFRIG.

1915

Number.	Date.	From or To—	Subject.	
150700	3-26	Med & Surg	Ice machine; larger necessary; trouble experienced with ice machine and cold storage.Y	
		1917		
227600	5/3	CO	~~Ice machine~~ - reports ~~on~~ efficiency of after alterations and requests installation of ~~thermometers~~ Y To--Disappvs.5/15	
			1918	
300584	4-13	CO	Reports on performance of ice cream freezers electrically driven and connected with the ice machine. FWd C&R 4-25	
471108	1/19	Y&D	Copy of shipment order covering hot air furnaces from Army Supply Base Norf to Phila for.	280-10
472289	1/26	M&S	Fwds sanitary report on PUEBLO & FREDERICK; D&Y	
507238	7;22	CO	Submits detailed comments on icemachine lubrication requesting authority to purchase Gargoyle arctic oil for.D&R	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

FREDERICK
MARYLAND: HEAT: VENT: & REFRIG. SYSTEMS.

Number.	Date.	From or To—		Subject.	
44762	7/28	M.Is	T	Recommends Ice machine be discarded and machine for GLACIER be installed.Y RB 7-31 app Fwd Dept.Rec disapproval.7/28. (T)to -- disappd. See 44761-280-12. 7/29.	
45187	8/2	M.Is	T	Ice machine; states cannot reduce estimate and make satisfactory work; reqt. authority to proceed.Y (T)to --Authorized.8/3. Fwd Dept.Reqst appr.8/3. RB 8-5 appd	
45690	7/19 7/29	C.O. M.Is	7250	Recommends blowers for evaporator room be moved to berth or gun deck. D Fwd C&R. Noted.8/9.	
45691	7/20 8/2	C.O. M.Is	7324	Reqt. authority to turn in old steam radiators.Y To M.Is. Appd.8/8.	
45871	7/31	M.Is	7260	Dense air ice machine; report of board of inspection; submits estimates for repairs.Y	
51698	10/11	C.O.		Reqt. authority to turn in steam radiators discarded due to changes in blkhds,etc.Y-D Ret---Reqst number proposed to remove, and reasons for so doing.10/24. RB 11-25 To--Appd.11/27.	
				1912	
70891	3/26	C.O.		Reqt repairs to ice machine, etc	280--8
89461	1-16 1-29	CO M.Is	739	Repair cooling cool scuttle butt.Y	

NB—0120

N.S.E. Form 134.

MARYLAND: HET:VENT: REFRIG. 280-13 1913

Number.	Date.	From or To—		Subject.	
90146	1-5 2-3 2-12	CO M.Is C&R	 273 27896-E.19	Cold storage spaces; alterations in. D. (T) to M.Is. auth. 2/17 see 90145-147-13 Ret C&R.2/17.	
90415	1/8	C.O.		Submits estimates for repairs, ice machine/	280--8
91683	1-3 2/26	CO M.Is		Overhaul lagging on insulating cold storage compartments.L Fwd C&R.3/6.	
109954	10/22	C.O.		Reqt additional 3-ton ice machine.	280--8
110224	10/22	C.O.		Alterations, additional 3-ton ice machine	280--8
111434	11/14	C.O.		Reqt addition of 3 ton ice machine,	280--8
				1914	
140018	11/11	CO		Reqt ice machine	280-8
140047	11/19	CO	T	Time allowed for repairs insufficient for evaporator and refrig room work	280-8

NB—0120

[OVER.]

FREDERICK: PROPELLERS: SHAFTING. 1919

Number.	Date.	From or To—	Subject.	
382625	1/2/19 1/4	CO Atl Cruiser	Lists report of work performed on shaft at Norf - Y	
383694	1;2 1;4 1;9	CO At Cruiser Dept	Reqst. examine propeller nuts and blade bolts - remove shaft and examine etc Y Fwd Operations. 1-16	
501152	6;17	Phila	Submits propeller report.Y Fwd Phila 6-24.RB-7;2-Y	
530144	P1-20	Phone to Phila	Reqst one section of crank shaft listed be not shipped to West Coast cc S Phila- CO 11-20 To Phila Gives inform cc-C-S Phila 11-20 Phone to Phila Gives instrns re shipmt of mat 11-20	
532343	11;30	Norf	Confirms telephone conversation in connection withspare crankshaft sections and propeller blades to be placed on board.Y	
534551	12/10	Norf	Requesting job order to secure two crankshaft and 4 propeller blades on board. Y	280-8

4—3381

N.S.E. Form 134.

280-14: FREDERICK: PROPELLERS: SHAFTING:

Number.	Date.	From or To—	Subject.	
~~577295~~				
560295	4;26	S&A	Copy of letter to Dept stating spare propeller shafting etc fwded to Pug Sd.Y	
561482	4;28	Pug Sd	Propeller report.Y	
564522	4;11 5;17	Pug Sd Ord VOID	Submits estimates covering connecting Ford range converter to director firing system-L	

FREDERICK ~~MARYLAND.~~ PROPELLERS: SHAFTING.

Number.	Date.	From or To—		Subject.	
				1914	
137310	10/17	CO	T	Reqt old propellers be shifted	623-15
138187	10-24	M.Is	11500	Reports installation of old blades; gives ptich. Y	
				1915	
160670	7-15	M.Is	T	Propeller blades; reqt authority to use certain Nassau manganese bronze in store.Y To--(T) Was Nassau bronze delivered on guaranty to prove satis when used in foundry; if so disappvd. 7/16 M.Is (T) replies 7-17 To--(T) Use Nassau bronze. 7/19	
				1917	
217192	2-28	CO		Recommends vessel take 2 spare propellr blades on board whensailing from Pug Sd.Y Fwd Dept--Concurs.3/8RB 3-12 To Pug Sd--Gives action.3/12	
258386	11-3	To CO		Special engineering material shipped to Canal Zone/ Twds Trsts.	147-14
260825	11-16	To S&A		Reqt shipt 3 spare port and 3 starboard propellers blades from NY to Boston. Y	
288097	3-9	Ports.		Outboard bearings; states stern tube will not require rewooding. Y.	280-8.

280 — 14

N.S.E. Form 134.

FREDERICK?:PROPELLERS: SHAFTING.

Number.	Date.	From or To—	Subject.	
322622	7-3	To S&A	Rqst shipmt patterns from P Sd to Phila, Y To Pg Sd Via S&A Rqst inform re receipt of above shipment, 8-3 Shipment order 7-3 back 10;4 S&A - 11/23	
322621 Fwd S&A 10-28 Shipment	7-5 order 7-22	To Pg Sd/ back 11-29	Unable to identify patterns for propeller parts Y Puget Soudn 7-13 To S&A Rqst shipmt patterns Pg Sd to Phila 7-22 To Pg Sd Via S&A, Rqst inform re shipment, 8-17 To Phila, gives inform re shipmt of pattern 10-16 Phila. Oct. 23	
337697	8/1 8/13	CO Atl Cruiser	Request rewooding hangar and strut of port propeller shaft - Y Fwd Ports, Via Atl Flt, 8-17 To Portsmouth 8-17 RB 9-4	
355488	10/4	Ports T	CO requests composition tap bolts in end propeller blades be removed for replacement by steel bolts - Y To Ports (T) Authorized to retain composition bolts 10-5	
375298 Norf. reports on shaft 12:26 CO - fwds report of work performed -3/2 Fwd Operations.	12-6	Operations dondition of pt prop. Norf. 12:26 3-10 RB 3;12	Arrangments made to dock at Norf. to examine port propeller shaft Y To Norf, re condition of port propeller shaft, 12-7 Phone Norf- Re trueing of bearing sleeves 12-20 Operations-C& -C & T Force- CO To Norf- Does not consider necess to obtain new inboard coupling for 1/3/19	
379719	12-18 12-21	CO Fred. Atl.	Submits detail report on conditions found on examination of port propeller shaft Y 1/6 Fwds.contents noted	

NB—0120

[OVER.]

280 -- 14 FREDERICK
MARYLAND: PROPELLERS: SHAFTING:

FILE No.		From or To— (Dated)		Subject.	
34589	3/7 3/24	Pug.Sd C&R	778 16594	Estimate for minor repairs to.Y Fwd Dept. Rec apprd 3/25. R.B.apprd.3/30 To Puget. apprd 3/31. Ret C&R 3/31.	
				1912	
70707	5/29	M.Is.		Overhaul sea valves, examine propellers,etc	280--8
76807	6/28 7/29	CO Pac.Flt.		Reports no spare propeller blades on board.Y	
82170	9-18 10-28	CO M.Is	10097	Overhaul shaft propeller and stern tube.Y To--M.Is. auth. 11/12 Fwd C&R 11/12 R.B 11-16	
				1914	
121328	3-27	M.Is	3170	Blades; reports one stbd broken off at tip; spare on hand less diameter and pitch than those installed.Y To---approves action.4/6.	
132795m	8-10	CO		Req docking and re-installation of propelling blades.Y Fwd C&R--Letter ref to not recd in Bu. 8/25 To-- Req copy of letter. 8/25	
133983	9-2	M.Is	8992	Porpeller blades; damaged; fwds sketch showing aerea repaired by burning process.Y To-- Instructions. 9/17	

NB—0120

FREDERICK
MARYLAND: PIPING SYSTEM

1914

Number.	Date.	From or To—	Subject.	
140018	11/11	CO	Renew air lines to compressors, distiller on circulating lind, etc	280-8
			1915	
159579	6-23	Co	Install steam line from ice machine line to paint lockers for fire extinguishing purposes.Y Fwd C&R-- For comment. 7/7	
		1918		
330014	7-19 7-23	CO Atl Cruiser	Request renew "T" in ash ejector lines. Y	
358636	10;3 10;13	CO At Cr	Req. change point of entry to main condensors of main cylinders Y Fwd Ports,10-19 back Dec. 9 Ports - fwds print - 11/13 - Y To Ports. Re proposed relocation of main engine cyl.drains to main condenser 12-13	
360006	10;11	CO	Install additional piping and radiatorL Fwd Ports,10-21 To Ports(T),rqst installation radiators10-21 back Dec. 6	Y

NB—0120

N.S.E. Form 134.

280-25: FREDERICK: PIPING SYSTEM:

Number.	Date.	From or To—	Subject.	
558817	4;15	Pug Sd	CO requests re~~[illegible]~~seat and make tight main aux steam line slip joints and valves.Y To Pug Snd Work authd cc Pacific-CO 4/22	

NB—0120

[OVER.]

280 -- 15
FREDERICK
MARYLAND: PIPING SYS.

2

1912

Number.	Date.	From or To—		Subject.
81507	10-23	M.Is		Repair holes in stbd discharge piping.Y
81618	11-1	CO	T	Reports section exhaust piping split; asks new section be sent San Diego. Y (T)to M.Is.instructions.11/4.
83063	11-14	M.Is	10617	Renew section aux. exhaust line. Y
83701	11-25	Dept		Report of board on rupture to main line ex auxiliary exhaust Y Ret---11/30.
84040	11-30	Dept		Report of board of investigation on breaking of main auxiliary exhaust line.Y Ret---12/3.
84904	10-21 12-4	CO M.Is	11269	Repair overboard discharge pipe from aux. condenser. Y
				1913
87316	11/21 1/2	CO M.Is.	6	Alter steam piping in lower dynamo room to bring reducing valves further away from dynamo engines.D (T)to M.Is.appd·1/13.
90591	2-9 2-10	CO M.Is	1769	Renew suction piping for flushing pump.Y To M.Is.appd.3/21.

NB—0120

N.S.E. Form 134.

MARYLAND: PIPING SYSTEMS. 280---15

Number.	Date.	From or To—		Subject.	
91147	2/11 2/17	CO M.Is.	1971	Renew auxiliary suction line to feed pump under No.10 boiler.Y	
92049	2-20 ?	CO M.Is	2368	Install new section aux. steam line in evaporator room.Y	
92102	12-26 3-1	CO M.Is	2635	Fit flanges on aux. exhaust piping.Y	
92380	3-3 3-5	CO M.Is	2819	Repair suction piping.Y	
92724	1-20 3-7	CO M.Is	1000	Repair fresh water line to double bottom.Y	
93213	3-2 3-14	CO M.Is	2818	Re lag piping.Y	
96868	4/9 5/8	Mare Is. C&R	27896-E.24	Incidental piping work in connection with water heater in barber shop.Y Fwd- C&R- 5/12	
103907	8/10	C.O.		Alterations to piping.	280--8
120429	3-13	M.Is	2697	Alterations to fire and bilge pump, suction piping: fwds print; and est change in weight.Y M.Is (T) rect action 3-28 (T) to M.Is.appd.3/30.	

NB—0120

[OVER.]

280 -- 15 FREDERICK
MARYLAND: PIPING SYSTEMS:

FILE No.		From or To— (Dated)	Subject.
33081	2/27 2/28	C.O. Pug.Sd	Repair aux. exhaust piping. Y
45273	7/27	C.O.	Reqt. grease extractor main feed line.D.
46624	8/18	M.Is T	Reqt.approval fo installation on grease extractors in hot well pump discharge line feed water heaters. Y Fwd Dept. Recst appr.8/19. RB 8-21a'ppd (T)to---Authorized.8/18.
46926	8/16	C.O.	Reqt. repairs to dynamo and ice machine piping.Y
47094	8/24	C.O. T	Reqt. authority to pack steam piping and slip joints with Garlock. Y (T) to M.Is. Garlock packing disappd.8/25.
47310	7/27 8/14	C.O. M.Is 7706	Install grease extractor in hot well discharge line.Y Fwd C&R. 8/29.
47744	8/15 8/24	C.O. M.Is 8205	Repairs to steam piping for dynamo engine and ice machine.Y Ref. Dept. approved 9/5 RB 9-7a'ppd To M.I. approved 9/7
49327	9/15 9/12	M.Is C.O.	Repairs to steam and exhaust pipe to ice machine, etc.Y Ref. Dept. approved 9/27 RB 9-29a'ppd To M.Is.-Action confirmed.9/30.

1912

NB—0120

280--17
FREDERICK
MARYLAND

COAL HANDLING & STOWAGE - bunkers, trolleys, etc.

FILE No.	From or To— (Dated)	Subject.	
28553 12/29	C.O.	COAL TESTS: fwds sample of Black diamond	623--2
32011 2/14	C.O.	COAL TEST: fwds sample of Occidental coal taken from coal being tested	623--2
33546 3/1	Maryland	COAL TEST: fwds sample of Black Diamond	623--2
		1912	
		1913 1914	
121685 4-17	CO	Coal;reqt cans for shipping samples to S&A. F TO -- fwds 4-20	
	1918		
312097 5-28	CO	Fwds package of coal with comments of difficulties experienced with. F To Norf. Fwd sample of coal, and rqst comments on analysis of same, 6-5 No F - 6-15 To Norf, Re quality of coal supplied, 6-20 Norf - report of analysis of coal submitted 6/24 - 6/25 - F	

NB—0120

Number.	Date.	From or To—	Subject.	
319683	6-22	Fleet	Recommends installation of oxy-acetylene cutting torch.	
323144	6-10 7-3	CO Navigation	Oxy-acetylene cutting torch - submits information re outfit and men to handle for battle repair party. Y To CO, amending S E Allow Changes 7-6	
350482	9/19	CO T	Request authority to turn in oxy -acetylene installation welding outfit - RA To CO, (T). Rqst number of welding outfits on board, 9-20	
370603	11-21	To CO	Reqted informa regarding lathe&its whereabouts, Y CO 12;3 lathe received 10£26	
372212	11;20 11;24	Ports C&R	Submit shop alteration. submit plan estimates D&Y C&R req. ret. of brass. 12;10 Fwd. C&R 12-10 To C&R Quotes comment included in SE 2nd endorsement 12-14	

280-18

N.S.E. Form 134.

1920

FREDERICK: MACH TOOLS ETC.,

Number.	Date.	From or To—	Subject.	
BQ 931	1/19	Phila	Hack Saws-FREDERICK & CAMDEN-no record of requisition S	629-1
501169	8-23	To Comdt Phila SEE 8	Material inspection- estimates for work under the cognizance of the Bureau. Y copy CO	
		1922		
603061	1/4	MI (T)	Request removal of machine shop tools- subm estimates- recommends be not removed. Y To MI (T) do not remove machine tools from ship 1/6/22	

4—3381

[OVER.]

280 -- 18
FREDERICK
MARYLAND: MACHINE TOOLS, ETC.

Number.	Date.	From or To—	Subject.	
44987	7/25	C.O.	Repairs to motor lathes.Y Fwd M.Is.Reqst report of any work done. RB 10-30	10/9.
51258	10/9 10/10	C.O. M.Is 9298	Repairs to engine lathe. Y	
53636	10/9 10/10	C.O. M.Is 9798	Speed gear for lathe.Y 1912	
83700	10-18 11-18	CO Pac.Flt	Foundry for; submits estimate and sketches of what is desired.D Fwd C&R.Location satisfactory.12/13. RB 2-25 Fwd Dept.3/1. RB 3-5 To CO via M.Is. Proposed installation disappd.3/8. Fwd C&R.3/8. RB 3-12 1913	
92067	2/21	C.O.	repairs.	280--8
109954	10/22	C.O. 1914	Reqt additional ice machine, install foundry in blacksmith shop,etc	280--8
117747	2-9	CO	Ships foundry; reqt authority to turn in flasks. Y To---via M.Is.authorized.2/17. MARYLAND; received 3-9 Fwd M.Is 3-17 RB 41	

NB—0120

N.S.E. Form 134.

MARYLAND: MACHINE TOOLS. 280-18

Number.	Date.	From or To—	Subject.
120711;	3-14	CO	Regt authority to turn in hand drill press in access of allowance and never used. Y To---via M.Is.appd.3/25.
		1917	
248931	6/13	CO	Reports on repair facilities on board - Y
279341	1-18-2-5	Norfolk S&A	Relative to supplying high-speed tools. Y. Fwd S&A 2-14
		1918	
313098	5/9	CO	Request a power hack saw- Y
315626	6-10	CO	Oxy-acetylene cut torch equipment for battle repair party - submits comments re necessity for. Y

NB—0120

[OVER.]

280-19

FREDERICK: PUMPS:

Number.	Date.	From or To—	Subject.	
555282	3;29	Pug Sd	Submits estimates covering reboring steam and water cylinders of pumps.Y To Pug Snd Work authd as listed cc CO 4/6	
555283	3;29	Pug Sd	Estimates covering repairs to pumps.Y To Pug Snd Authd cc CO 4/5	

4—3381

Number.	Date.	From or To—	Subject.	

280 -- 19
FREDERICK
MARYLAND: PUMPS:

1913

Number.	Date.	From or To—	Subject.	
90084	1-24 2-4	CO M.Is 1166	Alterations to foundations bilge pumps.D (T)to M.Is.Work appd.2/12. Fwd C&R.2/12. RB 2-15	
90883	2-1 2-17	CO M.Is 1890	Install vertical simplex pump for use gas analysis testing outfit. Y	
90879	2/17	M.Is.	Submits estimate for repiars to pumps,etc	280--8
92273	11-6 3-5	CO M.Is 2749	Repair flushing pump.Y	
92376	1-21 3-5	CO M Is 1011	Repair main air pump.Y	
93114	3-14	M.Is	Evaporator feed pump; install new Worthington; impracticable to repair old.Y	
109513	10-18	CO	Reqt. authroity to turn in oil pump.R TO -- appvd 11-6	
109954	10/22	C.O.	Change auxy feed pump to a low duty ballast pump.	280--8
111434	11/14	C.O.	Reqt ~~and~~ convert aux. feed pum in fire room to low duty ballast pump.	280--8

NB—0120

N.S.E. Form 134.

~~MARYLAND~~: PUMPS 280 -- 19

1914

Number.	Date.	From or To—	Subject.	
120429	3/13	M. Is.	Alterations to fire and bilge pump, suction piping; fwds print and est change in weight	280-15
122230	4-4	CO	Circulating pump for ice machine; reqt authority to turn in plunger not required. Y To---via M.Is.appd.4/14.	
			1915	
167917	10-4	M.Is	Reqt print of main feed pump.D	
272672	12/16	CO	Replace two Hermes ejectors with double acting pumps. Fwd Dept(Operations)- 1-12 R B 1/16 To- Dept disappvd alterations reqted. 1-17	
290408	3/18	CO	Request transfer of pump now in store Portsmouth to replace pump worn out.Y	
302859	5-2	Phone Norf-	Replacement of sanitary pump-Bu stated that Vessel had reqted alterations. Id stated would investigate and inform Bu. Y Co. Frederick reqts. authority of Bureau necessary material covering replacement of sanitary pumps. Y C & R - Power construction Ports. Y 6;10	

NB—0120

[OVER.]

280--19 FREDERICK
MARYLAND: PUMPS: general

FILE No.		From or To— (Dated)	Subject.	
35011	3/30	To Boston	& WEST VIRGINIA: etc. pumps for forced lubrication to be manufactured at.	477--19
37932	5/3 5/4	Blake Mfg.Co.Geo.F Mass 3385-21	Evapora or feed plant; reqt. defective analysis be waived. S Ret Mass. Auth.acceptance.5/8 RB 5-25	
42191	6/6	Pug. Sd	CHATTANOOGA: rel to transfer of feed pumsp to Maryland, and replacement of	154--19
43232	7/11	To M.Is. T	& WEST VIRGINIA: Repairs limited to sixty days; Six small size pumps shipped in couple of days.	477-19
43232	7/10	Bost	& WEST VIRGINIA: pumps: small size ready in couple of days. remainder Aug.1st	477--19
43687	7/15	TO M.Is	Forced lubrication; gives probable date of completion. Y	
50168	9/27	M.Is 9439	Evperator feed pump; revised estimates. Y Fwd Dept.Rec.appr.10/6. RB 10-9 a'ppd To---Appd.10/10.	
52266	10/25	Pug.Sd 871	Feed; diverted from CHATTANOOGA; explains job order made to cover.Y	

1912

NB—0120

280 - - - 20
FREDERICK

1918

2

MARYLAND: VALVES: GENERAL

Number.	Date.	From or To—	Subject.	
366999	10-31	Portsmouth	March 20 to Oct. 31 Y	
540858	12;23 12;23	CO Tuituila VOID 2 082	~~Tuituila~~ Submits report on present setting of boiler safety valve. D&M	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

280-20

FREDERICK: VALVES:

1921

Number.	Date.	From or To—	Subject.	
Reqn 12	3;4	CO	Submits detailed report on condition of boiler feed stop and check valves-comments on necessity for renewing bodies.	
	3;9	Pac Flt		
556608	4/12	To Pug Snd	Feed,check and stop valves-re Repairs of cc CO Y Pug Sd-fwds sketches-8;12-Y&D	

4—3381

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—		Subject.	
43856	7/11	M.Is	6605	Repairs to sea valves.Y To---Appd. See 43855-280-8. 8/11.	
49378	9/18 9/?	C.O. M.Is		Reqt. to be furnished with 10 bottom blow valves of Nolan or Simplex type. Y ToCO viaM.I. make reqn. on M.I. 9/29	
50169	9/27	M.Is	9440	Estimate for additional work in making steam traps.Y Fwd Dept.with 50168-280-19 10/ RB 10-9 a'pp'd To -- appd.10/10.	
50440	9/19 9/22	C.O. M/IS.		Overhaul and test Leslie reducing.Y Fwd Dept.Rec appr.10/9. RB 10-11 a'pp'd To M.Is.Appd.10/11.	
				1912	
66310	4-6	M.Is	3445	Repairs to flange cross stop valve.Y	
				1913	
90879	2/17	M.Is.		Submits estimate for repairs to valves,etc	280--8
92542	2-21 3-6	CO M.Is	2410	Mfg. valve stems.Y	
96883	5/2	C.O.		Boiler safety valve settings, reqt auth to remain at 285-lbs.	280--10

N.S.E. Form 134.

MARYLAND: VALVES: 280-20

Number.	Date.	From or To—	Subject.	
103906	8-10 8-14	CO M.Is	Install valve in steam line to evaporators.Y Fwd M.Is. auth. at your discretion 9/5 RB 10 8 Fwd Dept.red disappr.10/9 RB 10 11 To M.Is.disappd.10/11.	
109954	10/22	C.O.	Reqts all Bu. type bottom blow valves be removed and install J. Nolan.	280--8
119076	3-27	CO	Reqt pressure regulator valve on feed pump pipe.Y Fwd M.Iw.for est and rec.3/6. RB 8 28 (T)to M.Is.installation authorized.3/23	
137284	10-13	CO	Install Johnston Nolan bottom blow valve in lieu of Bureau design; latter continually in trouble.D Fwd M.Is-- For comment. 10/17 rb 11 12 Fwd Dept-- Rec disappvl. 11/14 rb 11 18 To M.Is-Via CO-- Disappvs. 11/19	
269681	L2-27	Department	Receiver valve seating-relative to cntrt correct settling	766
337710	7/31 8/3	CO Atl Cruiser	Request safety disks be provided to do away with chance of injury to engine room personnel while repairs are being made under full head of steam - I	

1914

1918

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FREDERICK: ALLOW LISTS: 1920

Number.	Date.	From or To—	Subject.
481561	3-15	To CO	Fwds appvd allow lists. Y
482569	3;11	CO	Request allowance list be increased by one 12 inch reducing valve.Y To CO- Reqt disappvd· 3-24
552885	3;16	CO	Request auth to turn in matl listed.Y To CO Gives instrns 4/1
567977	6;1	CO	Request motor boat spare part allowance list be furnished.Y To CO Fwds cc allow list 6/8 CO-6;22-Y
579422	8;1	CO	Annual inventory completed.Y

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Number.	Date.	From or To—	Subject.	

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FREDERICK: ALLOWANCES.

1917

Number.	Date.	From or To—	Subject.
216983	2-28	CO	Request additional money allotment. R To--(T)Appvs reqt $800. 3/8 To S&A--Rec spec allott $300. 3/8
245813	7/8	CO	Asks under which title certain items to be carried R Fwd S&A--8/31
297104	4/15	To CO	Fwds SE Elec Allow. Instrns re revision of. LR To C O, Re S E Elec Allowance 7-22 CO - 7/18 To CO, re S E Elec Allowance, 8-6 CO 8-13 submits report on stentor phones To CO, Fwds approved S E Elec Allow 8-21 To CO, Approves elec allow, 8-23
312096	5-26	CO	Request type C and type D allotments be increased $1000 each. R Fwd S&A, 5-5 R B 6/6 Fwd S&A 6-8
329166	7/30	CO	Copy of letter to Supply Officer authorizing expanding $3,000 for boiler repairs, etc - R
353301	9/28	CO T	Request increase allotment One Thousand Dollars, due to overhauling by ship's force-Y Fwd S&A 9-30 CO - (T) request action - 10/5 Fwds S&A, 10-9

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FREDERICK: ALLOWANCES 1918

Number.	Date.	From or To—	Subject.
377872	12;11	P Sd	Copy of let. to Ports fwding allowance list RA
378985	12;19	CO	Tel. req. increase in allotment $3,000 to expedite nec. work RA Fwd S&A- 12-21
378210	1-8	To CO	Fwds allowance book-
415753	5-3	To CO	Fwds allo lists. Ya To Ports. ditto. 5-3 To Ports- fwds allow lists 5-5 To Frederick fwds lists 5-5 Portsmouth 5/7 CO 5;14
418278	5-15	To CO	Fwds revised allow book. Ya
473797	2/4	To CO 1920	Asks info in conn with expenditure of allotment. Y CO-2;10 Fwd S&A. 2-14 RB-3;12

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FREDERICK
MARYLAND: ALLOWANCES & LISTS.

1914

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Number.	Date.	From or To—	Subject.	
125304	5/19	Co	Requests $800 balance current quarter.R Fwd Dept. rec appr.5/20. RR 5 26 app d	
130282	7-3 To Via M.Is--Add to. 6/19 To-- Changes. 10/14 To-- Appvs with changes. 4/7	CO	Fwds list.R. To---appd as changed.8/15. CO rect copy of reference 9-2 To-- Fwds. 9/23;0 changes recom 9-10	
132144	7-27	CO	Lists present allowance of fans and reqt inc.R To M.Is.addition.8/15.rb 9 2	
140237	11-13	CO	Reqt spares for pumps.R To--Not considered advisable. 12/1	
141181	11/5	CO	Fwds revised allowance list.R	
141489	12-2	CO	Reqt authority to turn in platform scales. To--Appvs. 12/9	R
141837	12-10	CO T	Reqt increase in allotment. R Fwd Dept-- Rec appvl. 12/11 DEC 12 14 app d Fwd S&A-- 12/15	
			1915	
147563	1-30	CO	Reqt authority to turn in deck lanterns.R To--Disappvs; retain on board. 2/23	
149315	2-25	CO	Reqt authority to turn in certain elec stores.L To Via M.Is--Auth turn in certain items.3/12	

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MARYLAND: ALLOWANCES. 280-21

1915
1914

Number.	Date.	From or To—	Subject.
153081	4-9	CO	Reqt authority to turn in excess stock.R To-- Granted. 4/23
163393	8-12 8-13	CO T Dept	Reqt additional money allotment.R Fwd Dept 8/14 RB enclosing copy of cablegram covering 8/16 Ref. Dept. recomds. addi. 8-14 Fwd C&R 8/17
165589	9-6	CO	States special money allotments; list of material for which spent.
173218	12-41- 12-6	CO Dept	Reqt continuation of full allotment all Depts to end of current quarter. R Fwd Dept--Rec full allotment. 12/8 RB 12/10 Fwd S&A Via C&R-- 12/10
			1916
179034	2-7	CO	Reqt monel metal bars be added to allowance.R To-- Additions to 2/17
188255	3-15 5-17	Pac Flt Dept	Reports on status of ship in connection with money allotment. R Fwd S&A Via C&R--Nav-Ord--Noted. 5/19
201234	9 10-12	CO	Request authority to turn in 3 way cocks.R To--Authorized. 10/6
206176	11/23	To CO	Gives addition to SE Allow list. RL

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MARYLAND: ALOWANCES & LISTS.

Number.	Date.	From or To—	Subject.
55303	7/28	C.O.	Reqt authority to turn in spare parts for generating sets. R To M.Is.Should be surveyed.8/4.
51740	10/13	C.O.	Spare parts for forced lubrication; reqt. be added. R To---.S&A.M.Is. additions made.11/4. RB 1-2 1912 1913
87067	12/27 1/9	CO Dept.	Requests material used for repairs be not charged against allotment.R Fwd Ord.1/11. RB 1-30 Ret Dept.1/31. RB 2-3 Fwd CO.2/3.
87172	12/27 1/6	CO Dept.	Requests material used on Title "D" job orders be not charged against allotment.R Fwd S&A.Rec be disappd.1/11. RB 2-28 Fwd S&A.3/1.
No #	2/13	To M.Is.	Survey 230; instructions re repairs to equipage.Y
91705	2-27	CO	Reqt increase in money allotment Mch quarter.R Fwd Dept.rec appr.3/6. RB 3-10 (T)to M.Is for Md. authorized.3/11.

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MARYLAND: ALLOWANCE 280-21

Number.	Date.	From or To—		Subject.
92727	3-10	CO		Reqt. new. R. To-vai M.Is. being revised 3/26
95010	3-28 4-10	CO Dept		Reports excessive material used on title D repairs and asks money allowance be credited.R Fwd-D- TO CO some under C&R 4-24 RB 5-19 Fwd C&R 4-24 RB 5-8 Fwd S&A.5/7. Dept Fwd S&A.5/20.
98412	5/26	S&A	401-167	Submits list of stores issued during last 12 months and suggests that allowance lists be amended to meet same.R
106159	9-13	M.Is		Have no copy of allowance list.R
112377	12-17	CO		Reqt. Beard, Deputy Masant safety lamps be added to. R To---via M.Is.instructions.12/12.
			1914	
116783	1-20	M.Is	1089	& ROCKET: asks where lists are.R
118973	3-3	CO	T	Reqt supplementary allotment $600 for main quarter.R Fwd Dept.rec appr.3/4. RB 3 7 appd To---appd.3/7 Fwd S&A.3/7 RB 4 1
119320	3-7 3/7	CO To CO	T	Reqt additional $600 Addtl.allotment $600 authorized.R
122840	4-14	CO		Reqt authority to turn in steam gages and strike from title B allowance.R Fwd—for further information 4/21

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MARYLAND: GAGES & INSTRUMENTS:

Number.	Date.	From or To—	Subject.	
47281	8/16 8/18	C.O. M.Is 7905	Repairs to gages.Y	
48048	8/28 9/1	C.O. M.Is	Reqt. repairs to gages.Y	
			1913 1912	
87314	1/6	M.Is.	Main engine revolution counters, are all fited to read continuously ahead with enging running in either direction.	665--7
92048	2-13 3-1	CO M.Is 2128	Repair gages.Y	
93268	3/25	To Maryland	Test of Bering River Coal, reqt inventory of gas analysis & other instruments	623--15
94003	3-26	M.Is	Installatin apparatus for operating Bailey Counters.D.	
			1914	
119404	3-2	CO	Instal hot water meter ~~called~~ in discharge from distillers.Y Fwd Dept.rec disappr.3/11. RB 3 13 To---via M.Is.disappd.3/13	

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Number.	Date.	From or To—	Subject.	

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FREDERICK RECORD OF WORK 1920 4

Number.	Date.	From or To—	Subject.	
527761	11/1	CO	Quarter ending 9/3 0 Y	
[illegible]	[illegible]	[illegible]	[illegible]	
548302	2;21	Phila	11;24;19 to 7;17;20.Y	
548622	2;1	CO	Quarter ending Dec 31st.Y	
557616	4;1	CO VESTAL	Quarter ending 3;31.Y	
559863	4;20	Pug Sd VOID	Request VanDykes of machy plans be furnished.D	
559858	4;1	CO	Quarter ending 313k.Y	
560673	4;28	Phila	10;13;20 to 12;1;20.Y	
575637	7/1	CO	Quarter ending 6/30? Y	
577361	7;1	CO	Quarter ending June 30th.Y	
592458	10/1	CO	Quarter ending 9/30 Y	
604750	1;1	CO VESTAL	Quarter ending Dec 31st,Y	

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FREDERICK RECORD OF WORK 1922

Number.	Date.	From or To—	Subject.	
605299	1/1	CO	Quarter ending 12/31.Y	
610706	2/14	CO	~~Report of work period~~ ending 2/14 Y	

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FREDERICK: RECORD OF WORK.

1919

Number.	Date.	From or To—	Subject.	
415937	5/1	CCO	Quarter ending 3/31 - Y CO - 4/17 (Cancel 5/7) To- Fwds 1/4 report of work afloat. 5-15	RB 7;1
420457	5-20	W&A Fletcher	5-2 to 5-12	
421024	5-1	Portsmouth	3/20/18 to 10/21/18 - Y	
427969	6-20	W & A Fletcher	6/3 to 6/10. Y	
432125	7-1	CO	Quarter ending 6/30 Y	
438106	8;1	Ports	10-31-18 to 7-30-19. Y	
438633	8;1	Ports	10-31-18 to ~~18x~~ 7-30-19 Y	
452376	10-1	CO	Quarter ending 9/30. Y	

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Number.	Date.	From or To—	Subject.	
452737	10-1	Washington	Quarter ending 9-30. Y	
			1920	
459471	11;1	Morse DD C_n	6-3 to 7-13.Y	
470408	1;1	CO	Quarter ending December 31st.Y	
476801	2/1	Norf	12/9/18 to 12/31/18 - Y	
487873	4/1	CO	Quarter ending 3/31 - Y	
491659	5/1	Ports	10/31/18 to 7/30/19 - Y	
491995	5;1	Ports 7/30/19	to 11/22/19.Y	
512702	8/1	CO	Quarter ending 8/30 Y	
526625	10;26	Ports	11/22/19 to 5/1/20/Y	

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FREDERICK: RECORD OF WORK 1918 2

Number.	Date.	From or To—	Subject.	
306238	5-9	CO	STOCKTON - for week ending December 10th.	Y
328458	no date	CO	Quarter ending June 30th.	
347104	9/4	Ports	2/22 to 3/20 -	Y
351757	9-15	Ports	2-25 to March 20	Y
362177		CO	TQuarter ending Sept. 30	Y
386470	1;1	Norf	12-9-18 to 12-31-18	Y

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FREDERICK: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
390256	1;1	CO	Qtr. ending 12;31;18 Y	
393747	2;8	Army Piers Hoboken	1;30 to 2;6;19 Y	
402357	3;1	Hoboken	3;3;19 to 3;10;19 Y	
404835	3;15	T&L DD Co	3-3-19 to 3-10-19 Y	
407741	3;1	Ports	3-20-18 to 10-31-18 Y	
414251	4-15	CO	1-3-18 to 1-8-18 Y	
414758	4;15	Hoboken	4-4-19 to 4-11-19 Y	

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FREDERICK
MARYLAND: RECORD OF WORK

1913

Number.	Date.	From or To—	Subject.
105800	9-11	M.Is	Mch 18 to Aug.24.Y
111443	11-23	M.Is	Mch 18 to Aug 24.Y
		1914 1914	
126917	6/2	Mare Is.	Aug.24 to Apr.23.Y
127945	6/15	Mare Is.	Aug.24 to Apr.23.Y
182422	3-15	M.Is	Sept 24 to Mar 1
		1917	
232272	5/26	P Snd	Apr 30/16 to Apr 30/17 YI
236770	6/26	P Snd	Quarter ending June 30th Y
245032	--	CO	Quarter ending June 30th Y

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FREDERICK: RECORD OF WORK/ 280 - 25

Number.	Date.	From or To—	Subject.	
261095	--	CO	Quarter ending Sept 30th - Y	
275536	1-18	NY	1-3 - 1-8	
275658	?	CO	Quarter ending Dec.31.Y	
		1918		
299141	4/17	Ports	2/22 to 3/20 - Y Ports - submits estimate - 1/28	
300425	4-15	CO	Quarter ending March 31st. Y	
305222	5-1	Puget Sound	July 11 to Dec 22nd.	

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FREDERICK: SURVEYS 1921 3

Number.	Date.	From or To—		Subject.
592483	10/19	CO	3/22	Gauge Y
592483	10/19	CO	3/22	Gauge Y
592483	10/19	CO	3/22	Gauge Y To CO- Gives Action 12/8 Fwd Dept 11/19 RB 11/26 Y CO 11/29 Y
597571	11/22		6/22	Cleaners Y
602602	12/23	MERCY	7/22	Bulbs Y
		1922		
609355	2/1		9/22	Amplifier Y To CO- returns survey 3/8 RB 3/30 from CO CONN W
609865	1/24	CO	5/22	vanblerck engine block and connecting rod. Y

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Number.	Date.	From or To—	Subject.	

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FREDERICK: SURVEYS 1921 2

Number.	Date.	From or To—		Subject.
551101	2/20	FREDERICK	14/21	Propeller Y
550956	2/20	CO	13/21	Manifold, Timer, Blocks Y
550957	2/20	CO	12/21	Battery Y
551237	3/7	CO	15/21	Propeller Y
552481	3/12	FREDERICK	12/21	Batteries Y
553729	3/21	PS	29/21	Block, Y
553695	3/21	PS/21	17/21	Armature, Piston rod Y
553694	3/21	PS	26/21	Armature, Y
553696	3/21	PS	18/21	Soldering iron Y
554077	3/22	PS	16/21	Voltmeter, Fan Y
554078	3/22	PS	34/21	Thermometer, Telephones Y
554079	3/22	PS	33/21	Brasses, Rod, Lantern Y
554081	3/22	PS	35/21	Battery Y

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FREDERICK: SURVEYS 1921

Number.	Date.	From or To—		Subject.	
553914	3/22	PS	24/21	Thermometer Y	
553912	3/22	PS	27/21	Valve, Plungers, Gauge Y	
553911	3/22	PS	31/21	Gauge, Drilling machine Y	
553916	3/22	PS	19/21	Valve, Piston, Rod Y	
553910	3/22	PS	30/21	Piston Y	
553909	3/22.	PS	25/21	Head, Rods Y	
553908	3/22	PS	32/21	Clutch, Brasses, Carburetor Y	
553915	3/22	PS	20/21	To CO 3/31 CO-4;9-Y Rod, Eccentric Y	
554677	3/26	PS	36/21	Machine valve, Y	
554678	3 ~~2~~26	PS	23/21	Gauge, Valves Y	
530556	4/1	To Atl Fleet		Missing elec material; Survey appvd. L	
558819	4/15	PS	37/21	Klaxton Y	
587438	9;17	CO	4/22	Register, hand,talley.Y	
590538	10/4		2-22	Governors Y	

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1920

FREDERICK: SURVEYS:

Number.	Date.	From or To—		Subject.
481161	3;9	CO	11/20	Cease firing gongs.Y
482502	3;19	Washn	35	Buckets.Y Void see 28-27
483231	3;15	Phila	10/20	Various material.Y
483501	3;18	Phila	9/20	Various material.Y To Phila- Advise serial number of engine. 4-9 RB-4;22Y
485953	3;26	CO	12/30	Motor boat air whistle.Y
497742	5/28	FREDERICK	14/20	Lanterns, Thermometer, Chain fall. Y
499639	6;10	Phila	18/20	Telephones.Y
500349	6;14	Phila	17/20	Steam guage.Y
501008	6;18	Phila	16/20	Gauges.Y
503959	6;29	Phila	20/20	Anvil.Y
503958	6;29	Phila	19/20	Gauges.Y

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FREDERICK SURVEY

Number.	Date.	From or To—		Subject.	
512705	7/16	Phila.	2/21	Welding set, torch, Y	
512704	8/4	Colla	3/21	Rubber hose Y	
512738	8/12	Phila	1/21	Breast drill Y	
527945	11;1	Phila	4/21	Fans and ventilating sets.Y	
528360	11;3	Phila	7/21	Block, buckets, magneto.Y	
528362	11;3	Phila	5;21	Thermometers.Y	
529039	11/2	Phila	6/21	Vise, Valve- Y	
529653	11;11	Phila	9;21	Radio apparatus.Y	
530030	11;16	Phila	8/21	Hose, whistle and brasses.Y	
530556	11;16	Phila	5;21	~~Various items.Y~~ Fwd Atl Fleet 11/30 RB 2/7/21	
530555	11;5	Phila	4;21	~~Fwd Dept 3/22 RB-3;28~~ Various items.Y	
530858	11;17	Phila	10;21	Blacksmith forge.Y	

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NIAGARA: TENDER FOR SUBS. 1913

Number.	Date.	From or To—	Subject.
88923	1-27 1-29	New London S&E Co (C.S.McNeir) Dept 28198-E.50	Relative to changes in specns., particularly in regard to feed pumps and running lights. N
89659	2/7	To New London	Fwds contract plans of main engine, and deck and hold plan and machy arrangement. D
89759	2-8	C&R 27735-E.8	Contract plans;req.D. To---Fwds.2/11.
89937	2-8	New London 193	Contract plans and specns. Reqt. Bureau SE expedite instructions.N. To---Fwds spcfns.2/13. To FR. & Groton. Fwds copies of spcfns.3/13. N.L. reqt. additional 3-19 To---fwds 6 copies.3/21.
90598	2-17	Navgn	CHANGED TO FULTON: Destroyer tender named MELVILLE; Submarine tender BUSHNELL. D. To--Groton- quotes 2/27 FR do 2/27
91241	2/26	New London 285-13	H.S.Espes has been appointed representative at Fore River S.B.Co.N
92564	3/15	To Gen Inspr.	Forwards copy specifications for building Hull and Machinery.N
92818	3-18	New London 3788	Contract;reqt.copy. N To---Fwds copies.3/20.

N.S.E. Form 134.

FULTON: 498--1

Number.	Date.	From or To—	Subject.	
93586	3/25	Norf.	REQuest copy of machy spcfns.D To---Fwds copy.3/29.	
95223	4/16	FR	Monthly report.N	
107633	10-6	Seattle 258	Reqt. copy of cpecns. D To---Will be fur.when printed.10/13 To---fwds spcfns.1/29.	
107694	10-11	FR	Reqt. additional copies.D	
538572	1;5	Phila	Request machy and elec specns.D To EO Phila Fwds cc of specens 1/10/21 Phila-1;11-D	

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NIAGARA: TENDER FOR SUBS. 1912

Number.	Date.	From or To—	Subject.
70992	6-11	Solicitor 28798-37	Form of contract; fwds for comment.N Ret---6/13.
72051	6-24	Solicitor 28198-39	Copy of contract dated June 19th with New London Ship and Engine Co.D-N To New London.fwds copy of contract.6/27. To Gen Inspr.fwds copy.6/27. To FR.Fwds copy.7/2.
72429	6-29	New London 6031	Reqt. American Bu. Shipping specns. and rules.N To---Fwds copies.7/2.
73804	7/18	New London Ship & Eng. Co.	Electric equipment; requests change voltage of lighting auxiliary power circuits to 220 volts in lieu of 110 volts.D From Co.7/29 (T).Reqst telegraphic action.D To-Groton, not appd. 7/29
75812	8/14	New London 784	Specifications; requests copy.N To---Will be furnished when printed.8/19.
76345	8/10 8/14	New London Co. Dept. 28198-40	Contractors fwd new contract plans and specifications to be appended to contract. Calls particular attention to proposed change in ice machine.D
	8/23	New London	States Bu's spcfns covering principal characteristics of high-grade cast iron are in error; requests be altered.D Ref Dept. Gives understanding on Ice machine to be installed 8/22 RB 9-27 Fwd Dept 10-18

N.S.E. Form 134.

NIAGARA: TENDER FOR SUBS: 498-1

Number.	Date.	From or To—	Subject.
77887	9-11	New London S&D Co	Contract plans; enters protest against Bureau's ruling relative to refrigerating machinery.N. TO -- directs plans be forwarded covering ice machine furnished by Carbonic Mach.Co. 9-14
78297	9-17	New London S&E Co	Specns; reqt. ice machine be referred to as Wisconsin Ice Mach.Co. type or equal to. Understand Carbonic Mch. identical with Wisconsin Co.D
79937	10-3 10-10	New London S&E Co C&R 27735-E.3	Changes in contract plans and specns; states Bureaus failure to act may cause delay.N Fwd Dept.10/14. C&R reqt. return.11-6 Fwd Dept.11/7.
83726	11-27	FR 3326	Reqt.copy.D To---will be fwded when appd.11/29.
83857	11-13 11-19	New London Ship & Eng 28198-45, Dept	Contractors protest against additional changes in contract plans and specns.N Fwd Dept.reqst copy of plans and spcfns when completed and corrected.12/11. New London S&E Co. reqt. action 12-4 Fwd Dept.12/17.
87908	1-16 1-18	New London S&E Co Dept 28198-48	Fwds specns, plans corrected to meet corrections and revisions under contract.D. Ret Dept.Spcfns have been revised.1/22. RB 2-4
88849	1-18 1-28	Dept 28198-48 C&R 27735-E.2	Fwds revised specification. D. Fwd.Dept.1/30

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[OVER.]

NIAGARA: TENDER FOR SUBS. 1912

Number.	Date.	From or To—	Subject.
62220	2-23	Ulrich, A.	Asks that effort be made to obtain larger appro. as present one will not allow installation of Junkers engine; highest type internal combustion engine yet developed. D To---Amount available established by law.2/28.
62542	2-12 2-27	2nd Sub.Div C&R 25993-E.64	Suggestions for design of. D Ret C&R Noted.3/5.
62808	3-5	Solicitor 28198-21-1	Form of contract; fwds printers proof of contract. D Ret----Satisfactory as mod.3/6.
62874	3/6	To Dept. J	CIRCULAR: Re difference of opinion as to meaning of requirements under headings Class 1 and Class 2. Bus.request authority to inform prospective bidders intention of the circular.3/6. RB 3-12 Fwd C&R.3/14.
63069	3-8	Solicitor 28198-21-1	Fwds proposal and contract form for comment.D
63241	3-9	FR Co	Reqt. date of opening of bids be postponed until Apr.30. D Fwd Dept.via C&R.Rec date of opening be postponed.3/11. RB 3-14 Fwds duplicate. C&R3-11 Fwd Dept.3/12. RB 3-15 Fwd C&R.3/16.
63489	3-9 3-12	New London Ship Co C&R 27772-E.6	Unable to submit bid on vessel called for within amount specified; will submit design for cheaper shipmand reqt. bid.opening of, be postponed until Apr.30. D Fwd Dept via Solicitor.3/14.RB 3-16 Ret C&R.noted.3/16.

N.S.E. Form 134.

NIAGARA: 498-1

Number.	Date.	From or To—	Subject.
63830	3-16	Ulrich, A.	Fwds copies of telegrams between NN and Prof. Junkers relative to furnishing engines for; regrets company will not bid due to small allotment.D To---Ack.3/18.
67496	4-27	Solicitor 28098-30	Bids will be opened Tuesday, 30th inst, 12:00 Noon; reqt. representative.C
67689	4-30 4-30	Solicitor Dept 28198-31	Summary of bids. One only. D Ret Dept via C&R.5/27.
68250	5/8	To Dept. Joint	Proposal; recommendations. RB 5-25 a'pnd. Fwd C&R.Will proceed with BELOW redesign.5/25. Dept fwds letter from New London Shop Co. re proposal for re-designing.5-23. Fwd Dept.5/28 RB 6-4
68988	5-13 5-16	New London Ship & Eng Dept 28198-33	Reqt. opportunity to discuss proposal before rejection.D Ret Dept.Bu prepared to discuss.5/22.
68250		SEE ABOVE	Proposal. FWD C&R.6/4.
70491	6/5	New London Ship & Eng. Co.	Fwds prints and specifications covering modified design.D
70602	6-7	New London Ship & Eng.	Offers to amend bid covering boilers and air compressor,ice machine.D (N) Recommendations.6/8.

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[OVER.]

Number.	Date.	From or To—		Subject.
55117	12/4	To Ord		Plans showing arr. of machy and workshop, foundry and blacksmith shop, have been to delivered to representative, and reqt inf whether satisfactory to that Bu.D Ord.12/9 Machy space and workshop satisfactory.D
55219	12/4	To C'R		Prints showing arrangement of machy, workshop and foundry del. to rep. of Bu; reqt information if satisfactory. D
55778	12/11	To C&R		Circular of requirements, S.E. and elec. plant, delivered to representative of Bu. for incorporation in circular for bidders. D
56075	12/13	C&R	27571-E.19	Fwds draft of circular defining chief characteristics.D To--Makes rec. re changes desired.12/14.
56763	12/20	Solicitor	28198-5	Chief characteristics; fwds 10 copies of circulars.D To--Ack.12/23.
56757	12/21	C&R	27571-E.27	Fwds list of prospective bidders.D C&R 12/26 Adds United Engrg Works.D C&R 12/27 Adds Moran.D NN 1/13
56847	12/22	C&R	25993-E.57	States have embodied plans covering machinery, workshop, foundry,etc., in plans submitted bidders, and submits prints of type plans of amidship sections, deck plans,etc.D To--Plans satisfactory.12/23.

N.S.E. Form 134.

NIAGARA: TENDER FOR SUBMARINES: 1912. 498--1

Number.	Date.	From or To—	Subject.	
56894	12/23	C&R 27571-E.22	Circular defining chief characteristics; fwds copies of printed circular Serial Numbers 15 to 20.D	
			1912	
57775	1/5	To C&R	Request for prints showing decks and sections of. 1/5. Type plans; fwds. C&R 27735-E.1 L	
58102	1/9	Bush,Sulzer Diesel Co	Reqt. circular of requirements, weight of engines and gen sets.D. To---suggests communicate with prospective bidders--gives list of.1/11.	
58361	1/10	FR	Reqt. date of opening of bids be postponed until Mch. 20.D Fwd Dept. via C&R and Solicitor; Rec date for opening bids be postponed to Mar.20th. 1/12. R B 1-19	
59785	1/26	Bush,Sulzer Bros Diesel	Relative to supplying engine; asks for authority to construct at works at Winthur. N Fwd Dept. Rec purchase of material abroad be permitted.1/29. R B 3-6 a ppd To---Quotes Solicitor's endorsement.2/6.	
59901	1/29	Griscom Spencer Co	Specns. reqt. loan of.D To---Fwds extracts from spcfns.1/30.	
60935	2/10	To FIRMS	Bidders' data forwarded.	
61467	2-16	Solicitor 21198-19-1	Formal proposal; fwds proof for comment.D Ret---Satisfactory as specified.2/23.	

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[OVER.]

498 -- 1 NIAGARA, FULTON (FOR PREVIOUS CORRESPONDENCE SEE MOTHER BOATS) 1

TENDER for SUBMARINE1912.

Number.	Date.	From or To—	Subject.
45887	8/10	C&R	Impossible to allot machinery spaces as required by Bureau owing to size of vessel; reqt. other plans be submitted.D To---Bu afrcd tentative plan for twin screw scheme; asks re machy spaces.8/15.
46895	8/22	C&R 25993.E.23	Appears probable can allot space reqted for machinery; will advise further on receipt of estimates of weight and center of gravity.D
47861	9/5	TO C&R	Fwds estimated weights and center of gravity.D
48956	9/18	MARINE REVIEW	Reqt. confirmation of report that proposals are to be asked. D To - will equip with oil engines 9/20
49017	9/19	C&R 25993-E.25	Asks what amount of fuel oil will be required for giving radius of 3,000 miles.D To C&R - 250 tons 9/20
52906	11/7	C&R 25993-E.28	Submits designs of. D
52997	11/7	To C&R and Ord.	Requests to be informed what machinery under Bureaus of, to be driven by steam.D BLRSIPIG Fwd Ord.Noted.11/15.
53019	11/2	Gas Power Mfg.Co	Asks if Bureau is contemplating construction of one with producer gas plant. D To---Heavy oil engines to be used.11/9.

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TENDER FOR SUBMARINES: 498-1

Number.	Date.	From or To—		Subject.
53384	11/11	C&R	25993-E.30	Fwds prints showing machinery specns. D To-Del. to representative of C&R.11/23.
53552	11/14	C&R	25993-E.33	Fwds prints showing proposed allotment of spaces for work shop, foundry,etc. D
53553	11/14	C&R	25993-E.38	Reqt. estimated weights for elec. outfit. D-L To--Fwds.11/24. To--Fwds weight sheet for machy.12/6.
53580	11/15	C&R	25993-E.31	Gives list of steam auxiliaries.D
53649	11/15	C&R	24993-40	Reqt. copy of searchlight drawings. L To---Bu has no drawings of 18"; design subject to appr·of plans.11/20. C&R 11/22 reqst copy of plan referred to.L To-Fwds copy of plan.11/25.
54133	11/21	Navgn		Authorized Mch. 4, 1911; named NIAGARA. D
54790	11/28	C&R.	25993-E.47	Re arrgt for carrying fresh water and Electrolyte storage batteries.D To-Satisfactory.12/2.
54869	11/29	C&R	28993-E.50	Re provisions for wireless telegraph room in contract plans.W To--Satisfactory.12/2.
55180	12/4	FR Co.		Requests all information available re propeller machinery.D To--Not available at present, but will be forwarded.12/6.

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[OVER.]

1916

FULTON: TRIALS.

Number.	Date.	From or To—	Subject.
207252	12-4	Bd I&S MAUMEE	Request FULTON TURn in trial board instrus. 556-2
250366	9/20	Inspr N Lond	Fwds bills covering finished plans.K Fwd- 10-2 --RB--11/1.
463486	12;13	N London Sub Base	FULTON quarterly report of repairs.A&Y
490903	4;29	N London Sub Base	Submits quarterly report of work performed.A&Y
504249	7;6	N London Sub Base	Submits quarterly report of work-quarter ending June 30th.Y
514195 3	8/27	Phila	Request trisl data booklets. D. Fwd Bd I&S : Trial Data Booklets rqstd 8-30 D.
532886	12;2	CO	Not sufficient data on hand to submit performance curves.M

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Number.	Date.	From or To—	Subject.	

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1915

FULTON: TRIALS.

Number.	Date.	From or To—	Subject.
155338	5/17	Dept	Final trial; fwds copy of order to Board.N
157189	6-8	FR	Monthly report
158586	6-18	Bd I&S	Final trial; fwds report.N To Groton--Fwds copy report for comment.6/23 New London contrs comments 7-16 To Groton-- 8/4 To NY--Fwds copy above letter.8/4
158911	6-22	Dept NY 7/29 NY--(R) Reqt action battery charging board. 8/4 To NY--Directs shunts of 1000 ampere capacity be obtained.8/4	Report of board of final trial.N To NY--Gives action on. 6/28 To CO & Atl Sub Flo--Fwds copy above.6/28 To Groton--Ditto. 6/28 Fwd C&R--Prepared make joint rec for final acceptance. 6/28 NY estimates for alterations 7-14 NY Reqt action. 7/24 To NY--(R) Appvs removal oil tanks.7/26
159367	6-30	C&R	Final trial; fwds b/p copy.N To--Re installation of voice tubes.7/3
159434	6-24	Dept	Final trial; comments show unsuitable for us as Submarine tender; Dept directs comments with view of suggestions for future tenders.D Cross to Sub Tenders.D Retd Via Ord--Comments on. 7/3 To C&R--Fwds copy above. 7/3
160123	7-6	NY	Final trial; estimate for work recommended.N
160676	7-13 7-15	CO Dept	Post trial examination; relative to main engine air compressor cooling pipes,etc. Fwd Groton--Take up with contr's.7/22. RB 9/16

N.S.E. Form 134.

FULTON: TRIALS. 498 — 2

Number.	Date.	From or To—	Subject.	
162740	8/6	To Dept	Reqt future engineer of vessel be detailed while ship isundergoing repairs at NY	632
163810	8/18	New London	Fwds contractor's comments on official trial; report in connection with work for which they are held responsible.N To--Lists reservations to be made.11/6 New London fwds contrs' acceptance of charges11/17 To NY--Reqt further data on item 6-1/2S.11/19 NY gives history of NY work clutch 11-26	
		To--Quotes NY action. 12/2 TO C&R recom final settlement6-2 To Dept-(J)Rec for final settlement. 9/21		
168650	10-16	Soc. Nav Engrs	Description of Trials of FULTON by Lt. C.N. Hinkamp; reqt authority to publish. Fwd Nav Intel--no objection 10/20	
169115	10-22	New London	Fwds contractors request for final settlement.N To NY--Report actual cost of work done.10/25 NY reports cost 10-30 To C&R--Prepared to rec payment. 11/3	
172018	11/22	C&R	EHP curve	623-1
173534	12-10	Fwd Dept. JOINT	"Ad interim" payment; recommendations. N RB 12/17 Fwd C&R-- 12/18	
174629	12/23	Dept	VOID	
200388	929	Dept	Directs final acceptance and settlement.N Fwd C&R--9/28	
200450	9-25	Solicitor	Finally accepted Sept 25. N	

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FULTON: TRIALS.

1914

Number.	Date.	From or To—	Subject.	
141305	12-5	Solicitor	Deliered Bost Dec 2; prelim accepted same	date.N
141379	12-5	FR	Monthly report.N.	
141383	12-2 12-5	New London FR	Prelim trial; fwds contractors comments.N To Via FR-- Appvs recommendations· 12/8	
141902	12-12	To Dept. (JOINT)	Preliminary acceptance and settlement; submits report on·	
142234	12-16	C&R	Fwds data on trial trip report.N	
142477	12-17 12-18	Bost Dept	Can complete necessary work by Jan 20, with certain exceptions. N Fwd Dept-- Comments· 12/19 Fwd C&R V8a Ord-- Noted· 12/23	
142632	12-19	Solicitor	Prelim accepted Dec 2.N	
142650	12-14 12-21	Dept C&R	D rects prelim acceptance and settlement. N Fwd C&R--Vouchers appvd· 12/22	
		1915		
143802	12-30	New London	Bills covering changes in cost.K	
144005	1-6	FR	Monthly report.N	

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FULTON: TRIALS. 498-2

Number.	Date.	From or To—	Subject.	
144597	1-15	Dept	Reqt comment and recoocmdation as to engineer requirements considered desirable in connection with new type of machy; in connection with issuing movement orders. F. Fwd Dept--Comments. 1/18	
145812	1/26	NY	Trial board instruments for use of board on FULTON and MAUMEE ; disposition of; requests instructions	671-9
146456	2-4	FR	Monthly report. N	
149060	3-5	FR	Monthly report. N	
14924[illegible]	3-8	FR	Finished weights. D	
150912	2-25 3-23	CO Dept	Reqt final trials be delayed until 6 months from date of completion of repairs to boilers.N Fwd Dept-- Comments on. 3/31 RB 4/6 Fwd Dept--Asks decision on liability period. 4/8 RB 4/14 Fwd Dept-- Comments on. 4/17 C&R reqt return 5-14	
C&R reqt return 7-3 C&R reqt return 8/16				
151866	4/7	FR	Monthly report.N Fwd Dept--5/17 R.B. 5/28 To-- Asks when items will be supplied. 4/9	
154399	5-6	FR	Monthly report.N	
154534	5-8	Bd I&S	Final trial; reqt status of work on.N To-- Gives status of. 5/12	
154925	5-12	New London	Fwds bills for authorized changes, relocating radiator and extra plans.K Retd-- For certificate of bill. 5/17 RB 5/20	
155256	5/17	Dept	Reqt copy of machy specns.N To--Fwds. 5/18	

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FULTON: TRIALS.

1914

Number.	Date.	From or To—		Subject.
139340	11/10	FR		Reqt extension of time; gives reasons.N Fwd Dept Via C&R-- Rec appvl. 11/13 rb 12/2 To Groton--Fwds copy of letter to FR. 12/2 To--Extends date of. 12/3
139419	11-11	FR		Prelim trial; post trial report.N
139945	11-17	FR	3640	Contractors dock trial; steps taken by contractors to remedy failure to start engine with air from ships tanks; re bricking of boilers, etc. N
139964	11-16	Bd I&S		Prelim trial; fwds report.N. To FR, Groton 11/19 FR contractors agree to remedy all defects before delivery 11-25 To Bost--12/11 To FR--Instructions. 11/30 To FR-- 11/30 12/29 Fwd Ord- 1/12 Fwd Ord-12/28 Ord--Rec certain work be done. 12/2 Bd I&S fwds sysnopsis 12-4 To FR-12/7 FR comments on lighting 12-4 To FR-12/7
140128	11-19	FR	3761	Contractors state will be completed Nov 24;To-12/31 rect authority to deliver; inspector disagrees.N Fwd Dept Via C&R-- Recommendations. 11/21 FR (T) Reqt authority to deliver 11-30 (T) To--Gives Dept's action. 12/2 FR reports on turning 16 times without failure 12/4
140127	11-19	FR	3670	Contractors dock trial; reports on unsuccessful attempts to start engine with air from flasks.N
140091	11-20	TO FR		Indicators; for trial trip; retain for further experience with Diesel engines. N
140249	11-19	Dept	28198-E.130	Report of board on prelim trial;. N Fwd C&R--Prepared to make rec. 11/23

N.S.E. Form 134.

FULTON: TRIALS. 498-2

Number.	Date.	From or To—	Subject.	
140557	11-20	FR	Trial data; fwds synppsis sheets.N Fwd Bd I&S-- 11/27	
140465	11-24	FR 3726	Claim for extension time on account of accident to boiler.N	
140479	11-24	New London	Prelim trial; reqt copy. N To-- Fwds. 11/30 To Bost--Gives action taken on. 12/12 To--Fwds hull data· 12/18	
	Bost estimate 2-9 To Bost-- Est high; reduce. 2/19			
140510	11-23 11-27	Newlondon S&E Co. C&R	Reqt p rmission to deliver Nov 28. N Fwd Dept-- Disappvs. 11/30 RB 12/5--delivered at BostYd 12/2	
140513	11/25	FR	Reports on trial of main engines; doubtful if vessel can ~~bd ed~~ be delivered Nov. 3rd	498-9
14 0918	12/1	C&R	B/p copy of Report of Board on Preliminary Trial.D	
141006	12/1	FR	Ready for delivery with exceptions noted.N To--(T) Instructions. 12/3	
141099	12/2	FR	Fwds copy of lists, stores, spares, to be supplied by contractors and list of uncompleted work.N (Cross to 21) To C&R-- Prepared to make rec for prelim settlement. 12/5	
141098	12/2	FR	Reports of maneuver of main engine in connection with trials.N	
140727	11-27	Solicitor	Permission to deliver at Bost. N.	
140775	11-30	Bd I&S	Engineerin data prelii trial.N.	
141004	12/1	FR	Safety valve easing gear; contracotrs do not consider themselves responsible for	498-20

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FULTON: TRIALS. 1914

Number.	Date.	From or To—		Subject.
136462	10-8	FR		Monthly report.N
136474	10-8	FR	3254	Reqt names and number of observers on trial to be detailed from Bureau; lists men from Inspector's office.N
136638	10-10	FR	3281	Claims extension cont time due to delay in securing steam and exhaust piping.N
137254	10-16	FR	3312	Re character of fuel oil to be used on trial. N To-- Comments. 10/27
137566	10-20	FR	3362	Prelim trial; reqt Bailey counters.N To NY--Prepare for shipment. 10/22 To S&A-- Reqt shipment from NY to FR. 10/22 NY (R) only one in store; NEW YORK has two on board; reqt be directed to turn in 10-26 To NEW YORK--(R) Turn in to NY. 10/26
137662	10-23	FR	T	Builders trial held Oct 22; satis. air banks charged from K-5. N
137805	10-24	FR	T	Ready for prelim trial Oct 27; Bailey counter not received. N
137867	10-23	FR		Builders trial; reports on. N To-- Acknowledges receipt. 10/26
137960	10-26	FR	T	Builders trial; satis except cannot reverse without using Ord air flasks; fuel consumption within guarantee.N

N.S.E. Form 134.

FULTON: TRIALS. 498-2

Number.	Date.	From or To—	Subject.
138147	10-27	FR 3406	Builders trial; Oct 26; fwds engine data sheet,etc.N
138217	10-24 10-29	New London Co C&R	Will be ready for prelim trial Oct 27. N Fwd Dept Via Bd I&S-- Noted. 10/31
138226	10-28	FR	Prelim trial; no travel orders required; reqt. that Inspector's representative be not called on to aid trial board.N
138321	10-30	Solicitor	Reqt machy specns fortrial board. N To FR-- Reqt specns. 10/31 FR fwds specns 11-4
138322	10-30	Dept	Copy of orders to board on trial. N
138475	10-30	Phila	Will leave for official prelim trial Oct 30; gives officer who will accompany. N
138631	10-30	FR	Prelim trial; report of Lt. W.J. Childs. N
139015	11-6	FR	Monthly report.N
139008	11-6	FR	Reqt shipping instructions for return of Bailey counters used on trial.N To--Prepare for shipment to NY. 11/9 To NY--Have reqtd shipment to. 11/9 To S&A-- Reqtd shipment FR to NY. 11/9

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FULTON: TRIALS.

1914

Number.	Date.	From or To—	Subject.	
127065	6/9	New London 837	Contractors claim delay of completion due to changing wrist pin bushings.N	
127417	6/12	FR 195	15th payment;reqst.K	
b29499	7-7	FR	Monthly report.N	
129715	7-9	FR	16th payment mreqt. K	
130899	7-21 7-24	New London 1059 FR 2398	Delay in completion of; deduction on 16th payment; fwds contractors appeal against.N Fwd Dept via C&R with rec,7/27. Fwd Dept.8/13. To-- Appvd. 8/28 To FR-- Copy of ltr.	8/28
131249	7-29	FR	17th payment;reqt.K	
131906	8-7	FR	Monthly report.N	
132341	8-14	New London	Weights; scales at ship works will only weigh up to 10,000; suggestions for weighing engines.D To---Bu desires weight in detail.8/17	
132393	8-14	FR	18th payment;reqt.K	
132990	8-21	Bost	24 hour run; analysis of fuel oil.N	

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FULTON-- TRIALS

Number.	Date.	From or To—	Subject.	
133026	8-26	To FR	Req preparation of synopsis sheets of machinery and hull data. N FR dqss 10-24 To-- Appvs. 10/26	
133095	8-27	To Bd Insp & Sur.	Preliminary Trial; instructions to inspector of machinery. Req comment. 8/27 Bd I&S comments 8-29 To FR-- Instructions to Insp on Prelim Trail. 9/2 To Bd I&S-- Fwds copy of above letter. 9/2	
133873	9-4	FR	Monthly report.N	
134547	9-15	New London 1333	Contractors request extension of contract time due to difficulties wit engines, nd ordering larger air flask. N To-- No action at this time. 9/17	
135211	9-23	FR	Trial; unable to give date; dock trial of main engine not yet made.N Fwd Dept Via C&R & Bd I&S-- Comments. 9/26 rb	
135387	9-26	FR	Reqt set of synopsis sheets for reciprocating engine vessel for use as guide. D To-- Fwds. 9/30	
135784	9-26 9-30	New London FR	Fwds plan of trial instruments. N Fwd Bd I&S-- For comment and rec. 10/10 To Groton Via FR--Appvd with comment. 10/17	
135975	10-3	FR	Reqt to be furnished with "Data of Official Contract Trial."N To-- Fwds. 10/7	

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FULTON: TRIALS:

1913

Number.	Date.	From or To—	Subject.	
111717	12-1	FR	7th payment;reqt.NK	
111807	11-22 12-2	New London FR	Proposed payment schedule:.Fwds.N To New London.appd.12/5 To New London fwds form 102.1/7	
111998	12-4	FR	Monthly report.N	
113089	12-18	New L ndon 1992-8	Reqt extension 45 days duedelay in delivery crank shaft.N Rwd Dept via C&R.rec claim be held in abeyance.12/20. RB 1 6 To---quotes Dept's action.1/7	

1914

114074	1-3	New London	Monthly report. N	
114282	1-5	FR	8th payment;reqt.K	
114695	1/9	FR	Monthly report.N	
115364	1-16	FR	9thpayment;reqt. K	
116750	2-2	FR 406	Contractors claim delay due to installing 4 in lieu of 3 gen sets.N	
116746	2/2	New London	Reqt detail 2 machinists mate in connection with	632

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FULTON: TRIALS: 498-2

Number.	Date.	From or To—		Subject.	
117119p	2-7	FR		Monthly report. N	
118859	2-28	FR		10th payment;reqt.K	
119388	3-6	~~Dept~~- FR		Monthly report.N	
120909	3-25	FR		11th payment;reqt.K	
122018	4-8	FR		Monthly report.N	
122851	4-18	FR	1311	12th payment;reqt.K	
124408	5-7	FR		13th payment;reqt.K	
124434	5-7	FR		Monthly report.N	
126482	6/3	FR	1836	Willbe launched June 6th.D Ref. ept. 6-6 rb 69	
126605	6/4	FR		14th payment; request.K	
126631	6/6	FR	T	Successfully launched 9 a.m. June 6th.N	
126660	6/2	FR		Monthly report.N	

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FULTON: TRIALS:PAYMENTS. 1913

Number.	Date.	From or To—	Subject.
100920	7-5	Ne London 9988-8	Claim for delay due to fire in foundry.N Fwd Dept via C&R.Rec question be deferred until completion.7/8 FB 7-28 To---Quotes Dept's action.8/28.
101350	7-10	FR	Monthly report.N
101764	7-17	New London	3rd payment;reqt.K
101855	7-18	FR	3rd payment;reqt.K
102019	7-21	New London 1075-3	Contractors suggest change in method of reporting progress and making payments.N To---via FR.98993-514-2 applies.7/28.
102284	7-17 7-25	New London S&E Co. C&R 28644-E.8	Proposed method of handling payments.N Fwd C&R.7/28.
102992	8-4	New London	Monthly report.N
103378	8-8	FR	Monthly report.N
103479	8-12	C&R 28831-E.1	Fwds New London Co. claim for delay due to non approval of contract plans and specns.N Fwd Dept.8/15. Ret---8/28.
104923	9-3	New London	Monthly report.N

N.S.E. Form 134.

FULTON: TRIALS: PAYMENTS. 498-2

Number.	Date.	From or To—	Subject.	
105027	9-4	FR	4th payment;reqt. N	
105292	9-8	FR	Monthly report.N	
107093	10-3	New London	Monthly report.N	
107349	10-6	FR	5th payment;reqt. K	
107440	10-7	FR	Monthly report.N	
107685	10-9 10-10	New London 5868 FR 3137	Reqt / extension of time due to delay in obtaining crank shaft.N Fwd Dept via C&R.10/13. RB 10 22	
109491	10-4	New London	Monthly report. N	
109649	11/5	FR	6th payment; requests.K	
109885	11-7	FR	Monthly report.N	
111350	11-26	~~GO~~ New London	Monthly report.	
111715	11-24 12-1	New London 1858 FR 3801	Reqt extension time due delay in delivery crank shaft. N	

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[OVER.]

498--2 FULTON

NIAGARA. trials, payments, etc 1912 1

Number.	Date.	From or To—	Subject.
74312	7/25	To Groton	Division of contract price. reqt for N
74312	7/29	New London	Will furnish division of cost in three weeks
77117	8/31	FR 2507	Submits proposed payment schedule.N Fwd C&R asks if satis. 9-16 RB 10-8 To - gives division approved 10/4 To N.L. " " " " Lo/4
77137	8/31	New London 873	Submits payment schedule.N To - approved 10/4
			1913
88087	1-13	New London S&E Co	Reqt. extension of time due to strike of pipe fitters. N Fwd Dept.1/21. RB 1-31 Fwd C&R.1/31.
92360	3-12	New London 343-3	Fwds detailed payment schedule.N Ret--without action; requests re-arrangement.3/15.
92951	3-19	New London	Monthly report.N
92952	3-19	New London	1st payment;reqt.N
93070	3-20	FR 818	1st payment;reqt.N
95306	4/17	New London	2d payment;reqst.N
95300	4/17	New London	Monthly progress report.N

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N.S.E. Form 134.

FULTON: TRIALS: PAYMENTS: ETC. 498---2

Number.	Date.	From or To—	Subject.	
95307	4/17	New London	Payment schedule; fwds revised.N	
95515	4/22	C&R 28831-E.2	Forwards request from contractors for extension of contract time.N Fwd FR asks if lilely to cause delay 4-24 RB 4-30 Fwd Dept.rec disappr.5/1. RB 5-9 To FR via New London.quotes Dept's action.5/10. Ret---5/10.	
96462	5/3	New London 613	Claim for delay due to fire in patternshop.N Fwd Dept.5/6. RB 5-14 To---noted.5/15.	
96565	5/5	New London 619	Requests extension of time due to delay in approval of plans.N Fwd Dept. disapp. 5/8 RB 5-28 To---quotes Dept's action.8/28.	
97561	5-16	FR	Monthly report.N	
97848	5-21	New London 722	Fwds contractors reqt. that method of making estimate on completed plan be changed.N To FR &---comments.5/28.	
98297	5-27	New London	2nd payment;reqt.K	
98296	5-27	New London	Monthly report.	
98485	5/28	FR	2d payment; request.K	
99184	6-7	FR	Monthly report.N	

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[OVER.]

498 -- 3 ~~NIAGARA~~ FULTON

TENDERS FOR SUBMARINES ELEC. Plant

Number.	Date.	From or To—	Subject.	
53553	11/14	C&R	Reqt estimated weights for outfit	498--1
			1912	
			1913	
90330	2/14	C&R	List of C&R elec. auxiliaries.	498--5
95754	4/23	FR 1219-107	Electrical installation; fwds prints.L To-- appd subject mod. 5/5 FR rect. action 5-20 fuel oil tank indicator system.	
108846	10-24	Condit Elec.Mfg.Co.	Asks if Condit circuit breakers acceptable. L To---not considered satisfactory.11/3 Company takes exception 11-10 To---not acceptable.11/14	
		1914		
118160	2-17	FR 594	Deck plans for elec wiring and I-C, lighting.L To---appd with comment.2/25 FR recommends hinge cover type be reatined 3-2 To---fwds copy 118372-498-4 of Feb.24th. 3/5.	
142428	12-16	FR	Finished elec plans; reqt shipping instructions.L Fwd--Fwd tracing to NY. 12/22 rb	
		1915		
144175	1-8	New London	A	

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FULTON: ELECTRIC PLANT. 498 -- 3

1917

Number.	Date.	From or To—	Subject.
223257	4/18	To CO	Quarterly report of elec plant. Will order new searchlight mirror. Instrns re advising other Bureaus of defects in. L
			1918
355672	10/4	CO T	Requisition for storage batteries and spark gaps - ask action taken on - L&R To CO (T), requisition approved 10-14
			1920
514439	9-9	To York Mfg Co	Informs that FULTON will arrive at Phila Sept 16 where rep can inspect ice machine D.
512876	3/23	To CO	Fwds cc of report of elec plant data L CO-fwds annual report of elec plant data-3;2y

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N.S.E. Form 134.

498 - 4 FULTON: INT. COM. SYS.

Number.	Date.	From or To—	Subject.
371735	12;14	9th Dist.	
587749	9;27	CO	Reqt Crosby engine indicator be issued to vessel.L To CO- Gives instrns cc NY 10/4
587858	9;28	Dept	Copy of ind to Ord stating vessel will act as a tender for Mobile Sub Division in connection with torpedo overhaul equipment.L
620671	5/2	To CO	Engine elec Allowance Gives change in cc CO EO SO Ship- Phila L Y

NB—0120

[OVER.]

FULTON: INT.COM.SYS.

1913

Number.	Date.	From or To—	Subject.
101161	7-8	FR 2071	Dial markings for mechanical telegraphs.L To Cory & Son.request prints.8/12. Cory fwds prints 7-14 To---appd.7/22.
1			
110053	11/10	FR	Change in engine indicator dials; est inc cost.L Ret---directs transcribe on NGE form 17, in usual manner and return.11/13 RB 12 8 To---appd.12/4 To Gen Inspr.12/4
		1914	
118372	2/24	To C&R.	Voice tubes; rec.outlets be changed from hinge covered mouthpieces to nose type.L C&R recommends hinged cover; no money available for making change 3-4 To---rec change be not made.3/5.
121838	4-7	Bd on Changes, New London	Change in dial markings engine telegraphs; inc cost. N To New London.appd.4/15.
		1915	
159572	7-3	To NY.	Voice tube calls; authorizes installation of in accordance with item 26c of Report of Bd of Final Trial. L-Y NY submits estimates 7-10 To NY--Gives work authorized. 7/15
275275	1/18	CO	Gun firing generator-request one of the type turned in from B attleship be supplied for charging small batteries.L Wd 1-31
351859	9-25	To S&A	Rqst shipmt gongs NY to Ports L To S&A Rqst shipmt gongs Boston to Ports 9-25 ToPortsmouth,Reqts if mat'l redd, 11-14 Ports. Nov. 18

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FULTON: ELEC LIGHT & POWER: 1920

Number.	Date.	From or To—	Subject.	
485482	2-16	To S&A	Reqst shipmt of rheostat for gen set from Boston to Phila for FULTON L 6336	747-1
549615	3;3	Phila	Fwds preliminary drawings of ship service switchboard-with estimates covering.L To Phila Plan disappvd 3/12 To Phila Fwds lan 3/19 Phila-ships service switchboard-fwds print showing modification-3;25-L To Ph la Ack receipt of Plan-Est appvd 4/1	
565810	5;24	Phila	Submits revised est covering instaln of 50 kw ship service generating set.L To Phila Revision of est appvd 5/28	
565812	5;24	Phila	Submits revised est covering generator and switchboard instaln.L To Phila Revision estimate of Generator and switchboard L D 6/6	
566027	5;25	Phila	Ventilating blower motors for generators. submits revised estimates.L To Phila Grants authy 5/28	
589653	9;27 10;10	CO C&R	Reqt instal elec coffee urn.L Fwd C&R 10/20 Fwd C&R 10/20	
589653	9;27 10;10	CO C&R	Reqt instal elec vegetable kettles.L	

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FULTON ELEC LIGHT & POWER 1922

Number.	Date.	From or To—	Subject.	
617369	4/13	To CO	Electric Plant- Reqst inform rel Generator L CO FULTON 4/17 400 KW diesel engine generators never furnished vessel L	
638534	8/22	To Phila	Booster Set- gives action taken rel L Phila 8/31 Gives name plate data for booster set L	

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[OVER.]

FULTON: ELEC LIGHT & POWER: 1919

Number.	Date.	From or To—	Subject.	
453884	10-25	To CO	Condition of Elec Plant - Advise steps taken to remedy defects in auxiliary generators Nos.1 and 2. L	
		To Inspr GE Reqst work be proceeded with at once . 5-11.	N Lond Sub? Base - 10/31	
			To Boston- fwds copy of letr from FULTON req report 11/7 cc to FULTON Chas NY GE Insp Mass 12-3	
			GE - contrs will send foreman to N. Lond to ascertain trouble - 12/10	
			Inspr Mass-12;11	
			Inspr GE-1;2	
			To Inspr GE. Advise in detail as to the items of repair desired. copy to Inspr Mass and	CO.1-12
			Fwd CO. copy to Inspr GE and Inspr Mass.	1-12
			To Inspr GE- Fwds copy of CO end. re unsatis repairs. copy to CO. 1-21	RB-1;17
			To CO-reqt shipping data-2;26 RB-3;5	
			Inspr GE-3-5	
			fwd Inspr GE 3/9 copy Inspr Boston	RB-3;15
			Fwd CO. copy to Inspr Mass and Inspr GE.	3-11
			To Inspr GE- Reqts make another effort to	RB-3;19
			obtain information. 4-8	
			Inspr GE-4;14-L	
			To Inspr GE- Reqts submit a report of progress.	5-1
			Inspr GE-5;4-L	
			Inspr GE-submits contrs estimate-5;5-L	
		-1920-		
482102	5/21	CO FULTON	Report of test of auxiliary oil engine generating set - D	498-8

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
505567	7-17	To S&A.	Reqst shipmt of Gen set from NY to SO NL 3725 L. RB-7;23-L	
505771	7-17	To Sub Base NL	Turbo Generator Fwds blueprints CC CO L.	
506003	7;16	CO	Submits report of breakdown of 35 kw turbo generator-request another one be furnished.L To CO Gives instrns re marking of box CC Phila Im NY Inspr Westinghouse 7-22 N London Sub Base-8;4-L	
509663	8;4	CO	Gives reasons for failure of Remington oil engine to properly operate.Y To CO FULTON 11/30 CO-12;6-D	
510561	8/11	To Sec Oprns	SUBM AA-1 aux gen set reqst auth have removed 586-5 from and installed in FULTON. LB	
517338	9;3	CO	Alterations to generating sets.L Fwd Phila 10-8 RB-11;12-D&L Fwd Oprns via C&R c Phila 12-6 RB 12/29 D C&R-copy of action to Dept-12;13-W To Philz disapprvd cc CO 12-20	
529854	11;17	Phila	Generating set has operated satis since repairs made by GE Co L	

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[OVER.]

Number.	Date.	From or To—	Subject.	
307546	5-16	Northwestern Manuf Co	25 KW generator being furnished under contract 2632. To J L Martin, C O, Inspr Brook? Fwding prints and template of dynamo footing and coupling to be used in Generator, and commenting on same Inspr Milwaukee - 5-23	5-24
311858	5/29	Northwestern Manfg Co	Sole plate for generator Remington Oil Engine are fwding to NY - L	
325587	5-1	Inspr Brook	Confirms telephone conversation fwding blue print of generator for. L	
344818	9/4	CO T	Unable to locate motor generator manfd by Northwestern Manfg Co - reqst Bureau locate and ship to Chasn - L CO (T) - ask if motor generator has been located and when may expect delivery - 9/16 N Lond Base (T) no generating set can be found at N Lond for - L	
38665	9/21	To S&A	Reqsts shipt of storage bat parts from Phila to Chasn for FULTON LS	629
NY 2632	9/23	To S&A	Reqsts shipt of generator from NY to Chasn for FULTON LS	629
NY 2632	10/1	To Brook	Confirms tel conver rel to oil engine gene ator sets for theFULTON	629

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N.S.E. Form 134.

498 - 5 FULTON: LIGHT & POWER

Number.	Date.	From or To—	Subject.	
5 354737	9/30	Remington Oil Eng. Co.	Generatoring set requested cannot be supplied by Fwd S&A 10-7	L
355672	10/4	Co T	Requisition for storage batteries and spark gaps-ask action taken on	498-3
2632	10/5	Inspr Brooklyn	Confirms telephone conversation stating motor generator set for Fulton shipt to Charleston 9/30	629
3 359267	10/17	Bost T	No generator recd from GE Co for - L To Chasn re turbo generator sets defective blading 10-21 CO Fulton Oct. 25 To Charleston Oct. 21 back Nov. 4	
2 363871	10-25	CO	Oil engine and generator tested and found satisfactory - spare parts for same have not been received - recommends small gear pump be supplied with set L To NY, Rqst list of engine generator spares 10-31	
436143	8-2	To Comdt Phila	Condition of Auxiliary set.(Generating)- Reqts full report on defects with recommendations Expedite. LY copy to CO. Phila-4;3-L	

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[OVER.]

1918

FULTON: LIGHT AND POWER

Number.	Date.	From or To—	Subject.
292121 4	3-14	CO	Remington Oil engine generating set - report on condition of. L
		To Brook(T)-Immediate reply reqted on letter April 4th. Wire answer. 4-11	
		To Brook- Directs that the Remington oil co be communicated with and directed to procure a new generator for the oil engine supplied on contract/ OTHER SIDE	To Inspr Brook- If upon investigation it is found that a second hand generator was supplied get in touch with mfg's and secure a new one. 4-6
		To Brook - (T)Reqt reply re contr 2632. 4/13	~~Industrial Controller Co 4-12~~ 4-15 Inspr Brook-T-New generator available in 10 weeks. R 4-13
		Brook - have furnished Northwest Manuf Co a letter stating delivery of new generator from Remington Co urgent-4/18 CO 10:16	Brook - (T) new generator acn be obtained from North Western M anuf Co in from 8 to 10 weeks 4/12- L
			Brook - Remington Co admit use f second hand generator - 4/12 - L
295843	4-4	CO	New switchboard for auxiliary generating set.
			Brook - Copy confirms telephone messages relative to Remington generator - 4/12 - L
297901	3/27 4/8	CO Atl Sub Force	Oil engine driven generating set - request suitable engine in place of sec nd hand machine furnished by Remington Co - L
298575	4/18	BrPhone Brook	~~Delivery of generator. Ask if delivery in four weeks would be satis. L 4/18 L~~
299002	4/17	Brook	Have twice requested information from Bureau by telephone relative to acceptance of Remington Oil Engine Co's proposition-L
2632	4/20	To Co Fulton	Bu fords copy of ref (B to Remington Oil Engring Co advises matter carefully followed and will help in delry of satisfactory generator 629

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498 - 5
N.S.E. Form 134.

FULTON: LIGHT AND POWER

Number.	Date.	From or To—	Subject.	
OTHER SIDE				
292121		CO	To Northwest Mfg Co Reqts that nothing interfere with delry of generator in four weeks 4-23	
		Inspr Milwaukee 6-10		
ToS&A, Reqts shipmt of generator set, Charles to NY 11-13			To Inspr Milwk-Reqts careful personal inspection of this generator. 4-25	
		To Remington OE Co. Asks if set rec'd 12-17	Northwestern Manuf Co - 4/26	
		Remington Oil Engine Co - 2/12	Milwaukee (T) Northwesters M anuf Co cannot locate Remington order - reqst information 4/29-L	
300382	4-24	To CO	Turbo generating sets- Trouble with first row of blading on rotor of the 35 kw GE set specified as No. 1 auxiliary. inform date and conditions under which buckets were changes so as to take up with General Electric Co. L	
		To NY, re reblading of turbine and testing of oil generator set, 6-15		
To NY, Re status of work on generator set, 6-7				
To Brook (T) Rqst inform re status of work on elec set, defective blading, 9-6			CO 4/29 L To NY - investigate - order new buckets and nozzles 5-7	
NY - handling material direct GE Co -9/9				
To Inspr Boston (T) Wire date del of motor generator, 9-19			CO - 5/9	
NY 9-19 To Inspr Boston (T) Cancel telegram 11519, 9-21			To- Willing to postpone work until Remington oil engine generator set is installed. and tested in accordance with desires expressed. 5-16	
To NY RB 23			NY - 5/15 - L	
Mass (T) Motor generators cannot be located - 10/1			NY - Submits GE Co's quotation on spare parts. L 6-11	
To NY, re defective blading Turbo-Generator Sets 10-7			CO Oct 26	
304407	5-6	NW Manufacturing Co	Relative to furnishing replace generator in connection with Remington Oil Engine Co. L	
			To- Lists spare parts has arranged with S&S to purchase. 5-15	
2632	5/9	CO FULTON	Remington Auxiliary generator--are forwarding blue print of data--request generator 1/2 coupling be sent to manufacturer of new generator and install on shaft.	629

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[OVER.]

1917

FULTON: LIGHT AND POWER.

Number.	Date.	From or To—	Subject.	
259625	11/9	Atl Subm Force T	Reqt Booster Sets ex OZARK now at submarine base be transferred to. 11/9.L To (T)- Transfer appvd. 11-9	
265705	12/6	CO To NY-Fwds letter from Remington oil Co. re delivery Jan 20th. 12-13 NY (T) unable to identify; reqt copy 12-28 To NY (T)-Reqtimmediate reply to letter Dec. 13th. 12-27 NY - 1/6 - L	FULTON - auxiliary generator request switchboard be furnished-reqt data.L To Remington Oil ngine Co. eqt advise if material has been shipped under reqn 627. 12-8 ~~Remington Oil Engine Co - 12/10 - L~~ Remington Co - (T) gives date of delivery (See contract 2632) 12/10	OVER
2632	12-8	To Sub Base New Lond	T Remington oil engine gen set FULTON due delivery N Dec 20th. LS	629
270618	12/28	CO	Installation of foundation for 25 KW oil engine generator set. L To (T)-Appvd. 1-2	
270985	12-28	Phone CO	Foundation for generator set. NY yard unable to install. 12-28	
286913	3-5	NY	Generator sets - spare armiture for - repaired and turned in store. L	

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N.S.E. Form 134.

498 — 5 : FULTON: LIGHT & POWER

Number.	Date.	From or To—	Subject.
265705	1-14	SEE OVER	To Brook-Reqts take up matter of delivery with contractor and inform if delivery will be made on Jan. 20th. L-S 1-14 Inspr Brookn--1/18 To Brook- Report if delivery made and if not when it may be expected. 1-31 Insp. Brooklyn Feb. 6. L. To Brook- Inform if shipt was made on 12th as promised. 2-13 Brook - 2/15 - L & S Brook - 2/19 - L Inspr Brooklyn-engines shipped via auto truck 2-18. L S 2-23 To Brooklyn- Inform when reply to letter Jan 31st may be expected. 2-21
264301	2-20	CO	Spare armiture for main generators. Reqt NY yard store. L To- Appves recommendation. 2-28
265827	2-25	CO	Manuf switch board for 35 KW generating set. L To NY- Mfg of switchboard appvd. 3-4 To- Misunderstanding in re new switchboard and reqts comment on points listed. 3-28 NY - 7/8

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[OVER.]

FULTON: LIGHT & POWER. 1917

Number.	Date.	From or To—	Subject.
238408	7/9	CO	Reblade first stage rotor Curtis turbine 35 K W generator L To NY--Work appvd.7/18
250333	8/27	CO	Auxiliary ~~pump~~ motor-situation reqts motor be expedited.Y To- (T) Reqt not granted. Will apprve reqn latter. 9-21 To--Disappvs install.9/22 To Groton--(T)Reqt quotation delivery NY to 25KW auxiliary gen set. 9/24 Submarine Force, Atl (R) request reconsideration 9/24 To Sub F orce--(T)9/25 New London (T) cannot divert SCHLEY's generating set without delaying completion of vessel 9/25 N Lond - fwds contractors report ~~p~~ 9/27 L Original papers recd via NY 9/27 - L PhoneNew London- Bureau will order another gen for and will endeavor to complete it in record time.9-29 Sub Flt - detailed recommendations 9/30 L Fwd Dept- Recommendations for installment 50 kw oil generating set built for AA-1 be disapproved. 10-1 R B 10/3 CO - (R) Unable to use gasoline set on acct of no gasoline storage and proximity to fire rooms 10/4 L To CO- Can obtain 25 kw gas engine driven set within 2 weeks,will tthis be satis. 10-3 Atlantic Sub. Force 9/20 L To- Bureau preparing set to be built for. 10-5 Phone New Lond--Re purchase of gen set.10/6

Atl Sub Force - confirms telephone call 10/9 Y
NY-10/16.L
To NY- 10-20

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N.S.E. Form 134.

498 — 5 FULTON: LIGHT & POWER

Number.	Date.	From or To—	Subject.
255834	10-20	To COPhone	Generating set building for SCHLEY be installed on. recommended by CO. Informed disappvd. L
256279	10/22 10/23	CO C&R	Auxiliary generator - request authority to have foundation built by the Thames Tow Boat Co - L Fwd C&R-10-24
256317	10/23	CO R	Asks if generator has been purchased - L (T) To CO- Generator ordered from Remington Oil Engine Co. NY City. 10-24
257364	10/29 Fwd Dept. 10-30	CO R	Generating set purchased for FULTON; recommends cancellation of this order and that the SCHLEY set be assigned to. L CO (copy) relative to installation of auxiliary gen sets 10/29 Fwd Dept 10/30 RB Dept disapproves using SCHLEY set 10/30 Dept fwds copy of telegram to FULTON 10/30
257379	10-29	Phone Ny	Generator set. Repairs practically completed except measurements for foundation of oil driven generator set. Reqt be informed re above measurements.
257401	10-29	Phone NY	Generator set. Work under cognizance of hull division for placing of foundations. Reqted take up with foreman of Hull Division practicability of sending foreman of the to take necessary measurements and to build foundation plates at NY Yd for shipt with generator.

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498 -- 5 FULTON: LIGHT & POWER:

Number.	Date.	From or To—	Subject.	
	6-30	To S&A.	Reqn 152; fwds specfns required for purchase of lead burning outfit and motor generator. L-R	
194486	7/24	CO	Gives list of fans on board and location.L	
Survey	11-17 10/19	To CO--	Reqn should be prepared to cover repairs on Edison Storage Battery. LY	
205959	11-17	At Sub Flo	Request that boosters for batteries, reqn 152 be expedited.L NY GE Co may anticipate one mo 11-21 To E-1 via Div 2 Sub Flot Atl Sub-- Instructions. 11/22	
222925	4/14 NY - fwds prints 6/20 D Go NY--Plan appvd.6/30	JAG	Report of Bd investigation damage to armature shaft.L Fwd Dept--5/7 To NY--Instrns.5/7	
225522	4/28	NY	Turbo generator set; reque st drawings showing.L To Crocker Wheeler Co--Ask when drawings of generator set will be fwded. 5/5 To--Will fwd when received from manufrs. 5/5 Crocker-Wheeler Co - Fwds V anDyke 5/9 L To Crocker Wheeler Co--Acknowledges.5/15 To--Fwds blueprints listed.5/18	

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FULTON: LIGHT & POWER.

1915

Number.	Date.	From or To—	Subject.	
163522	8-16	C&R	States leads of elec fans in officers quarters are not properly secured.L To NY work under SE authorized 8/19 RB	9/8
167204	9/22 9/29	CO NY	Estimate for switch panel for controlling machine shop motors.L To NY-- Appvs. 10/2	
168009	10-1 10-7	CO NY	Elec lights in ice mach room.L To NY appd 10/16	
168135	10-11 10-12	CO NY	Reqt lights be installed in ice machine compartment.	
No #	10/18	To NY	Flash light batteries; relative to replacing 675-7	

1916

183294	3-22	CO	Reqt additional second hand motor for individual drive machine tools.Y Fwd Dept-- Rec disappvl. 4/1 To Via Sub Flo-- Disappvl. 4/5	RB 4/5
186268	4-28	Pitts	Turbo generators; reports on test cont 171.LS To CO--Fwds report test. 5/6	
	6-21	ToAtl Sub Flo./ (R)	Reqn 152; asks power available for 40 K.W. booster; will present supply system permit increase. 6/21	

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FULTON: LIGHT & POWER. 1914

Number.	Date.	From or To—	Subject.
121970	4-9	Brook 2093	300 kw generators; fwds test records. S To---shipment authorized.4/13. To Groton fwds test reports.4/13
123483	4-25	Brook	Gen sets; reports rejection rheostats; gives method of tying commutator tangs. S
124840	5/5 5/7	New London FR	Junction box for storage battery charging; fwds print.L To Groton.not appd.5/16.
126512	6/3	New London 809-4	Junction box for storage battery charging; fwds plan.L To - appvd. 6-6
127301	6/11	New London 842	Main generators; contractors claim inc.cost for changes in armature shaft, ladders, plans, and foundations.L To -- inc. cost does not meet Bu's approv.6/17
~~129~~ 130242	~~7-17~~	~~New London 1043-4~~	Maingenerators; inc cost due to changes.L To---Bu concurs in rec that same be disappd. 7/31. To Gen Inspr.request inc cost.7/31. To---in error in referring to Bd on Chgs.8/5
To Bd on Chgs.letter 7/31 sent in error.8/5 Fwd Dept.for decision.8/5 Fb 9 14			
131209	7-30	C&R 3494-E.1	Fwds contractors correspondence relative to increased cost for changing foundations of generating sets.L Ret---comments.8/1. C&R asks if Dept.apvd 10-12
	To--Fwds copy Dept's end.10/14		
130242	SEE ABOVE		To Groton-- Fwds Dept's decision in matter of increased cost for spare armature. 9/18

NB—0120

N.S.E. Form 134.

FULTON: LIGHT & POWER. 498-5

Number.	Date.	From or To—		Subject.	
142423	12-11	CO		Install reverse field switch for main generators.L To--Will not consider at this time. 12/19	
142786	12-19	Bost	3531-472	Range light; recommends installation of after light be cancelled.L To--Appvs omission of. 12/24	
				1915	
143444	12-31	FR		Number of hours gen sets have been in operation.N.	
150206	3-19	NY	145-674-4	Repairs to 300 kw gen set. L To-- Appvs. 3/23	
151133	3-16 3-31	Bost C&R		Stowage of small arms and ammunition; est for necessary lighting/L Fwd NY Via Bost-- Auth. 4/1	
	5-14	To Norf.		Machine shop; motor for coverting certain machine tools to electric drive; asks condition of certain motors on hand. I	
158942	6-24	CO		States combined oil and elec running lights aboard vessel are not navy standard.L Fwd Dept-- Rec disappvs.6/26 RB 6/30 To-- Disappvs. 7/1	
161559	7/23	NY		Reports suitable arrgt has been designed to take up thrust of main generator shaft.N To-- Appvs. 7/27	

NB—0120

[OVER.]

FULTON: LIGHT & POWER.

1913

Number.	Date.	From or To—	Subject.
108654	10-23	New London 1647-4	Gen sets; fwds print.L To---plan satisfactory as a type assembly plan only.10/29.
109299	11/1	New London 1717-4	Switchboard; fwds plans.L To---disappd.11/11
109875	11-7	FR 3425	Reports receipt of 2 mast head lights from Bost; specns require only one.L To---request further information and copies of corres.11/12
110538	11-14	FR 3560	Mast head light; asks if are to be returned to Boston.L To---Directs return to Bost.11/22
111465	11-25	NY	Mast head lanterns; fwds copy of corres giving reasons for forwarding to Bost.L
111536	11-28	Bost 1200	Signal lanterns; fwds copy of corres re shipment of mast head from NY.L
112005	12-4	New London 1922-4	Main generators; fwds plans; contractors claim not required to furnish spare armature shaft. L To---disappd.12/13.
113206	12-19	New London 1997-4	Switchboards; submits plan; states contractors failed to make all modifications requested by Bureau; main bus bars will be permanently connected to aux. switchboard.L To---appd as mod.1/3

N.S.E. Form 134.

FULTON: LIGHT & POWER. 498-5

Number.	Date.	From or To—	Subject.
113233	12-19	New London 1998-4	Motor generators; reqt reconsideration of decision to make shafts interchangeable. L To---no reason for modifying requirements. 12/26
		1914	
114848	1-12	New London 67-4	Reqt approval of main switchboard plans be To---appd; gives interpretation of spcfns. 1/14
115636	1-19	FR 206	Main generators; interchangeability of armatures; reqt. Bu approve at inc cost. L To---& New London. arr. proposed not satisfactory; requirements. 1/24.
116088	1-26	New London 161-4	Main switchboard; fwds print of proposed c Condit circuit breakers. L To---approves use of. 1/30.
116873	2-4	New London 220-4	300 kw generators; fwds assembly plans. L (T) to---Bu cancels approval in letter Feb. 7th. 2/10 To---2/7
117107	2-6	New London 238	Motor generators; fwds prints; recommends use flexible coupling be approved. L To FR. fwds copies of corres. 2/11 To---requirements and instructions. 2/11.
120564	3-21	New London 438	Main generators; fwds assembly, foundation and arrgt plan. L To---appd. 3/26.

NB—0120

[OVER.]

498 -- 5 NIAGARA FULTON

TENDER FOR SUBMARINES: LIGHT & POWER SYSTEMS

1

Number.	Date.	From or To—	Subject.	
53649	11/15	C&R	Reqt copy of searchlight drawings	498--1
			1912	
58102	1/9	Bush Sulzer Diesel Co	NIAGARA: Reqt circular of requirements, weight of engines and generator set	498--1
73804	7/18	New London Ship & Eng.	NIAGARA: elec. equipment, requests change voltage of lighting auxiliary power circuits to 220 volts in lieu of 110 volts.	498--1
76244	8/20	Kerr Turbine Co.	Gen.sets; asks if there is anything in specifications barring their generators from use on.L To-- Communicate with Co. 8/22 To--Take matter up with Contractors 8/23	
81301	10-29	TO New London	Contract light specns. and plans; fwds and gives detail list of various types of fixtures, etc. L	
82364	11/12	To New London	ARDOIS keyboards will be changed, dr 1986.	711--1
90330	2-14	C&R 29214-E.1	1913 List of C&R elec. auxiliaries. L	

NB—0120

N.S.E. Form 134.

FULTON: LIGHT & POWER SYSTEMS. 498---5

Number.	Date.	From or To—	Subject.
91122	2/21	C&R 27735-E.2	War head and small arm stowage: fwds print: Invites attention calls for magazine light.L To---Bu approves location of mag.light.2/28.
92437	3-12	FR 708	Portable vent. sets; fwds copy of order placed with Turtevant Co. Plans not yet appvd.L To---test will be made at Co's works.3/21 FR 3/24.S
100739	7-1	FR	Switchboard; fwds specns and print covering.L To---plan appd.7/11
102404	7-25	FR Light	Lighting switchboar d;,prints,specns;etc.D To---appd·7/29.
103144	8/7	To Bost. To Bost & NY directs masthead lights be returned to Bost.11/22 Bost asks re supply of lights 9-21 Fwd Ports-- For comment. 9/28 rb 10 16	Signal lights; directs furnish certain material from stock.L To Phila via S&A.directs ship certain material from stock.--~~Bos~~To S&A reques RB 8-30 shipment.8/7 RB 8-20 TO Bost instruns 9-13 Bost estimate for supplying. 8-23 Bost corrections 8-26 To-Boston has prepared Reqn covering material 8/30 Fwd S&A 9/3
104831	9-2	New London 1338-1	Generators and switchboard; reports refusal to order inspection due to failure to submit assembly plans.L. TO -L concurs 9-13
105819	9-13	FR 2839	Connections between switchboards and generators and charging outlets; fwds b/p.L To--appd 9/20

NB—0120

[OVER.]

498-6

FULTON RADIO 1922 4

Number.	Date.	From or To—	Subject.	
653064	12/8	Phila	Break key system. Fwis prints W	
			To Phila- rel shipment of break key system 12/20	

4—3381

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
569982	6/20	To Phila	Reqst status of Marconi 2 kw spark set reported on change sheet 5/28 assigned to FULTON W	898
585657	9/17	To CO	Amplfier Name Plate Data:Reqst inform W CO-no amplifier furnished-9;22-W	
609009	2/14	To CO	Action withheld pending inform rel disposition of amplifier W R RB 2/23 W CO FULTON 3/15- Request action T. W. To S&A Reqst shipment of Amplifier from Washn to CO 9900 3/16	
639287	8/22 8/24	CO Atl Sub	Request auth to survey radio apparatus listed W To CO USS FULTON- Survey of radio matl. 9/1 W cc Atl Sub Flotillas. Atlantic Sug 9/28 Co Rqsted apparatus listed be furnished Y To S&A Reqst shipment of mat from Washn to CO 1231 10/7 RB 10/30/22 W RB 3/17/23 W To S&A Reqst shipment of mat from Brook to CO 1230 10/7 RB 11/2 W To S&A Reqst shipment of mat from NY to CO 1229 10/7 RB 11/2 W To NY- Rqsts name plate data 10/13 W NY 10/31 W	

OVER

4—3381

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N. Eng. 134

FULTON RADIO 1922

Number.	Date.	From or To—	Subject.
639287	FROM OVER		
647720	11/1	To S&A 1414	Reqst shipment of equipment from washn to SO Phila W RB 3/23/23 W
651883	11/29	Phila	Rqsts Title SE 1899 long wave receiver be furnished. W To S&A Reqst shipment of receiver from Washn to CO 1648 12/4 To S&A Reqst shipment of receiver from SO-FULTON to SO Washn 1650 12/4 CO 3/16 Receiver not received W Fwds S&A - 3/24/23

4—3381

[OVER.]

FULTON: RADIO

Number.	Date.	From or To—	Subject.	
360192	10/19	CO R	Request radio apparatus - W	
340036	3;4	SEE CARD #1 CO	To CO(T) rqst infrom re tranfer of radio apparatus 10-22 To CO- Reqts acknow rect of apparatus. 2-26	
365286	11-1	Charleston	Request authority to draw radio material from store	W
385234	1-16	To S&A To CO- Reqts that the new quenched spark gap be installed immediately and placed in operation. 3-17	Reqt shipt one 5-kw quench spark gap from Boston to CO. W RB 3;1 CO fwds requis. 3;1;19	
CHASN NSA	1583 2-10	To SO WASHN	Info reqst re status of reqn-	
417398	5-13	To Comdt Norf via S&A.	Radio apparatus for. Lists material reqts action be taken to show delivery. W	
457067	8/1	N Lond Sub Base To S&A- Reqt shipt wavemeters from New London to Wash. 8-9	Reqst authority to ship 2 wave meters to manufacturers for repairs and return - W To Comdt Washington- Lists radio material tobe shipped from New Lonon for repair. 8-9 copy to New Lonon Sub Base.	

4—3381

N.S.E. Form 134.

498-6: FULTON: RADIO:

Number.	Date.	From or To—	Subject.
510302	8;3	CO	Request authority to turn in obsolete radio apparatus listed.W To CO FULTON 8/12 CO-8;27-W To CO Turning into storefrom FULTON to nearest yd 9-3
517339	9;3	CO	Change location of radio room.W Fwd Phila 10-9 RB-10;26-W Fwd Operns via C&R. 10-29 RB-12;6-W C&R-copy of action to Dept-11;24-W To CO di sappvd cc Phila 12-9 C&R-copy of action to Dept-4;1-W
551462	3;11 3;14	CO Phila	Request change location of radio room.W Fwd Dept via C&R 3/22 RB-4;18-W C&R-copy of action to Phila-4;16-W To Phila Relocation of radio room authd 4/20 cc CO-C&R Phila-submits estimates-5;16-W To Phila Estimates appvd 5/20
560063	4/27	To Phila	Bu ~~will~~ upon receipt of survey will decide what equipment shld be placed on board FULTON.W To CO- Auths survey of set 4/27 Phila-5;18-W To Phila Reqst listed app reinstalled- 6/11 cc CO Phila-submits est-6;16-W
568876	6/11	To Phila	Confirms tel conversation between Capt Murfin and Comdr S C Hooper re survey of radio set W

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498 -- 6 FULTON

Previous correspondence see MOTHER BOATS

1

NIAGARA Tender for SUBMARINE (1912)

Number.	Date.	From or To—	Subject.	
54869	11/29	C&R	Re provisions for wireless telegraph room in contract plans	498--1
		1914	1913	
124416	5/8	To Bost. NY and S&A.	2-kw radio set (Cont.18623); request shipment from NY to Bost; request est for installation. 2-kw set, contract 591, should be assigned to BENHAM.W To Bost. Install 2-kw set (assigned FULTON) on PAULDING.--To S&A.reqst shipment from Norf to Bost.of 2-kw set for FULTON.7/1	
134263	9-9	Bost 3537-472	Radio set; estimate, plans,etc.W To-- Appvd. 9/12	
162057	7/28	CO	1915 Alterations to radio set.W Fwd NY--Authoried. 8/3 RB 8/14	
163447 VOID	7-24 8-10	CO Bost 3122-345	Repairs to ice machine, machine tools, gen sets, pumps, main engines, piping, blowers.	
163461	8-13	NY	Reports inspection of installation; plans. W To appd 8/17 (installation of wave changer)	
			1916	
184710	4/12	CO	Reqt improved radio outfit.W Fwd S&A--Reqt be furnished from Wash.4/17 To--Submits reqn in future when supplies are required. 4/17	

NB—0120

N.S.E. Form 134.

FULTON 498 — 6

Number.	Date.	From or To—	Subject.	
208155	12/12	To S&A	Reqt shipt of one ultraudion detector and amplifier from Wash to. W	
208164	12/12	To S&A	Reqt shipt of one remodelled type Pierce Wave meter from Wash to FULTON. W	
		1917		
263100	11/24	Sims copy	Request field radio set·W	
263893	11-30	To S&A	Reqt shipt 1/4-kw portable radio setfrom Boston to New London CoN/ W	
269222	12-22	Sub Signal Co	Relative to repairs to radio set - fwds estimate - L	498-7
338089	8/8	CO	Rqst rec ship turn in stores. To CO, authorized to turn in radio receiver 8-27 New London sub chaser 9-16 request auth. to turn in Radio. 9-16 To CO, authorizes the turning of radio 9-2 0	
340036	8-20	Atlantic Submarine Force	Request radio apparatus - W To S&A Rqst shipmt radio apparatus Wash to CO 9-4 To Atl Flt, re radio equip rqstd. 9-6	

NL 9-11 Request authority to retian
IP 76 set as a spare - W
To N Lond, authority grnted 9-23

NB—0120

[OVER.]

SEE CARD 2

Number.	Date.	From or To—	Subject.
320991	6-26	CO	Request information as to frequency of inspection of sub-signal apparatus by manufacturer. L To CO, commenting on inspection signal apparatus 7-1
353760	9/26	Commanding Officer Fulton	New London Base 9/28, requ instructions as to disposition of K tube material. L. 797
438570 9	7;28 8;13 Fwd S&A	N Lodnon Sup Base S&A via Comdt Phila. 8-18	Request disposition of oscillator gear on board. L&C Phila-request disposition of oscillator gear-4;2-W To SO Phila Reqst that oscillator gear be placed in stock 5-13. Phila - 5/12 - W
565977	5;5 5;25	CO Phila	Request overhaul valves in bell mechanism also overhaul hose connections.W To Phila Repair appvd cc CO 6/13
582544	8;24	Phila	Reshipment of spares for Y tubes.W To Phila Gives Action cc CO Hamp Rds-Sub Div #15 8/30

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

FULTON: SUB SIGNALS. 1917

Number.	Date.	From or To—	Subject.	
254604	10/13	CO	Reqt microphones be installed.L	
256239	10/22	Sub. Signal Co	Fwds copy of request from CO to install two tunes microphones L	
30255	10/22	Sub Sig Co	Reports shipment of oscillators for.	629
256424	10/24	Submarine Signal Co T	Request instructions relative to repairs to submarine signal apparatus.L To- When oscillator is installed on bell apparatus will be removed no repairs to bell will be authorized. 10-25	
258254	11/2	Atl Sub Force R To (T)-Tuned microphones for FULTON shipped to Supply Officer NY about Nov. 3rd. 11-19	Request 2 microphones be shipped for installation by ship's force.L Comdr Sub Force (T) asks action taken	11/17
258484	11/2	CO	Submarine bell spare parts reqt.L To- Keel type oscillator will be installed when vessel is next available. 11-5	
258384	11-3	To S&A	Reqt shipt of tuned microphones from Bost to NY for FULTON.	711-3

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N.S.E. Form 134.

FULTON: SUB SIGNALS. 498 - 7

Number.	Date.	From or To—	Subject.	
262288	11/20	Submarine Signal Co	Contract 2235 - reports shipment of 2 tuned microphones - L	
~~269222~~	~~12/22~~	~~Sub Signal Co~~ 6	~~Relative to repairs to radio set - fwds~~ estimate - L	
278528	1/31	Sub Signal Co	Fwdsreport of inspection submarine signal -L	
278888	2-2	Submarine Signal Co	Fwds inspection reports for ROCHESTER, VULCAN, FULTON, Submarines N-1 to 3. L	711-3
280765	2-12	Phone NY	Reparis to oscillators - Auth installation FULTON oscillator on and reqted that ARKANSAS oscillator be sent to Submarine Sig Co. for repairs. L	121-7
285384	2-21	CO	Fwds bill for overhauling submarine signal bell. Fwd Washington D.C. 3-5	798-7.
290130	3-15	At Sub Bottilla	Requests listening-in apparatus for. L	

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[OVER.]

498 -- 7 FULTON

NIAGARA: SUBMARINE SIGNALS:

Number.	Date.	From or To—		Subject.
66115	4-10	Sub'Sig.Co		Sending and receiving; recommends sending bell be installed in tube in bottom of boat.L To F.E.Chapin; requests information.4/13.
				1913
98981	6-7	C&R	29561-E.1	Contractors reqt. data on.L. To FR.gives information.6/9. Ret---6/9
110732	11-17	FR	3605	Signal apparatus; asks if type has been decided upon.L Fwd C&R.11/22 RB 1 29 Ret---request plan.11/29. RB 1 15 C&R reqt action 1-6 To C&R.plan has been requested.1/9 To---reqst plan.1/9 Fwd C&R.tube shown on plan is satisfactory.1/16 RB 1 27 To---propised tube not appd.1/27.
				1914
122102	4-9	FR	1203	Sig system; reqt information.L To Submarine Sig.Co.reqn being prepared; request plans.4/13 To--4/22
1 22927	4-17	Sub Sig.Co.		Fwds prints proposed installation. L To--4/22
124023	5-2	FR		Reqt details for wire of. L To---Bu has no plans.5/12.

NB—0120

N.S.E. Form 134.

FULTON: SUB. SIGS. 498 -- 7

1914 2

Number.	Date.	From or To—	Subject.	
126258	6/1	Sub Sig Co	Fwds assembly drawing of pneumatic submarine bell with electric control; will install this type on FULTON	711-3
128453	6/23	FR 2054	Requests copy of regn covering submarine signals to be installed; also what contractors are supposed to furnish.L To---Fwds copy S.E.regn.86.7/1.	
138214	10-29	To New London.	Bill for submarine signal set; fwds bill for 50%; reqts return with report. K RB 11/9--installed but has not been tested.	
179433	2/15	Sub Sig Co 1916	Fwds tracing showing sending apparatus installed on	515-7
221344	4/3 To G-1--Directs submit infor reqted at once. 7/26 U S S G-1 - 7/30 L	Sub Sig Co	1917 & E-1 and G-1; fwds inspection reports and bills.L To CO--Ask if in good condition.4/11 To G-1--Ditto.4/11 To NY--Rec bill for FULTON be paid. 4/21 To G-1--Reqt reply.6/18	RB4-19
144	4/9	To CO	Regn withheld pending receipt of infor as to whether or not mircrophones are carried as spares on vessels under command.	
222985	4/16	CO	Relative to repairs to 2 microphones; fwds letter from the Submarine Signal Co relative to.L Fwd CO--4/21	
31	8/22	To CO	Disappvs diaphragm for operating key of submarine cell. LR	

NB—0120

[OVER.]

FULTON MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.	
638566	8/21	Dept	Instructions in conn with holding material inspection.Y To Bd I&S-- Fwds corres from files 8/22 Board IS 10/16 Returns corres Y	1
640649	9/6	C&R	Copy of letter to Phila. auth docking. c Y	
641056	9/11	C&R	c Copy of letter to Bd I&S fwding correspondence rel to material inspection.Y	
643588	no date	Board I&S	Material inspection held 9/12. Y Bd I&S- 10/30 Y	
644555	10/5	CO	Matl readiness for war Y	

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N. Eng. 134

FULTON MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.	
645888	10/8	cO	Material readiness report. Y Fwds Operns via Ordn 10/24	
646498	10/25	Operns	Available Phila October 1 for repairs Y	
654153	12/21	To Phila	Preparation of Estimates- reqstd Ys	
654564	12/21	Phila	Copy of letter to Dept stating estimates for work have been fwd to respective bureaus. Y	
654566	12/21 12/22	Phila Ship Div 7 C&M	Submits estimate on work incident to material inspection Y Fwds Dept 1/11 RB 1/18/23 Y Dept To Phila- Gives action taken cc CO 1/20/23	

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[OVER.]

Number.	Date.	From or To—	Subject.	
585970	9/19	To CO	Specens a d Operating Instructions for engine-revolutions Fwded D	
		1922		
604233	1/12	Subm.Flot. Copy	Vessel completely disabled due to broken boiler race. Y Atl.Sub.- Marine Flotilla- Copy-Rqst tug be sent from Norf. to Chasn. 1/13 Y Dept- Copy telephone conversation with Norf. ref to/ 1/13 Y Dept- Copy of telegram to Atl.Subm. Flot directing TEAL tow vessel to philadelphia. 1/14 Y Norf- Confirms telephone conversation rel to. 1/16 Y Sub Div 1/16 copy. Vessel arrived Hamp Rds Y	
606820	1/25	Dept	Copy of telegram to Phila. making vessel available for repairs. Y	
607515	1/17	CO	Request remove charging booster set. D. To CO- Via Phila- Grant's auth copy 2/11 Phila- Subm name plate data. 2/27 L	

4—3381

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N. Eng. 134

FULTON MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.	
608889	1/1 2/9	CO C&R	Report on material readiness. Y Fwd Operns 3/18	
621597	5/1	Dept	Copy of telegram to Phila directing vessel proceed to Norfolk to rejoin Div 15. Y	
624874	3/31 5/22	CO C&R	Submits report on matl readiness Y Fwds Operns via Ordn 6/2	
632101	7/10	Dept	Vessel detached as tender Submarine Div 15 assigned flagship Atl Sub Flotilla Y	

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[OVER.]

498- 8

FULTON: MACHY PLANT

Number.	Date.	From or To—	Subject.
412052	4;17	Phila	Req. vandyke of Bu drawing 12-P-050 D To- Prints included in those fwded in Bu letter of 4-12th. 4-19
455093	10/30	N Lond Sub Base Copy	Vessel docked - AY
456854	11/8	N Lond Sub. Base Copy	Vessel undocked - A
482102	no date	Bd I&S	Report of material inspection held Feb 10th.Y To CO-Reqts detail report of operation of engine. 3-27 CO-submits report on completed work-3;25-Y CO FULTON - report of test of auxiliary oil engine generating set - 5/21 - D (Cross to 9 & 5)
501854	6;25	Phila (2 letters)	Submits report of Bd of Survey & Est.Y Fwd Dept CC Phila- CO 7-8 RB-7;14-Y Fwd Sec 7/15 RB-7;23-Y To Phila Reqst work to be proceeded with in accord with auth CC CO-EO Phila 7-16 fwd Sec 7/30 RB-8;5-Y To Phila. work auth 8/9 ~~Phila-asks if item 14 should be cancelled-9;1-Y&D~~ Phila-reqt info rel to boilers being furnished-10;11 cross to 10/Y&D
517341	9;3	CO	Alterations operating gear for exhaust valve-new fuel oil heater-changes to refrigerator plant.D Fwd Phila 9-28 ~~Phila- Subm estimates. 11/11 DY~~ Fwd Operns 12-7 RB-12;13-D To Phila Gives action cc CO 12-14

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N.S.E. Form 134.

498-8: FULTON: MACHY PLANT:

Number.	Date.	From or To—	Subject.
526483	9;3 10;27 10;30	CO Phila C&R	Request install oil stuffing tank in fuel oil compartment-alter motor boat davits/etc D Fwd C&R. 11-3 C&R-copy of action to Phila-11;12-D&Y
550096	3;5	Depy	Vessel will be detached from N London Sub Base.A
551530	3;14	C&R	Fwds booklet of gen plans.D
555184	3;22 4;2	N London Sub Base Dept	Report on readiness of vessel.Y To Phila- Del of boiler mat not expected before april 27 4/12 RB-4;16-Y Fwd Phila4/20 RB-5;6-Y Fwd Operns cc Phila 5/11 RB-5;14-Y
564258	5;13	Dept	Copy of letter to Phila stating July 1st as date of completion.Y
568758	6;9	Phila copy	Vessel docked.A
569823	6;15	Phila copy	FULTON undocked-BELLE ROSE follows.Y
572289	6/30	Phone to Phila	Satutory limit Y

1917

FULTON: MACHY PLANT.

Number.	Date.	From or To—	Subject.
248395	9/8	NY	Reqst machy VanDykes - D To- Fwds prints. 9-19
249558	9/15	CO	~~Wooden~~ auxiliary power-Reqt action on letter of Aug 27 (not recd).Y Fwd - Co. 9-18
251466	9/26	Dept	Proceed to NY for docking Oct 15th - Y
257318	10/29	Sub. Force Copy	Fulton has been ordered to Submarine base N Lond - A
			1918
297118	4/11	Atl Sub Flotilla	Ready for distant service - requires muffler valves - A 9
301935	4/29	Dept Copy	Not to be sent to Base 13 in the near future - Y

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N.S.E. Form 134.

1917

FULTON: MCHY PLAT. 498 - 8

Number.	Date.	From or To—	Subject.
328105	7/6 7/17	CO Dept	Quarterly report on readiness for war service - Y ~~Rexdep~~ Fwd Dept, 8-17 R B 8/22 Fwd Chasn 8-23 R B 9/6
346013	9-5	Charleston	Repairs - confirms telephone conversation re installation of boiler etc - D&Y
		1919	
387466	1;2 1;20	CO Dept	Report of new Commanding Officer Y Fwd Ordnance via C&R- 1-27RB 1;31;19 Fwd Operations. 2-4-19
402653	3;14	Phila	Req. machinery vandyke D To E.O. Phila- Fwds prints. 3-17
407443	4/1	Phila	Request set of machy plans - D To E.O. Phila- Fwds prints reqted. 4-12 To E.O. Phila - Fwds roll of photostats of machyplans. 4-25
408660	4;4	Phila	Req. misc. engine drawings D
411752	4/17	Phila	Request van dykes listed - Y To- Prints fwd 4-12 included reqted in your 4-17. 4-18

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[OVER.]

1915

FULTON: MACHINERY PLANT.

Number.	Date.	From or To—	Subject.	
151149	3/27	3rd Div At Subs	G-2: engine troubles will prevent trip to Pensacola; FULTON unsatis as convoy	393-9
152601	4-16	Bd on Changes, New Lon	Extra sets of machy plans; inc cost.N Fwd Dept-- Rec appvl of. 4/20 RB appd 4/26 To Groton-- Fwds copy report;appvd.4/29	
154229	4-17 4-23	CO At Torp Flo	Reports on condition and movements of; breakdown machy,etc.Y Fwd Dept-- Noted 5/8	
159221	6-29	CO	Alterations to ice plant, strainer on spare air line to main engine, vapor line from feed tank, change lead steam line to galley, separator on line to gen set.N To NY--Reqt est and rec. 6/30 NY submits est items 1-2-5 7-3 To NY--Appvs. 7/8	
159749	7-3	NY	Submits estimate for changing location of ice machine, install new condenser, larger distiller pump, shift location boiler. YN Fwd Dept--Recommendations. 7/7 RB 7/15 To--Auth aurhtozed. 7/17 Fwd C&R-- 8/3 RB 8/5	
161620	7/26	Dept	Date of completion extended to Sept. 30th.Y	
166029	9-15 9-16	NY Dept	Recommends date of completion be extended from Sept 30 to Oct 16; recommends against -~~hull~~ working shifts.Y Fwd Dept--Rec appvl of. 9/18	

N.S.E.Form 134.

FULTON: MACHINERY PLANT. 498-8

Number.	Date.	From or To—	Subject.	
166265	9/20	Dept	Repair li mit extended to Oct.15. Y	
168999	10-21	Dept	Repair limit Nov 1	
171620	11/17	Atl Torp Flo	States is not seaworthy and is fitted only for duty as station ship where not exposed to rough weather or chances of leaking.DH Duplicate via Dept, requesting report 11-20 Fwd Dept--Noted. F2/6	
177838	1-31	NY	Finished plans; alterations and additions; fwds tracing. DH To--Ack receipt of. 2/9 To--Fwds additional plans. 2/11 To--Reqt action. 5/22	
191916	6-24	Dept	Military inspection. Y Retd Via Ord-C&R-S&A-M&S--Noted. 6/28	
194256	7/14	CO	Alterations independent connection between main exhaust line and exhaust from circulating pump; connect steam fire and bilge pump to main drain; build checker brick side walls furnace of Roberts boiler. Y&DH Fwd NY Via C&R-- Work authorized. 7/24 RB 9/26	
211842	1/19	To Key West	Fwds full set of vandyke machinery plans of.D	

1917

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[OVER.]

FULTON: MACHINERY PLANT.

1914

Number.	Date.	From or To—	Subject.	
137221	10/17	Dept	K-1-2-5-6 and FULTON ; have been organized as 4th Division, Submarine Flotilla; gives home yard of FULTON after commissioning	497
138165	10-17	C&R 30470-E.2	Stateroom; fwds print showing proposed assignments.D Fwd Dept 11-18	
140022	11-14 11-17	New London FR	List of finished plans.D To FR-- Appvs. 11/24 New London recd action 12-18 To-- Gives action. 12/22	
141297	12-3 12-4	Cox & Stevens C&R	Recd authority to publish article. D. Fwd Dept--Fwds draft of article. 12/8	
142424	12-11	CO	Alterations; safety valve easing gear; reducing valve evaporator line, connections between stop valve, reducing valve and pressure gage; radiator in eng room.N	
			1915	
144536	1-14	New London	Vandyke finished plans; asks if Bu will require negative in lieu of positive reading prints.D To--Vandykes acceptable. 1/16	
145720	1-27	New London 132	Vandykes of working drawings; fwds. D.	
145709	1-27	Bost	Will be ready for sea Feb 20. Y	
145922	1-30	Dept	Date of completion extended to Feb 20.Y	

N.S.E. Form 134.

FULTON: MACHY PLANT. 498-8

Number.	Date.	From or To—	Subject.	
145983	1-30	FR	Finished tracings; reqt shipping instruns. D To-- Will be shipped to Bu: 2/2 To S&A-- Reqt for shipment. 2/2 rb 2/12 FR list of machy plans fwd by express 2-11 To--Send plans to Groton. 2/25 To S&A-- Reqt for shipment. 2/25	
	To Norf-CO-Chas-NY-Bost-States plans will be fwd as soon as ready. 2/25 To Groton--Fwds tracing & index. 2/25			
146358	2-3	CO	Close fire room, install 2 motor driven forced draft blowers, install relief doors in side box and casings of boiler; manhole plates; also request auxiliary Diesel engine capable of driving 50 kw generator for use with auxiliaries. DN To--Gives work authorized. 2/8 To Bost-- Reqt estimates on above. 2/8	
148192	2-19 2-25	Bost 3115-472 Dept	Work auth by SE will delay vessel until March 10th; Dept request explanation of authorization without report to Dept. N Fwd Dept-- Comments on. 3/1	
149755	3/13 3/13	CO NY	Submits list of urgent work. N&Y Fwd C&R-- 3/17 RB 4/17 To NY--Gives work chargeable to Govt and contractors. 3/17 To NY--Gives appro to be charged. 3/22	
150894	3-28 3-29	CO Dept	Not ready for sea without help. DH Fwd Dept-- Noted. 4/1	
150915	32222 3-23	At Sub Flo Dept	Relative to delay in securing services of. N Fwd Dept Via Ord-S&A-- 3/31	
151205	3-31	New London 427	Finished machy plans; fwds. D.	
151180	3-31	New London 428	Estimate inc cost due to furnishing 5 extra sets of plans. DH Fwd Dept-- Reqt appvl of. 4/2 RB appd 4/7 To-- Change appvd. 4/7 To Gen Inspp--4/7	

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NIAGARA: MACHY PLANT.

1913

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Number.	Date.	From or To—	Subject.	
89424	2-4	C&R 27735-E.6	Fwds profile and section plans.N	
90958	2-21	New London 251-4	Fuel ~~oi~~ feed pump and spray air valves for handling gear; b/p.N To---appd.2/28.	
90689	2/21	To FR & New London	Bu requires all orders placed by the FR Co. for material shall be fwd to Inspr FR through New London Ship & Engine Co. N	498-23
92447	3-12	C&R 27735-E.3	Fwds outboard profile and section plans.N	
97250	5-12	FR 1450	Arrangement of machinery in engine and fire rooms; b/p.D To---appd as mod.5/22.	
101621	7-15	C&R 27735-E.16	Genl.arr. deck plans; and outboard fittings; print.D. To-- satisfactory 8/4	
104611	8-23 8-23 8-28	Waterbury Castings Co New London 1311-8 Hart	Reqt. waiver of defects in iron castings.S Fwd Hart- granted 9/3 RB 9-10	
105347	9-8	New London 1383-4	Fwds print of Sump tank, starting flasks, guards for oilers and circulating and oil pumps.D TO --auth 9-12	

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N.S.E. Form 134.

FULTON: MACHY PLANS. 498-8

Number.	Date.	From or To—	Subject.	
106150	9-15	New London 1422-4	Fwds plans forced lubrication, Macomb strainers, fresh-water tanks, main engine parts. D To - gives file numbers 9-24	
106579	9-25 9-26	Beth Steel Co Beth	Bolt material; reqt. waiver if bending test.S Ret -- appvd 9-30 RB 10 10	
118432	2-21	New London 303	Fwds print indicator gear, valve gear discs, etc. D To---gives Bu·file numbers.3/9.	
123807	4-23 4-27	New London Ship & Eng Co Dept	Reqt permission to furnish International Marine Engineering with description and photos. C Fwd Dept.no objection.5/2.	
131197	7-30	Dept	Repair limit Aug 29.Y	
132232	8-13	New London 1162	Finished plans; asks if satis to submit working tracings in lieu of. D Fwd FR.for comment and rec.8/17, rb 8 24 To Groton Via FR-- Disapprvs. 8/25	
135345	9/25	Lt. S. E. Holliday	Reqt be furnished with two sets Bureau SE standard tables for use on FULTON	634
137186	10-16	New London	Furnishing of finished plans for; reqt action be expedited.D Fwd-- Reqt further information.10/19	

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FULTON MAIN ENGINES 1922 13

Number.	Date.	From or To—	Subject.	
623740	5/13	S&A	Main engine air compressure cylinder of FULTON for use as spares. Suggest allotmt be made covg. K	602

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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FULTON: MAIN ENGINES:

Number.	Date.	From or To—	Subject.
582201	8;23	Phila	Fwds plans of new propelling machy.D To Phila Plans assgd file No; Gives comments 9/13 Phila- Fwds drawings showing instln of new propelling machry. 2/8 D To Phila Plans apsgd file- comments on 2/16 Phila 4/20 Fwds prints showing arrangement & details of tail clutch D
		1922	
605004	1/16	CO	Report on casualty to main engine thrust bearing. Y
605223	1/16 1/18	CO Dept	Report of main engine thrust bearing casualty, submitting request for alteration. YD. Fwd Operns 1/21
605359	1/20	Ports (T)	German type main thrust bearing available. D To Ports (T) Reqst inform rel spare thrust bearing 1/19/22 To Ports- Shipment authd cc Phila-S&A-Operns- Div 15 1/21 To Phila- Gives Action cc Ports- Opern -Div. 15 1/21 To S&A Reqst shipmt of thrust Bearing from Ports to Phila 9616 1/30 RB 3/11 Y To Phila Gives Action taken 2/1 Phila. 2/1 D Phila- Subm estimates cov manufg of new thrust shaft. 2/7 D. To Phila- item of work approved 2/11 To Phila ask if shipment recd 3/7

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N. Eng. 134

FULTON MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.	
610874	2/22	CO	Report on casulty to main engine YD C - Copy action to Dept. 2/25 YD	
611827	2/22 3/1	CO Dept	Subm report on casualty to main engine- request new main engine air compressor cylinder be furn. Y Dept- Request N.Y. ship cylinder to Phila for. 3/1 Y CO FULTON (T) Request issue instrns to N.Y. to ship cylinder by express.	3/6 Y
605359	FROM OVER		Phila 5/4 Repairs to bearing not warranted Y To Phila- disposition of thrust bearing cc CO 5/10	

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N.S.E. Form 134.

FULTON: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
450977	10-10	N L Sub Base	Main engine repaired, given dock trial and is in operating condition. Dept-10;14 Fwd Operations via Navgn. 10-20	Y
			-1920-	
482102	5/21	CO FULTON	Report of test of auxiliary oil engine generating set - D	498-8
496603	6-1	To Operns via C&R.	Reqst alterations listed be[illegible] appvd and ship made available at Phila. D.	
	To Phila	Cancells let even date 11-19	C&R - copy of action to Dept - 6/8- D C&R-copy of action to Phila-6;28-D	
		Dept-interchange of engine approved Nov 18-11;20-D	To Phila appvd	
		Phila-proposed arrangement of machy fwds print with comments on-11;29-D	To Operns Reqst action cc Phila 11-8 letter cancelled	
514780	8;30	Phila	~~To Operns Gives inform re shipmt of engine 11-18~~ cc Phila Exhaust system and sea chest-reqt prints. D fwded ~~To Phila Gives inform re plans of machy/9-20.~~	
496603	5	SEE ABOVE	To Phila Reqst to le furn with list of all auxiliaries in ves listing kind of driving power and approximate power input reqd D. 12-7	
	Phila-1;25-D L&Y		To C&R. Gives inform 12-23	
	To EO Phila	Gives inform 1/28/21	To EO Phila via Comdt 12-23	
		Phila-arrangement and details of fly wheel clutch fwds print for comment-2;9-D&L	To Phila Gives instrns 12-30	
	To Inspr NL	Gives instrns 2/12/21	C&R-effective hp curve-fwds prints-1;5-D	
		Phila-fwds prints with comments-2;11	Phila-ask probable date of fwding propeller drwgs-1;11 cross to 14	
	To EO Phila via Comdt-	Gives inform re shipmt order 2/17	To Phila plans [redacted] ten days from date 1/13/21	
		Phila-proposed arrangement of machy fwds prints-2;16-D	To EO Phila Gives Inform 1/14/21	
	To EO Phila via Comdt	2/18	Phila-1;12-D	
	To EO Phila Fwds Vandykes	2/19/21	To Phila Fwds cc of est 1/24	
	Phila-fwds prints-3;12-D		Inspr N London-2;25-D	
			To Phila Fwds Vandyke 3-1	
			To Phila Gives instrns 3-1/21	

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[OVER.] O

Number.	Date.	From or To—	Subject.	
529608	2/14/21	To S&A	Reqst shipmt of cylinder nissco engine from Brook to Phila 6310	322-9
			To Phila (T) make similar instln motor buzzer trans on Des BARRY & POPE 1/10 W.	
496605 3		SEE OTHER SIDE	Fwd O-I-C Brook- Re Shipmt of auxiliaries for Nlseco engine for- cc E Phila Y RB-3;22	
		To Navy Sup Dep-3-17-RB-3;31 copy RB- with prints		
		To Comdr NY- Considers re-design of new propellers 8/19 Do	To Dept Reqst Authy to instl engine and to purchase suitable flywheel and governor 3/25 RB-3;30	
			NSD-4;1-Y	
			To Comdt- Rqsts report 8/3 Do	
			Sub Div 15-comments on-8;16-D	
555184	4/12	Fwd Operns	Re Readiness of material cc Phila Y	
565000	4;25	Smith and Serrell	Francke flexible coupling bought by NY yard for one purpose and used for another purpose-probable cause of failure of.D	
570015	6;15	Inspr N London T	Reqt authority to ship by express fly wheel for to Phila.Y	
			To S&A Reqst shipmt of flywheel from NL to SO Phila 7874 6/17	
			To Comdt Phila Flywheel 7/23 Ym	
			Phila returns copy of shipment order June 17-8;2-Y	
577964	7;29	NSD	Reqt disposition of scavenger cylinder liner mfgd for Y&R	
			To Off-in-Charge- Rqsts further inform 8/3 Ys	
			NSD-8;8-Y	
			To SO Brook- Rqst rings be fwd 8/16 Ys	
			Supply Depot Brooklyn-8;18-Y	
			Phila 8/31 Request disposition of scavanger cylinders on hand for L-1 to 4. Y	
			Fwds S&A 9/5 Ys	

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FULTON MAIN ENGINES.

Number.	Date.	From or To—	Subject.
355208	10;1	Charleston To operations	Confirms telephone conversation relative to cylinder heaters Y
374031	12;2	Exp. Station 710	Preliminary report on test of 1153 cranks shaft forging for S To Inspr Pitts, re crank shaft forging, 12-4 Ins. Pitts. copy of instructions to Erie 12-6 S
388633	1;24 3;25	CO Phila	Rqst. Mfg. tubes for fresh water cooler and air cooler on main engine Y Fwd Phila. 1-28 RB 4;5 To Comdt Phila. copy to CO-Lists work reqts inform if can be done at Phila. 3-20 RB 4;5 To E.O. Phila- Fwds prints. 3-29 To Comdt Phila- Auth work - 4/7
397274	2;20 2;28	Exp. Stat Pitts	Test 1153- B crank shaft forging fwds test-report S o Inspr Pitts- Acceptance auth etc. 2-26
408335 4	4/4	N Lond Base T	Main engine scavenger cylinder cracked - request authority to order new one - Y To CO- Bur sees no reason why this cannot be manfd at Phila Yd- 4/5 To N Lond Base (T) Disapproves purchase- 4/5

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N.S.E. Form 134.

FULTON: MAIN ENGINES

Number.	Date.	From or To—	Subject.	
409015	4;7	4th dist.	Copy - FULTON HAS STRIPPED GEAR on crank shaft Y	
409015	4/7	3rd Dist T	Engines disabled - Y.	
410160	4;9	NL Fwd Comdt Phila. 6-30 To S.O. New London- Advise if material received. copy to CO. 7-30-RB-8;6	Req. auth. to obtain main engine scavenger cylinder for operating valve mechanism for repairs Y To Comdt Sub Base New London- Reqts submit reqn to obtain gear from Boston gear Works. copy to Comdt Phila. 4-12 To Comdt Phila- Reqts mfg immediately two main engine scavenger cylinder linder castings. copy to Comdr. Sub B. N. London. 4-12 RB 6/22 To S&A- Reqt shipt 2 scavenger cylinder liner castings from Phila to FULTON. 6-14 R B 7-31 Phila 6/26- Submits report re shpmt of main engine cylinder liner castings.	
6 411038	4-17	To Westinghouse and General Elec Co's GE Co-7;28 Westinghouse E&M Co-submits proposition with prints.8;13 Westinghouse E&M Co-submits revised data-9;2	Installation of elec drive. Inform if in position to bid on this installation. Dt Westinghouse E&M Co will submit quotations 4;21 G E Co- Recommends use 750 KW Turbo Generator set without exciter - Westinghouse E&M Co submits proposal covering installation of propelling equipment with prints 6;2 Westinghouse E&M Co fwds description of equipment with drawing 6;27 D	
34481	6/16 6/23	Erie Forge Co Inspr Pitts.	Fwds print showing slight errors in crank shafts for FULTON- rqst acceptance. S.	629
440242	8-19	To C&R	Changing of main Engine. Plans for the new installation will be furnished as soon as completed in this Bureau. 8-19 RB-8;23	

1918

FULTON: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
274584	1/5 1/17	CO Dept	States main engine disabled for removal of cranked crank shaft - Y Fwd Operations(material)- 1-18	
283867	2-20	C O	Crank shaft for main engine - states chamfering of ends to conform to old shaft will delay completion about 2 days. D Fwd via Comdr Sub Force. 2-27 R B 3/13	
32546	2-20	Insp. Erie & Inspr. NYYD	Fwds. sketch of material on crankshaft for the FULTON: excess left; request instructions. D.	629.
32546	3-2	S&A.	Copy of letter to Erie Forge Co. directing that excess material on shaft for the FULTON be removed and amount deducted from the invoice. S.	629
293971	3/16	CO	Manuf one second stage air compressor cylinder for main engine - Y To NY- Work auth as reqted. 4-2	
297900	4/6	CO	Request 2 forward sections of scavenger pipe main engine. To NY—A uth work.4/16	
297118	4/11	Atl Sub Flotilla	Ready for distant service - requires muffler valves - A	498-8

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N.S.E. Form 134.

FULTON: MAIN ENGINES) 498 - 9

Number.	Date.	From or To—	Subject.	
304646	5/7	CO	Request manuf one spare main driven cam shaft gear for main engine - Y To NY- Work reqted auth. 5-9	
298792	4/18	To Atlantic Fleet	Sub Force--Request that crank shafts be machined to furnish dimensions and store at NY	498-14
34175 0	8-27	To NY	Rqst survey and disposition of crank shaft be reported, 8-27 NY - 10/17	
344923	9-5	Phone Chasn	Comments on cracked piston head and cylinder heads Phone NY, Re shipmt engine cylinder head pattern, 9-5 Phone NY, re patterns for, 9-6 Phone Inspr Groton, re mfg of main engine cylinder head, 9-6 To Inspr Groton, re mfg of cylinder heads, 9-7 Charleston 9-6 telegram patterns for correct piecing received To Inspr NL, re main engine cylinder heads, 9-10 To Chasn(T), 9-5 To Inspr N L, re mfg of main engine cylinder heads Phone Inspr N.L. re mfg of above, 9-6 Phone NY re patterns for, 9-6 To Chasn	D 9-7
348991	9/16	CO R	Request Chasn be authorized to issue cylinder heads for use as spares - Y To Chasn (T) mfg authorized, 9-16 To CO, re spare cylinder heads, 9-17	

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FULTON: MAIN ENGINES.

1917

Number.	Date.	From or To—	Subject.	
254421	10/9	CO	Manuf working cylinder for main engine and ~~six battery links for piston cooling system~~ Y	
	To NY- Urgent repairs under Bureau S E 10-13			
32	10-12	To Erie Forge Co	Reqt exepdite fwd section of crank shaft for	629
32546	10/19	Erie Forge Company	Suggests forward section of crankshaft for the FULTON; will be forged Oct 27th.	629
262829	11-24	To NY (T)-	Refer form N.S.E 131 card 19 Nov. 21 wire source section crank shaft. Is not this for FULTON. 11-24 NY (T) reports received from New Orleans for transshipment to MACHIAS. 11/24	
263935	11/28	Sub Force - T	Crank shaft broke in No - air compressor - D	
	To Pitts- forward crank shaft sup contract 32546 can be delivered. 12-3 Phone New Lond- Asked status crank shaft. 12-7 Phone NY-12-11 Phone Sub Force ATL FLT- 12-12	(T)-Wiree earliest date	Erie Forge Co. Jan 1st, 18 will take steps to expedite. 11-30 To Pitts- Directs to expedite inspection and shipment of crank shaft. 11-30 R B 12/6 ~~Atl Sub Flotilla - asks earliest date of delivery; should be expedited even at increased cost 11/30 - D~~	
263489	11-28	To NY	~~Cranks shafts. Fwds plans. 11-28~~	D
265897	12-8	Phone New Lond	~~Crank shaft for. Asked information relative to.~~ Y	

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N.S.E. Form 134.

FULTON: MAIN ENGINES. 498 - 9

Number.	Date.	From or To—	Subject.	
266189	12/1	CO	Fractured crank shaft - request that replace shaft be accepted - Y To- Fwds prints. 1-9	
266189	12/1	CO	Submits report on fracturing crank shaft ~~main engine - D~~ To CO Sub Force CHICAGO-12-17 RB 1-5	
263935	12-13	SEE OVER	Phone NY- Yd will require 40 working days to machine crank shaft. Y To Pitts-12-17 R B 12/26 ~~To Pitts-Advise if shipt will be made Jan.2·12-26~~ Phone NY-Crank shaft to be completed on or before Feb. 27th. 2-11 To S &A- Reqt shipt one fwd section of crank shaft from NY to ATL FLT. 2-26 Phone NY- 2-26 & CO RB 3-5 Y	
32546	1-8	To Pitts	Auth accept of crank shaft forgings on contr for FULTON. S	629

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FULTON: MAIN ENGINES.

1916

Number.	Date.	From or To—	Subject.	
188503	5-16 5-20	At Sub Flo Dept	Oldham coupling is injuring main engine; request removal. D Fwd NY--Appvs recommendations. 6/3 To NY--Appvs installation. 6/12 NY Franke coupling; will proceed to install after July 16 6-28 Fwd Dept-- 7/1	RB 6/10
190792	6-5 6-13	CO At Sub	Reports crack in water jacket No 6 cylinder main engine.	
197352	8/17	CO	Request spare cylinder for main engine.Y Fwd NY 8-24 RB 9/18	
201345	9-28	CO	Reports cylinder head No 6 main engine cracked.Y Fwd NY--For action. 10/7	
			1917	
Reqn 108	2/8	To CO	Proprietary reqn for purchase of engine piping disappvd. D	
215907	2-15 2-22	CO At Sub	water jackets of main engine cylinder heads cracked; Fleet Commander states oxy ~~acetylyng~~ acetylene welding unsatis; request NY repair elec arc welding.Y Fwd NY--Appr 2/26RB 3-6 Fwd At Sub--3/6 RB 3-14	

N.S.E. Form 134.

FULTON: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
238488	7/12	CO	Request that coupling between main engine crank shaft and main generator shaft be re-arranged and thrust bearings provided in the generating shaft Y Fwd NY—7/18 R B 7/30 D To NY—Reqt add'l copy of plan.8/7 NY - fwds plans 8/10 D To NY—Plan appvd.8/15	
245489	8/20	CO	Strained forward section of main engine crank shaft Y Fwd Dept—8/24 R B 8/28 Fwd NY—8/29 R B 9/12 To Sub Base—(T)Work auth.8/29 To NY - Bureau take steps to provide new crank-shaft for FULTON. 9-13	
246275	8/24	CO	Manuf working cylinder Y Fwd NY—8/30 R B 9/30	
248000	8/30	CO	Request spare crank shaft be furnished - Y To Atl Sub—Are providing.9/17	
249730	9-13	Dept	Sent to Ny for repairs about Aug 14th.Y	

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FULTON: MAIN ENGINES.

1915

Number.	Date.	From or To—	Subject.	
146721	2-3 2-6	Bost S&A	K-5-6: lub oil and fuel oi; fwds bills. N Fwd S&A-- Rec payment. 2/10	
152510	4-10	Lisle, T.O.	Results of 48 hour shop test; apparent discrepancy; reqt corrected data. N To-- Gives data on. 4/19 Lisle corrects Bu figures 6-23	
155479	4/1 0	Gen Elec Co	Relative to dimensions of 50 kw oil engine.D	
159719	7-1	CO	Cylinder heads 1 and 2 cracked; reqt contractors replace. N To Groton--Reqt contr's replace. 7/10 New London--will expedite 7/26	
160604	7-14	NY	Spare aie line; strainer for; plan. Reqt.DH	
160676	7-13	CO	Post trial exam. - main eng. air compressor cooling pipes	498-2
161222	7-17	CO	Main engines; reqt jig stand for lining up piston and connecting rod; print.Y Fwd Dept-- Rec disappvl of. 7/22 RB 7/24 To Via NY & Atl Sub Flo--Disappvs. 7/24	
165810	8-13	NY	Air cooling coils for engines; contractors agree to pay for repairs but refuse to pay for cost of new; Yard submits estimate.YN To--Comments on. 9/16 RB 9/25 NY-Identifies coils tested and repaired by Yd.; have no instrns. to supply new set of coils.9/20.	

NB—0120

N.S.E. Form 134.

FULTON: MAIN ENGINES. 498-9.

Number.	Date.	From or To—	Subject.	
167399	10-4	CO	Air compressor air cooler coils; New London Company states not responsible; should be covered by reqn if desired; reqt instuctions.N To--Instructions. 10/12	
170530	10/28	CO	Reports crack 10" long in outside wall of water jacket cylinder #1, main engine.N Fwd Groton--11/8 RB 11/26	
172032	11-23	To CO.	Piston cooling; reqt data on operation of. D-H CO gives data relative to 12-16 To--Reqt further statement. 12/16 CO gives data on time of revolutions, etc, main engine had been in operation 12/27	
181355	3-11	To Dept.	Recommend operation of machinery for the purpose of securing data relative to Diesel engines. D	
182012	3-11 3-16	CO At Sub	Main engine piston; crack in; probably due to failure of lubrication.DH To CO--directed to survey damaged piston and submit reqn on home yard for spare 3/21	
182607	3-23	CO	Reqt authority to turn in cracked engine cylinder and cylinder head for scrap.DH To--Appvs. 3/25	
185684	4-17	CO	Main engine piston; tip of inner piston broken off; probably caused crack in main piston; poor welding. D	

1916

FULTON: MAIN ENGINES. 1914

Number.	Date.	From or To—		Subject.
134550	9-15	New London	1332	Additional air flask; recommends question of furnishing be held up until after prelim trial.D To-- Instructions. 9/17 Fwd FR-- Fwds copy above corres. 9/17
134730	9-17	New Lonson	1331	Main engine; shop test; fwds report. D
134756	9-16	FR	3040	Additional air flasks; arrgt made to supply; recommends be allowed to hold official trials without awaiting installation. D To-- Appvd. 9/19
134798	9-17	New London	1351	Reverse clutch cylinders and details; plan.D To-- Gives Bu file number. 9/28
136113	10-2 10-5	Newlondon Ship & E Co. Solicitor		Reqt representative from American Soc Naval Architects be allowed to witness engine tests.D Fwd Dept-- Comments. 10/6
136232	10-6	New London	3211	Recommends installation of 75 kw generator driven by 4 cycle oil engine for use in charging air flasks main engines.D To Bd I&S--Reqt be tried on trial. Lo/20 To FR-- Matter called to attention of Trial Board. 10/20
137568	10-19	FR	352	Starting air for main engines; nothing on vessel to rpovide; recommends installing belt driven air compressor in machine shop.D

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FULTON: MAIN ENGINES. 498-9

Number.	Date.	From or To—	Subject.	
138417	10-27 10-31	New London Dept	Shop test of Diesel engine; reqt authority to publish in ~~German~~ accompanying article. C Fwd Dept--No objection. 112	
140513	11-25	FR	Reports on trial of main engines, doubtful if vessel can be delivered Nov 3. N	
141098	12/2	FR	Reports of maneuver of main engine in connection with trials	498-2
141418	12-2	FR	States engine had to be reversed back and forth 15 times to reduce air pressure to 200#. D	
142732	12-22	Nav Acad	Trials of Diesel engine; reqt copy of. D. To-- Fwds. 12/28	
142846	12-21 12-23	New London Co. Dept	Reqt permission to furnish Rudder Pub Co. with drawings of engine for publishing. D Fwd Dept--Rec authority be granted. 12/26	
		1915		
144846	1-12 1-16	CO At Sub Flo	Recommends installing additional heavy oil engine in lieu of additional boiler; states Roberts boiler installed will not answer requirements. D	
145844	1/29	Exp Sta Test 505	Texaco Ursa oil for use on engines of FULTON; report of test	692

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[OVER.]

FULTON: MAIN ENGINES. 1914

Number.	Date.	From or To—	Subject.	
125889	5/27	New London T	Split bushings give trouble; requests permission to use solid.D	
126024	5/27	New London 779	Reports split bushings nipped wrist pin of scavenger cylinders; recommends solid bushings.D To---Bu prefers split bushing design.6/3	
129828	7/13	New London	Heavy oil engines; recommends officers be detailed to observe and study operations of; for SUBS and FULTON	639
130040	7/14	New London	Exhaust pipe and details and expansion ring of main engines; fwds prints.D To---plans disappd.7/23.	
130041	7/14	New London	Fwds engine plans.D To---appd.7/23.	
130142	7/16	New London 1038	Acceptance 48 hours shop trial main engines. Recommends trial be run over due to minor defects.D	
130141	7/16	New London 1037	Report on 48-hour full power trial of engine.D To---requirements of trial.7/18.	

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FULTON: MAIN ENGINES: 498-9

Number.	Date.	From or To—	Subject.
130624	7-23	New London T	Contractors reqt permission to run 48 hour engine trial prior to 4 one hour trials; recommends approval.D. (T)to---requirements.7/23.
130582	7-23	New London Co. T	Reqt authority to make 48 hour test before shop test.D
130814	7-26	New London T	Engine; made excellent non-stop 48 hour run; water cooling system leaks slightly; will remedy; reqt instructions re making another 48 hour run. DN (T)to---require contractors make absolutely tight.7/27.
131107	7-28	New London	Reports on engine trials.D
131377	8-1	New London	48 hour engine run; completed July 26; only defect slight leaks in fresh water system ; 40 pounds pressure.D To---requirements.8/6
131676	8-5	New London	48 hour engine run; fuel oil used on; fwds sample for analysis.D Fwd Bost.request analysis be made of oil.8/8 for reply see 132990-498-2 from Bost New London reqt action (T) 8-28 To-- Gives report of test. 8/29
132846	8-22	New London	48 hour non stop run of engines completed; showe improvement over previous runs; dismantling for weighing. D
133951	9-4	New London 1301	Strainer for engine spray line, and special engine tools.D To-- Gives Bu Nos. 9/16

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FULTON: MAIN ENGINES. 1913

Number.	Date.	From or To—	Subject.	
104429	8-21 8-22 8-23	New London S&E Co Inspr FR 2620	Crank shaft; defective; recommends rejection.S Fwd FR- recom. acceptance 8/29 RB 9-9	
104470	8-26	New London 1284	Plug for engine air starting flasks; b/p.D To -- 9-12	
104763	8-29	New London 1315 -4	Arr. machy,etc. D N.L. reqt. action 9-12 TO -- instructions 9-13	
104829	9-2	New London 1331	Main engine; fwds print and description of Franche coupling proposed for use on governor between main engine and main generators. D To Inspt. N.L. will only approve on Contractors responsibility 9-11	
105347	9/8	New London	Fwds print of sump tank, starting flasks, guards for oilers, etc	498--8
106150	9/15	New London	Fwds plans forced lubrication, etc.	498--8
106297	9-22 9-23	Waterbury Castings Co. Hart	Iron castings for; reqt. that waivers be granted on castings that passed regular requirements of Navy Specns. S Ref. Insp. N.L. have Conts. write letter for author. to make change 10-1 RB 10 17	
110325	11-12	FR 3501	Floor plates, ladders, gratings in eng and fire rooms; prints.D To---appd.11/22	

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FULTON: MAIN ENGINES: 498-9 1914

Number.	Date.	From or To—	Subject.	
115899	1-23	New London 153-4	b/p Scavenger valve; fwds.D To---Gives Bu file number.2/2.	
122251	4-11	New London	48 hour shop test of engine; contractors have not a sufficient number of indicators to take indicator cards simultaneously. Reqt instructions. N Fwd Bd I&S.for comment·4/14. RB 421	BELOW
		Advisable to purchase and keep in Trial Board outfit for use on Diesel engines a set of indicators. Not take simultaneous cards from all or a no. of cylinders, etc.		
		To New London 4/22 Fwd.Dept.4/22		
122730	4/17	To New London	Engines; request report when shop tests will take place.N	
122767	4-18	New London	Shop test of engine started Apr 15; will continue 2 weeks.N	
122865	4-18	New London 595-13	Main engine tests; at least 2 weeks before ready for shop test. N	
122251		SEE ABOVE	New London 4/29; contractors are arrangeing to provide indicators for shop test. Schaeffer & Budenberg are only concerned furnishing suitabil indicators.N	
125587	5/23	New London T	48-hour full power run engine; will start May 26th.D	

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FULTON: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
94912	4-11	New London 501-4	Fwds wrist pin plans. N To--appd with mods. 4/19 To---instructions.5/17.
95062	4-17	FR	Main engines; fwds print of cam and vertical shafts, and lub.oil pump,etc.N To New London--appd.4/19
95853	4/25	New London 577-4	Wrist pins for main engine; forwards contractor's comments re change in composition of.N To---requirements.5/26.
95963	4-25	New London 578-4	Main engine spray valves for; fwds b/p. N To---appd 5/6.
96498	5/2	New London 606	Cylinder head; fwds prints with comments of Inspector.D To---appd.5/7.
96677	5/6	New London 631-4	Fwds plans showing proposed changes in wrist pin brasses for main and air compressor connecting rods.D
97244	5-13	New London 685-4	Internal oil piping for working piston cooling oil; b/p.D To---appd as mod.5/15.
97854	5-21	New London 726-4	Main engines; fwds plan of working and scavenger pistons,governor rods, handling gear,etc.D To---appd.5/24.

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FULTON: MAIN ENGINES: 498-9

Number.	Date.	From or To—	Subject.	
98122	5-24	New London 763-4	Clutches; fwds print. N To---plans appd.5/27.	
100115	6-21	New London 905-4	Fwds prints engine valves, handling gear, rocker arm,etc.D To---appd as mod.7/1.	
101113	7-8	New London 1004-4	Cylinder relief valves; b/p.D To---appd.7/16.	
101104	7-8	New London 1003-4	Air starting flask for main engines;b/p.D To---appd.7/16.	
101205	7-9	New London	Fwds engine plans.D To---Gives file numbers.7/17.	
101426	7-8	New London 1018-8	Iron castings for cylinders; contractors claim delay in securing presence of inspector at Waterbury Castings Co.S Fwd Hart.for comment.7/14.RB 7-19 Ret---7/21. RB 7-26	
102686	7-29	New London 1129-4	Handling gear; valve diagram and cam set; fwds appvd. prints.D To---Gives Bu file numbers.8/5.	
102764	7-31	New London 1146-4	Water and oil cooler for lubrication;b/p.D To---appd.8/5 Ne London gives list of changes in specns involved. 8-12	

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[OVER.]

498--9 ~~NIAGARA~~ - FULTON

TENDER FOR SUBMARINES. MAIN ENGINES, ETC.

Number.	Date.	From or To—	Subject.
54487	11/25	To New London	Reqt lubricating oil capacity of submarines 32-35 or 36-39, re stowage on. D
54773	11/27	New London	Gives capacity of lubricating oil tanks on Subs.32-35 for use in figuring capacity of oil tank. D.
			1912
59785	1/26	Busg Sulzer Bro	Reqt auth. to construct at works at Winthur. Fwds to Dept. rec. purchase of material abroad be permitted. 498--1
			1913
88767	1-28	C&R 27735-E.2	Arr. of engine; fwds contract plans New London Ship & Engine Co.D.
90965	2-20	New London 246-4	Fwds plans of engine parts.N To---appd as mod.3/1.
91264	2/25	New London 282-4	Main engines; fwds miscellaneous plans.N To---appd.3/10. To---instructions re wrist pins.3/14.
91344	2/27	New London 290-4	Engine plans; fwds .N To---appd as mod.3/7. To---par 3 of letter of Mar.7th withdrawn, and crank-shafts are appd as shown.3/14.
91335	2/27	New London 288-9	Crank shaft; requests certain tolerances.N To---appd.3/6.

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FULTON: MAIN ENGINES: 498-9

Number.	Date.	From or To—	Subject.
91534	2-28	New London 296	Engine plans; fwds misc.N To---appd as mod.3/12.
92230	3-10	New London 338-6	Material for construction of main engines; gives title used on drawings and corresponding Govn. abbreviation.L To---comment and requirements.3/14.
92450	3-12	New London 350-4	Housing for main engines; fwds prints.N To---appd.3/22.
92590	3-14	NYS 357	Crank shaft; reqt. approval of plan as submitted; higher grade material not necessary.N
92774	3-17	New London 373-4	Nickle plating of springs for main engine.N To---requirements.3/22.
94028	4-1	New London 444-4	Engine clutch details; b/p.N To---not appd.4/10.
94137	4-3	New London	Scavenger valves;b/p.N To---appd as mod.4/11.
94481	4-5	New London 467-4	Main engine; fwds print of mufflers.N To--appd sub: to mod. 4/16
94564	4-8	New London	Main engine; fwds plan relief valve, compressor valves, splash plates, and turning gear. N To---appd·4/15.

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[OVER.]

FULTON BOILERS 1922

Number.	Date.	From or To—	Subject.
640070	8/24 8/29	CO Atl.Sub.	Request remove forced draft blower from present location and reinstall on starboard after fire room bulk head. D. Fwds CO 9/19 RB 10/21 Y To CO- reqsts for estimate 10/26
640046	8/24 8/29	CO Atl.Sub	Request install asbestos lagging on under side of berth deck. D Fwds C&R 9/6 Dt

4—3381

Number.	Date.	From or To—	Subject.	

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FULTON BOILERS

Number.	Date.	From or To—	Subject.
537538		SEE CARD 5	To S&A Reqst shipmt of heater from Boston to Phila 7068 4/19 Y
	Phila- 8/10	Material received 5/31. Y	To S&A Reqst shipmt of fuel oil heater from Norf to Phila 7117 4/22 RB 5/28 Y
			S&A-two feed pumps fwded from NSD April 5 to Phila-4;29-Y
			Phila-copy of action to Dept-5;5-Y
			To S&A Reqst shipmt of material from Squantum to Phila 7478 5/18
			Phone to Phila- re boiler for eagle boat 5/18
			To Phila Gives action taken 5/18
			Phila-confirms telephone conversation in connection with shipment of boiler for-5;17-Y
			Phone To Phila- Gives Action 5/20
			Phila-confirms telephone conversation relative to boilers for-5;18-Y
			To Comdt Phila- Asks if mtl has been recd 8/3 Ym
525285		SEE CARD 5	To Phila Boilers Gives action 5/13 Y
			Phila-submits estimates-5;17-Y
			Phila-submits estimates-5;24-Y
			To Phila increase in estimate 5/25
			To SO Ports Reqst Inform 5/31
			Ports-6;14-Y
579276	8;5	Phila	Engine room distilling plant-fwds print.D
			To CO reqst definite info 8/12
588730	9;1	CO	Reqt replace present evaporators with two others of navy type-D
over	9;30	Atl Sub Flo	Fwd Operns cc Comdr Atl Sub Flo 11/2 RB 12/5 D
	10;4	Dept	Dept-copy of action to CO-11;3-D
		To S&A Req t shipmt of Distilling Plant from Phila to CO Ship 2465	
		Fwd CO-via Phila-1;13-D 1/5/22 RB 2/18/22 D	Fwd Operns 12/13 RB 12/28 D
		To CO---Asks status of material	2/18 RB 2/23 Y
		To CO Gives action taken cc C&R-	Phila- Atlantic 3/4/22

4—3381

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FULTON BOILERS 1921

Number.	Date.	From or To—	Subject.	
595924	11/2 ~~11/15~~	CO Dept	Request auth to relocate ships evaporator - fwds sketches. D Fwd Operns via C&R Ordn 11/18 RB 12/14 with sketch D Ordn- Copy action to Dept/ 11/30 D. To Phila-1;13-Dt C&R- Copy actiont to Phila 2/15 D	
60				
602212	12/27	C&R	Copy of letter to Phila. authorizing instln of Griscom Russell Co. evaporators. D	
588730	from OVER		CO 3/5 D. To CO- comments on evaporators cc Phila 3/18 Phila- CO Request auth retension of present evaporating equipt. 3/22 D To CO Recmdn approved cc Phila 4/1	

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[OVER.]

FULTON: BOILERS.

FILE No.		From or To— (Dated)	Subject.	
273732	1/14	Almy Water Tube Co.	Boiler Fwds prints of boilers - D To- Fwds prints as reqted. 1-28	
280659	2-9	Almy Water Tube Boilxer Co.	- Boilers placed on car Feb. 8th. X Will send a man to install. D&Y To Mass (T)- 2-14 Fwd New London. 2-14 Mass (T) - Recommends insp of boiler at N Lond - S-2/14--RB--2/23	
272268	2-9	To CO SEE CARD 4	Boiler for Order placed with Almy Water tube boiler Co. Shipt to be completed not later than March 1, 1918. Y	
347897	9-12	CO	Radio request Charleston be authorized to install two burners - Y To Chasn (T) Installation authorized, 9-13	
480867	3;8	CO	Request authorize replacement of steam turbo for avaporators. D&Y To- Replacement should be obtained on a suitable reqn. 3-13	
501354	10;11	Phila	Request info rel to boilers being furnished. Y&L	498-8

(History Card.)

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498-10: FULTON: BOILERS:

525285 10;22 Phila
Phila-copy of action to C&R-1;7-D
To Phila Fwds Vandykes 1/24
To EO Phila via Comdt 1/25/21
Phila-2;9-D
Phila-2;10-D
Phila-3;12-D
To Phila Fwds shipmt order- Gives shipmt status cc SO Phila 2/17
Phila-plans urgently needed-4;8-D

Relative to conference on condition and suitability of boilers for present purposes.D
To Phila Gives inform 12-6
Phila-fwds copy of conversation held in connection with boiler-12;20-D&Y
To Phila Gives instrns 12-29
Phila-distribution summary of elec sys-fwds various prints-1;7-D

534723 12;10 E.Ball

In connection with payment for water furnished FULTON.M&K
To-- Gives inform 12-21

537066 12;27 C&R

Copy of letter to Phila in connection with replacing boiler installation of board with boiler from eagle 25.D
C&R-copy of action to Phila-1;14-D

537536 1/11/21 To S&A
To S&A Reqst shipmt of heater oil from Boston to Phila 6872 4/6
To S&A. Gives inform re shipmt 4/5
Fwd SO Phila 4/6 RB-4;13
Boston-4;13-Y

Reqst shipmt of Boilers from Ports to Phila 5884 Y
To SO Phila Ask if shipmt recd 3/17 RB-3;22-Y
Fwd S&A 3/24 RB-4;2-Y
To S&A Reqst shipmt of pumps from Brook to Phila 6871 4/6

544137 2/3 To S&A
Phila-copy of telephone conversation relative to forced draft blower casing ordered from Terry Co-6;22-Y
Norf-6;27-Y
To SO Norf Cancels correspondence listed 6/30
To Phila Reqstmat be turned into store 7/2
Norf- 7/5- canc as reqstd Y

Reqst shipmt of draft blower from Norf to Phila 6183 Y RB 3/5/21
To S&A. Gives Change in serial number cc SO Norf-Phila CO 2/7/21
Phila-fwds drwgs showing forced draft blower-3;12-D Y
Phila-submits estimates-4;1-Y
Fwd SO Squantum 4/7 RB-4;13-Y
Fwd Phila 4/16
Phone to SO Norf- rel sheet metal blower casing for 6/24
To SO Norf- rel undesired material 6/24

FULTON: BOILERS. 1916

Number.	Date.	From or To—	Subject.	
176420	12-9	CO	STATES Almy water tube boiler recently installed; will not produce steam sufficient to run auxiliaries; besides being dangerous; recommends installing Talbot boilers, and Purefoy oil burners; reqt be expedited. DH Fwd Dept--Recommendations. 1/18	
177441	1-26	CO	Gives results of test of Roberts and Almy boilers with different types of oil burners; states neither boiler will operate efficiencyand request new DH Cross to 16.	
178677	2/11	To CO	Omissions in log;safety valve setting	680
191839	6-1 6-12 6-24	Almy WT Boiler Co FULTON S&A	Request payment of balance due; ship reports boiler unsatisfactory. DHS S&A request action 7-7 Fwd S&A-- 7/12	
198794	8-26 9-8 Fwd CO-11-6 Fwd C&R-11-17	NY C&R R B 11/15	Fwds plan and estimate in connection with installing boiler room air lock in connection new forced draft blowers. D Fwd C&R-- Plan satis to Bu. 9/14 NY - relative to installation of air lock	10/18 D
207223	11-23	CO	Request cast iron furnace opening and holders for oil burners on both boilers; realign casing over Roberts boiler. Y To Bost--Gives action to take. 12/5	

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FULTON: BOILERS. 498-10

Number.	Date.	From or To—	Subject.	
215936	2-8 2-23	CO At Sub	Roberts boiler; submits report on; fleet commander recommends removing both present boilers and installing ~~bteer~~ better type; has no data on Talbot boiler suggested.D Fwd Dept--2/27RB 3-7 Fwd NY--3/8	
265480	12/1 12/4	CO Atl Sub Force	Roberts boiler - reports on condition of and fwds sample - Y Roberts Safety Boiler Co--1/2	
271002	12-29	To Roberts Boiler Co.	Confirms telephone information that have no man available to send to New Lond to confer with CO Rel to repairs required to Roberts boiler plates. due to large amount of work on hand for France. Y	
271171	1/3	~~Almy Water Tube Boiler Co~~	Boilers - quotes price - D Proposal to use commercial safety vayves and other trimmings will be satis. 1-9	
271174	1-9	To Almy Water Tube	Boiler Co. VOID	
272268	1-9 Phone- inquired if ndew Almy boiler to be purchased was same size as that now on board. 1-15 CO--2/1	Phone CO	Boiler-Has made arrangements to purchase Almy boiler to replace defective Roberts boiler. Y Phone- Reqted new boiler be an oil burning one. 1-9 Atl Sub Force 2/14	

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Card 5

FULTON: BOILERS. 1915

Number.	Date.	From or To—	Subject.	
153691	4-28	NY	Additional boilers; fwds plans showing proposed re-arrgt of fire rooms; reqt instructions re uptakes, smoke pipes, and additional fuel oil pumps.N To--Appvs proposed rearrangement. 5/5	
155016	5-14	NY	Additional boiler; fwds print showing proposed location brick work.N To-- Appvs. 5/17	
150912	5-27	Dept.	Boiler explosion - relieves Contractors of responsibility for	498-2
156956	6-5	NY	Estimate for installing Almy boiler. Y Fwd Dept-- Rec appvl of 6/7 RB 6/9	
157473	6-11	NY	Reports receipt of Almy boiler.N	
157714	6-11	CO	Reports on poor condition of boiler; reqt survey be called on.Y To NY--Reqt examination of boiler with comment and rec. 6/15 To CO--Fwds copy above.6/15	
159749	7/3	NY	Estimate for installing new distiller pump; shift location boiler	498-8
160792	7-15	NY	Test and examination of Roberts boiler.N To CO-- Additions of boiler spares on allowance. 7/22 RB 8/3	

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FULTON: BOILERS. 498 -- 10

Number.	Date.	From or To—	Subject.
161599	7/26	NY	Reqt authority to purchase feed water heater on proprietary requisition from Griscom-Russell Co.N To-- Autyh to purchase. 727
161622	7/7 7/21 7/26	CO NY B&R	Fit smoke stack guides with turn buckles.N To NY-- Appvs. 7/27
164835	8-30	NY	Additional estimate for boiler work.N To--Add allotment gratned 9/10
164926	8-30	NY	Submits additional estimate for examination and testing Roberts boiler.Y
165292	9-7	CO	Top casing of new Almy boilers; reqt be redesigned.DR To NY--(R).Make alteration deemed absolutely essential for safety.9/9
167286	9-28	NY	Boiler work; additional estimate.N To-- Auth work. 10/5
173558	12-4	Phila	Almy boilers; reqt drawings.D TO NY reqt vandykes 12-15 12-15 Phila- Reqt action: 12/21 To NY--Rec action.12/27 To--Fwds print. 12/31
174414	12/18 To-- Comments on. 1/4 To Phila--Furnish CO with 4 steam atomizing burners. 1/4	CO	Gives reasons why report on boilers was not submitted earlier and reports additional leaks from boiler; requisition 85.Y To--Reqt copy of reference; not rec'd.12/29 CO fwds copy of corres 12-31
174944	12/24	NY	Fwds print showing furnace arrangement of Almy boiler, method of installing oil burners, etc.DH (Cross to 16) To--Reqt tracings of above. 12/30 NY fwds tracing 1-4

FULTON. 1915

Number.	Date.	From or To—		Subject.	
145015	1-20	Bost	T	Boiler exploded, completely wrecking casing brickwork, water column and other fittings.C	
145159	1-19 1-21	Bost Dept	R	Explosion firebox boiler; one man seriously injured. N. Fwd Dept--Have auth necessary repairs.1/23 To Bost-- Auth necessary repairs. 1/23 To CO-- Fwds copy of ltr to Bost.1/23	
145201	1-19	Bost	3211-472	Additional boilers: fwds vandyke showing space available in fire room; have forwarded this data to Ward Co., B&W Co., and Bath Iron Works. D	
-----	1-21	To Bost.	(R)	Bu recommends PO postpone opening bids boiler to allow ward submit full proposal. Reqn #161.	
145772	1-27	Bost	3211-472	List of work necessary to complete repairs to boiler.Y To-- Appvs repairs to· 1/29	
145773	1-27	Bost	3211-472	List of alterations to present boiler.N	
146404	2-5	Ward, Chas. Co		Quality considered are low bidders; reqt appointment.R'	
146358	2/3	CO		Close fire room, install 2 motor driven forced draft blowers, install relief doors in side box and casings of boiler; manhole plates	498-8

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FULTON: BOILERS. 498-10

Number.	Date.	From or To—	Subject.	
146927	2-9	CO	Boiler expllsion; fwds photos taken from ☡ To-- Ack receipt of. 2/18	
149029	3-4	Bost 3211-472	Estimate for installing relief doors on Roberts boilers.N	
149031	3-4	Bost	Estimate for re-designing typr of casing enlarging base of uptake,etc. of Roberts boiler.N	
149964	3-17	Talbot Boiler Co.	Proposal to supply 2 oil burning boilers for.DR. To--State contract award to Almy Boiler Co.3/23	
149975	3-18	To Bost.	Transfer of Job Orders; reqt all uncompleted orders and all information pertaining thereto be transferred to NY Yd. N To NY--Add boiler; contract to be awarded to Almy Water Tube Co; instructions re installation. 3/19 CO reqt copy of sketch 3-30 To CO--Sketch may be obtained from Almy Co.4/1	
118	3/23	To PPO, NPO, Bost	Almy water tube boiler; reqt copy of contract be fwded to NY	629
152176	4/10	Dept	Fwds report of Bd of Investigation on explosion to the boilers of.Y	
153322	4-24	NY	Fwds print showing method of installing bruners under additional boiler; (Cross to 16).N To--Reqt two burners be installed.4/27 To Mass-- Fwds copy above. 4/27	

NB—0120

[OVER.]

498---10 FULTON

NIAGARA: MAIN BOILERS: ETC.

1913

Number.	Date.	From or To—		Subject.
90368	2/15	C&R	29213-E.1	Boiler foundations; asks if ramming chocks are to be fitted.N Ret---Rec be fitted.2/18.
91557	3-6	FR	672	Roberts boilers; fwds copy of order; plans not yet approved.N
91957	3/10	To F[illegible]		Order 75447 placed with Roberts Safety W-T Boiler Co, for boiler, approved.N FR have fwd order to Brook. 3-13
92523	3-13	NYS Void	593-934	Fwds plans and comments on arr. of handling fuel oil on merchant oil carriers.D
95925	4-25	FR	1268	Evaporators and distillers; b/p.N To---appd.5/3.
95960	4-26	FR	1285	Feed and filter tank; b/p; too small. N To---not appd.5/6.
98002	9-21	FR	1587	Roberts Water Tube Boiler; print showing arr. brick work,etc. D. To---appd.5/27.
103669	8-13	FR	2523	Arr. boilers; reqt. surface blow valves and way cocks be omitted.D To---omission appd.8/16.
135259	9-23	FR	3098	Copy of letter of protest to New London Co. on raising steam in boilers without notifying Inspector.D

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N.S.E. Form 134.

FULTON: MAIN BOILERS. 498-10

Number.	Date.	From or To—		Subject.
104140	8-14	FR	2539	Fwds print of evaporator & feed heater. D To---plan appd. 8/23
140200	11-20	FR		Reports explosion of gasses in furnaces blowing out all 4 sides of boilers; ship will be delayed. D
142395	12-18	To Bost.		Additional boiler; directs plans be prepared for. N
143417	12-31	FR	4084 1915	Reports number of hours boilers in operation. N
143887	1-4 1-7	CO Dept		Reports leak in front nipple; contractors failed to furnish any spares; fwds to show pitting. N
144133	1-9	Bost	3411-472	Additional boiler; lists work necessary; recommends installing ~~steam~~ small Diesel oil engine with direct connected generator in lieu of new boiler. D
144193	1-9	Bost		Additional boiler; fwds plans of proposed rearrgt machy spaces. D To--Instructions. 1/12
144356	1-11 1-11	FR Co. Bost PO		Boiler; will bid on Yarrow type, providing they are allowed to install and width to extend to 6'. D Fwd S&A-- 1/16
144846	1/12	CO		Recommends installing additional heavy oil engine in lieu of additional boiler; states Roberts boiler installed will not answer requirements

NB—0120

[over.]

498-9

498-11

~~FULTON TENDERS FOR SUBS uAUX MACHRY~~ 1922 5

Number.	Date.	From or To—	Subject.	
647312	10/27	Norfolk	Submits list of boats received from FULTON Y	611-2

4—3381

Number.	Date.	From or To—	Subject.	

498-11 FULTON

TENDERS FOR SUBMARINES: AUX MACHY 1921 4

Number.	Date.	From or To—	Subject.	
596339	11/16	Phila	In conn with condition of sterling engine 3350 installed in 35' motor boat 2853 when issued to CO FULTON Y	611-12
FULTON regn #156-22	11/25	To CO	Sterling engine Missing parts Ye R	
599833	12/10	C&R	Copy of letter to CO FULTON stating 26' motor boats are not available at present time for issue Y	611-2
603476	1/11	To CO USS FULTON	Rqsts revised copy of numbers of hulls and engines numbers Ye cc LOG	611
607556	2/3	To CO USS FULTON	Data required on Power boats not in carbon copies 2/3 Ye cc LOG	611
FULTON regn #156-22	2/7	To CO	Reqsts survey be fwded Ye R	
FULTON regn 58/22	2/18	To CO	Starting motor not suitable R	

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FULTON TENDERS FOR SUBMARINES AUX MACHY 1922

Number.	Date.	From or To—	Subject.	
612754	3/7	C&R	Copy of letter to Phila directing hold boats listed on board NIAGARA in used mtl acct when same are turned into store Y	611-2
617667	4/7	C&R	Copy of letter to NY & Phila rel to assignment of 26' motor boat 8520 to CO FULTON to replace 35' motor boat Y	611-2
618627	4/14	CO FULTON	Request auth to turn in 35' motor boat 2853 Y	611-12
642849	9/28	To USS FULTON	Rqsts correct number of engine in Power Boats. Ye cc LOG	611-2
646310	10/19	C&R	Authorizes FULTON to turn in motor dories 1036 & 4984 Y	611-11

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498-11

FULTON

TENDERS FOR SUBMARINES: AUX MACH 1920 3

Number.	Date.	From or To—	Subject.	
501488	6/24	Norf	30' motor boat 928 shipped to FULTON:Y	611-2
504435	7/14	To FULTON	Reqs report engine number of motor boat 5619- Y	611-2
518762	9/22	C&R	FULTON authorizes issue of 35' motor boat instead of 30' C-928 Y	611-12
533146	12/2	NY	In connection with 35 foot motor boats 5029 and 5030 for NIAGARA. Y	611-12
538155	1/3	C&R	Copy of letter to Phila authorizing issue 30' motor sailing launch to CO FULTON Y	611-2
546729	2/15	C&R	Copy of letter to Phila authorizing sell 30' motor boar 928 and 28' motor boat 5619 turned in from FULTON Y	611/2
553178	3/22	Phila	Engine 3653 installed in 28' motor dory 5619 recd from CO FULTON has been recommended for sale. Y	611-2
556404	4/6 4/7	CO FULTON Phila	Request EE engine be furnished 21' Motor Dory 1564 Y	611-11
556769	4/11	Phila	Van Blerck engine 1723 removed from 30' motor boat 928 recd from Fultnn has been recommended for sale Y	611-2

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N.S.E. Form 134.

FULTON: TENDERS FOR SUBMARINES AUX MACHY 1921

Number.	Date.	From or To—	Subject.	
560384	4/23	C&R	21' Motor Dory 1036 assigned to FULTON Y	611-11
569069	6-10	Phila	EE engine 2318 removed from hull 1664 recd from FULTON has been condemned for sale	611-2
571130	6/22	C&R	Copy of let to Phila disapproving issue of 35' motor boat 993 to CO FULTON Y	611-12
571130	6/13 6/22	Phila C&R	FULTON submits estimate for repairs engine motor boat 3724 Y	611-12
571623	6/23	Phila	Confirms telephone conversation in conn with 35' motor boat 3724 for FULTON Y	611-12
571782	6/25	C&R	Copy of Telegram to Phila authorizing transfer of motor boat 2853 to FULTON Y	611-12
582878	8/31	To CO FULTON	Asks if Motor Boats are on board 8/31 Ye	611-2
FULTON REQN #156-22	10/29	To Phila	Condition Sterling engine when issued to vessel Ye R	
592527	10/28	To CO USS FULTON	Reqsts number of Power boat machry be corrected co LOG Ye	611-2
594920	11/4	CO	Submits report on changed in power boats and machy. Y	611

[OVER.]

498-11 N.S.E. Form 134. FULTON

TENDERS FOR SUBMARINES: AUXILARY MACH. 1919 2

Number.	Date.	From or To—	Subject.	
82746	1/4	C & R	Motor boat 7773 assigned to FULTON Y	611-2
391218	1/21	TO CO FULTON	Asks where necessary spares may be obtained for motor boat engines Y	611-2
389901	1/25	C&R	Cpy of letter to NL Sub-Base auth tranfr 35' motor boat from FULTON to subm base Y	611-2
395965	2/18	C&R	FULTON 35' motor boat assigned to Y	611-2
398109	2/26	C&R	35 ft motor boat 5028 assigned to FULTON Y	611-2
415067	4/30	C&R	Cpy tel to CO FULTON auth transfer 35' motor boat 4528 to New London Base. Y.	611-2
419069	5/17	Fwd C&R	NIAGARA assignment of two 35' motor boats and two 25' motor boats to for use of Chief Atlantic Fleet satis to Bu. Y.	611-2
SURVEY 112-19	6-5	Fwd C&R	does not desire to furnish new engine for motor boat 5619- asks comments Y	

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498-11

FULTON

TENDERS FOR SUBMARINES; AUX MACH.

Number.	Date.	From or To—	Subject.	
433073	7/16	C&R	Copy letter to NIAGARA DIRECTING retain only one boat on board; Y.	611-2
435638	7/26	C&R	Copy of telegram to NIAGARA re motor boats assigned to that vessel; Y.	611
442012	8/26	C&R	Cy letter to FULTON in conn with 35' motor boat for Y	611-2
442013	8/26	C&R	Copy letr to Norf in connection with 30' motor boat for FULTON Y	611-2
443626	9/4	C&R p	Fulton assigns motor boat C-928; Y	611-2
446946	9/22	C&R	35' motor boat 2734 assigned FULTON	611-2
449453	9/23 9/29	New Lond Sub Base C&R	Submits information re assignment of power boats to FULTON.	611-2
457473	11/14	To NIAGARA	Asks report in duplicate Burs number of each engine and correct your copy of log. Yb	611-2

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498 -- 11 ~~NIAGARA~~ FULTON

TENDERS FOR SUBMARINES AUXILIARY MACHINERY L

Number.	Date.	From or To—	Subject.	
53580	11/15	C&R	TENDER, gives list of steam auxiliaries	498--1
			1912	
			1913	
89653	2/6	C&R	Impossible to mfr 15-knot motor boats 40' in length for Submarine Tender, recommends 35', 12 Knot.	611--2
			1914	
128625	6-29	C&R	Assigns boats.Y	
130226	7/18	C&R	Motor dories 1664 and 1665 assigned to FULTON	611-2
142327	12-17	C&R	993 assigned	611-2
			1915	
143253	12/29	C&R	Assigns motor boat 994 to FULTON	611-2
146358	2/3	CO	Reqt auxiliary Diesel engine capable of driving 50 kw generator for use with auxiliaries	498-8
168057	10/12	To CO	Asks if certain power boats are on board	611-2
168448	10/14	FULTON	Reports transfer of motor boat 1305 and 1718 to COLUMBIA	611-2
			1916	
180323	2/26	CO	Reqt new cylinder for engine 2319, motor dory 1665.Y Twd Norf--Furnish material. 2/29 RB 3/13 To--Norf will supply. 2/29	

NB--0120

N.S.E. Form 134.

FULTON: AUXILIARY MACHINERY. 498 -- 11

Number.	Date.	From or To—	Subject.	
183270	3/29	C&R	Assigns motor 2746 to	611-2
193463	7-13	TO CO	Discrepancy in records	611-2
203067	10/20	To FULTON	Reqt examination and report re eerroneous engine numbers reported.	611-2
208662	12/14	C&R	Reports exchange of motor boats between and COLUMBIA 2746 and 1305	611-2
321405	6/28	C&R	Fulton assigned launch 5171 and dory 4964 to replace dory 1665, lost. Y	611-2
330136	7/22	CO	Rqst klaxon horn be added to allowance list for use on motor boats.	498-21
326805	7/17	To FULTON 2	Asks correc of engine in motor dory Y	611-2
348063	9/10	Charleston	and Fulton confirms tel conversation rel to repairs Y	545-8
376804	12/12	C&R	Copy of tele to Burmuda authorizing transfer Motor sailor 1719 from FULTON to TALLAHASSE.	611-2
381089	12/29	C & R	Cpy ltr to Portsmouth in conn w 33' motor sailer and 35' motor boat for FULTON Y	611-2

NB—0120

[OVER.]

N.S.E. Form 134.

498 - 12 FULTON: CONDENSERS: 1920

Number.	Date.	From or To—	Subject.
482011	3-17	To S&A	Reqt shipment condenser tubes from Boston to New London. Y To SO NL Adv if mat recd 6-15.RB-6;21-Y
525573	10/26	C&R	35' motor boat 2860 selected for issue to 611-12 FULTON: Y
588731	9;21 9;30 10;4	CO Atl Sub Flo Dept	Reqt replace present condenser with larger unit.D Fwd Operns cc Comdr Atl Subm flotillas 10/12 RB 11/16 D Fwd Operns via C&R-Bu adheres to recommendation that size be not increased-gives changes to relieve excessive temperature-2;20-Do C&R- Copy action to Phila. 3/1 Y C&R- Copy action to Dept. 3/1 Y C&R-fwds report on ventilation in fire room-3;18-D Fwd C&R 3/31 C&R 4/7 Copy of action to Phila Y

NB—0120

[OVER.]

FULTON: CONDENSERS: ETC. 1915

Number.	Date.	From or To—	Subject.	
159749	7/3	NY	Estimate for installing new condenser	498-8
165651	9-7 9-9	Co NY	Condenser; unsuitable location of; submits estimate for change; recommends against.Y To-NY--Disappvs. 9/13 To CO--Fwds copy above·9/13	
167491	10-6	To NY. (R)	Condenser plate for removal of tubes; appvs recommendtion. N	
253540	10/8	To FULTON	Thetis: Re repairs to condensers-directs investigate as to whether ordinary tubes can be installed.	SP
167491	9/27 10/1	Co. NY	Reqst opening be cut in bulkhead engine room to facilitate repairs to.Y	
394238	2;12	Flt. Sup. Base	Confirms tel. conv. Y Phone Flt Supply Base. Reqts information re tubes. 2-13 Copy to CO	
395709	2;12	NY	Confirms tel. conv. asking if Bur. approved issue of condenser tubes to ship Y	

Number.	Date.	From or To—	Subject.	
5359	5/24	Inspr Harrisburg	Refrigerating equipment for Fulton shipt 45-24 R&S	629
454119	10;23	N London Sub Base	Request disposition of ice machine being removed from.Y To- Auth use of old ice machine from at Sub Base Provided no additional funds are necessary for installation.copy to Y&D-11-3	
455484	10/31	N Lond Sub Base	Submits report of operation of new ice machine installation - recommends suitable oil traps be installed - D To Sub Base New London- Regular Navy contract Ice machine to be used for this installation. 11-6 To York Mfg Co. Reqts furnish trap in connection with refrigerating equipment of the FULTON.11-6 Copy to CO and Inspr Harrisburg. 11-6 York Manuf Co - 11/7 To N.L.- reqst advise rel to satisfactory operations of machine 11/11 York Manfg Co - 11/13 FULTON 11-22. To CO - Auth submission of reqn for an additional oil trap. 11-28	
461123	11-18	York Mfg. Co.	Copy of letter to Engineering Officer FULTON fwdg prints.	D
514439	8;18	CO	Reports on operation of New York CO ice machine.D&Y cross to 700-1 2 To CO rGives inform 9-2 To York Mfg Co Reqst send rep to vess at North River for purpose of det cause and remedy of trble cc CO 9-2 D.	

York Co-will make inspn coming week-9;3 CO-9;4-D
York Mfg Co-copy-cannot locate FULTON in North River-9;8-D

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N.S.E. Form 134.

498-13:FULTON: HEAT VENT: REFRIG:

Number.	Date.	From or To—	Subject.
568829	6;9	Phila	Modification of heating system-submits revised prints with estimates.D To Phila Apprvd 6/16
593201	9;21 10;27	CO Atl Sub	Reqt remove present refrigerating plant from compartment A-10 to D-6:D Fwd C&R 11/8 C&R- Copy action toPhila. 2/11 D
593202	9;20;27	CO Atl Sub	Reqt instal addtl ice machine D To CO- Inst in dis apprvd cc Atl Sub fl. 11/8
646472	10/20	CO	Relocate refrigerating plant D

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[OVER.]

FULTON: HEAT:VENT:REFRIG.

1915

Number.	Date.	From or To—	Subject.	
159286	6-30	C&R	Recommends join letter directing test of refrig plant to determine responsibility for condition of.N To CO--(J) 7/1	
159749	7/3	NY	Submits estimate for changing location of ice machine	498-8
160132	7-1 7-8	CO NY	Chart house radiator; recommends JO for changing location be cancelled.Y To NY-- Cancel Job Order for work. 7/10	
162193	7/22 7/31	NY C&R	Fwds print covering change in location of ice machine plant.N Fwd C&R-- 8/3	
1 63480	8-11 8-14	CO C&R	Change in connection cooling coils ice mach and scuttle butt.Y To NY-auth 8/17 Fwd CO--copy of letter even date to NY 8/17 Fwd C&R--advise work auth 8/17	
168987	10-20	CO	Fwds suction piping taken from refrig compartment; calls attention ~~xxxxxxxxxxxxxxxx~~ ~~xxxxxxxxxxxxxxxx~~ DN failure of plant to work on account of carelessness at Boston Yard in galv. piping-pipes found entirely stopped up with galv. material. D & N. Fwd Bost-- For comment. 10/23 RB 11/5	
188499	5-19	C&R	Refrigerating compartment; contractors relieved from responsibility. D	

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N.S.E. Form 134.

498 - 13 FULTON: HEAT: VENT: REFRIG: 1918

Number.	Date.	From or To—	Subject.	
326183	7-5	CO	Submits report on their CO 2 ice machine.	Y
			To American Carbonic Machy Co,m Rqst prints showing arrangement and details of the motor-driven ice machine furnished by you for, 8-6	
			To CO, Recommends ice machine for, 8-7	
			~~American Carbonic Machy Co - fwds prints~~ -8/16	
			To American Carbonic Machy Co., Rqst plans, 9-6	
			American Carbonic Machinery Co fwds plans -	D
			To CO Recommends install ice machine for 9-21	
358214	10-15	To CO	Comments on new ice machine for D	
To CO- Fwds prints. 9-22			CO Oct. 23	
			To CO, ~~re~~ new ice machine 10-29	
			CO-9;-5	
44641/2	10/11	Troscherl Bros /	Teleg requestion decision in conn with refrigerating machinery for Fulton R.	706
368647	10-13	New York	Request print showing arrangement of refrig. room	D
			York Manf Co., fwded blue-print for refrigerater, 11-19	
417332	5;9	York Mfg Co	Fwds. print refrig. equipment D	

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[OVER.]

498-13 FULTON 1

NIAGARA: HEATING? VENTILATING And REFRIGERATING.

1912

Number.	Date.	From or To—	Subject.	
76345	8/10	New London Co.	Contractors fwd new contract plans and specifications to be appended to contract. Calls particular attention to proposed change in ice machine	498-1
77887	9/11	New London S & D Co.	NIAGARA: contract plans, enters protest against Bu's ruling relative to refrigerating machy	498--1
80579	10-18	NewLondon S&D Co	Refrigerating plant; fwds detailed specns covering. N To---comments.10/24.	
			1913	
91956	3-6	FR 671	Refrig. and ice making plant;fwds order with American Carbonic Co. Plans not yet appvd. N To---appd.3/10. Have fwd order to Pitts 3-13	
92437	3/12	FR	Portable vent. sets, fwds copy of order placed with Sturtevant Co.Plans not yet appd.	498--5
98133	5-23	C&R 29503-E.1	Ventilation; fwds plans.D Ret---satisfactory.5/27.	

NB—0120

N.S.E. Form 134.

FULTON: HEAT:VENT: REDRIF. 498-13

Number.	Date.	From or To—	Subject.
105173	9-5	FR 2740	Refrig. machy; fwds print showing liquid receiver, oil drip, etc. D. Fwd FR appvd 9-30
105172	9-5	FR	Refrig machy; fwds plan; American Carbonic Co. Supt. Constr states freexing tank should be lagged. D To -- appvd as mod 9-15
106386	9-22	FR 2922	Steam heating system; arrgt of; plans. D TO -- appvd 930
108136	10/16	FR 3176	Scuttle butt; recommends that cooling coils for be not required. D TO -- satis 11-6
		1914	
114758	1-2 1-5 1-7	American Carbonic Mchy Co. Moor for refrig apparatus; American Bu Shipping Rules cover temperature limits only; recommends inspection after deivery. S Pitts FR Ret Pitts. 1/17 RB 120	
140694	11-28	FR	Change in location of radiator; est inc cost. D To FR & Gen Insp-- 12/5
		1915	
148830	3-3	FR 755	Radiator; est inc cost for change in location. N
152597	4-16	Bd on Changes, New Lon	Change in location of radiator crew's library; inc cost. N To-- Fwds copy report, appvd. 4/20

NB—0120

[OVER.]

FULTON PROPELLER & SHAFTING 1922

Number.	Date.	From or To—	Subject.	
646473	10/20	CO	Install Kingsbury Thrust on thrust shaft	DY

N. Eng. 134

Number.	Date.	From or To—	Subject.	

FULTON: TENDER FOR SUBMARINE: PROPELLER & SHAFTING 1919

Number.	Date.	From or To—	Subject.	
34481	3/21	To Inspr Pitts	Fwds blueprints showing finished crank shafts for FULTON forging for starboard shaft; Shaft on drawing for port shaft D	629
467052	1-5	To CO	1920 Advise if one spare propeller is being carried on board. Y CO-one propeller carried as spare-1;14	
541494	1/21	To CO	Ask to confirm or corr records as listed MB 1/26	
		1921		
PH 1146	2-25	To Phila	Reqst print covering line shaft forgings for DR	
548491	2-24	Phila	Reqst dispo of prop machny removed from Y 689-15	
549066			To Phila Reqst Phila inspect stock of obsolete shafting in store at Phila 3-3 Y Phila-recommends auth be granted to proceed with mfg of fwd line shaft-3;11-Y&D To Phila Recomdn appvd 3/21	

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498-14:FULTON: PROPELLERS:

Number.	Date.	From or To—	Subject.
571364	6;23	Phila	Gives dimensions of propeller blade-reqt revise Vandykes D. To CO Phila Plan Fwded 6/27 To CO Fwds Vandykes 7/1 To Boston NY Norf Chasn Key West Fwds Vandykes 7/1 CO-7:2e-D To CO FULTON 7/28
		1922	
607848	2/2	Phila.	Confirms telephone conversation rel to repairs to main thrust bearing. Y
607651	2/4	Phone to Phila	~~Main thrust bearing , new parts for~~ satisfy Y D
611044	2/23	Phila.	Modifications of main thrust bearing - fwds print. D.

4—3381

[OVER.]

498 -- 14 FULTON.

~~NIAGARA~~, TENDER FOR SUBMARINE, propeller & Shafting

1

Number.	Date.	From or To—		Subject.	
55180	12/4	FR Co		Reqt all information available re propeller machy	498--1
				1912	
85459	12-14	C&R	28826-E.1	Shaft alley fwds prints showing arr. N Reqt. action. 1-13 Ret---1/15.	
				1913	
89032	1/29	FR	277	Fwds prints showing arrangement of shafting, thrust bearing, shoes, stern tube bearings and stuffing box.N To---appd as mod.2/14. FR 2/14.Reqst action.N	
92448	3-12	FR	713	Stern tube bearing; fwds tracing rope guards for.N To---appd as mod.3/22.	
95490	4/18	FR	1183	Re arrangement of shafting; fwds print.N To---appd.4/29.	
98925	6-5	FR	1741	3-blade propeller; fwds print.N To---appd.6/19.	
				1915	
149711	3-13 3-13	NY Dept	T	Reqt authority to make 12 days repairs to line shafting and motion.N To NY-(R) Present rep contr's reqtd to rec repairs; add allotment auth. 3/15 To Groton--(R) Reqt representatie to NY.	3/15
	Fwd Dept-- 3/16 RB 3/20--appd.				
149715	3/15	New London	T	Elec Boat Co's representative will arrive NY 3/16.N	

NB—0120

N.S.E. Form 134.

2181

FULTON: PROPELLERS. 498 — 14

Number.	Date.	From or To—	Subject.	
248274	9/10	To CO	Ask if know location of spare propeller, shafting etc., for. Y CO--9/18.	
254298	10/12	To NY	Directs cast spare propeller for. Y Norf - 12/21 Y	
262825	11-26	To Comdr Sub Force Atl Flt- (T)- spare propeller for is at NY. Where should it be shipped to be carried on board as a spare. 11-26 To CO- 12-5	CO - spare propeller on board 12/8 Y	
32546	12-28	Erie	FULTON, forgings for: Erie Forge Co can't meet promised shipment. S	629
~~325~~				
298792	4/18	To Atl Flt	Spare after section crank shaft. Ask if desire shipt to vessel, or held as spare. Y Sub Force Atl Request that crank shafts be machined to finish dimensions and store at NY. Y 5-7 (Cross to 498 - 9) NY 9-20	
completed. 5-10 NY 6-8 NY 7-27		Inform when machine is completed. 5-10 Spare propeller not received. 6-8		

NB—0120

[OVER.]

FULTON: PIPING SYSTEMS.

1914

Number.	Date.	From or To—	Subject.
125141	5/15	C&R 29207-#.5	Air piping for torpedo system; fwds replace print.D
125394	5/16	FR	Water service and air piping to air compressor; fwds print.D To---appd.6/1.
		L(	1916
185222	4-11 4-19	CO NY	Exhaust piping for gen set.Y Fwd Dept--Rec disappvl. 4/24 RB 4/26 Fwd NY-- 4/27 RB 5/10
		1921	
514823	2/2 2/4	CO FULTON Dept	Request increase diameter over board discharge line from ice machine condenser. D. Fwd Phila 2/7/21 RB 2/18 To Phila est increase appvd cc CO 2/21/21
		1922	
640071	8/24 8/29	CO & Atl. Sub.	Request install 3 1/2" flushing line from fire and bilge pump manifold to distiller. D.

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1922

FULTON PIPING SYSTEM

~~1914~~

Number.	Date.	From or To—	Subject.
640069	8/24 8/29	CO Atl.Sub	Request install 4" copper line from distillers to over board. D.
646474	10/20	CO	Put asbestos lagging on berth deck over fire room space Y Fwds C&R cc CO 10/26

NB—0120

[OVER.]

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NIAGARA: PIPING SYSTEMS.

1912

Number.	Date.	From or To—		Subject.
82201	11-5	FR	3156	Standard flanges for pipes;fwds b/p. N Fwd C&R.for comment 11/14. ~~C&R 11-18~~ To Fore River - approved 11/19

1913

100692	6-28	C&R	29594-E.1	Drainage for fire and sanitary sys; b/p.D Fwd C&R.appd as mod.7/8.
103206	8-6	New London	1181-4	Flanges and special fittings and bolt list; fwds print.D To---gives Bu file numbers.8/11.
103693	8-14	New London	1234-4	Fwds bolt list.D. To---gives Bu file number.8/18
104398	8-22	New London	1252-4	Fwds print approved piping plans.D To--Gives file numbers 9/3
104634	8-29	C&R	29727-E.1	Sea chest and distance pieces for same; fwds b/p.D Fwd C&R comments 9-22
106550	9-25	FR	2942	Suction and discharge pipe;fwds print.D To -- appvd as mod 10-2

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FULTON: PIPING SYSTEM. 498-15

Number.	Date.	From or To—		Subject.
106654	9-25	New London	1493	Union joiuts for copper pipes; print.D TO -- appvd 9-30
106992	9-30	New London	1527-4	Unions and tees for copper tubes and piping; print.D TO -- appvd 10-16
107351	10-6	FR	3067	Steam and exhaust in engine and fire room; print. D To---appd.10/21
107847	10-14	C&R	29727-E.1	Connections for suction in aux. feed pump was omitted on sea chest ~~due to location~~ at request of Inspr. Machy. D Ret---satisfactory.10/25
108367	10-18	FR	3195	Arrgt steam and exhaust piping to deck machy; b/p.D TO -- appvd as mod 11-6
111661	12-1	New London	1886-4	Exhaust piping; details; print. D To---appd with comment.12/6
112045	12-4	FR	3859	Steam and exhaust piping; contractors object to amount of lagging required; will consider same at increased cost. D To---appd.12/9.
118743	2-20	C&R	29207-E.5	Piping for torpedo system; print. D Fwd Ord.arrangement satisfactory.3/9.
122042	4-8	FR	1188	Arrgt water service piping to bearings; print.D To---appd.4/18.

1914

NB—0120

[OVER.]

FULTON: FUEL OIL SYS:

1921

Number.	Date.	From or To—	Subject.
549649	3;3	Phila	Fuel oil stowage tanks-reqt instrns relative to rearrangement of fwds drawings.D Fwd C&R 3/10 RB-3;30 To Phila Gives instrns repumps 3/17 Phila-3;25-Y Fwd Phila 3/28 C&R-copy of action to Phila-3;28-D&Y To Phila Reqst est be submitted 4/5 Phila-submits estimates-4;27-D&Y
559158	4;19	Phila	Arrangement of fuel oil piping from filling connection to tanks - fwds prints.D
562864	5;9	C&R	Arrangement of fuel oil piping from filling connection to tanks-fwds prints.D To Phila Plans appvd cc C&R 5/18 Fwd C&R 5/ 18
570778	6/21	To Phila	Purchase of fuel oil meters for FULTON 653-4 Reqst info covering R
			1922
627080	6/12	To CO	Heating coils in fuel oil tanks Reqst inform Dt CO 6/14 Gives inform. D

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Number.	Date.	From or To—	Subject.	

FULTON; FUEL OIL SYS 1916

Number.	Date.	From or To—	Subject.	
176952	1-21	Phila Fuel Oil Test Plant	Reports on test of fuel oil burners ynder Roberts and Almy boilers.DH	
	To CO--Lists work auth. 3/8		To-CO--Fwds copy report with instrns. 1/24 To NY--Fwds copy report for comment. 1/24 RB 2/29 FULTON 1-26 To NY--Fwew copy report. 1/29 Fwd Dept--Rec appvl of work. 2/29 RB 3/3 To NY--Work authorized. 3/3 CO cancels any work 3-6	
177175	1-24	Phila	Steam atomizing burners;in view of recent report on burners; recommends another type be substituted.DH To--Manuf as recommended. 1/27	
177441	1/26	CO	Gives results of test of Roberts and Almy boilers with differenet ypes of oil burners; states neither boiler will operate efficiently and requests new	498-10
177908	2/1	Stuart, Amer Products Co	Purefoy fuel oil burner; fwds printed matter and reqt permission to submit bid for FULTON	653-1
189240	5-15	CO	Reports on expermental installation of new bureners; request authority to retain; satisfactory extent excess smoke.DR To CO appvd. 5-29	
189385	5-27	NY	Request instructions relative to sending draftsmen to vessel to make sketches in connection with fuel oil burners. DR To--Comments on. 6/5	

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~~FULTON: FUEL OIL SYS. 498-16~~

Number.	Date.	From or To—	Subject.	
199989	9-18	NY	Fuel oil burners; fwds tracings showing arrgt and details of those now being used on both boilers.D To-- Gives Bu file number for.10/4	
207223	11-23	CO	Request cast iron furnace opening and holders for oil burners on both boilers; realign casing over Roberts boiler.	498-10
225828	5/1	CO	Oil burner and fittings on Almy boiler unsatisfactory D To--Appvs experiments to cover an add'l furner in back of the boiler and ash pan.5/4	
273700	1-15	To Sub B New Lond Comdr.	(T)- Will an oil burner and air register from Roberts boiler FULTON be available for new Almy boiler. Is it a duplicate of register on present Almy boiler. D	
324837	7/9	Phila	Fwds copy of orders for pits and plugs for fuel oil burners - D	
383767	1/9 2:27	To CO CO	Asks report of test- re Diesel engine CO ask what grade of fuel is to be used on test 3:14 To CO- Directs use of standard Navy oil Small quantity of gas oil may be carried for emergencies. 3-19	

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FULTON: FUEL OIL SYSTEM.

Number.	Date.	From or To—		Subject.
94922	4-11	FR	1080	ARrangement of fuel oil piping to boiler;b/p.N To---appd·4/21.
96079	4-28	FR		Fuel oil burning apparatus; fwds comments on oil burning TBDS at Boston Yd. for consideration with.N.
96282	4/30	FR	1327	Fuel oil heater; Schutte & Koertihg type; fwds prints.N To---appd·5/6.
96676	5/5	New London	618-4	Fuel gravity tank for main engine feed; fwds print.D ~~XXX~~ To--Groton- appd 5/8
97344	5-13	~~Ne~~ FR	1479	Fwds prints. D. Fwd C&R.for comment.5/21. RB 5-29 To---appd with modifications and comment.6/2
100256	6-23	C&R	29525-E.1	Fuel oil system and discharge; b/p. D Ret---7/9.
102615	7-28	FR	2312	Fuel oil piping to dynamo; fwds print.D To--Appd 8/4
137683	10-20	FR	J	Fuel oil tanks; inspection of.D

1915

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FULTON: FUEL OIL SYSTEM. 498-16

Number.	Date.	From or To—	Subject.	
143817	12-14 12-30 1-5	New London S&E Co. Bost S&A	Reqt payment for fuel oil left on board.R. Fwd Bost-- 1/7	
Reqn #1	1-18	To Bost. (R)	Authorized to use "utolene oil pending further investigation. R	
146722	2-9	Bost T	Reqt Phila yard mfg 2 registers and 4 oil burners. D To Phila--Auth manuf of. 2/9 To Fwds copy of letter authorizing. 2/9	
146721	2/3	Bost	Lub and fuel oil; fwds bills	498-9
149750	2/19	FULTON	Fuel oil testing set; no copy of instrns received with last order	690-1
153322	4/24	NY	Fwds print showing method of installing burners under additional boiler	498-10
153691	4/28	NY	Additional fuel oil pumps	498-10
158448	6-19	NY	Fuel oil testing outfit; re kind of apparatus to be furnished to fill ships reqn 139-F Fwd S&A--List machine to be purchased.6/23 To Bausch & Lomb Co--Comments on proposal for. 7/7	
174944	12/24	NY	Fwds print showing furnace arrangement of Almy boiler, method of installing oil burners, etc	498-10

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FULTON: WORKSHOP. 1917

Number.	Date.	From or To—	Subject.	
265839	11/7	CO	Request be assigned first welding set available - L To- Has reqt Supply Officer to shipt Elec Welding set to New London. 12-13	
285500	2/27	CO	States have placed order with Manning, Maxwell & Moore - fwds cuts and reqst inspection - A Fwd Cleveland. 3-4 RB 4-1	
1176	4/11	Fulton	Wilson Welder set received - working satisfactory. L & S	629
29				
1176	4-26	Com Off Fulton	Sends copy of man of instr Wil Wel outfits	629
279	5-31	Inspector Chicago	Grinder for FULTON status	629-2
352321	9/18	CO	Request additional machine tools - Y To CO, approves above 10-19	
2632	9/27	Inspr Brook	Welding set shipt 2/18 to New London where same was instld on FULTON	629
409815	4/11	To Comdr Sub Base	Authorization transfer steam hammer to stations A. To NY reqst transfer steamer hammer to FULTON 4/11.	615-8

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FULTON: WORKSHOP.

Number.	Date.	From or To—	Subject.	
2031	5/24	N.Y.	Combination brake and folder for FULTON received. R&S.	629-1
420560	5/20	New London Base	Requ auth to transfer pipe bending machine inst on A To FULTON does not approve transfer of pipe bending machine on, to Sub Base NL 5/24.	615-8
552454	3;19	Phila Cancelled	Request larger fuel oil service pump be installed. D&Y To S&A Reqst shipmt of pump from Norf to SO Phila 6882 4/6 RB-5;17-Y S&A-4;30-Y	

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;FULTON: WORKSHOP

1915

Number.	Date.	From or To—	Subject.
150003	3-13 3-17	CO NY	Place guards over emery wheel.Y To NY-- Work authorized. 3/19
150173	3-18	NY	All safety devices fitted except guards over emery wheels. Y
155534	5/19	Norf (Reqt for information on 5 card)	Lists motors in store that can be used for converting machine tools to electric drive.Y (Entry on 5 card, cross to 18) Fwd Dept--Rec motors be withdrawn from sale and issued to ship. 5/21
161207	7-17 7-21	Co C&R	Conversion blacksmith forge from coal to oil burning. YN To CO--Authorize conversion of. 7/22
165484	9-9	CO	Fwds copy of invoice turning in motors for machine tools received from Norf; of no use.Y To--Auth to store.9/14 Fwd NY--Call survey on.9/14 CO renews request for auth to turn in motors 9-16 Fwd CO--Appvs.9/17 RB 10/4
	9-20	To CO.	Machine shop: motor dor converting certain machine tools to electirc drive. Y
168556	10-2	CO	Reqt 2 motors and controllers for use with machine tool.L To NY--issue of motors and panels appd 10/18

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FULTON: WORKSHOP. 498-18 1916

Number.	Date.	From or To—	Subject.	
175806	1-7	CO	Reqt Norf be auth to issue any old motor in store for use in connection with machine tool drive. Y Fwd Norf--Asks motors availabel 1/10 RB 1/28 Fwd CO-- 1/29 RB 2/2	
183294	3/22	FULTON	Reqt additional second hand motor for individual drive machine tools	498-5
183358	3-31	C&R	Tools for carpenter shop. DR	
228883	5/17	CO	Request motor for lathe Y Fwd Norf--5/21 RB 5-26 Fwd Ports--5/29 R B 6/15 To Sub Base--No motor available,; directs make reqn for. 6/16	
231933	6/2	CO	Request motors for machine tools Y To Ports--Instrns.6/8 Ports - 6/22 L To--Gives action.6/27 To S&A- -Reqt shipt of motors from Ports to Sub Base, New Lond. 6/29 F. CO--Motors not received.9/17.L Fwd S&A- 9-21 --RB-10/8. Fwd S&A--10/9	
1176	11-8	To S&A 2	Reqt shipt of arc welding outfits from NY to FULTON AND ALERT. LS	629

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TENDER for SUBMARINES: WORKSHOP AND WORKSHOP TOOLS 1

Number.	Date.	From or To—	Subject.	
53552	11/14	C&R	Fwds prints showing proposed allotment of spaces for work shop, foundry, etc	498--1
55117	12/4	To Ord	Plan showing arrgt of machy and workshop, foundry & blacksmith shop, have been to delivered to representative.etc	498--1
55219	12/4	To C&R	do	498--1
			1912	
140	8/13	Reliance Elec. & Engrg	Cont. fwds letter of protest against rejection of speed motor for, sublet by Manning, Maxwell and Moor, States contract does not cover requirements exacting as inspector.	629
			1913	
96763	5/6	FR 1394	Workshop machinery; fwds print showing general arrangmmnt. D To---appd with comment.5/9.	
103829	8-14	FR 2833	Workshop tools; fwds list and descriptive circulars.D To---appd as mod.8/23	

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FULTON: WORKSHOP & TOOLS. 498-18

Number.	Date.	From or To—		Subject.
106140	9-19	FR	2885	Workshop tools; list; copies of orders and specns covering.D To - approved 9-24
108522	10-21	FR	3232	Work shop motor starter; reqt approval of GE type. D To---appd.10/27.
111375	11-25	FR	3718	Workshop tools; fwds cut og head drill and reqt approval.D To---not appd.11/29.
111735	12-1	FR	3804	Work shop tools; recommends Universal Milling machine call for No 1c in lieu of No 9 Brown & Sharpe taper.D To---appd.12/4
112534	12-10	FR	3916	Workshop tools; fwds cuts showing pipe jaws og bench vise. D To---appd.12/15.
112755	12-13	FR	3970	Work shop tools; re type drill press.D To---Prentiss Bros mfr drill that meets requirements.12/17
113495	12-24	CO	1914	
VOID	12-24	NY		
115964	1-23	FR	263	Upright drill; unable to secure bids in accordance with Bu specns.D To---approves Sibley drill.1/30.

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498-19
FULTON: PUMPS

1922

3

Number.	Date.	From or To—	Subject.	
USS FULTON	Req 88	2/2 To Phila (T)	7502 FULTON Reqn 88 for pump approved	Ya R

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Number.	Date.	From or To—	Subject.	

FULTON: PUMPS.

1913

Number.	Date.	From or To—	Subject.
107696	10-10	FR 3138	Fire and bilge pump, motor starter; propose to use GE type. L To---appd.10/13
111669	12-1	New London	Circulating pump; fwds specns and plans of motor and control. To---appd.12/15.
		1914	
114415	1-6	FR	Elec driven circulating and fuel oil pump; print.D To---appd as mod.1/13. FR fwds print 1-27
120275	3-16 3-18	Bath Brook	Pump motor; reqt ruling on design.S To Mass.--satis if certain conditions met 4/23
121837	4-7	Bd on Changes, New London	Change in main circulating and lubricating oil pump; increased cost. N Fwd Dept.rec appr.4/9. R.B 4 15 appd To New London.appd.4/15.
121971	4-9	Brook 2079	Motors for circulating pumps; fwds test records.S To New London.fwds test reports.4/11.
122103	4-10	Brook	Motors for pumps; fwds performance sheets.S
122982	4/20	Brook 2359	Reports on test of a G.E.motor for running the pump manufactured by the Alberger Co.S
		1915	
159749	7/3	NY	Estimate for installing new distiller pump 498-8

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FULTON: PUMPS. 498 - 19

Number.	Date.	From or To—	Subject.
243193	8/7	CO	Renew cylinder and valve chest of auxiliary air and circulating pump Y To NY--A uth work.8/11
289628	3-15	Ports	Feed pumps - Boston requests prints - has patterns - request instrns re transferring work to that yard. Y 1921
552454	3;19	Phila See 498-18	Reqt larger fuel oil service pump be installed.D&Y Phila-T-pump received without regulator and fittings-reqt auth to obtain.Y To Phila (T) Authorized 5/23
566026	5;25	Phila	Aux oil and circulating water motor and starting panel and fuel oil pump motor-submits estimate covering instaln.D To Phila [redacted] appvd 6/3
572898	7/2	Phila T	Recommends temporary installation of fuel oil pump while Kenney Co is designing modified plates. D.
588671	9;23 10;4	CO Dept To Co Disappvd cc Atl Fl 10/20	Reqt instal motor driven fresh water pump.D Fwd Operns cc Comdr Atl Subm flotillas 10/12 RB 10/17 D L
588667	9;23 10;4	CO Dept	Reqt instal fire bilge & sanitary pump in engine room.D Fwd Operns cc Atl Subm flotillas 10/11 RB-10;15-D To Co Disappvd cc Atl Fleet 10/20

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1913

~~1912~~

FULTON: pumps.

1

Number.	Date.	From or To—	Subject.	
90658	2/21	New London	Fuel feed pump, print	498--8
92617	3-14	FR 738	Fwds copy of order steam pumps and spares Blake & Knowles; plans not yet appvd. N Ret---for correction.3/24. KB 8-31 To---appd as mod.4/1.	
92619	3-14	FR 735	ditto To---Order 75745 approved in advance of plans.3/24.	
92620	3-14	FR 734	Fire and bilge pump; fwds copy order with Algerber Co. Plans not yet appvd. N To---appd.3/24. FR 3/27 copies fwd to Brooklyn.S	
94964	4-14	Alberger Pump & C Co	Pumps;reqt. American Bu. Shipping rules cover.N To---cannot furnish.4/16.	
95136	4/15	FR 1130	Steam pumps; fwds prints.N To---appd.4/21.	
95553	4/21	New London 536-4	Auxiliary circ.and oil pumps; fwds prints with comments.N To-- appd as mod. 5/5	
96211	4/30	New London 598-6	Increased cost due to change from direct to motor-driven circulating and oil pumps.N Fwd Dept.rec approval of change.5/3. KB 5-8 To Gen Inspr, reqt inc cost.5/14. To-Groton- 5/14	

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FULTON: PUMPS. 498---19

Number.	Date.	From or To—	Subject.	
96751	5/6	FR 1393	Fire and bilge pump; fwds print and specifications.D To-- appd subj to mod. 5/12	
96678	5/6	New London 632-4	Fwds prints of fuel feed pump body.D To--appd 5/8	
97545	5-16	FR 1513	Fire and bilge pump;fwds description type of motor proposed for.D To---appd.5/24.	
98673	6-2	FR	Fire and bilge pumps; fwds list of spare parts of motor for.D To---appd.6/7.	
100305	6-23	New London	Feed pump bracket and cut out; b/p.D To---appd.6/30.	
102077	7-21	FR 2231	Fire and bilge pump; motor for; fwds print starting panel.D	
105347	9/8	New London	Fwds print guards for oilers and circulating and oil pumps.	498--8
106120	9-20	New London 1464-6	Estimated increased cost due to change in circulating pump.D To--for revised estimates 9/26 R.R. 10/19 To---authorizes resumption of work.10/13	

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NIAGARA: VALVES: 1912

Number.	Date.	From or To—		Subject.	
83721	11-26	FR	3319	Angle valves; fwds list. N TO -- appvd.2-15	
				1913	
92780	3-15	FR	759	Special globe valve; for distiller discharge; overboard; fwds tracing.N To--apps plan for pressure up to 100 lbs. 3/26	
				[redacted]	
90958	2/21	New London		Spray air valves for handling gear	498--8
91321	2/26	FR	580	5" angle sea valves: fwds print.N To---appd.3/8.	
91529	2-28	FR	603	3" angle and 4" globe valves; fwds b/p.N. To---appd as mod.3/12. (See 93038-498-20.)	
91851	3-4	New London	319	Relief valve for spray air line;b/p.N To---appd as mod.3/12. To---Requirements concerning wrist pins.3/14	
93000	3-14	New London		Fwds print showing details discharge and suction valve for use air compressor.N To--Regt more information 3/27 New London gives reasons. 4-1 To---plan appd as mod.4/3.	
93038	3-20	FR	9814	Special angle and globe valves; contractors request authority to use commercial.N To---plan appd: withdraws modification in 91529-498-20 Mar.12th.3/24.	
93093	3-21	New London	386	Air starting valve; fwds print.N To--appd 3/26	

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498--20 FULTON.

1912

Number.	Date.	From or To—	Subject.	
94564	4/8	New London	Fwds plan of relief valve, compressor valve,	498--9
			1914	
141004	12/1	FR	Safety valve easing gear; contractors do not consider themselves responsible for.D	
			1915	
1313	3/18	Yarnell & Wearing Co	Asks if comp G for valve stems is acceptable; also applies to reqn 1329 valves for FULTON	629-2
150461	3-21 3-23	CO NY	Reqt new safety valve.	
166648	9/18 9/23	CO NY	Reqt distant operating gear for safety valves of boilers; submits ast. Y&N To NY--(R) Authorized.10/1	

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FULTON ALLOWANCE 1921

Number.	Date.	From or To—	Subject.	
600313	?	CO	Request auth to turn in spare armatures, To CO turning into store stowage anthd 12/16	Y
608152	2/10	To CO	Gives inform rel examination on allowance list Ya cc EO-SO Vessel- Comdt Phila Ya CO 2/15 Y	
609056	2/8	CO	Request allotment for 3d quarter be increased To CO Allotment 3d qrd cc S&A 2/11	Y
618810	4/15	CO FULTON	All allowance list corrected rel to compressed gases Y	

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FULTON ALLOWANCE 1922

Number.	Date.	From or To—	Subject.
619575	4/25	To CO	Fwds engineering Electrical allowance books LY CO FULTON 6/12 Returns allowance list L Y To Phila-m Rqsts be notified of receipt of allowance list. 7/7 Ya L To CO- Fwds allowance books 7/8 CO Recommendations cov allowance list.8/11 Y To CO- Gives change in allow cc EOSO yard-vessel 8/22 Phila. 9/11 YL
631896	no date	CO	Annual inventoru completed Y
636812	8/11	To CO	Expenditure from Naval Supply Account Afloat to Title B- cc S&A Y2 CO 8/15 Y
651587	11/22 11/28	CO Atl Sub	Request auth to turn in armatures not belonging to vessel YL To Electro Dynamic Co- Gives inform rel armature on board ship 12/6 Electro Dynamic Co 12/8 Gives rating of armature L To USS FULTON Via Sub Flotillas Stores inexcess of reqirements 12/14 L cc Mcrf. To Electro-Dynamic Co- 12/15

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FULTON: ALLOWANCES. 1919

Number.	Date.	From or To—	Subject.
392750	2/5 3;3	CO CO	List of material turned into store - Y Fwd CO. 2-14
395708	2;6 2;17	CO S&A	Req. auth. to turn in boiler prints and cable R Fwd S&A. 2-20
404323	3;19	CO	Req. seamless steel pipe for be added to allowance list Y To- Lists amendments to allow ~~xx~~ lists. copy to E.O. & S.O. Home Yard. 3-24
481959	3-17	To CO	Fwds blank allow book for revision. Y CO-fwds SE allow book-4;15-Y
495203	5-24	To Phila	Advise when allow lists are received. Y. Phila-6;25-Y
499372	6-22	To CO	Gives list of changes in allow list CC EO-SO vessel EO-SO Phila Y.

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498-21:FULTON: ALLOWANCES:

Number.	Date.	From or To—	Subject.
544746	2;3	Sub Div 8	Request pair of micrometer calipers be added to allowance list.Y To 2-10 reqxtinfo Y Sub Div 8-2;14-Y To NL instrument will be appvd cc SO NL Div 8 2/18
565076	4;28 5;19	CO Phila	Submits list of spare parts for machinery transferred to Phila.Y
565976	5;25	Phila	Ask if allowance list will be revised to suit new instaln of propelling machy and aux.Y To Phila Fwds allow list 5/27 Phila-fwds revised allow list-6;24-Y To CO Fwds Allow list 7/14 CO-fwds allow list-9;19-Y To CO Fwds a low 10/14 To Phila-fwds allow list 10/14 Phila. 10/21 Y
595167	11/10	To CO	Gives Changes in allow list cc EO-SO Ves- Phila Ya
596172	11/2 11/16	Subm.Div. 15 C&R	Gives reasons why report on annual inventory was not submitted. Y

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FULTON: ALLOWANCE: 1916

Number.	Date.	From or To—	Subject.	
189101	5-31	TO CO	Changes in lamps	
204007	10/31	To CO	Add hinge pipe vise to SE Eng. Allow list. R	
252737	10-4	To CO	Allow lists. wds latests allow books. R CO - fwds allowance 11/10 - R To- wds one copy 1917 edition allow not appvd. 1-19 CO - Fwds allowance book. R 2-8	
259412	11-7	To CO	S.E.Allow Lists. Fwds 1917 edition. R	
260828	11-19	To CO	Allow lists. Revision of. L-R CO--fwds books.1/8 To- returns appvd allow with modificatins. 1-17 CO - fwds electrical allowance books 1/23 To NY- fwds corrected in blue allow .2-5 To N.Y. asks when lists will be distributed 4-20 NY - 5-11	
300395	4/22	NY	Elec allowance - fwds - RA To- Comments on lists received. 5-1	
378194	1/4/19	To CO	Fwds allowance book- To- Fwds two appvd copies elec lists. 2-21 CO - 1/22 2;26 CO	

NB—0120

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N.S.E. Form 134.

FULTON: ALLOWANCE

Number.	Date.	From or To—	Subject.	
307574	5-18	to S&A	Re supplies for ship, R S&A - 5/23 - R To C O, Commenting on above, 5-27	
322755	6-28 7-2	CO C&R	Request allowance lists be changed to allow a Klaxon horn in place of common fog horn. RA Fwd Nav, 7-12	
329136	7-22	CO	Request klaxon horn be added to allowance list for use on motor boats. RA To CO, Klaxons not considered desirable 7-31	
333911	8-6	To CO	Re change in S E Elec Allowance LR	
6308	8/10	USS FULTON	Generator-spare parts-rel to shipmt of	629
348537	9/7	Co	L-6 reqst spare working cylinder, crank shafts etc be expressed to the FULTON D&RA To Divn 6 Tel wire engine parts available 9/16	545-21

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[OVER]

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1914

FULTON: ALLOWANCE.

Number.	Date.	From or To—	Subject.	
125574	5/20	FR	Fwds.R To---appd as corrected.6/15. FR fwds print and list of incandescent lamps 8-6 To---& Bost.directs Bost.furnish certain lamps.8/12.	
	To CO Via Bost-- Fwds blanks for preparation. 3/18			
130184	7/16	Bost.	Requests allowance list.R To FR.fwds lists.7/28.	
132337	8-14	New London 1166	Reqt additional spare parts for piston cooling system.D. To---request estimate for spares.8/19.	
134499	9-14	Bost	Reqt allowance list.R To Groton-- Reqt recommendations for: 10/14 To FR Via Groton-- Instructions. 10/16 To FR-- Additions to. 1/7 rb 2 10	
136803	10-9	FR 3264	Fwds.R	
137696	10-21	New London	Addition of spare parts; est inc cost.D To-- Will not approve at this time.10/29	
140854	11/30	FR	Allowance list; requests change in quantity of searchlight parts.R To--Changes. 12/5	
141099	12/2	FR	Fwds copy of lists, stores, spares, to be supplied by contractors and list of uncompleted work	498 -2
141695	12-9	CO	Reqt addition of standard testing gage. R. Fwd Ord-- Under its cog. 12/16	

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N.S.E. Form 134.

FULTON: ALLOWANCE. 498-21

1915

Number.	Date.	From or To—	Subject.	
147925	2-19	CO	Reqt spare armature and shaft for gen set, and spare scavenger cylinder lining be stored at Home Yard.Y Fwd NY--Authorizes. 2/24 1088	
152452	4-13	FR 1353	Missing spare parts and tools; fwds contrs comments. N Fwd FR Via Lieut Child & CO-- Reqt statement as to what authorization was made to Electric B.Co. 4/19 RB 5/5 T o--Appvs recmns. 5/6	
153257	4-22	CO	Submits list of spares to be provided for auxiliary machy. R Fwd CO-- 4/28 RB 6/12	
155947	5-20 5-25	Bost S&A	Invoice covering tools and spares.N Fwd Bost-- Comments. 5/27	
156276	5-29	To CO.	Elec list; amendments to. L-R	
160879	7-17	CO	Reqt crank brasses be added.L To-- Add to. 7/21 RB 8/3	
165418	9-9	CO	Reqt subscription London Engrg	735
173871	12-6	S&A	Transfer statement for transferring certain motors from SE to C&R appro.K Fwd S&A-- Not under cog SE. 12/17 RB 1/10 Fwd S&A Via C&R--1/10	
		1916		
180302	2/21	CO	Reqt additional money allotment.R Fwd S&A--Appvs. 3/3 Fwd S&A--Appvs add allotment. 3/4	

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FULTON: WHISTLES.

1916

Number.	Date.	From or To—	Subject.	
206193	11-15	CO	Request means be taken for draining pipe To Bost--Work auth. 11/23 FULTON; states letter auth work addressed Bost; NY home yard 12-15	to .Y

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

FULTON AIR COMPRESSORS 1922

Number.	Date.	From or To—	Subject.	
614245	3/16	CO FULTON	Request Phila be authorized to mfg main engine air compressor cylinder Y To Phila- Reqst Phila Manufacture air compressor cylinder for use as spares 3/30 S&A- Fwds report from Phila. 4/12 Y Fwds Phila 5/23 RR 6/6/ K To Phila Estimate approved 6/22	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

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N.S.E. Form 134.

FULTON: AIR COMPRESSORS. 498-23

1914

Number.	Date.	From or To—	Subject.
140485	11-20 11-24	New London S&E Co. FR 3727	Aux air compressor; fwds print and proposition; from contractors. N To FR--Have prepared reqn for air compressor. 12/4 To Groton & CO-- Fwds copy above letter. 12/4
		1915	
144175	1-8	New London	Auxiliary compressor; claim inc cost for driving pulley and belt. D Fwd CO-- Submit reqn for belt and pulley. 1/14 2 15
202496	10/16	To Ord	Rec starboard torp air compressor be removed from. Above taken from steam log of for quarter ending Sept 30, 1916. M Ord auth removal air compressor 11-6
349940	9-17	NY	Request yandykes showing second stage air compressor cylinder - D
		1922	
610974	2;25	To S&A	Reqt shipment of main engine air compressor from NY yard to Phila Yd for-urgently reqd-Do To NY-2;25-Do S&A- Copy action to N.Y. 3/6 D. N.Y.- Copy action to S&A 3/7 D. S&A 3/9 D S&A 3/24 D.

NB—0120

[OVER.]

FULTON: AIR COMPRESSORS.

1913

Number.	Date.	From or To—	Subject.
90689	2-18	FR 502	Encloses copy of order for steam driven air compressor; plans not yet appvd. N To---Returns order without action.2/21 To FR and New London.Requirements for forwarding all orders placed by FR Co.2/21
91391	2/27	FR 592	Steam driven air compressor; fwds copy of order Westinghouse Air Brake Co. Plans for this apparatus have not been approved by Bureau.N To---order appd.3/3. FR have fwd order to Pitts with note placing responsibility on contr.3-5
92607	3-15	FR 749	Air compressors;rect.plans.N Fwd Ord.3/18. RB 3-21 Ret---3/22.
96463	5/2	FR 1343	Air compressor; fwds prints and specifications Westinghouse Air Brake Co.N To---appd with comment.5/7.

1914

Number.	Date.	From or To—	Subject.
137316	10-16 10-17	Ingersoll Rand Co. Ord	Instructions for operating torpedo air comp.D Retd-- Noted. 10/20
138027	10-24 10-27	Inspr Ord? FR Ord	Air compressors; reports on trials of. D Fwd Ordd-- Noted. 10/28
138493	10-31	Bu Ord	Fwds c rres with Ingersoll Rand Co. re operation of their compressor by 35 kw power. LN

FULTON: GAGES:

Number.	Date.	From or To—	Subject.
		1913	
110284	11-12	New London 1780-4	Gage board and tachometer for main engine; print.D To---Gives Bu file numbers.11/20.
		1914	
114500	1-6	New London 19-4	Float gage for sump tank; print.D To---gives Bu's file numbers.1/12.
135115	9-21	FR	Indicators; reqt authority to submit reqn for.D. To--Instructions. 9/26 To S&A-- Req shipment of eight Diesel engine from NY to FR. 9/26 To NY-- Instructions. 9/26 Schaeffer & Budenburg; unable to give date of delivery 9-29 Fwd NY-- Instructions. 10/17 rb 10 27 To Shaeffer & B -- Fwds copy above end.10/17 Fwd.NY-- Noted. 10/27 To Brook-- 12/10 Brook 12-16
		To Brook--Indicators should be supplied to NY. 12/22 Brook S&B delivered remaining 5 indicators to NY 1-14	
136011	10-2	NY	Diesel engines indicators; asks if are to be permanently installed on board; or for use trial board only; if installed; recommends duplicate set be ordered for MAUMEE.N To-- Bu will issue instructions. 10/6
137396	10-16	New London 11347	Recolution counter; plan.D To-- Appvd with modi. 10/28
151603	4-6	CO. (T)	Reqt authority to purchase thermometers for main engines. N To--(R) Purchase by reqn is urgently required; state if contr's are liable.4/7 CO 4/20 gives reasons for requiring extra thermometers.

N.S.E. Form 134.

FULTON: GAGES. 498-24

1915

Number.	Date.	From or To—	Subject.	
168478	10-15	CO	Impossible convert present tachometer Reqt auth purchase one reading from 0 to 300.N TO -- submit reqn 10-19	
170339	11-4	CO	Reqt that authority to retain 3 Diesel engine indicators on board and that 5 in store at NY be issued to. DH To NY--Appvs· 11/8	
195081	7/29	5th Div, Atl S ub Flo	1916 BUSHNELL: request authority to transfer indicators from the FULTON	515-24

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FULTON RECORD OF WORK 1922

Number.	Date.	From or To—	Subject.
622703	4/1	CO	Quarter ending 3/31. Y
623085	5/1	CO	Quarter ending 3/31 Y
631473	6/30	CO	Quarterly report of work afloat Y
635354	7/28	Norf.	5/16/22 to 7/7/22. Y
635542	8/27	Phila.	1/20/22 to 5/2/22. Y
644490	10/1	New Lond Sub Base	Quarter ending 9/30. Y

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N.S.E. Form 134.

FULTON: RECORD OF WORK

1919

Number.	Date.	From or To—	Subject.
385185	1;1	Norf	12-17-18 to 12-27-18 Y
385327	1/1	Chasn	11/10 to 12/18 - Y
		-/1920-	
476802	2/1	Norf	12/17/18 to 12/27/18 - Y
491556	5/1	N Lond Sub Base	Quarter ending 3/31 - Y
504251	7;1	N London Sub Base	Quarter ending June 30.Y
523070	10/1	New Lond Sub Base	Quarter ending 9/30. Y
		1922	
603633	1/9	N L S B	Quarter ending 12/31. Y
610268	2/1	CO	Quarter ending 12/31.Y

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FULTON: SURVEYS 1922 3

Number.	Date.	From or To—	Subject.	
625321	5/10	55	Coil Y	
625322	5/10	52	Fans Y	
629387	6/21	82	Light Y	
654709	12/22	26/23	Sacles Y	

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Number.	Date.	From or To—	Subject.	

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FULTON: SURVEYS 1921 2

Number.	Date.	From or To—		Subject.
577944	7/27	Div 15	2/22	Propeller Y
578706	7/29	Div 15	3/22	Fans Y
580643	8/29	Div 15	52/21	Carburetor Y Fwd Phila 8/20 RB-9;6-Y
582186	8/29	FULTON	6/22	cables Y
586687	9/19	Sub Div 15	9/22	Bedplate for Motor Dory Y
587361	9;2	CO	8-22	Propellers for 35 ft motor boat Y
588094	9/21	CO	13/22	Weston Voltmeter Y
592412	10/21	Comdt	23-22	Shaft Y
592410	10/21	Comdt	24/22	Torch Y
593299	10/28	Comdt	26/22	Engine Y

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FULTON: SURVEYS

1921

Number.	Date.	From or To—	Subject.	
593918	11/1	20/22	Indicator Y	
593919	11/1	27/22	Lubricator Y	
596172	11/23	Fwd S&A via Ordn Navign "ed & Surgy	Non-submission of report of annual inventory Y	
610054	2/14	USS FULTON 612854	Pump, Gears Y Fwd Phila-reqt statement of S.O.-2;21-Ye Fwd C 3/21 RB 3/29 Y	RB 3/14 Y
613148	3/9	Phila 36	Gauges Y	
614356	3/9	Phila 36	Gauge Y	
619398	4/18	Phila. 46	Platform scales. Y	

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[OVER.]

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FULTON: SURVEYS:

Number.	Date.	From or To—		Subject.
490847	4;20	CO	19/20	Willard battery.Y
490846	4;20	CO	20/20	Various material.Y
506004	6;23	CO	81	Various material.Y
511423	8;6	CO	17/21	Indicators.Y
511422	8;6	CO	7/21	Coils, elec stove, fire pots,etc.Y
512504	8;18	3rd Dis	VOID	Request all
512503	8;18	N London Sub Base	84	Elec material.Y
512524	8;13	N London Sub Base		28;21 Tray.Y
554970	11/16	Phila	m 4/21	Cover, Wrench, Ammeter Y
554967	11/17	CO	6/21	Klaxon Y
554968	11/16	Phila	7/21	Coils, Hose Y
554969	11/16	Phila	3/21	Armatures, Reamer Y

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FULTON: SURVEYS 1921

Number.	Date.	From or To—		Subject.
556107	11/17	DIXIE	2/21	Tubes, Register, Countersinks Y
560929	4/18	Phila	15/21	Hose, Torches, Y
565299	5/18	Comdt	21/21	Drill Y
569267	6;11	Phila	18;21	Various matl. Y
569527	6/13	Comdt	37/21	Iron, Fan Y
569777	6/13	Phila	36/21	Circulating end for pump, Gauge Y
569957	6/14	Phila	41/21	drill, milling mach gauge etc. Y
569956	6/14	Phila	40/21	hose Y
570099	6;14 6;15	00 Phila	34;21	Various matl. Y
571168	6/20	Phila	42/21	End mill, Gauge, Thermometers Y
572796	7/1	Phila	1/22	Pump Y

1917 19 17

GALVESTON: TRIALS: PAYMENTS: ETC.

Number.	Date.	From or To—	Subject.	
221384	4/3	Asiatic Flt	Report of speed trial, endurance and full power.	M
587680	6;30	CO	1921 No data available for performance curves.	M
590157	10;10	CO	Regt instrns for compiling engineering performance reqd. Fwd Div Gunnery Exercises & Eng Performances	10/15

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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GALVESTON: TRIALS: PAYMENTS: ETC.

FILE No.		From or To— (Dated)	Subject.	
33813	2/27 3/3	Dept. Justice Dept. 585-53	Reqt. information relative to status of payments, etc. N. Ret Dept. Copy of statement of cost of work fwd 3/15.	
			1912	
72562	7/1	Navgn.	& CHATTANOOGA ~~& GALVESTON~~: Placed in commission and reserve. Pug.Sd.	774
79388	9-28	Pug.Sd 5789	Finished weights; reqt.D. To - gives weights 10/4	
79389	9-28	~~Pug.Sd~~ 5826	Reqt	
			1913	
93295	3/15 3/25	Pac.Fleet Dept. 27772-35	Requests recommendation as to desirability of sending to sea on another cruise in order to hold full power trial. Asst Chf. Fwd Dept. recom appl. 3/27	
97588	5-15	Pac.Flt	Fwds report of full power run.F Fwd Target Practice.5/21.	
98589	5-15	Pac.Flt	Report of Umpire; fwds.F. Fwd Target Practice.5/21.	
97895	5-13	Pac.Flt	Umpires report; fwds. F. Fwd Dept.5/24.	
97896	5-13	Pac.Flt	Report A. full power run.F Fwd Dept.5/24.	

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GALVESTON: ELECTRIC PLANT:

FILE No.		From or To— (Dated)		Subject.
29764	1/17	Pug.Sd		Gen. survey under Equipment; reports elimination of item, night signal sets and semaphores same having been covered by GSK survey.
				1912
68900	5-11	Pug.Sd	2784	Reqt. elec.plans. L Fwd Norf.for compliance.5/25.
				1913
89949	1-27	Pug.Sd		Elec. plans; fwds.L To---Ack.2/12.
102945	7/30 7/31	CO Pac.Res.Fleet		Installation of standard blinker signal set and repairs to radio set.L Fwd Pug.Sd.appd.8/5.
			1914	
276655		Dec/ 28 CO		States 5KW radioset and submarine signal set not yet installed L.
		1920		
512282	8/20	To CO		Returns co ies of report of elec plant data. LY

NB—0120

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GALVESTONF INT COM SYS:

4

Number.	Date.	From or To—	Subject.	
590159	10;11	CO	Reqt reqn be approved covering telephone wire.L To Co- increase in allotment not desired 10/21	
619320	4/13	CO	Request auth to turn in fire control telephones in excess of allowance. L	212-21

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

1917

GALVESTON: INT. COM SYS.

Number.	Date.	From or To—	Subject.
247204	8/9	CO	Fire control installation - status of L
		1918	
273047	1/12	Norf	Gives list of material required for fire control system-asks at what yard can obtain.L To- Fwds copy of Bu letter 1/17/Reqn and contract number to be fwded at later date. 1-17 Norf. L 3-6 Norf - Request copy of contract or Navy Orders covering material. 3-16 To Norf-Fwds copies of correspondence for information. 4-19
		To-Lists source of supply of material. 3-21 I Mgr. S.O. To Norf-Gives copies of schedule and contract numbers for broadside director installations. 4-4 Norf - asks if contract has been made -4/10 - L	
274920	1/11	CO	Fire control telephones - relative to changes in additions - L To C&R- Recommends steps be taken to make fire control voice tubes system efficient. 1-25 To CO-Directs survey telephones and turn into store.No new phone to be appvd for at this time.1-25
279084	2-1	CO	Replace present general alarm gongs with a continuous ringing type .L To Chasn 2-15 CO - requests continuous in lieu of single strike gongs. L 2-5 To- Appves installation 3-15
		CO - General alarm gong - requests work be done by ~~navy~~ yard force. L 4-3 To Norf- Installation of general alarm gongs authorized. 4-11	
279115	1-31	CO	Replace gear wheels of main engine telltale gear. L. To Chasn- Auth replacing of four main gear wheels. 2-11 GALVESTON-Gives reasons for requiring new main gear wheels for main engine tell-tale gear. Y 4-9 Norf - States wheels are already installed, are made of composition G. Y & L 4-10 N Y 4/22 received back 5/3 Y
		Fwd Dept. 4-15 RB 4-20. Fwd Norf. 4-22	
285860	2-20 3-2	CO C&R	Fire control voice tubes - request changes in installation, L Fwd C&R 3-23

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GALVESTON: INT COM SYS. 212 - 4

Number.	Date.	From or To—	Subject.
300912	4/23	Norf	Reduction of batteries and re-arrangement of communication salvo and F C telephones - submits corrections to drawings - L Fwd Pug Sd. 5-8 Puget Sound - Fwds print. L 5-18
302158	4-29	Norf T	Reports receipt of 5 cases of telephones March 14th. L
314292	no date	C&R	Fwds drawings showing voice tube modification and schedule for changing labor on - L
316822	6-6	CO	Requests reports on status fire control. L
371362	11;22	NY	Tel. req. information as to date of shipment, general alarm contect marker L T8—, (T). No record shipmt order contact maker GALVESTON, 11-23

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[OVER.]

1912

GALVESTON INTERIOR COMMUNICATION SYSTEM

Number.	Date.	From or To—	Subject.	
57340	12/27	Fort Wayne Elec. Wks	Cont.15778: motor generators for i.C. Have not yet received instructions toship	629
61500	2-13	Pug.Sd 914	Telephone plans; reqt.L To---Vandykes fwd.2/23.	
64526	3/25	To Pug. Sd	& CHATTANOOGA: voice tubes, reqt list of all installed	154--4
65109	3-27	Pug.Sd	Fire control; fwds vandyke finished plans.L	
70218	5/29	Pug. Sd	& CHATTANOOGA: voice tube list, fwds print	154--4
70331	5-29	Pug.Sd &	& CHATTANOOGA: reqt. dynamotors for I.C. circuit. L To S&A.&---request shipment.6/13.	
70644	6/7	C&R	& CHATTANOOGA: voice tubes, states those going thru W.T. compartments must be fitted with w.t. mouth pieces.	154--4
104222	8-14 8-21	CO S&A	1913 Reqt. increase in money allotment.R	21

1914

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1914

GALVESTON: I-C SYSTEM. 212-4

Number.	Date.	From or To—	Subject.	
97080	1/12	To CO	ETC. Fire control telephone system; fwds print for comment as to whether preferable to system proposed.	184-3
121247	3/26	GALVESTON	DENVER Fire control; telephone system; submits comment and print of system installed on GALVESTON.	184-4
138032	9-24 10-27	CO C&R 23644-E.25	Install voice pipe connection with call bell between anchor engine room and stbd eng room.L Fwd C&R-- Rec disappvl. 10/31	
			1916	
200983	10/3	To CO	Reqt information as to number and type of fire control tele.L CO lists 11-9	
			1917	
215219	12-26	CO	Install telephones and call bells engine and fire rooms.:L Fwd Dept--Rec dissapvl. 3/3 RB 3-8 To--Work disappvd.3/13	
241412	2/20 7/26	CO C&R	Fire control voice tubes - gives list of material required L Fwd C&R--8/9	

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GALVESTON: INTERIOR COMMUNICATION SYSTEM:

FILE No.	From or To— (Dated)	Subject.	
29374 1/11	Pug.Sd. 122.E.11	Interior and power lighting circuits; requests finished plans Fwd N.Y. to ref via Norf. Norf to fwd dr. 1/24. R.B. 2/6	
29570 1/14	Pug.Sd 143 E.11	AND CHATTANOOGA; request authority to include 2 extra telephones in fire control installation Ret -- List of 'phones that will be reqrd 3/2. R.B.3/14	
38356 4/18	Pug.Sd	& CHATTANOOGA: Reqt indicators for long arm system.	154--4
38356 6/5	C&R	& CHATTANOOGA: power doors	154--4
40981 6/12	To Pug. Sd	& CHATTANOOGA: reqt wiring plans for power door indicator system	154--4
53992 11/13	Pug. Sd	& CHATTANOOGA: w.t/ door indicators, fwds prints proposed.	154--4
55800 12/4	Pug .Sd. 4329	Fire control system; fwds estimates.L Fwd Dept via C&R-Rec.appd.12/15. RB 12-26 appd Fwd Pug.Sd.12/27. RB 1-11	
		1912	
57370 12/26	Pug. Sd	& CHATTANOOGA: reports receipt of motor generators for telephones but no dynamo for salvo system	154--4

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GALVESTON: LIGHT & POWER:

1918

Number.	Date.	From or To—	Subject.	
335502	7/31	CO	Ask date of shipment of signalling search-lights - L To CO, Authorizes to draw mat'l for nearest store, 8-15	
336113	7/18	CO	Atl. cruiser 8/8 - have experienced no trouble with circuit breakers opening during gun fire - L	
381972	1/3/19	To Bureau Phone	Supply officer GALVESTON asks if Bureau would approve reqn 48-19 calling for mfg of four rocker arms for dynamo engine to replace arms worn out-- approved R	
			1919	
393061	2/6 2/7	CO Atl Cruiser	Cross head lengths and balls for piston valve rods on dynamo engine - L	
393748	2;6	CO	Overhaul both air meters. L	
478502	2;26	JAG	Submits report of Bd of Investigation to inquire into condition of boilers and generators of.	212-8

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N.S.E. Form 134.

212-5: GALVESTON: LIGHT AND POWER: 1921

Number.	Date.	From or To—	Subject.
590163	9:29 10;7	CO Comdr Train CANCELLED SEE 66-X-5	Reqt instal magazine lighting. L Fwd MI 10/22 RB 11/8 L Fwd C&R 11/14 RB 11/19 LY
		1922	
615533	3/17/22	CO	Request install modern lighting system in proposed new operating room. L Fwd Boston 4/1/22 RB 4/6 with estimates Y To C via Boston approved 4/8
634357	7/27	To CO	Annual report of Electric Plant Data- June 30- Generator Sets- Incmplete information L CO GALVESTON 7/31 L

4—3381

[OVER.]

GALVESTON: LIGHT & POWER: 212-5

1912

Number.	Date.	From or To—	Subject.	
83941	11-22 11-26	CO Pug.Sd 7020	Panel for batteries, repairs to ammemeters, and rheostats.L	
			1913	
86410	12-19 1 1-9	CO Pug.Sd 7852	Man-of-war lights; reqt. conduit and piping be installed to enable one of both lights to be turned on at will.L Fwd Dept.Not recommended.1/16. RE 1-20 To Pug.Sd.item 1 disappd.1/21.	
90625	2-4 2-14	CO Pug.Sd	Repair voltmeter on switchboard.L	
102279	7-25	Pug.Sd	Reqt. authority to install keyboard belong- to PHILA on	711-1
102492	7-29	TO	Searchlight; Binns control; reqt.report	708
102945	7/30	C.O.	Installation of standard blinker signal set	212--3
105223	9/3	Galveston	BINNS's control, searchlight, lost motion, etc. will have to be taken up before can give thorough test	708
34123	4/10	To S&A	Ship one 500 Watt Motor Generator to Navy Yd Norfolk for Galvaston L-S	629

N.S.E. Form 134.

GALVESTON 212--5

1912

Number.	Date.	From or To—	Subject.	
113145	12/11	C.O.	Reports on defects in ship: gen.sets, etc	212--8
113657	12/24	Galveston	Reports on BINN's control for searchlights	708
		1914		
		1916		
197758	8/28	To CO	Steam log; conditions of electric plant reported as engines very poor; reqt detail report of condition and yard estimates for correcting defects.L	
208681	12-2	Olongapo (Micanite)	Defects in dyanmo insulation; plan sample not recd: To--Reqt samples be fwded. 12/22 Fwd NY--Fwds samples for comment. 1/13 To--Comments on. 1/25 Olongapo fwds samples of defective mica 1/24 To--Acknowledges receipt of. 3/23	RB 1-23
		1917		
211400	11-1 11-29	Olongapo Asiatic Flt	Gen sets; recommends be replaced by 3 35kw 80 volt sets.L Fwd Dept--Rec disappvl. 1/18 To CO via Olongapo Asiatic Flt--Install disappvd. 1/25	RB 1-23
243550	7/6	CO	Reports removal of ardois signals L	
309751	6-14	To Carlisle & Finch Co.	Advising control gearing for seachlights be made of brass, L	

NB—0120

[OVER.]

212 -- 5

GALVESTON: LIGHT & POWER SYSTEMS.

FILE No.		From or To— (Dated)	Subject.	
29548	1/20	TO Pug.Sd	Gen.set; fwds plans.	
34875	3/16	Pug.SD	& Chattanooga: fwds prints showing re-location of searchlights	154--5
38107	5/2	Pug.Sd 1559	Dynamo engine; submits estimates for additional repairs.L Fwd Dept rec appr.5/9. RB 5-11a'ppd To -- apprd 5/11.	
55930	12/8	Pug.Sd. 4257	Battery charging station; submits estimate for.L Fwd Dept via C&R-Rec.appd.12/15. RB 12-21a'ppd Fwd--12/23. RB 2-9 To---Directs furnish small switch and bank of lights for taking six 32 c.p.lamps.2/10. 1912	
63348	3-7	Pug.Sd 1414	Submits estimate for installing mechanical control searchlights/L To---Work will not be auth.at this time. Reqst est.for installation of apparatus of Binns Machine Works.3/12.	
74532	7/29	Pug.Sd. 4403	Distance searchlight control--Binns type; est.L To-appd. 7/31 Ref.C&R 7/31	
76586	8/17	Pug.Sd. 4916	Searchlights; fwds prints showing installation of hydraulic control.L To - approved for one only 9/4	

NB—0120

GALVESTON WIRELESS 1922

Number.	Date.	From or To—	Subject.
619816	4/17 4/20	CO Boston	Request replace present radio transmitting set. W. To Boston- Alterations to Radio Apparatus 4/22 W Boston 5/12 List new radio apparatus installed on W
634933	7/31	To S'A	812 Reqst shipment of Portable field set from Ports to CO W RB 1/8/23 W Ports- Ask what is desired for. 8/11 W To CO- Reqsts Inform rel generator cc Ports 8/22 Ports (no date) Request action W Ports 10/4 W
		other side	S&A 10/7 W
USS GALVESTON ENG 22		Fwds Ports via S&A	Motor-generator for-- shipme t of cc CO WR
645435	9/15 10/5	CO Special Serv Sqd.	Request install 5 KW radio set. W. Fwds CO- Instln disappvd cc Spec Svc Squad 10/21

4—3381

212-6

N. Eng. 134

GALVESTON WIRELESS

1922

RADIO

Number.	Date.	From or To—	Subject.	
643933	from other side		Fwds S&A 10/10 W To S&A- shipment of generator Fwds S&A cc Ports 11/22	RR 10/26 W 11/2

4—3381

[OVER.]

GALVESTON: WIRELESS.

Number.	Date.	From or To—	Subject.
274147	12/1	Olongopo	Olongopo no longer home yard - plans and estimates will not be submitted on radio-W To S&A- eqts inform where radio set shipt order 10/25 now is. W
276383	1-15	Mars Island	Fwds special report on radion apparatus. W.
278301	1-31	S&A	Shipment of radio set from New York to the Phillippine Y. To- Reqts trace box #5 and when located notify Bureau. 2-5
279399	2-7	To Chasn- To hasn- Inform if missing quench spark gp is at Chasn. 4-19 R B 4/29	Radio installation on - Auth removal of present set and install 5 kw set. Is on board ready for installation. 2-7 W To S&A- Reqt shipt one long wave receiving set be shipt from Wash to CO. W To Norf(T)-Auth remove old radio transmitter and install new 5 kw now on board. 4-1 Norf - Radio installation - Recommends Bureau take up with NY yard missing spark gap - 2 KW set removed is being overhauled. W 4-13. To Norf--Auth install of Lowenstein spark gap. 4/18
295558	1/9 2/19	M Is Cavita	Radio transmitter - fwds data on - W Fwd CO 4-17

N.S.E. Form 134.

~~301717x~~ 212 - 6 GALVESTON: RADIO

Number.	Date.	From or To—	Subject.	
301717	4-30	To S&A	Reqt shipt transmitter and two batteries from Washington to CO. W To CO, rqst inform re receipt of radio, 8-19 To Glaveston 8-19 RB 9-9 - W	
407076	3/31	CO T	Requ instaklation of GALVESTON set at Phila while OHIO is at Yd installing new crank shaft W	323-6
431095	7-9	To S&A	Reqt shipt amplifier from Wash to CO. W	
504773	7-13	To S&A	Reqst shipmt of apparatus from Washn to CO 3639 W.	
533023	11;9 12;3	CO Boston	Request install new type of transmitting relay relocate transformers,etc.W To Boston Gives actioncc C[9] 12-11	
550234	3;7	N Orleans copy CANCELLED	Request auth to instal 2 kw radio equipment on board.W To N O (T) Instln Authd 3/10	

4—2381

[OVER.]

1913

Number.	Date.	From or To—	Subject.	
87096	1/1	CO	Fwds description of.W	
97198	5/14	To NY and S&A	Radio transformer, 2-kw, at present on GALVESTON: request shipment Puget Sd to NY for PITTSBURG.	342-6
102945	7/30	Pac.Res.Fleet	Installation & repairs, radio set, etc	212--3
103878	8-13	Pac.Flt	Transformer from WEST VA installed to prevent delay; one received from NY wrong voltage.W To-Pac.Res.Flt.appd.8/19	
108749	10-24	Guam T	Reqt. time of shipment of variometer.W (T)to Mare Is.mfr authorized.10/27 To CO.advising.10/27	
		1914		
117070	2/7	To Olongapo	Bu.has requested shipment from NY to Olongapo of 2-kw motor gen.and 2-kw transformer.W (See 117060-876) To Olongapo--auth.to rewind motor 4/3	
117060	2/7	To S&A	Reqt shipment of 2 Kw motor generators ad 2 Kw transformers from NY to Olongapo.	876
119242	12-26 1-26 3-6	CO Asiatic Flt C&R	Increase mast height for radio purposes.W Fwd C&R.rec no further action at present.3/9.	

N.S.E. Form 134.

1915

GALVESTON: RADIO APPARATUS. 212 -- 6

Number.	Date.	From or To—	Subject.	
180028	10/26	Pug Sd	Asks if portable radio set to be held at yard or to be forwarded to vessel on Asiatic Station	897
179568	2-19	To CO.	1/4 K.W. portable radio set type "D", asks disposition of. W	
194239	6/20	Asiatic Flt	"eceiver assigned to	898
197205	7-10	CO	Request authority to retain antennae rigging installed by ships force.W TO -- auth 8-24 RB 12-22	
202710	10/19	To S&A	Reqt shipt of one 5 KW transmitting set from NY to Pug.Sd. for.W To Pug Sd via C&R--Reqt plans and est for instllation of. 10/19 To S&A--Reqt shipt to Olongapo instead of Pug. Sd. 10/25 To Olongapo via C&R--Reqt plans and est for installation of. 10/27 To Pug Sd via C&R--Reqt fwd to Olongapo type plans for use in installation of. 10/27 To NY--Reqt fwd to Olongapo detailed plans of above set. S&A - 1/17 - W	
206014	11/14	Pug Sd	Plans for installation 5 kw transmitting set; fwds for approval	161-6
223118	4/17	To CO	NSE 25-E and Bu records Differ. Reqt further information. W CO - 6/26 W	

NB—0120

[OVER.]

212--6
GALVESTON: WIRELESS TELEGRAPH SYSTEM.

1

FILE No.		From or To— (Dated)	Subject.	
28989	1/13	To Pug Sd	& CHATTANOOGA: fwd reqn covering wireless set	154--6
38182	5/2	Pug.Sd 223	Submits estimate for installing W.T.Set.W Fwd Dept.Rec.appr. of estimates.5/11. K.B.Appd.States vessel willnot be placed in active commision for some time.5/12. Ret -- 5/13. RB 5-24	
53977	11/0	Pug.Sd. 4091	Reqt. to be advised what is to be supplied: submits estimate for installation,etc.W To--States new set will be supplied from NY when recd and tested.12/6.	
			1912	
58229	1/3	Pug.Sd 2229	Re disposition of old set.W.	
66781	4/20	Dept	APPAR: directs sets for: be expedited.	876
68702	5-9	Pug.Sd 2676	Submits estimates for installing complete wireless set. W. To---appd.5/16.	
81503	10-25	CO	Set was finished by yard force 10-16. W.	
			1913	

NB—0120

212-7

GALVESTON

1918

Number.	Date.	From or To—	Subject.	
293859	4/2	S& A	Reqt shipt of sub sigapparatus from Ny to Norf for Galveston. L	711-3
299160	4/17	Norf	Wiring - fwds plan - L	
		1921		
571490	6;15 6;23	CO C&R	Reqt auth to remove submarine bell instaln.W To Boston (T) Gives- instrns re removal of apparatus cc C&R 6/27 C&R-copy of action to Boston-6;27-W Fwd C&R 7/1 Boston-7;27-W Boston- Reports removal. 9/16 W	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

GALVESTON MACHY PLANT 1922

Number.	Date.	From or To—	Subject.
643695	10/2	Atl Spec Ser Sqn T.	Vessel docked, completed repairs & undocked Y
648681	10/4 11/7	CO C&R	Submits report on Y Fwds Operns via Ordn 11/16
648741	11/8	Spec Ser Sqn	Copy: Will send vessel direct to Boston for overhaul Y
649204	11/10	Dept	Copy T. to Special service squadron directing send vessel to New York and Boston Y
652415	12/6	Boston	Copy GALVESTON arrived at Yard Y

4—3381

GALVESTON MACHY PLANT 1922

Number.	Date.	From or To—	Subject.	
652631	12/7	Dept	Instructions in connection with holding material inspection Y To Bd I&S-- Fwds listed reports 12/9 Board IS 1/2 Returns corres Y	
652878	12/6	CO	Submits outline to be done by ships force during overhall period Y	

212-8

GALVESTON: MACHY PLANT:

7

Number.	Date.	From or To—		Subject.
569737	6;14	C&R		Copy of letter to Boston authorizing docking of vessel.Y
~~569819~~	~~6;15~~	~~Boston~~	~~copy~~	~~Vessel docked.A~~
578345	8;1	Boston	copy	Vessel undocked.Y
~~582290~~	~~8;23~~	~~CO~~		~~Vessel enroute to Ham Rds post repair trials show no defects.Y~~
586326	9;29	C&R		General plans-fwds booklet.D
590158	9;30	CO		Report on condition of anchor and steering engine.Y
591121	10;4 10;15	Atl Flt C&R		Submits report of inspection.Y
592225	10/24	8th Dist.	Copy	Vessel left in search of missing seaplane 893, Y 8th Dist- Copy- Seaplane located.10/25 Y

4—3381

212- 8

N. Eng. 134
GALVESTON MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.
618134	4/7 4/11	CO C&R	Request vessel be dockt for examination of tail shaft Y Fwds C&R cc BOSTON- CO 4/14 C&R- Copy action to Bostn 4/17 Y
621395	5/1	Boston copy	Vessel undocked Y
638406	8/19	Special Serv.Sqd.	Copy- Request vessel be made available at Boston for repairs not later than 10/1. Y
641509	6/30 9/14	CO C&R	Submits report on matl readiness Y Fwds Oprns via rdn 9/30

4—3381 [OVER.]

GALVESTON: MACHY PLANT

Number.	Date.	From or To—	Subject.
373372	12-7	Gal. 18	Telegram - expedite lathe - requests-authority to turn in old
478502	2;26	JAG	Submits report of Bd of Investigation to inquire into condition of boilersand generators of. cross to 10 and 5. Dept-fwds JAGS report covering condition of boilers and generators-2;28 Fwd Operations copy to CO. 3-5 Fwd Navgn. 3-20
484319	3-30	To Pug Sd via Ord and C&R. copy toCO-	Reqts Bu uncompleted work be closed. Y
485294	4;2	Ord	Copy of indorsement to C&R approving action in connection with uncomplete work.Y
516669	9;11	Operns	Vessel directed proceed to Boston.A
518486	9;20	Dept	Directs matl insp̄n Boston yard.Y Bd I&S-returns corres-11;2-Y
520548	10;2	CO copy	Report covering unsatis condition of engine and fire room bilges.A&Y
521163	10;5	Boston copy	Request vessel be inspected Oct 14th instead of 12th.A

4—3381

N.S.E. Form 134.

212-8:GALVESTON: MACHY PLANT:

Number.	Date.	From or To—	Subject.
526953	no date	Bd I&S	Report on material inspn held Oct 15th.L
534547	12;17	Boston	Submits detailed report of survey.Y Fwd Dept 12-24 RB 12/30 Y To Boston appvd cc Squad Spc Svc- CO 1-3/21
541339	1;18	XO	Rules for engineering performances transferred from Lieut G.F.Neiley to Lieut S.J. Pattison.M Fwd Operns 1/21
551174	3;12	Dept	Copy of letter to Boston directing retain vessel in commission.A
550901	3/9	Dept	Copy of telegram to 1st Dis directing place 185-8 DES MOINES out of commission and make GALVESTON ready for service. A
552788	3;21	C&R	Copy of letter to Boston authorizing docking.Y
557014	4;12	1st Dis copy	Capt C.S.Kempff assumed command.A
561304	4/27 4/30	Boston Dept.	Fwds correspondence with report on docking and condition of shafts propellers and stern bearings. Fwd Operns 5/3 RB-5;10-Y Fwd C&R 5/11

4—3381

[OVER.]

1918

GALVESTON: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
294959	4/2	Norf	Estimates 35 days reqd for work - May 11th recommended date of completion - Y	
293071	3-28	To Norfolk	Has reqts Chaltn Yd to transfere all job orders and unfinished correspondence to Norf To S&A-Reqt sissue necessary instructions for shipt to Norf of one set of evaporator tubes assembled at Chasn. 3-28 To S&A-Reqts that issue instructions for shipt of engine only of material assembled at Chasn for Norf. 3-29 Norf - returns enclosure - 4/9 - Y Chasn (T) Norf requests earlies shipment of evaporator tube - Y Phone Norf-Evaporator tubes not required. All work completed. Bu reqted be informed what officer at yd reqted the tubes. 5-2 Fwd S&A 5-2 To - S & A 5;2 received back 5;6 Y	
312300	6-1	Dept	GALVESTON--asigend to Norf	774
333548	8-3	CO	Copy - request authority to obtain grease extractor from New York also request authority to over haul machinery and clean boilers - Y	
363450	10-23 10-28	CO Atl. Cruiser	Request install ash pans under main boilers Y To NY, re urgent repairs 11-4	

N.S.E. Form 134.

GALVESTON: MACHY PLANT. 212 - 8

1918

Number.	Date.	From or To—	Subject.	
363452	10/23 10/28	CO Atl Cruiser	Request install connection dynamo main steam line to ice machines steam line in dynamo room etc - Y Fwd NY 10-31 back Nov. 15	
363315	10/28	Dept	Ship will be available for repairs at NY about 11/5 - Y N.Y.- (T)- Asks if telegram inadvertently addressed to N.Y. Y.10/31. To NY, Fwds report of work re above 10-31 Fwd Norf 11-1 To Norf (T) Re transfer job orders to NY 11-1 New York Nov. 6 - Material not available	
365998	11-3 1;9	CO NY	Request gate valves for flushing main and a heater for heating feed water to evaporators YD To Dept., bureau disapproves alterations, 11-8 To NY, considers that alterations not necess, 1 1-8 To NY Nov. 8 back Nov. 14 Fwd NY, 11-16 To Dept. Nov. 8 back Nov. 15	
365986	11-6	CO	Repairs to propellers and ice machine Y	
374602	12;4	Dept	Date of completion of auth. work extended to Dec. 23 Y	

4—3381

[OVER.]

GALVESTON: MACHY PLANT. 1917

Number.	Date.	From or To—	Subject.	
264923	10/26	CO	Reports on material condition of vessel Fwd Sept-12-5	- Y
269348	12-26	To Pug Sd	Transfer of job orders to Norf/ Y	
269349	12-26	~~Transfer of material to Norf~~ To CO	Transfer of material to Norf. Y CO Jan. 20. Y. CO (T) all material landed 2-5	
			balance may be landed, report action 2-5 To (T)-Retain on board 5-KW radio set.	
	12/30	CO	Fwds report on dock and post repair trial	- Y
275017	1-22	Fwd Operations.	Report of post repair and dock trials. Attnetion invited to general nature of the defects. Y	
275853	1-23	To NY	New steam cylinder for pump 180304. Inform if yet received. 1-23 Y To CO (T)- If practicable retain spare boiler material on board until decision made at at which yard repairs will be made. 1-23	
267868	1-26	CO	Requests orders to allow spare crank shaft, motor parts propellor blades and motor dories, etc/ Y. Fwd Ordnance via C&R- 1-29 RB Feb. '.	

4—3381

N.S.E. Form 134.

GALVESTON: MACHY PLANT. 212 - 8

Number.	Date.	From or To—	Subject.
278517	2/1	Dept	To be available Chasn for repairs - A
279112	2-1	CO	Fwds. list of repairs required. Y. To Chasn- Fwds above letter with instructions. 2-6 To Norf- Item no. 2 not appvd at this time. 3-27
280394	2-8 2-1	Department. CO	Repairs on engine prevents cruise from Cavit to Hampton Roads. K/ Fwd Operations. 2-11
293179	3-28	Dept	Cancels instructions of Feb 21 - now available for boiler repairs. Y
292792	3-27	Phone Norf.	Work at Norf. Yd stated that ship was in dock and that repairs are in progress. Y
293071	3-28	To Norf Phone - Inform if tubes are required at 5-1 To Chasn (T)-Norf reports evaporator tubes not needed. Do not ship pending further instructions. 5-1	Has reqted Chasn yd to transfer all job orders and unfinished correspondence to Norf. Y To Chasn(T)-Do not ship tubes to Norf. Tubes at Chasn may be considered available for issue. 3-28 To S&A-Reqts issue necessary instructions to CHASN FOR THE MOST EXPEDITIOUS METHOD of shipping to Norf of evaporator tubes. 3-28

4—3381

[OVER.]

1915

GALVESTON: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
164627	8-30	Bd I&S	Material inspection. Y	
165411	9-4	Dept	Military inspection.Y Retd Via C&R Via Nav--Noted.9/10	
167414	8-19 9-30	CO Dept	Retiring commanding officer reqt action on repairs fire room angle irons, distillers require retubing, new gages.Y Fwd Dept Via C&R--Noted. 10/5	
167843	10-9	Asiatic Flt T	Summarizes amounts recommended by Board I&S. Y Fwd Dept-- Rec appvl of work. 10/12 RB	10/16
168220	10-9 10-11	Asiatic Flt R Dept	Lists amounts recommended by Board I&S. Fwd Dept--Action taken. 10/14	
169048	9-7 10-22	CO Dept	Reports on unsatisfactory condition noted in material inspection report.Y Fwd Dept Via C&R-Ord--Noted.10/26	
171304	11-15	Dept	Hull inspection.Y Fwd C&R--Noted. 11/16	
171362	10-2	CO	Progress of work remedying defects. Y Fwd Dept Via C&R--Noted. 11/17	
172004	10/2 10/4	CO Asiatic Flt	Remedy of defects noted during inspection.Y Fwd ~~NaxxYxx~~ Dept Via Nav--Noted. 11/26	

N.S.E. Form 134.

1918

GALVESTON: MACHINERY PLANT. 412 -- 8

Number.	Date.	From or To—	Subject.	
195042	6/17	CO	List of repairs to be done by ship's force·Y	
195186	8/26	Fwd Phila	Fwd Dept-- 9/14 See 412-8-(Sterling)	
209396	10-9	CO	Post repair trial; fwds report.Y	
			1917	
215214	12-27	CO	Repair main engine cylinders, pump, gen sets,Y	
225845	4/28	Dept	Military inspection Y Fwd Dept via C&R Ord S&A M&S--5/2	
250722	6/19 8/30	CO Olongapo	Alterations-replace feed water heaters and install independent dynamo exhaust pipe tube condensers.Y Fwd Dept- Fwd recommending appvl. 9-29 To- Alteration disappvd. 10-3 CO - request decision 10/22 Y To CO (T)- Alterations disappvd. 10-23	R B 10/3

NB—0120

[OVER.]

GALVESTON: MACHY PLANT.

Number.	Date.	From or To—		Subject.	
94717	3-29	Dept	17437-91	Inspection report; fwds.Y Fwd Dept. via S&A-M&S, noted 4/17	
103925	8-16 8-13 8-19	CO Pug.Sd C&R	 11890 27644-E.15	Estimate for piping and elec. work for laundry installation; disapproved by C&R.Y Fwd Dept.8/21. R&B 8-26 Ret C&R.8/27.	
104854	9-2	Pug.Sd	T	Cannot complete work until 9-18; on account renewing hull rivets.Y	
104942	8-27 8-29	CO Pug.Sd		Reports onconditions which caused delay in sailing; fwds weekly report repairs.Y Fwd Dept. 9/5	
105017	8-25 9-4	CO Dept	 17437-101	Have directed investigation as to cause of delay in completing repairs Aug.30 to Sept.18.Y Fwd Dept 9-6	
105018	9-5	Dept		Repair period extended to 9-18.Y	
106882	9-29	Dept		Report of proceedings of board to investigate reasons for un-preparedness of vessel for sea at Pug.Sd. C Ret---10/7	
126760	6/2	Dept.		& CINCINNATI; request recommendations re changing home yard to Olongapo.Y	161-8

NB--0120

N.S.E. Form 134.

GALVESTON: MACHINERY PLANT. 212---8

Number.	Date.	From or To—		Subject.
108034	9/10	Olongapo		Request complete set of Vandyke plans.D To---fwds Vandykes.11/11
113145	12-11 12-17	CO Dept		Reports on defects in ship: condensers, pumps, distillers, valves, gen sets,etc.Y Ret Dept.rec report be ref to Pug.Sd and Pac.Res.Flt.12/22. RB 120 Ret Dept via Nav. rec no further action.1/23. RB 51 To CO via Asiatic Flt.Bu assumes that defects will be remedied.5/1. Fwd Dept.5/1.
114255	11-15 1-6	Dept C&R	26283-651 17729-E.591	Report of board on unpreparedness of vessel Aug 30, 1913 at Pug.Sd.Yd. C Fwd JAG. 1/8
		1914		
122079	12-5 2-26	CO Olongapo		Alterations: additional distiller, 2-ton ice mchine, pump for ash ejectors, install direct exhaust steam piping from gen sets to auxiliary condenser.Y Fwd Dept.with rec.4/16. RB4 28 app d To Olongapo via Asiatic Flt.instructions. 4/28.
127267	6/10	Dept.		Military inspection; fwds report.Y Ret---via Ord and S&A.6/16.
132393	6-19 6-30	CO Asiatic Flt		Distiller head main feed pump; repair.Y
139870	11-16	Dept		Material inspection. Y Fwd Dept VIA bus 11-18
153097	1-27	CO		Repairs to ash h ist engine and teltale gear.Y
154261	5/4	S&A		~~Reqt comment on proposed change of home yard 161-8~~

NB—0120

[OVER.]

GALVESTON: MACHINERY PLANT: GENERAL.

FILE No.		From or To— (Dated)		Subject.	
35435	3/31	Pug.Sd	1917	Gen.Survey under Bu. Equipment; submits estimate for division of work; under SE & C&R.L Fwd C&R for information 4/6. RB 4-22	
36034	4/8	Pug.Sd	1276	Survey; Item 62; steel shield for enclosing thrust bearings; submits revised estimate.Y Fwd Dept rec appr.4/14. RB 4-17 app'd To -- apprd 4/18.	
41987	6/17	Pug.Sd.	1965	Estimates for work found necessary in addition to those reported in General Survey. Y Fwd Dept.Rec appr.7/11. RB 7-12 a'ppd To -- Appd 7/12.	
44887	7/25	Pug.Sd	2799	Statement of amounts authorized under appropriation for repairs in connection with Genl. Survey, Mch. 10, 1910.Y Fwd Dept.Comments; when revised estimates are received, same will be submitted.- Ret---(enc.) Recst revised estimates.8/9. R.B.from Pug.Sd 8/28.	
				1912	
68593	5-7	Pug.Sd	2640	Estimate for testing out machinery after survey repairs.Y	
80219	10-4	Pug.Sd	5970	Dock trial; reports on. Y Fwd Dept10-25	
84162	11-23	Dept	17433-88	Inspection held 11-6; report. Y Fwd S&A.12/5.	
				1913	
88190	1-1	CO		Reports on readiness for battle.Y	

NB—0120

1917

GALVESTON: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
243368	8/12	Cavita Copy	& BAINBRIDGE & DECATUR spare crank shafts - gives sizes Y To—Ask actual number on hand.8/15 Cavita - no crank shafts in store - have made issues to DECATUR & BAINBRIDGE - 10/3 Y Fwd Comdr Flotilla A,Div C destroyer Force- 11-10 R B 1/9	
280394	2-8 2-1	Department. CO	Repairs on engine prevents cruise from Cavit to Hampton Roads. K.	212-8
439984	8/7 8/14	American Steel Fdys Norf 1921	Request disposition of high pressure piston patterns on hand for. Y.	212-14
553541	3;8 3;24	CO Boston	Request renew ring on balance piston ofport ip valve-gring hp piston rod,etc.Y ~~To Boston Reqst est be subm cc Co 4/5~~ Boston-submits estimates-4;12-Y Boston-8;20-Y To Boston Estimate approved 6/23	
597255	11/21 11/22	JAG Dept	Report cov investigation of damage to star board main engine. Y Fwd Oprns 11/26	
598423	12/7	Fwd Navign	Bd of investigation to inquire into all the circumstances pertaining to the damage to the starboard main engine L F	

4—3381

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.
604036	1/6	JAG	Report cov condition of #5 boiler on board. Y Fwd- Navign 1/14
617627	4/7	Boston	Request instructions rel to retubing distillers Y To Boston- Auths retubing of distillers be done by ship's force 4/15 Ys cc GALVESTON
645434	10/3 10/8	CO Special Serv.Sqd.	Request spare heaters and water logs be carried on board as spares.Y To S&A Reqst shipment of boiler spares from Phila to Boston 1382 10/26
646021	10/8	CO	Electrically weld crack in front of #1 boiler header. Y
651405	11/8 11/16	CO Spec Service Squad.	Submits inform rl to instln neccy to operate evaporator on auxillary exhaust D Fwds Boston cc CO- Comdr Spec. Svc Squad 12/23

N. Eng. 134

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
306886	5-13	Norf	Reports -- in certain parts of boilers for replacement. Y To- Balance of material may be shipped to NY 5-16	
363450	~~10/23~~ ~~10/28~~	T CO A 1 Curiser	~~Rqst install ash pans under main boilers/Y~~	212-8
45~~6~~859 7	11/8	European Forces Copy	6759 - Reqst immediate shipment of one rear left corner header B&W boiler - Y To(T)- Advise Bureau name of ship requiring header. 11-14 European Forces-copy-request repeat telegram--11;22 To S&A- Reqt shipment boiler header from Brook to CO. 11-26 RB-5;18-Y European Forces-copy-7126-material should be shipped to vessel at Constantinople-12;10 To European Forces (T)-Rear left corner boiler header for shipped via NEREUS to Constantinople. 12-12 To CO-reqt infor re shipping order-2;26 1920	
469939	1;19 Fwd S&A. copy to S.O. Norf-CO and European Forces. 2-19 Fwd S&A. 2-10 Norf-2;27 To SO Norf. rel shipmt 3/9 Norf-4;8-Y Fwd SO Norf 6-3. CO-5;17-Y	European Forces	T Request immediate shipment 200 2 inch tubes for B&W boilers-Y To S&A- Reqt shipment boiler material from Brook to CO. 1-20 RB-6;15-Y To S&A- Reqt shipment boiler material from Norf to CO. 1-20 S&A-2;6 Fwd S&A. 2-10 R B 2/17 Norf - reqst action - 5/24 - Y	

N.S.E. Form 134.

212-10: GALVESTON: MAIN BOILERS: ETC:

Number.	Date.	From or To—	1920 Subject.	
471648 2	1;23	European Forces	copy Request shafts of crossback and tubes for B&W boilers.Y To (T)- Material shipped from Ny and Norf shipping data following by letter. 1-26	
476966	2-19	To S&A	Reqt shipment Boiler from Ports to CO. Y To CO Adv if Cross box recd 6-30.	
478502	2/26	JAG	Submits report of Bd of Investigation to inquire into condition of boilers and generators of.	212-8
499105	5;21 5;7	CO Adriatic Forces.	Safety valve settings on boilers reduced to 200 pounds.D&M To Dir Gunnery Ex. Eng Per. Reqst that confidentia supplement to rules be revised accord 6-21. To Co- Reqst inform 10/22 CO-10;31-M&D To Dir og Gunnery Exercises and Eng performances-grants authy 11/23 To Galveston Gives instrns 11/23	

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[OVER.]

212 — 10

1917

GALVESTON: MAIN BOILERS: ETC.

Number.	Date.	From or To—	Subject.	
267708	10-27	CO	Removal of feedwater heaters.Y To Norf- Directs to investigate upon arrival and report to Bureau.re alterations. 12-26 Norf - No change is recommended. 4-3 Fwd Dept. 4-9 R B 4/13 - Y To- Dept disapproves alterations. 4-15	
272682	1-11	To S&A	Rept shipt 4 evaporator coils from Pug Sd to Norf. Y Norf - fwds copy of correspondence - 5/25 - Y Fwd S&A, 5-28 R B 7/1 Norf - T - Request copies of correspondence. Y 6-7 To Norf? Fwd corres. re evaporator coils. 6-8 To Norf, rqst inform re shipmt of coils 6-11 S & A 6;12	
		S&A - Copy of letter to Norf requesting ~~copy of letto~~ further search be made for certain material. Y Norf - Evaporator coils received. Y 6-1 6-19		
275980	1-23	Phone Chasn	Boiler work. Bu asked if could undertake. after departure of CHATTANOOGA. Yd replied would like to have it as soon as possible. Y Chasn - 1/10 - Y Phone Norf 2-8	
276759	12-29	CO	Repairs to boilers Y. Fwd Dept 1-2 R B 2/21 To Norf (T)-If time available place on board 9 side boxes marked "Q". These are in addition to those already on board. eport action taken.2-1 To Ports- Lists material to place on board if vessel should stop there. 2-1 Phone Norf- Bun reqted that the ship be advised that the boiler material would be placed on board the ship at the Ports Yard. 2-1 Phone Norf- Yard stated that the 9 boiler side boxes would be delivered to the at Hampton Roads vessel is not going to yard. 2-2	

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N.S.E. Form 134.

212-10:GALVESTON:MAIN BOILERS:ETC.

Number.	Date.	From or To—	Subject.
281985	2/15	Chasn R	Request drawings of tubing for renewing evaporator tubes.Y To(T)-Sufficient evaporator tubes being shipped from Phila. 2-16 To S&A-Reqt shipt. 128 evaporator tubes from Phila to Chasn. 2-16 Shipment order RB 3/18
283480	2-21	Dept	Available for boiler repairs at Charlestown after March 25th. Y
292939	3-27	Chasn T	GALVESTON - asks if evaporator tubes shall be shipped to Norfolk. Y To(T)-Prepare for shipt most expeditious manner to Norf evaporator tubes. ang lathe. trans job orders and correspondence. 3-28 Phone Norf-Asked yd if had all necessary material for evaporator work. 3-28 To S&A- Reqts issue necessary instructions for shipt of one set evaporator tubes to Norf. 3-28
293179	3-28	Department	Cancels instructions of Feb 21 - now available for boiler repairs
293071	3-28	To Norfolk	Has reqts charleston yd to tranfere all job orders and unfinished correspondence to Norf
305131	5/7	Norf	Request van dyke print showing boiler details of-D

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[OVER.]

Number.	Date.	From or To—	Subject.	
			1912	
76923	8/29	Pug.Sd. T	Requests immediate purchase and shipment of upright for left corner box for boilers.Y To S&A.&---.Reqst shipment.8/30.	
77263	8/30	Pug.Sd. 5169	Boiler C; estimate for providing new upright.Y	
			1913	
105103	9/3	C.O.	States reducing valve on main steam lines have had all interior removed, asks if safe to use full boiler pressure without use of same.	212--20
112992	12-12	Pug.Sd	Spare evaporator coils; re disposition of.Y To---directs retain in stock.12/18	
113145	12/11	C.O.	Reports on defects in ship, distillers,etc	212--8
			1915	
162481	7/21 8/2	CO Asiatic Flt	Welds crack in header, boiler No. 4.Y	
163986	7-6 7-19	CO Asiatic Fltt	Mfg bottom globe connection. Y	
			1916	
181893	1-8 2-7	CO Asiatic Flt	Tin distiller tubes.Y	

N.S.E. Form 134.

GALVESTON: MAIN BOILERS 212-10

Number.	Date.	From or To—	Subject.	
203382	8-30	CO	Report of board on main boilers: CinC has directed safety valves be reduced 250#:YD	
209402	9-19	CO	Boiler pressure reduced from 275 to 250#. DM	
209391	8-24	CO	Repairs smoke pipes.Y To Asiatic Flt--Work auth. 12/29	
209398	9-20	CO	Reports reduction boiler pressure 275 to 250#. D	
			1917	
217501	1-24	CO	Recommends safety valves Nos 1 and 2 be increased to 255#.DM To via Asiatic Flt--Grants auth.3/12 R B 7/28	
~~246400~~	~~8/6~~	~~Asiatic Flt~~	~~Fwds report of Bd of Investigation on condition~~ of boilers Y	
254753	10/15	Asiatic flt cable copy	Repairs to uptake of boiler supports required.Y	
256950	10-27	To CO CINCINNATI T	Flag direct CINCINNATI GALVESTON take on board before sailing home all spare propeller blades Olongopo and all boiler material suitable these vessels Cavite Olongopo.	161-10

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[OVER.]

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GALVESTON: MAIN BOILERS: ETC.

1

Number.	Date.	From or To—		Subject.	
38105	5/1	Pug. Sd	225	Reqt. installation of evaporator trolleys; submits estimates. Y Fwd Dept via C&R Rec appr.5/9. RB 5-25 a'ppd To -- Auth.5/25. Fwd C&R. 5/25. RB 6-2	
43696	7/11	Pug.Sd	2592	Retube boiler A; Est. for.Y Fwd Dept. Rec appr.7/17. RB 7-19 a'ppd To -- Appd.7/20.	
55431	12/7	Pug.Sd.		Grate bars; requests authority to alter; present fitted for B&W.Y Fwd Dept-Reqt confirm. of action.12/8. RB 12-12 a'ppd (T) To-Auth.12/8.	
55557	12/8	Pug.Sd.	4322	Submits revised estimate covering repairs to boilers; work found necessary on examination.Y Fwd Dept-Rec/appd.12/9. RB 12-12 a'ppd To--Appd.12/12.	
55809	12/4	Pug.Sd.	4338	Inswinging furnace doors; states original estimate insufficient; submits increased. Y&D Fwd Dept-Rec.appd.12/12. RB 12-14 a'ppd To--Appd.12/14.	
56637	12/20	Pug.Sd.	T	Boiler D; crack developed while testing. Requests new upright.Y	
56813	12/22	Pug.Sd.	T	Defective 2" tubes developed on test due to pitting; necessary to renew all old 2" tubes.Y Fwd Dept-Has auth; reqt confirmation.12/23. (T) To--Authorized.12/23. RB 12-28 a'ppd	

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GALVESTON: MAIN BOILERS: ETC. 212 -- 10

Number.	Date.	From or To—		Subject.
56912	12/19	Pug.Sd.	4468-11	& CHATTANOOGA: Relative to overhauling boilers and final setting of safety valves. Y&D To---Satisfactory to set at 275 lbs. 1/5.
				1912
57363	12/26	Pug.Sd	4498	Boiler D. Reports crack in upright; estimate for repair. Y.
57624	12/28	Pug.Sd		Defective 2" tubes; submits estimate. Y
58764	1/8	Pug.Sd	80	Fit additional zincs on drums of. Y (T) to---appd. 1/17. Fwd Dept. reqst appr. 1/17. RB 1-19 appd
61008	2-6	Pug.Sd	720	CHATTANOOGA: furnace castings for B&W boilers: fwds vandykes of thoseactually installed. D
61287	2-9	Pug.Sd	797	Tested by ships force; submits estimate for in identally yard work. Y
61693	2-15 2-20	Pug.Sd Dept	1008	Necessary to extend date of completion due to non delivery fire brick. Y Regn. 376 Pug.sd. Fwd S&A. 2/23. RB 3-22 Fwd S&A. 3/23. GALVESTON
71814	6/22	Dept		& CHATTANOOGA: to be placed in second reserve immediately. Pug.Sd. reqt instructions re 154-8 appropriation against which to charge equipage K

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
498785	6/18	To GALVESTON	Power boats- Asks if have on board 30' steamer 14700 Y	611-1
501058	6/22	C&R	Copy letter to GALVESTON in conn with boats transferred to; Y	611
501846	5/24	GALVESTON	Submits report on power boats on board; Y	611
513655	8-25	C&R	Instructions to Adriatic forces for transfer of boats;	611
517987	9/20	To GALVESTON	Reqst correct engine number of 30' motor sailing launch 4891 Y	611-6
559766	4/23	C&R	30' motor sailing Launch 4891 on board GALVESTON condemned for sale Y	611-6
574628	7/12	C&R	CO GALVESTON request three 30' motor sailing launches be furnished Y	611-6
603012	1/5	To CO GALVESTON	Whereabouts of Motor sailing launch No. 2037 cc LOG	611-2

212-11

N.S.E. Form 134.

GALVESTON AUX MACHRY 1922

Number.	Date.	From or To—	Subject.	
603012	3/21	To CO USS GALVESTON	Whereabouts of Type BB engine. Ye	611-2
630212	6/27	C&R	GALVESTON will consider exchange of steamer 14700 with motor boat when vessel comes North. Y	611
647013	10/28	To USS GALVESTON	Error in Power boat engine number Ye cc M	611-6

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N. S. E. Form 134.

GALVESTON: AUXILLARY MACHINERY 1919

3

Number.	Date.	From or To—	Subject.	
400789	3/7	C&R	Copy of tele to Norf auth delvy 40 ft steamer to GALVESTON	611-1
401355	3/10	C&R	Auth issue of motor boat 5037 to GALVESTON	611-2
402104	3/1	C&R	Copy of ltr to NE directing prepare 30 ft steamer for GALVESTON & To C&R asks re disposition	611-1
404083	3/19	NY	Steamer 14700 assigned to GALVESTON Y	611-1
404292	3/20	C&R	Steamer 14700 assigned Galveston Y	611-1
418426	5/14	C&R	Cpy letter to Patrol Forces auth retain 35' motor boat on board GALVESTON Y.	611-2

GALVESTON: AUXILIARY MACHINERY

Number.	Date.	From or To—	Subject.	
419441	5/21	To GALVESTON	Asks correction of records, launch 4891 on board 3-31, on Jan 19th reported lost, engines installed in hulls Nos 1423 and 4890 opposite from report, eng installed in hull 5037 is No 3625 instead of 3629-Y	611-2
SE 55	5-24	To NY	Asks if engine 2087 was turned in by, if so sub report covering Y	
457497	11/6	GALVESTON	Submits report of damage to Sterling motor installed in barge assigned to senior naval bearing; Y	611-2
476393	2/17	To C&R	GALVESTON reports steamer 1159 and motor boat 3421 on board. Records show assigned to SCORPION. Advise if transferred. Y	611-2
GALVESTON Survey SE 55	2-21	To Ny	Type BB power boat engine No. 2087 Whereabouts. Y	
477344	2/21	To GALVESTON	Information reqstd disposition made of engine 2087. Copy SO N.Y. and Fleet Base.	611-2
480860	3/10	C&R	30' m.s.l. 3285 transferred to GALVESTON; Y	611-2
482206	3/17	N.Y.	GALVESTON will turn in DD engine 2087; Y	611-2

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GALVESTON: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
			1915	
148753	3/4	To GALVESTON	Steamer 809; reqt further information on boiler; number and type of omitted from steam log	611-1
171018	9-14 10-4	CO Asiatic Flt	Magneto and mitre gears for motor dory eng.Y	
			1916	
186381	3-14 4-6	CO Asiatic Flt	Repairs to motor sailina launches engines.Y	
194427	7/21	C& R	Motor dory 1241 assigned in lieu of 1021	611-2
197204	6/2 0	CO	Engine 695 installed steamer 809 in lieu 810	611-1
197338	7/26	Asiatic Flt	Engine 2352 installed in motor dory 1241, transferred to GALVESTON	611-2
199019	9/12	To Norf	Assigns engine	138-11
199850	7/14	Cavite	Engine 2252 installed in 1241 Galveston Y	611-2
			1917	
217502	1-28	CO	~~Repairs to motor boat machy.Y~~	
229838	3-30	GALVESTON	Reports changes in power boat machinery.	611-1
250647	8-21	Cavite	Launch engine 1217 installed in; launch G-2 531 in steamer 503,	611-1

N.S.E. Form 134. 212----11

GALVESTON:AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
278567	12-29 2-2	CO C&R	Renew sections of over-board discharge pipes ash hoppers. R. Fwd Chasn- 2-4	
277927	1-31	C&R	Instrns rel to boat allowance for GALVESTON. Y	611-2
294599	3/3	Galveston	Recommends replacement o engine 2087 recently surveyed.	611-2
298526	4/15	C&R	Galveston—Copy instructions to Norf to issue motor boats to.	611-2
Galv 55	1-16	To New York	Tele. Request Engine #2638 be issued for motor sailing launch #1423 to replace Type #2087.	
BUSE 55	1-20	To NY Phone	Reqst steps be taken re del material eng for repair no 7572- Norf BL 15003 consigned Supply Officer Fleet Supply Base for-	
387316	1/21	C&R	Cpy of tel to NY asking if motor sailer del to GALVESTON Y	611-2
389439	1/28	C&R	Copy letter to Bu SE reptg 3 08 motor sailing launch belongong to GALVESTON found 30' motor sailing launch C-312 assigned for issue to NY Yd Y	611-2
393384	2/7	C&R	Whale boat 952 found at Coast Guard Stn 316 Y	611-2

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GALVESTON: AUXILIARY MACHY

L

Number.	Date.	From or To—	Subject.	
37761	5/3	C&R	BOATS: reports assignment of 33' No.745 from Pug.Sd	611--1
41008	6/12	C&R	BOATS: issue of 33(cutter 745 to Pug. Sd for BOSTON. #809 from Pug. Sd to Galveston	611--1
42854	6/28	Pug.Sd 2406	Repairs to jacking engine. Y Enc with 41987-212-8. 7/11. R B 7-12 a'ppd To -- Appd. See 41987-212-8. 7/12.	
			1912	
82407	11/12	C&R	& CHATTANOOGA: voice tubes, gives number and location of mouth pieces.	154--4
			1913	
98969	6/7	C&R	Have or dered 30' sailing launch altered for 1423.	611--2
02551	7-23	CO	Reqt. spare engine be assigned to steam cutter. Y To---via Pug Sd and Pac.Res.Flt.addition to allowance.7/30. Fwd Pug.Sd.appd.7/30. R B 8-18 Pug.Sd.issued engine 695 8-12	

GEORGE WASHINGTON.

N.S.E. Form 134.

GALVESTON 212--11

Number.	Date.	From or To—	Subject.	
104791	8/21	C.O.	Spare parts for sailing launch feed pump: reqt excess be allowed.	212--21
105740	9/16	M.Is.	Reqt auth. to install new engine in motor dory 1021 for	611--2
107150	9/27	M.Is.	Reports installation of engine 2121, motor dory 1021.	611--2
107308	10/7	C&R	21' motor dory 1021 ordered issued to from M.Is. engine 2121.	611--2
102503	7/29	Pug. Sd	Reqt auth. to install BB engine 2087 for 1423	611--2
			1914	
125969	5/28	To GALVESTON	Log does not list motor dory 1021 and G-2 eng 810; asks if on board	611-1
140642	11/28	To GALVESTON	Discrepance in boats and engines reported in steam log	611-1
146754	2-9	To Olongapo.	After deck winch; repairs to armature of; under cog C&R; cancel charges under SE. Y	

NB—0120

[OVER.]

1913

GALVESTON: CONDENSERS

Number.	Date.	From or To—	Subject.	
93801	3-22	CO	Reqt. permission to dis-assemble main for repacking,etc.Y	
102551 VOID	7-27	CO	Reqt. spare engine be assigned for	
106825	9-25	CO	Aux. condenser; reports on condition of. Y	
113145	12/11	C.O.	Reports on defects in ships condensers, etc	212--8
			1914	
122079	12/5	CO	Alterations; additional distiller, etc.	212-8
			1915	
167414	8/19	CO	Retiring commanding officer reqt action on distiller retubing	212-8
			1922	
643117	9/29	To CO	Fwds allowance list Ya	

N.S.E. Form 134.
212-12

GALVESTON CONDENSERS 1922

Number.	Date.	From or To—	Subject.	
654501	12/16	Spec Service Squad.	Copy of letter to GALVESTON rel to utilizing exhaust steam for operation of evaporators D	

NB—0120 [OVER.]

212 - 13
GALVESTON HEAT VENT REFRIG SYSTEM 1921 2

Number.	Date.	From or To—	Subject.	
601054	12/9	CO	Request repair leaky coil in #2 ice machine.	L

4—3381

Number.	Date.	From or To—	Subject.	

GALVESTON: HEAT. VENT: REFRIG. SYSTEMS.

Number.	Date.	From or To—		Subject.	
43605	6/19 7/13	Pug.Sd C&R	2234 1805-E.116	Alterations in cold storage room. Y Ret.Puget,.Reqst estimates for rearrgt of piping. 7/22. R.B.8.28 a'pnd Reqt. return. 8/22 C&R Ret C&R.Noted.8/29. To C&R.Papers returned the 29th. 8/30.	
55619	12/1 12/9	Pug.Sd. C&R	4311 18085-E.124	Re-locate a steam radiator due to installing tank for storage of kerosene.Y Ret C&R-Notes auth.12/11.	
				1912	
				1913	
90927	2-18	CO		Ice machine; reports bed plate cracked.Y Fwd Pug.Sd.2/24.	
102771	8-1	Pug.Sd	T	Reqt. tel authority to mfg and install re-cooler ice machine Y (T)to---must not interfere with departure of ship on date fixed.8/2.	
103066	7-31	CO		Ice plant;reqt. re-cooler be mfg. Y Fwd Pug.Sd.Mfr was authorized by telegram Aug.2d.8/9	
				1914	
122079	12/5	CO		Alterations, 2-ton ice machine, etc.	212-8

N.S.E. Form 134.

GALVESTON: HEAT:VENT: REFRIG. 212-13 1916

Number.	Date.	From or To—	Subject.
186792 VOID	5-1	Dept	Report of board investigation damage to centre propeller U
186791	5-4	C&R	Asks type of refrigerating machine.D To--Equipped with 1-ton dense air ice machine. 5/6
209389	9-9	CO	Reqt 2 ton Allen ice machine in lieu of one ton now installed.Y To Norf--Directs ship 1-ton ice machine to Cavite for. 12/28 To S&A--Reqt instrns be issued to ship to ~~Cavite~~ Norf to ship ice machine to Cavite for. 1/8
209389	9-9	CO	Reqt S&A ice machine has been loaded on PROTEUS for transportation to Cavite 1/15 Fwd Dept--Recommendations. 1/17 RB 2-3 To Asiatic Flt--Auth add'l 1-ton ice mach.2/5
279113	2-1	CO	Replace alterations to Ice Mach. Y. To Chasn- Alterations authorized. 2-11 & CO
380056	12-27	Phone Supply Officer	Reqts for appvl of spare parts for ice machine. Bu informed would appve. R
439113	4;16 5;1 6;26	//HB Roelker Fwds bill covering S&A CO	material delivered to vessel for repairs and spare parts for Allen dense air ice machine.D&K ~~Fwd S&A-recommend payment be made.8;25~~

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
644590	9/28 9/29	CO Spec Ser Sqn	Request disposition of one star Board propeller Y To CO- gives disposition of propeller 10/18	
617707	10/16	To Boston	GALVESTON Propeller and shaft ;examination of requested Dt Y	138-14
GALVESTON	Req 1-23	YM 12/6 To Comdr Spec. Svc Squads- CLEVELAND	Propeller blades- disappvd cc CO YM	
653551	~~12/11~~ ~~12/13~~	CO Boston	Rqsts authority to turn in at Boston spare propeller blades Y To CO- authd cc Boston 12/21	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

GALVESTON: PROPELLERS

Number.	Date.	From or To—	Subject.	
570888	6;21	Boston T	Reqt drwgs showing existing shafts.Y To Boston Fwds Vandyke 6/24	
577826	7;27	Inspr FR VOID	Recommends no further shipment	
577824	7;26	Boston	Corroded propeller shafts submits report covering with photographs.Y	
618341	4/12 4/12	CO Boston	Request vessel be docked for rewooding strut bearings Y	
627216	6/7	Boston	Propeller report Y To Boston-- Gives Instrns rel propeller 6/14 Boston 7/5 D	
3 637623	8/15	Special Serv.Sqd. (T)	Vessel lost port propeller and tail. Y To S&A- Reqst shipment of Propeller from Brook to CO 956 8/25 To S&A Reqst shipment of blades from NY to Co 957 8/25 RB 9/30 To Spec Svc Squad (T)- status of shipment 8/25 RB 9/30.	

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GALVESTON No. 134 PROPELLERS 1922

Number.	Date.	From or To—	Subject.
638490	8/19	Spec.Serv.Sqd. Copy	Report on propeller damage. Y
639431	8/25	Dept T	To Spec Service Squadron stating propeller shaft shipped via SHAUMONT Y Dept- Copy of telegram to Cmdr.Spec.Serv. Sqd. extending availability of vessel for repairs. 8/30 Y
639957	8/30	C&R	Copy of telegram to 15th Dist authg docking vessel at Balboa for propeller repairs Y
640149	9/5	To Brooklyn Telephone Call	Rel to propellers for GALVESTON. Id cc Operns

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[OVER.]

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1918

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GALVESTON: PROPELLER: SHAFTING

Number.	Date.	From or To—	Subject.	
297479	4-11	Norf	Strut bushing - reports boring to ~~car~~ correct allignment. Y	
298901	4-22	To Norf	Propeller tap bolts - Lists information to be desires to be informed of. D Norfolk 5-2 Galveston Y To- Fwds print. 5-10	
300482	4-22	Norf	Propeller tap bolts - fwds sketch showing changes. D	
308116	5-21	To Norf. Re spare propeller blades, and rqsts comments on same, Y	Norf - 6-1 To C O, re spare propeller blades, 6-6 C	RB 6-27
322623	7-3	To S&A	Rqst shipmt patterns from P Sd to Norf. Y To Pg Sd, Via S&A, Rqst inform re receipt of above, 8-3 R B 10-19 To Norf, Via Comdt, re shipt patterns, 10-19 Norf. Oct. 25 - material received Oct. 11	

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N.S.E. Form 134.

GALVESTON PROPS AND SHAFTING

Number.	Date.	From or To—	Subject.
SE 1703	7/14	To S&A	Recommends award to Erie Forge Co R
439984	8;7 8;14 Inspr Chester-9;5	American Steel Fdys Norf	Request disposition of high pressure piston patterns on hand for.Y Fwd Inspr Chester. 8-19 RB-8;26 To Amer Stl Co-Directs Inspr Chester ship pattern to Boston if property of Navy-8;27 To Inspr Chester-8;27
440188	7-31	CO	Submits report covg damaged port propeller. Y
		1920	
467053	1-5	To CO	Advise if have on board spare propellers listed. Y RB-3;12
		1921	
541495	1/21	To CO	Ask to confirm or corr records as listed Y CO-1;24-Y
558482	4;1	CO BLACKHAWK	Quarter ending 3;31.Y
558465	4;15	Boston	Ask location and number of spare propeller shaft and blades available for instaln on.Y To Boston Gives Inform 4/22 Boston-proposed alterns to propeller shaft-fwds prints.D&Y To Boston (T) Approved 6/28 To Boston approved 7/12

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[OVER.]

1912

GALVESTON: PROPELLER: SHAFTING:

Number.	Date.	From or To—		Subject.
62339	2-26	Pug.Sd	1202	Spare propeller blades; complete set of 6 are being manufactured; set for port in store; reqt. instructions re disposit on.Y
62340	2-24	Pug.Sd	1203	Reports re disposition of, spare propeller blades should have been surveyed lost blades/Y
63349	3-7	Pug.Sd	1436	Manf.6 propellers; just begun. Y
72764	6-29	Pug.Sd	3890	Reports status of propeller mfg.Y
75062	8/1	Pug.Sd.	4517	Propeller blades; reports 90% completed. Y
77571	9-3	Pug.Sd		Propeller blades; reports status of manufacture.Y
				1913
91425	3/1	To Pug.Sd.		& CHATTANOOGA: Propeller shafts: forgings in stock. Asks if of uniform diameter throughout.Y Pug.Sd. suitable for, but not for CHATTANOOGA. 3-18

N.S.E. Form 134.

GALVESTON: PROPELLER: SHAFTING. 212---14

Number.	Date.	From or To—	Subject.	
97318	5/14	To Norf.	Shafting coupling bolts, pitch circle; asks relative to diameter.D RB 6-2	
106088	~~xxxx~~	Pug.Sd 1470	Reports issue of port and stud blades for prppellers. Y	
148387	2-27	To Dept.	For cable to Asistic Flt--Refer steam log reporting shaft tail casing lost; replace immediately if not already done. Y	
			1915	
151909	3/9	CO	States entry in log re lost tail shaft casing in error; joints are loose, fwds sketch.Y&M To Via Asiatic Flt--Reqt loose casings be removed. 4/17	
			1916	
198155	7-29	CO	Propeller shafts; fwds prints and reports on condition of in connection with correction; also photogtaphs of broken shaft.Y	
199715	8-8	Olongapo	Propeller shafting; casings; reports on; have replaced tail shaft and fwds photos of;broken after removal; prints called for hollow shaft; shaft actually solid.Y To—Appvs action in renewing starboard propeller ~~shaft~~.10/14	
			1917	
247279	9/4	To Cramps C o	CHATTANOOGA CLEVELAND DENVER DES MOINES GALVESTON & TACOMA. Composite propeller. Reqt ests covering manuf.	697

NB—0120

[OVER.]

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GALVESTON; PROPELLERS & SHAFTING;

FILE No.		From or To— (Dated)	Subject.
29116	1/16	Pug.Sd.	St tes forging for stbd propeller shaft on hand is hollow; asks if it shall be used or new solid shaft provided. To -- Solidto be obtained; hollow shaft to be retained as spare 1/17
30405	1/24	Pug.Sd 307-E.11	Relative to propeller shaft and tail forgings; notes solid propeller shaft forgings will be purchased; will store hollow shaft as spare.Y To -- 4 forgings have been required for 2/2
30778	1/27 2/1	Bethlehem SteelCo S&A 114508	Propeller shaft and stern tube shaft forging; reqt. extension of time. S Ret S&A Rec appr 2/4.
Reqn 182	2/23	To So.Beth.	Shafting; Print 17-D-0241 fwd.
51832	10/19	Pug.Sd 1965	Recommends 3 spare propeller blades be mfgd.Y To---Mfr 3 spare blades auth.10/26.
54287	11/17	Pug.Sd. 4199	Repairs to strut and stern tube bearings.Y
55555	12/2	Pug.Sd. 1965	Spare blades; recommends manufacture of complete set; submits estimate.Y To--Appd.12/9.
58721	1/15	To Puget Sd.	1912 & CHATTANOOGA: Job Orders 3D179/111 and 3D197/113; request information as to cause of difference in cost of material.Y RR 2-17

NB—0120

N.S.E. Form 134.

212- 15 GALVESTON: PIPING SYSTEMS

Number.	Date.	From or To—	Subject.	
365805	11;3	CO	Install connection pipe between #1 and 2 flushing pumps Y	
388202	1;22 1;22	CO At. Cruiser	Req. mfgr. new section of steam line to ships wheel	
582982	8;26	Dept	Copy of telegram to Norf making vessel available for repairs to discharge pipe from Booster pump.Y	

NB—0120

[OVER.]

GALVESTON: PIPING SYSTEMS.

Number.	Date.	From or To—	Subject.	
			1914	
122079	12/5	CO	Alterations, install direct exhaust steam piping from gen sets to aux condenser	212-8
			1915	
174850	11/19 11/30	CO Asiatic Flt	Repair main steam line. Y	
			1917	
217504	1-23	CO	Install cross connection between auxy exhaust line and pump exhaust line in each eng room. Y To Asiatic Flt--Appvs install. 3/21 Olongapo-9/5-fwds prints. Y	
			1918	
239750	5/25 7/5	CO Alongo	Extend make up feed suction system Y Fwd C&R--7/23 C&R - Authorizes incidental C&R work Y	
			1918	
361256	10/21 10/22	CO Atl Cruiser	Request renew independent bilge section pipe fire and bilge pump - Y	
365805	11-8		Fwd NY, Y back Nov. 14	

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GALVESTON: PIPING SYSTEMS:

1

FILE No.		From or To— (Dated)		Subject.	
36236	4/8	Pug.Sd	1277	Recommends reconsideration and approval of installation of grease extractor in exhaust piping on discharge side of each main feed pump, = exhaust line from condensers to gen. sets.Y Fwd Dept via C&R Rec appr.4/18 RB 4-26 app'd To -- apprd 4/26.	
52671	10/27	Pug Sd	400	Additional repairs to main and aux. steam and exh. line. Y Fwd Dept.rec appr.11/17. RB 11-18 a'ppd To---Appd.11/20.	
55619	12/1 12/9	Pug.Sd. C&R	4311 18085-E.124 VOID.	Re-locate a steam radiator due to installing tank for storage of kerosene.Y	212--13
56430	12/14	Pug.Sd.	4445	Fire extinguisher piping to boiler furnaces; submits estimate for repairs to. Understands Bureau's policy is to discontinue installation of fire extinguisher piping.Y&D Fwd Dept-Rec.removal.12/20. RB 12-22 a'ppd To--Appd.12/22.	
				1912	
61281	2-10	Pug.Sd	741	Make connections to supply live steam for disinfecting fresh water system. Y C&R recst ret.3/20. Ret -- noted.3-29	
				1913	
103761	8-15 8-16	Pug.Sd C&R	T 27644-E.14	Incidental work in connection with bath rooms.Y Ret C&R.8/23	
104123	7-29 8-15 8-21	PugSd Pug.Sd C&R		Piping work in con ection with bath rooms.Y Ret C&R. 8/23	

NB—0120

GALVESTON: MACHINE TOOLS: 1912

Number.	Date.	From or To—	Subject.	
61286	2-9	Pug.Sd 788	Wrenches; recommends that they be installed in suitable racks in tool room in lieu of being secured on blhds near engine.W	
61290	2-9	Pug.Sd 795	Machine shop motor; repairs to. Y-L	
			1913	
102465	7-22	CO	Machine shop motor; make new pinion. Y Fwd Pug.Sd.instructions.7/29.	
279114	1-28	CO	Install new fourteen inch engine laths. Y. To Chasn- Quotes reqn of March 1st to S&A: 3-2 NY - 3-8	
293071			S&A - Lathe for GALVESTON has not yet been recd - will be shipped by express - 4/5 - Y	
1844 N	4/20	To So Norf	Asks info by wire wherther one 14" Lathe for Galvaston recd R-S	629

N. S. E. Form 134.

GALVESTON: MACHINE TOOLS. 212 - 18

Number.	Date.	From or To—	Subject.	
372352	11/26 11/29 11;29	CO NY NY	Request old 24 inch lathe be renewed at once-Y To CO(T),can ship above from Phila,12-6 CO - 3/9	
373372	12/7 12;23	Gal. S&A	Tele- expedite lathe. Rqsts authority to turn in old. To CO- Reqts take necessary steps to secure lathe promptly. 12-20 Copy to Phila & Brook. To CO- Inform if material has been recd. 2-27	212-8

NB—0120

[OVER.]

GALVESTON: PUMPS

1912

Number.	Date.	From or To—	Subject.	
61442	2-12	Pug.Sd 919	Repairs to manifolds of hot well and fire & bilge pumps. Y	
			1913	
113145	12/11	C.O.	Reports on defects in ship, pumps, etc	212--8
			1914	
122079	12/5	CO	Alterations; pump for ash ejector, etc.	212-8
		1916		
183838	1/17 2/19	CO Asiatic Flt	Mnf two casings for crosshead main feed pump.Y	

N. S. E. Form 134.

212-19

Number.	Date.	From or To—	Subject.	
640026	8/31	Boston	Request print showing steam cylinder for main & aux feed pump D To Comdt Boston- Fwds prints 9/6 Ds	
640312	8/30	Special Serv.Sqd. (T)	Request shipt of main feed pump for instln on by shipt force. Y	

NB—0120

[OVER.]

GALVESTON: VALVES:

1912

Number.	Date.	From or To—	Subject.	
61007	2-3	Pug.Sd 687	Valve diagrams; fwds vandykes.D	
			1913	
105103	9-3	CO	States reducing valve on main steam lines have had all interior removed; asks if safe to use full boiler pressure without use of same.D. TO -- reduce pressure on HP steam chest valve to 250# 9-9	
113145	12/11	C.O.	Reports on defects, valves, etc.	212--8
			1918	
298063	4/13	Norf	Safety valve operating gear - request plan - D	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
648891	10/10	CO	Rsts Klaxon horns for motor boats be added to allowance list Y To CO- Disappvd 11/16	

Number.	Date.	From or To—	Subject.	

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GALVESTON: ALLOWANCES: 1919

Number.	Date.	From or To--	Subject.
454650	10-30	Fwd S&A	Additional money allotment auth. Y
462911	12-13	To CO	Fwds appvd allow lists. Y
463641	12-16	European Forces (copy)	Request certain material urgently needed;Y
517832	9;8	CO	Request increase in quarterly allotment.Y Fwd CO 9-21
578696	7;30	CO	Annual inventory completed.Y
		1922	
619320	4/13	CO	Request auth to turn in fire control telephones in excess of allowance. 4 L To CO Grants authority cc Boston 4/26
631202	6/30	CO	Annaul inventory Y

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N.S.-22 Form 134.

GALVESTON ALLOWANCES 1922

Number.	Date.	From or To—	Subject.	
630901	7/7	To USS GALVESTON	Change in allowance ~~cov Eng Elec Allowance rel to Motion Picture machine on~~ .	LY
630903	7/7	To USS GALVESTON	Revision of Eng Elec Allowance on	LY
630902	7/8	To CO	Gives change in allowance cc EO SO yard- EO SO Vessel LY To CO- Reqsts inform rel omission 11/16 CO GALVESTON 11/24 LY To CO- Gives change in allow cc EO SO yard- EO SO Mgr Boston yard 12/6	
641062	9/13	To CO	Lubricating oil Expenditures, Eng., Fiscal year 1922 Reqsts inform Ya CO GALVESTON- Report on lubricating oil expenditures. 9/29. Y	

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[OVER.]

GALVESTON: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
184825	3/10	CO	Fwds allowance list·R To--Returns apprvd with modi· 4/22 RB 9/1 CO fwd Mar 14, 5-16	
169007	4-15	To CO.	Change in allowance. R	589
186413	4-22	Pug Sd	Lists stores on hand for.R To S&A--Reqt shipment coils for evaporator and propeller blade patterns to Olongapo for. 5/3 To--Retain coils and patterns for propeller blades in store· 5/5	
209392	10-21	CO	Submits report unusual expenditures; reqt increase in money allotment.R Fwd S&A--12/23	
267937	12-19	To CO	Revision of Elec Allow ·Fwds blank copy. L-R. To- When may expect reply to abve. 3-19	
276650	12-32	CO	Requests authority to turn in certian boiler parts and crank shaft. Y. Fwd Norfl 1-29--RB--2/3	

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N.S.E. Form 134.

GALVESTON: ALLOWANCES/ 212 -- 21

Number.	Date.	From or To—	Subject.
285362	2-19	C O	Request additional money allotment. R To S&A- Recommens additinal money allotment of $430. 3-2
294276	3/28	CO	Elec allowance - revised copy - fwds - RA To- Returns appved as corrected in red. 4-6
314705	6-8	CO Copy	Request additional allotment of $750. 00 to cover additional expenditures. R Fwd S&A 6-12
323588	7-4	CO	Request title C allotment be increased $1703.93 to cover cost of supplies still unpaid for. Fwd S&A 7-8
378551	12;16	CO	Req. quarterly allowance be increased $150.00 list matL nec. RA Fwd S&A- 12-23
418279	5-17	To CO	Fwds blank allow for revision. Ya
4438233	8;8	European Forces	copy 4573 Request additions to quarterly alot?Y Fwd S&A. 8-9

NB—0120

[OVER.]

GALVESTON: ALLOWANCES. 1913

Number.	Date.	From or To—	Subject.	
91165	2/19	CO	Allowance list; requests addition of air hose.R To Pug. Sd via S&A add 2/27	
94916	3-27	CO	Reqt. changesin spares for aux.engines, ice machines, pumps,etc. R	
95024	4-4	CO	Reqt. change in nuts on allowance.R To-P.Sd- add 4/18	
93915	4/23	To Puget Sound	Additions	147-21
96610	5/1	CO	Requests that expenditures for repacking main condensers be not charged against quarterly allotment.R Fwd Dept. recom 5/8 RB 5-16	
97975	5-19	Pug.Sd 10318	Reqt. plans for manufacturing spare parts.D To---fwds prints·5/28.	
102552	7-23	CO	Reqt. addition of hand drills, portables for fire rooms and flash lights.R. To Pac.Res.Flt.additions.8/2	
102551	7/30	To CO via Pug.Sd and Pac.Res.Fleet	Add steam cutter engine, type G-2, (No.695 assigned) to allowance.	212-11
102551	7-23	CO	Reqt. spare engine be assigned	212-11

N.S.E. Form 134.

GALVESTON: ALLOWA CES: 212-21

Number.	Date.	From or To—	Subject.	
103818	8-7	CO	Reqt. addition of shaper tools, cooling coil for ice machine and clock.R To Pug.Sd.additions.8/19	
104222	8-14 8-21	CO S&A	Reqt. increase in money allotment.R Fwd Dept. via Ord, Nav. Bu. concurs 9/6 Ret S&A VIA Ord & C&R 9-17	RB 9-16
104791	8-21	CO	Spare parts for sailing launch feed pump; reqt. excess be allowed. R	
105618	9-9	CO	Reqt. additional clock, file case, leyden jars,etc Fwd Nav. via C&R- 9/19 To-C.O. via Pug.Sd- 9/20	
108437	10-3 10-17	CO Dept	Reports shortages in.R Fwd Ord.10/24	
			1915	
154977	3-25 4-6	CO Asiatic Flt	Beam scale; reqt be added to allowance; fwds repair papers showing present scale too light. R To CO-- Add to. 5/15 RB 7/26	
			1916	
181869	3-16	S&A	Reports overexpenditure money allotment.R Fwd S&A--Reqt copy of reqns covering.3/18 To Asiatic Flt--Comments on. 3/24	RB 3/22 RB 6/26
184219	3-9	CO	Request authority to turn in engineer lamps, drills,et c.R To Via Pug Sd-- Appvs. 4/10	

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[OVER.]

GALVESTON: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
41633	6/21	To Puget, S&A, C.O.	Motor generator and spares added.R	
52664	10/30	Pug.Sd 4017	SE and Equipt. list; fwds copy and reqt. telegraphic approval. R (T)to---Appd.11/4.	
56016	12/7	Pug.Sd. 4375	Requests item covering handhole plates for boilers be changed.R To via S&A-Directs amendment.12/15.	
58796	1/6	Pug.Sd 2229	States books called for are not on hand. R To---Should be purchased.2/2.	
58852	1/11	Pug.Sd 122	CHATTANOOGA: recommends additional fire control telephones.R To---via S&A. Change directed.1/29.	
59421	1/19	Pug.Sd 303	Recommends addition of salvo contact makers.R	
59420	1/18	Pug.Sd 294	& CHATTANOOGA: Recommends safety lamps be eliminated from.R.I. (2)to---via S&A.Omitted; salvo contact makers added.1/30.	
59773	1/22	Pug.Sd 335	Recommends changes in telephone spare parts.L To---Changes; instructions.2/2.To S&A. Additions made.2/2	
59847	1/23	Pug.Sd.	Recst decision as to what gages are to be placed on allowance.R	658

1912

N.S.E. Form 134.

GALVESTON: ALLOWANCES: 212-21

Number.	Date.	From or To—	Subject.	
61677	2-15	Pug.Sd 987	Reqt. tally board be eliminated. R To---via S&A. Directs omit.2/21.	
61725	2-16	Pug.Sd	Reqt. additional pressure gages. R To---via S&A.Addition directed.2/23.	
61286	2/24	To Pug.Sd via S&A.	Wrenches added.R	
62523	2-26	Pug.Sd 1230	Recommends changes in gaskets.R Ret---via S&A.appd.3/4.	
62580	2-19	Pug.Sd	Recommends changes in small tools.K To---via S&A. Certain reamers omitted.3/6.	
74121	7/19	Pug.Sd.	& CHATTANOOGA: Allowance books; eliminate disconnectors.R To--via S&A omit 7/27	
76020	8/14	Pug.Sd. 4832	& CHATTANOOGA; Allowance; requests boiler ferrules be eliminated.R	
76077	8/13	Pug.Sd. 4775	Allowance; recommends wrenches be changed.R To Pd. S. via S&A amend 8/22	

1913

NB—0120

[OVER.]

GALVESTON: WHISTLES:

1912

Number.	Date.	From or To—	Subject.
79389	9-28	Pug Sd	Reqt. authority to purchase automatic whistle control.Y To---Bu will prepare reqn for.10/12. Pug.Sd. asks status of del.3-14 To---Reqn will be prepared for.3/24.
			1913
96082	4-28 4-29	Signal & Control Co. Washn PO	Automatic elec. whistle operator: reqt. dimensions steam pipes. D To Co·gives data.5/3. Ret Washn PO.5/3.
97509	5-15	Signal & Control Co.	Elec. whistle operator; fwds vandykes.L To Pug.Sd.Fwds set of Vandykes.5/24.
			1919
382712	1;2 1;4	CO At Cruiser	Req Install new rotering element for steam Siren.
383285	1/9	To NY	Author to furnish GALVESTON with new siren --
			1915

NB—0120

N.S.E. Form 134.

1912

Number.	Date.	From or To—	Subject.	

1918

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GALVESTON; AIR COMPRESSORS;

FILE No.	From or To— (Dated)	Subject.	
28479 12/12 1/6	Pug.Sd. 4477 E.10 C&R 18085 E.107	for gas ejecting systems; fwds prints, etc Ref Ord. Arrgt satis to SE 1/14.	
		1912	
		1913	
	1922		
632748 6/30 7/14	C O Ordn ,	Report on condition of Westinghouse air compressor,	

NB—0120

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GALVESTON: GAGES.

1914

Number.	Date.	From or To—	Subject.	
119890	1-5 2-4 3-13	CO Asiatic Flt C&R	Reqt thermometer be installed outside cold storage room. Y Fwd NY VIA C&R & S&A--shipt requested 4/27 rb 88	

1915

172939	12-1	CO	Gages not yet standardized by ships force. Y Fwd Dept-- Noted. 12/4	
379332	12-20	Phone Supply Officer.	Reqted appvl of reqn for four gauges for lubrication of ship. Appvd. by Bu. R	

NB—0120

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

GALVESTON: RECORD OF WORK.

Number.	Date.	From or To—	Subject.
454650	9/29 10/1	CO Naval Officer, Turkey	Reqst increase in money allotment - Y
470535	1;1	Norf	1920 1920 3-12-18 to 3-11-19.Y
479971	3;1	CO	Quarter ending Decmber 31st.Y
500689	6;1	CO	~~Quarter ending March 31st.Y~~
538904	1;1	CO	Quarter ending Dec 31st.Y
576941	7;1	CO	Quarter ending June 30th.Y
590947	10/1	CO	Quarter ending 9/30 Y
607611	1/1	1922 CO	Quarter ending 12/31. Y
618864	4/1	CO	Quarter ending 3/31. Y

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212-25

1922

Number.	Date.	From or To—	Subject.	
631829	7/1	CO	Quarter ending 6/30 Y	
634757	7/25	Boston	3-28-22 to 5-25-22. Y	
646104	9/30	CO	Quarterly report of work afloat Y	

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1

GALVESTON: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.
102093	7-17	Pug.Sd	~~Meh 10 to 7-5. Y~~
107916	10/8	Pug.Sd.	Mar.4 to 19.Y
112351	12-5	M.Is	No period given.Y
		1914	
119635	?	Olongapo	Dec 20 to Dec 26.Y
126408	None	do.	Jan.5 to Feb.7 Y
		1915	
149193	1-26	Olongapo	Nov 5 to Dec 7
180059	1-1	Cavite	~~Ending December 31~~
		1917	
244556	--	CO	Quarter ending June 30th Y
250680	8/1	Olongapo	May 21 to July 8.
277118	--	Olongopo	Oct 17th to Dec 5th - 1917 - Y

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N.S.E. Form 134.

GALVESTON: RECORD OF WORK 212 - 25

Number.	Date.	From or To—	Subject.
291885	2-21	Olongapo	Oct 17th to Dec 5th. Y
307339	5/10	Norf	3/25 to 5/12 - Y
304884	5-1	CO	Quarter ending December 31st.
359694	10;15	Norf	Mar. 25 to May 12
			1919
383285	1/6/19	CO	Request renewal of damaged siren-Y
387520	—	CO	Quarter ending 12/31 - Y
407224	3;20	Norf	5-12-18 t9 3-11-19 Y
450241	10-1	CO BRIDGEPORT	Quarter ending 6/30. Y

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[OVER.]

212-27
GALVESTON: SURVEYS 1921 2

Number.	Date.	From or To—		Subject.	
578920	8/3	Boston	3/22	Fans Y	
581520	8/18	Comdt	4/22	Irons Y	
581519	8/18	Boston	2/22	Lanterns Y	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

212-27

N.S.E. Form 134.

GALVESTON: SURVEYS 1921

Number.	Date.	From or To—	Subject.
550567	3/8	Boston 13	Batteries, Transm- reciver/ Y
554711	3/30	Boston 16/21	Batteries Y
5545049	3;30	CO 15;21	Various material.Y CO CHESTER-cannot account for disapperance of items on survey.3;28-L Fwd Dept 4/5 RB-4;11-Y
558133	4/15	Comdt 17/21	Batteries Y
558949	4/19	Comdt 14/21	Gauge, Manifold, Iron soldering Y
561837	5/3	Comdt 18/21	Forge Y
570829	6/18	Boston m 19/21	Engine Y Fwd Boston 6/28 RB 7/22 To Comdt Boson 7/28 Boston-8;16-Y
575933	7/15	Boston 20/21	Fans, Y
578713	8/2	Boston 1-22	Telephones Y

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[OVER.]

212-27

GALVESTON: SURVEYS:

Number.	Date.	From or To—		Subject.	
499464	9;30	CO	10/20	Gauge testing outfit.Y	
516472	8/11	CO	1	Transmitting condensers Y	
516473	9/10	CO	2/21	Chuck lathe	Y
518282	8/22	CO	3/21	Header boiler Y Fwd Dept eq Boston 9-24 RD-3;30-Y Navgn-11;15-Y	
518291	9/16	CO	4/21	Fan, lanterns, lights, portables, Y	
518488	9-24	To Bd I&S		Fwds listed corr also weekly report of work at Boston for week ending 8/21/20 Y	
521159	9;22	CO	8;21	Lamps.Y	
521164	9;22	CO	6;21	Various material.Y Fwd Dept 10-7 RB-10;13-Y	
524516	9;29	CO	7/21	Various items Y	
536822	12-22	CO	9-21	Tools, hose, etc	
537099	12/27	Bost	11-21	GG Engine. To Boston Apvd 1-4/21	

4—3381

GLACIER: MOVEMENTS:

Number.	Date.	From or To—	Subject.
		1913	
105696	9-13	Dept	Will carry stores to Armored cruisers in Mexican waters.Y
		1914	
114683	1-9	Pac Flt	Reports movements of.Y
		1915	
146571	2-1	CO	Recd be excused from submitting performance curves. M To--Instructions. 2/9
		1917	
244889	7/10	CO	States no full power trial was held M Fwd Office of Gunnery Exercises.8/22
		1919	
431185	7/8	CO	No performance curve has been obtainable for year ending 6/30. M.
		1920	
504742	6;3	CO	Recommends ship be given standardization runs.M

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Number.	Date.	From or To—	Subject.	

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[OVER.]

GLACIER: ELEC. PLANT.

1912

Number.	Date.	From or To—	Subject.	
85218	11-2 12-6	CO M.Is 11343	Repairs to light and call bell wiring, and night signal set. L Fwd Dept.items 1, 3, 4 and 5 not red for appr.12/17. RB 12-21 Disapp. To M.Is.appd.12/23.	
			1913	
105533	9/12	C&R	Time required to repair defective insulation No.2 hold	216--8
			1916	
179552	2-11	M.Is	Repairs to misc elec circuits.L Retd--For further information. 2/24 RB 3/13 To-- Work authorized. 3/13 M.Is (T) requesr work be undertaken 5-2 To--(R) Authorized, 5/2	
205430	10-31	CO	Alterations; call bell from radio room to orderly; motor for ventilating system magazines; additional lights in store room.L Fwd C&R--11/20 RB 11-25 To M. Is.--Gives action on. 12/27	
301678	4/20	CO.	Alterations to general alarm gongs. Install man-over board lights and I. C. motor generators. To- Items 1 2 and 3 appvd. 4 Disappvd. 5-10	

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Number.	Date.	From or To—	Subject.	

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GLACIER: INTERIOR COMMUNICATION.

Number.	Date.	From or To—		Subject.
88165	1-10 1-21	Pug.Sd C&R	397 28185-E.6	Alterations; recommendation against additional voice tubes.L. Fwd Dept.1/21. RB 1-28 Ret C&R.1/23.
88566	2-1 1-16	CO M.Is.		Voice tube from chart house to steering compass and standard compass to flying bridge.L Fwd Dept.Rec appr.1/28.
90622	2-4 2-13	CO M.Is	1705	Reqt. inter-communicating sets between cabin and fwd bridge and certain offices.L Ret M.Is.for est and rec.2/20.
91601	2-14 2-25	CO M.Is	2127	Install telephone communication between cabin and fwd bridge and Capt. and Executive officers ooffices. L Fwd Dept.rec be postponed until next fiscal year.3/6. RB 3 c app'd To M.Is.appd.3/12.
92543	3-4 3-5	CO M.Is	2823	Furnish material for bell circuit between bridge and after compass. L
113713	12-20	M.Is		Engine order tel; change in dials. L
			1914	
121725	4-4	CO	T	Engine room telegraphs; reqt approval of repairs. Y
			1915	
163767	8/18	C&R		New 3" battery; fwds prints elec work.L Fwd C&R VSA ORD auth 8-20 TO M.Is (T) auth8-20

N. S. E. Form 134.

GLACIER: INT COM SYS. 216-4

Number.	Date.	From or To—	Subject.	
168065	10-12	C&R	Voice tube changes; recommended by Bd I&S. L Retd-- Rec appvl. 10/13	
			1917	
213135	2/1	Fwd C&R	Fire control install. Is under cog C&R.	L RB 2-7
~~254317~~	~~9/10~~	~~CO~~	~~Reports on status fire control installation~~ L Fwd C&R-10-20 R B 11/17	
416415	12-3	Ord.	Copy of letter to M I auth work in conn with removal of 5" guns.	L
			1920	
470321	1-13 1-19	C&R Ord	Submits recommendations covering estimates incident to material inspection. L Fwd C&R. 1-24 R B 1/31 To C&R- Gives detail recommendations. copy to CO. 2-6	

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GLACIER: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—		Subject.
47993	7/15 8/26	C.O. M.Is	8280	Change wiring of searchlights and binnacles on account of change in location.L. Fwd C&R appd.9/18 RB 10-3 Ret M.Is.Work auth.10/5.
48859	8/26 9/9	M.Is C&R	8280 6775-E.343	Installation of flying bridge, change location searchlight, and wiring for same.L Fwd Dept. recom. 9/21 RB 9-29 a'ppd Fwd C&R-10/3. To--Appd.10/3.
				1912
65746	4-1 4-2	CO M.Is	3256	Repair rheostat.L
				1913
87288	12/23 12/31	CO M.Is.	12110	Repairs to night signal set.L To M.Is.appd.1/14.
89291	1-9 1-27	CO M.Is	567	Renew rheostat leads of dynamo switchboard, calibrate voltmeters on same.L Fwd Dept.rec disappr.items 2 and 2.2/4 RB 2-7 To M.Is.disappd.2/8.
92277	3-1 3-5	CO M.Is	2722	Re-silver searchlight mirror.L
100793	6/5	CO		Alterations: request installation of additional lights.L Fwd M.Is.instructions.7/12. RB 10 2 Fwd Dept.recommends 10/3 RB 10 7 To M.Is.action appd.10/7

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GLACIER: LIGHT & POWER. 216-5

1914

Number.	Date.	From or To—	Subject.	
119501	2-19	CO	Drawing of dynamo piston rings; reqt be changed from spring steel to cast iron.L To--appd. 3/12.	
			1917	
213124	1-11	CO	Estimate for ~~system~~ install man overboard and breakdown lights.L To M.Is.--Est appvd. 2/6	
226947	4/28	CO	Reports receipt of signal search lights L	
2 392727	2;5 2;6	3rd dist. NY	Relocation of generators can be done without delaying vessel L To NY- Proposed relocation of generators disappvd. 2-21 copy to CO and material 3rd dist	
537855	12;29	Pac Train	Submits list of radio equipment transferred to GLACIER while that vessel will be flagship of train.W Sheet 6	216-6
543959	1;13	CO	Request two 16 kw generating sets be removed and two 25 kw sets installed.L To CO Disappvd cc C-I- C Pac Fleet 2/5/21	
555075	3;15 3;26	CO Pac Flt	Reqt run cable line to foremast.L To CO Disappvd cc C-I-c Pac Fleet 4/6	

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GLACIER: WIRELESS

1916

Number.	Date.	From or To—	Subject.
203062	10/20	To M.Is.	Ask whether whether Lowenstein quenched spark gap is on board. W M.Is Telefunken gap mfgd in lieu Lowenstein 11-2
208390	12/5	M Is	Request additional receiver.W To--Gives action on. 12/18

1918

Number.	Date.	From or To—	Subject.
302103	5-1	To CO	Reqn #5. Reqt for audion disapprvd. W To S&A-Reqt shipt one long wave receiving set from Wash to CO. 4-30 To CO, Rqst inform re receipt of radio 8-19
341690	7/30 8/23	CO C&R	Request relocation of radio room - W Fwd C&R Via Ord, 9-10
337750	9-21	Puget Sd	Telegram request copy of letter of 8-19
421877	5-31 M IS--12-13	To S&A	Reqt shipt receivers, audion control box and amplifiers. from Wash to CO. W To CO- Lists radio apparatus reqted shippted Upon completion of installation reqtes turn in to store material listed. 6-3

N.S.E. Form 134.

216-6

Number.	Date.	From or To—	Subject.	
422885	5/30	U S Fleet	Instruc re issue of radio app on Brd SUPPLY-NEVADA and GLACIER. W	876
			1920	
464811	12;8	CO	Request radio set installed on be replaced by 5 kw set.W Fwd Operations. 12-30 RB-1;16 To M Is via C&R. 1-22 copy to CO & PAC FLT. and PAC TRAIN/ M IS-T-submits estimate covering installation of 5 kw ark-1;31 To M.I. (T) 2/2 C&R- copy of action to M IS-3;18 C&R-request comments on radio arrangement-4;9-W To Mare Island- Gives detail xx comment. copy to CO and C&R. 4-16 Fwd C&R. 4-16 C&R - copy of action to M Is - 4/19 - W To MI Reqst inform re report 5/24 M IS-6;2-W	
511859	8;16	CO	Request copies of monthly radio reports.W To San Pedro. fwds reports 8/19	
537855	1/8/21	To Pac Fleet	transfer of radio recr app ;action apvd W. Pac Trn-recommends all radio apparatus in question be retained on bd FREDERCK-4;11-W To Pac Fleet Appvd 4/27	
558518	4;11	CO	Request instal guard for wireless antenna xxxxxx rat tail.W To MI Gives inform cc C 4/20	

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GLACIER: WIRELESS.

✓ 1

Number.	Date.	From or To—	Subject.	
76021	8/5	CO	2-kw motor generator for radio to replace interrupter; requests.W To---None available; will be supplied at first opportunity.8/20.	
			1913	
87396	12-31	CO	Reqt. installation modern set.W To---No funds available. CALIFORNIA'S old set will be transferred.1/14.	
87686	12-31	CO	Dwscription.W.	
112272	12/9	To M.Is and S&A	Radio set removed from CALIFORNIA to be held for installation on GLACIER;request estimate for installation.	147-6
			1914	
117036	1/29	Mare Is.	Estimate for installation of radio set Ex-CALIFORNIA.W To---appd.2/7 Fwd C&R.2/7 RB 211	
			1915	
150455	3-18	CO	Condenser jars; reqt. W To Via M.Is--Authorizes installation of.	3/27
157034	5-28	M.Is	Estimate for installing Leyden jars. W	

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GLACIER: RADIO 216-6

1915

Number.	Date.	From or To—	Subject.	
170152	10-25	M.Is	Estimate for installing 500 cyl radio set ex CLEVELAND. Fwd Dept Via C&R--Have authorized:11/10 RB 4/8 To--(T) Installation radio set auth.11/10	
171056	11-12	M.Is T	Installation of K&C radio set will be postponed until next overhaul.W	
171361	11-16	To CO Via M.Is.	On installation of 4-K.W. radio set turn in old set at M.Is for further issue. W	
			1916	
176047	1-11	M.Is	Fwdsestimate and plans covering installation K&C 5 kw set.W Fwd C&R--Have appvd est for. 1/18 RB 1/25 To-- Appvs est. 1/18	
182485	3-17	M.Is	Submits estimate for installing 2 kw set; ex-SATURN W To M.Is--Retain apparatus.8/3 To--(T)Appvs estimate.4/5 To--Appvs installation. 4/6	
		To Pac Flt-- Fwds copy. 4/6 Fwd C&R--4/7 RB 4/13		
M Is reqt instrns re disposition 7/24				
182810	3/19	Pac Flt	Recommends new set proposed for GLACIER be assigned DENVER	184-6
183190	3-17	CO	States inadviseable to install 5 kw set unless larger generator is installed.W Fwd Dept Via C&R--Recommendations.4/7 RB 4/15	
199039	9-23	To CO.	Asks disposition of quenched spark gap. W CO 10-8	
201672	9-30	M.Is	Description radio set.W	

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1921

GLACIER: MACHY PLANT:

Number.	Date.	From or To—	Subject.	
549187	1;26	Pac Trn	Submits report of inspection.Y Fwd Operns via Med & Surgy 3-3	
556684	4;9	C&R	Copy of telegram to M IS authorizing docking for repairs to shaft and sea suction ballast pump.Y	
563368	5;7	M IS	Submits estimate covering repairs to main condenser and refrigerating machines.Y To M.I. 5-14	
593879	9;30	CO	Report on matl readiness.Y Fwd Operns via C&R 11/7	
599476	12;7	Dept	Instructions to Pac Flt relative to placing vessel out of commission as soon as possible.Y	
599472	12;7	Dept	Copy of letter to M IS directing appoint Board of Survey & Estimates on.Y	
600172	?	Y Division Memo	GLACIER will be placed out of commission and sold. Y	
599261	12/13	To CO	Removal and transfer of material gives instrns Y	774

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N.S.E. Form 134.

GLACIER MACHRY PLANT 1922

Number.	Date.	From or To—	Subject.	
607866	12/31 2/3	C O Ordn.	Report on material readiness. Y Fwd Operns- via C&R-2;28-Ys	
612650	3/6	MI Copy	Vessel decommissioned. Y	
613412	3/6	CO	Vessel placed out of commission.Y	
617853	3/21 4/5	MI C&R	Report of board of Survey and Estimates Fwds Operns 4/13 RB 5/8 Y Dept 4/17 Copy of action to M.I. Y Fwds Operns 5/16	Y
619314	4/16	Dept	Copy of letter to S&A directing sale of	Y
641675	8/17	S&A	Copy of letter to Barde Steel & Machry Co. expecting offer made for GLACIER and Submarines F-2-3 Y	705

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N.S.E. Form 134.

GLACIER: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
431620	7-9	Department	Copy of endorsement to Pacific Fleet stating no action will be taken on urgent repairs.	Y
436762	8;5	Dept	Instructions in connection with holding material inspection.Y To Bd I&S-fwds corres in connection with matl inspn.8125 Bd I&S-returns correspondence-9126	
443910	9;5	POTTS San Francisco	States material inspection completed.Y	
446495	9/18	Operations	Available M Is until 11/1 - JASON 12/1-A	
451053	10-?	Bd I&S	Report of matrl inspection held 9-5.	Y
452710	10-14	Mare Isl.	Submits report of estimates for work covd by matrl inspection. Fwd Operations. 10-24 R B 11-28 To - Work to be proceded with as outlined and appvd by Dept. copy to CO. 11-29 C&R-1;27 fwd Opr 1/31	Y

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[OVER.]

216-8:GLACIER:MACHY PLANT:

Number.	Date.	From or To—	Subject.	
459396	11;22	Pac Flt copy	Request vessel be made available at M IS for docking.A	
459771	11;24	Dept	Copy of telegram to Pac Flt making vessel available at M IS for authorized repairs.A Pac Fleet 11-26 (copy) Rqst action on report of material inspection- A Dept - copy of telegram to Pacific Flt directing proceed with repairs - 11/29	
463178	12;15	Pac Flt	Submits report of inspection with recommendations.Y Fwd Operations via C&R-Navgn. 1-7	
470321	1/13 1/19	C&R Ord	Submits recommendations covering estimates 216-4 incident to material insepction. L.	
476623	2;17	M IS copy	Vessel arrived.A	
496771	5/21 5/28	JAG C&R accidents	Subm report covering investigation of collision between Glacier and Army motor launch - LT. HARRY F CROSSBY. - Fwd Operations 6-1.	Y
517902	9;17	Pac Fleet	Necessary repairs will take until Nov.L.A	
538179	1;3	Pac Train	Comdr Train transferred flag from MINNEAPOLIS to GLACIER A	

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GLACIER: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
291428	3/21	Dept	Will be available for repairs at Norf about end of March - Y To Mare Island(T)-Trans immediately to Norf all outstanding orders and correspondence. 3-22	
301677	4/20	CO.	Repairs to piping evaporators, refrigerators, machines, engines, etc. Y.	
301498	4/23	CO	List of repairs to be made by ships force - Y	
301578	4/26	Dept	Copy of circular detaching GLACIER from Pacific Fleet and assigning to Naval overseas transportation service - A To- Inform if Norf is to be the temporary repair yd of this vessel. 4-30	
303447	5;3	Dept	Norfolk temporary repair yard. Y	
309711	5/20	C&R	Authorizes repair under its cognizance - D Fwd C&R, 5-24 RB 5-29 Fwd N Y 6-4 R B 6/21 Fwd NY 6-22 RB 7-10	

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N.S.E. Form 134.

1919

GLACIER: MACH PLANT

Number.	Date.	From or To—	Subject.	
384045	1;1 1;13	CO C&R	Submits report of matl. in readiness of ship for war Y To-Inform in detail length, condition and efficiency of voice tubes. L Fwd Operations via Ordnance. 1-18 RB 2;6;19 To- Reqts that wiring for the call bells be removed from inside the voice tubes. 2-15 copy to I.M. Ny	
410270	4/8	Dept	Ship detached from NOTS and assigned to U S fleet train - A	
410489	4;11	Dept	Available at NY at once nec. alterations incidental to ~~ss~~ fitting out Flt. Supply Ship A	
410513	4;10	3rd dist.	Confirms telephone conv. in connection with fitting vessel out as supply ship Y	
430761	6-26 7-5	Dept C & R	Fwds report of inspection. Y Fwd Operations via ~~L&S-D&A~~-Ordnance. 7-9	

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GLACIER: MACHY PLANT. 1916

Number.	Date.	From or To—	Subject.
154034	2-26 4-22	CO M.Is 22797	Repairs to pumps, main boilers, pipe lagging, donkey boiler, evaporator.Y To M.Is--Gives action on. 5/7
155346	5/17	Dept	May 22nd; date of completion.Y
157662	6-12	Dept	Ordered to M.Is Aug 1 for overhaul.Y
160389	7-13	Bd I&S	Rect repair papers.Y To--Fwds 7/13 Bd I&S returns papers 9/30
162453	8/3	Dept	Date of completion fixed Sept. 7th.Y
162544	8/2 8/3	CO T Dept	Insulation of refrigerating room very poor; retube main condenser, etc.Y Fwd Dept--Noted. 8/6
163564	8-10	CO	List of work to be done by ships force.Y
165063	8-2	Bd I&S	Report of material inspection.Y
166291-	9/18 9/18	MI (T) Dept	Reports on work performed; also YORKTOWN.Y Fwd Dept Via Ord -Noted. 9/21
166813	9/13	M.Is	Report of Bd. Survey & Estimate. Y Fwd Dept-- Recommendations./ 10/1 RB 10/8 To--Gives action on. 10/8
170579	11/6	Dept	Repair limit Nov. 15.Y

N.S.E. Form 134.

GLACIER: MACHY PLANT. 216-8

Number.	Date.	From or To—	Subject.	
171001	11-6	CO	List of work to be done by ships force.Y	
182557	3-13	CO	Report of new Commanding Officer.Y Fwd Dept Via C&R-Ord-S&A-M&S-Nav--Noted.3/24	
			1916	
186287	4-23	CO	List of work to be done by ships force.Y	
186335	4-28	Dept	Repair limit May 10.Y	
186355	4-24	Dept	Urgent repairs authorized M.Is.Y Fwd Dept--Noted. 5/1	
186857	5-4	Dept	Repair limit June 1	
201267	10-4	Dept	Directs material inspection. M.IS. To Bd of I&S--No corres in file re repairs requiring action. 10/7	
201735	10-10	Dept	Available for docking M.Is.	
207032	11-29	Bd I&S	Material inspection.Y	
			1917	
212220	1-22	Dept	Repair limit Feb 15.Y	
214369	1-8	M.Is	Report of board survey and estimates.Y Fwd Dept--2/15 RB 2-17	

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GLACIER: MACHY PLANT. 1913

Number.	Date.	From or To—		Subject.	
86622	12-12 12-24	CO M.Is	11911	Repair ice machines, feed pumps, rebabbitt crank brasses.Y To M.Is.appd.1/6.	
88824	11-29 1-21	CO M.Is	902	Install new flushing pump, repair slippers main engine, boiler gages, safety valves, indicator cocks, piston rings, discharge pipe,etc. Y	
88825	12-23 1-22	CO M.Is	903	Repair boiler stop valve, oil gages, relag steam and exhaust piping.Y	
88826	1-9 1-22	~~Mr.~~ CO M.Is	72	Repair sea valve and overhaul stern tube packing.Y	
88931	8-2 1-21	CO M.Is	926	Repairs to ~~ice~~ ice machine, pumps, main engines, piping and pressure gages. Y	
89166	2-1 1-22	CO M.Is	993	Repairs to piping, auxiliary condenser, evaporators, boilers,etc.Y. To M.Is.appd.2/3.	
89456	1-29	M.Is	1217	Incidental piping and elec. work in connection with Hull repairs.Y To---appd.2/6.	
91635	3/3	Dept.		Will provision shops in Central American and Mexican waters.	774

N.S.E. Form 134.

GLACIER: MACHY PLANT. 216-8

Number.	Date.	From or To—		Subject.	
92284	7-27 2-21 3-12	CO M.Is SC&R	2318	Fwds prints showing incidental changes to steam heating and elec. installation due to C&R alterations.D Fwd Dept.3/21. RB 3-24 Ret C&R.3/24	
102498	7-8	CO		Report of new CO.Y Fwd C&R.via Ord.7/30.	
104007	8-19	Dept		Available for repairs M.Is. Aug.22.Y	
104567	8-28	Dept	8473-237	Available for repairs M.Is. until Oct.15; Y	
104568	8-21	CO		Report of new CO. Y Fwd Dept. via S&A & C&R 9/2	
105533	9-12	C&R	6775-E.386	Time required to repair defective insulation No. 2 hold. LY Fwd Dept VIA S&A 9-17 RB 9-26 Fwd Dept. 9/29	
124261	5-5 5-5	M.Is Dept	T	Probable date of completion May 9.Y Fwd Dept.5/7.	
136491	10-9	Dept		Available for repairs.Y	
137130	10/16	Dept		Repair limit Nov. 28th	774
139874	11-17	Dept		Repair limit extended Dec 12.Y	

1914

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GLACIER: MACHINERY PLANT: GENERAL.

Number.	Date.	From or To—		Subject.
45144	7/18	Dept	4874-202	Report of inspection held May 2.Y Fwd S&A. Noted.8/5.
45630	7/31	C.O.		Repairs to deck winch, engine, ice m chine, flushing pump, feed tank, feed line, dampers, main boilers.Y
46180	8/5	C.O.		Blow out connection, circulating pump and flush ng pump, install grease extractor in main and aux. feed lines; fit dampers up uptakes main boilers.D
46181	7/27 8/10	C.O. Dept	8474-203	New C.O. reports satisfactory condition except repairs and alterations reqt. in other lists.Y Fwd Nav. 8/15.
46884	7/13 8/8	C.O. M.Id		Repairs to angle valve main feed line, log room clock, towing engine, whistle piping, ice machine valves, etc. Y To M.Is authorizes - errors in amts. reported authorized 9/1
46981	8/5 8/14	C.O. M.Is	7704	Alterations; blow-out connection for ice machine circulating pump and flushing pump, install grease extractors main and aux. feed lines, fit damper on uptake main boilers.Y&D (T)to M.Is.Alterations authorized.8/23. Fwd. C&R 9/1
46982	7/31 8/14	C.O. MIIs.		Renew angle supports for feed tank, and duplicates reqt. for alterations of Aug.5.Y&D
47280	8/8 8/18	C.O. M.Is		Reqt. repairs to deck winches, supports for feed tanks, etc.Y
47778	8/21	M.Is	7993	Submits estimates for work in connection with genl. survey; reports certain items eliminated. Y To M.I.approved in part 9/7 BLRB10-8

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N.S.E. Form 134.

GLACIER: MACHINERY PLANT: 216 -- 8

Number.	Date.	From or To—		1912 Subject.
60051	1/5	C.O.		Rerports on condition on taking commend. Y Fwd Nav. via Ord and S&A. Noted.2/1.
61088	1-24	C.O.		Reqt. alterations in feed water heater in order that aux. exhaust and exhaust from main engine may be used to heat feed water.D Fwd Dept.Rec disappr.2/13. R&B 2-15 Disappd To---disappd.2/15.
64635	3-25	Dept		Repair at M.Is. to be completed Apr.6th.Y
65657	3-23	Dept	8474-209	Inspection held 1-13; Fwds.Y Ret---4/9.
66312	3-28 4-3	CO M.Is	3308	Estimate for repairing steam gages, ice machine, propellers, piping, int.com. circuits.Y
81929	11-6	Dept	8474-215	Available for repairs M.Is. 65 days.
84567	10-2 12-2	CO M.Is	11093	List of repairs cancelled by Comdt.Y
84909	8-2 12-2	CO M.Is	11163	Alterations; install valve in circulating pump suction, and new suction pipe from aux. feed pumps to reserve feed tank.D. To M.Is.appd.12/13. Fwd C&R.12/13. R&B 12-18
				1913

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[OVER.]

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GLACIER: MACHINERY PLANT: GENERAL:

FILE No.		From or To— (Dated)		Subject.
32092	2/8	M.Is		Report of survey; no estimates. Y
32756	2/18	M.Is		Fwds copy of Survey under C&R Y Fwd Dept.Rec appr 3/11. R.B.Appd.3/17. To -- Apprd 3/18.
33062	3/4	Dept		Fwds reports of Gen. Survey; will be available for repairs about middle of April. Y Fwd C&R 3/10.
33647	3/11	C&R	7975-E.35	Survey; fwds report under C&R; recommends certain items. Y Fwd Dept. Rec appr 3/14.
34177	3/4 3/14	C.O. M.Is	2491	Reqt. repairs to main engines, bearings, Floot plates, in fire room. Y
41672	6/8 6/20	Dept C&R	8474-204	Report of inspection held May 2. Y Fwd S&A. Repairs have been auth.6/24.
43404	7/12	Dept		Will arrive M.Is. about 12th; available for repairs until Sept. 15th; directs work on all authorized repairs be carried to completion. Y (T)to M.Is. Directs proceed with auth.repairs.7/13. To M.Is. confirms tel. 7/13.
44216	7/15	C.O.		Reqt. repairs to angle valves, clock, steam pipe to whistle, etc.Y
44858	7/29	Dept		Repairs to be completed Sept.30.Y

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FILE No.	From or To— (Dated)	Subject.	
34177 3/4	C.O.	Reqt repairs to main engines: etc:	216--8
		1912	
		1913	
89180 1-25	M.Is 1086	Repairs to piston rods. Y	
295881 4-9	To Boston 3169	Alteration under cognizance S.E.Authorized. Y 3169	
	1920		
514062 8/11	CO	Request oil pans for accentric straps. D. Fwd Oprns 9-1 RB-9-3-D To CO disa pvd CC Pac Fleet- C-I- C Pac Fleet 9-9	
	1921		
549430 2;17	CO	Request instal sheet metal containers to hold water oil mixture.D Fwd Oprns 3/5/21 RB 3/11/21 To CO Disappvs alterations 3,k2	

1916

GLACIER: BOILERS.

Number.	Date.	From or To—	Subject.
185432	4-9	CO	Reports leaks in centre furnace boiler No 3. Y
185977	4-26 4-27	JAG Dept	Report of investigation No 3 boiler.Y Fwd Dept--Appvs findings. 4/29
188474	5-15	CO	Boiler No.3; fwds sketch showing damaged to furnaces.Y
			1918
301232	3/29 4/1	CO Pacific Flt	Lists urgent boiler repairs requested - Y
308858	5-22	To C O	Condition of boilers, and asking for a complete report on same, Y CO 7-30
310898	8/29 11;16	To PS Pug SD	Re shipment of boiler tubes from Puget Sound. Y To Chasn. Reqtd. that boiler tubes be held on arrival. 8/29 To Pg Sd. Re boiler tubes held in reserve, 10-2
Charleston boiler tubes have not been received.	11;16 11;19	Charleston	ToCharles, Reqts inform re above, 11-12 ToCharls, comments on re above, 11-15
359052	9;16	CO	Reports on cracks in boilers 1-2-3 fwds. photographs. Y

NB—0120

N.S.E. Form 134.

GLACIER BOILERS 216-10

Number.	Date.	From or To—	Subject.	
365273	10;3 11;1	3rd dist. NY	Submits report of inspection of boilers Y	
387860	1-24	Phone Material Officer NOTS 3rd District.	Boiler Furnaces removal of. Copy to NY and CO. Phone Ind Mgr. NY- Directed yd to procure materia found necessary in advance of Bureau's appvl. 1-25 Copy to CO and Material Off 3rd Dist. Phone NY-Bu reqted report. 1-27 Copy to CO. 1-27 Phone NY- 1-27	
389386	1;24 1;27	3rd dist. NY	Submitrs report of survey furnaces and boilers Y	
411349	4;9	3rd dist.	Fwds. report on inspection of boilers Y	
572006	6;17 6;23	CO Pac Trn	1921 Submits report on tempy repairs to main boilers. Y To CO Appvd cc Pacific Fleet CO 7/2	

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[OVER.]

216--10
GLACIER: BOILERS.

Number.	Date.	From or To—	Subject.	
45630	7/31	C.O.	Repairs to main boilers, dampers, feed tank, feed line, flusing pump, etc	216--8
46180	8/5	C.O.	Blow out connection, circulating pump & flushing pump, install grease extractor in main & aux. feed lines, fit dampers & uptakes in main boilers.	216--8
			1912	
61088	1/24	C.O.	GLACIER: reqt alterations in feed water heater in order that aux. and exhaust from main engine may be used to heate feed water	216--8
66863	1-24 4-12	CO M.Is 3667	Alterations; make and install feed water heater in ice machine exhaust line.D Fwd Dept. rec disappr.4/23. RB 4-26 Disappd To M.Is.disappd.4/26.	
			1913	
89166	2/1	C.O.	Repairs to evaporators, boilers, etc	216--8
89367	1-28	M.Is 1192	Repair crack in combustion chamber head.Y	
89826	2-4	CO	Water testing outfit; reqt. M To---Will be furnished as soon as completed.2/11.	
91621	1-30 2-17	CO M.Is 1433	Shift donkey boiler; Hull repairs.Y Fwd C&R.3/5. C&R auth.3-7 To M.Is.S.E.work authorized.3/10.	

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N.S.E. Form 134.

GLACIER: BOILERS: 216-10

Number.	Date.	From or To—	Subject.	
99436	5-19 6-13	CO Dept	Reqt. authority to convert donkey boiler No.4 into evaporator by ships force.Y To CO.Asks as to necessity for.6/14.	
102381	7-5	CO	Reqt. authority to convert donkey boiler No.4 into evaporator.D	
103345	6-21	CO	Straighten bulges boilers, 1,2,3 and install additional stay bolts. Y Fwd M.Is.instructions.8/14	
106665	9-23	M.Is	Boiler; reqt. print.D TO -- fwds 10-2	
109701	10-30	M.Is 11313 1914	Reports inspection of boiler; fwds print showing bulges in combustion chamber.Y	
115411 6	12-28 1-10	CO M.Is 257	Retube feed heater waters.Y (T)to M.Is.appd.1/20.	
125032	5/14	TO GLACIER	Omissions in log; submit report concerning failure to carry out instructions re alkalinity of boiler water	680
133761	9-22	CO	Install 2 3,000 gal.evaporators in lieu of No 4 donkey boiler.Y Fwd M.Is 9-9 -pl14 Fwd Dept Via C&R-- Rec appvl. 1/18 To M.Is-- Appvs. 1/27	R8127 appd

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[OVER.]

1917

GLACIER; AUXILIARY MACHY.

Number.	Date.	From or To—	Subject.	
210737	1-4	Dept Commerce	Accident to GLACIER motor boat; fwds copy of investigation exonerating Merchant Steamer Apache.	611-2
467429	1/6	C&R	36' motor sailing launch 1293 turned into store at Mare Is from GLACIER: Y.	611-2
467941	1/8	C&R	Copy of telegram to Mare Is authorizing issue of boats to GLACIER: Y.	611-2
490363	4/28	Mare Is (T)	Request auth to issue repaired boiler for 33' steamer to GLACIER: Y	611-1
496319	5/28	To GLACIER	Report in re to discrepancies in numbers Y copy C&R	611-2
504934	7/2	GLACIER	Fwds change in power boat machinery; Y	611-1
526637	10/25	GLACIER	~~Request auth to install gg Engines in motor boats type L engine in ships steamer; Y~~	611-1
530762	11/17	Mare Is	In conn with replacement of engines in msl and steamer recd from Glacier. Y	611-2

216—11
N.S.E. Form 134.
GLACIER: AUCILIARY MACHY 192k

Number.	Date.	From or To—	Subject.	
561426	5/2	C&R	Copy of letter to MI approcing assignment of 30' steamer 6792 to GLACIER.	611-1 Y

NB—0120 [OVER.]

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GLACIER Auxiliary Machy 1913 2

Number.	Date.	From or To—	Subject.	
89049	1/31	C&R	30-ft steamer 500 will be turned in at Mare Island from the Glacier, not to be replaced	611--1
93773	3:29	C&R	Believes steamer 1st by GLACIER in 1907 was #500	611--1
99786	6/1	Glacier	Reports removal of engine 890, steamer 446 and instalation 462	611--1
103335	7/23	Glacier	Reports installation of spare engine 890 in lieu of 462	611--1
			1915	
146566	1/23	GLACIER	Reports assignment of steamer 655 in lieu of 446 condemned	611-1
147226	2/8	M Is	Reports installing engine 559, Ward boiler 1655, steamer 655	611-1
151445	3/26	GLACIER	Reports receiving steamers 665, eng 559, boiler 1655 in lieu of steamer 446	611-1
160886	7-15	CO	eng 462 installee in lieu 559	711-1
175160	12/20	CO	Reports removal of engine 462, steamer 655, and installation of 559	611-1

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N.S.E. Form 134.

GLACIER: AUXILIARY MACHINERY. 216 -- 11 1916

Number.	Date.	From or To—	Subject.	
178715	2/11	M Is R	2027, launch 1293 surveyed; reqt auth to install 2516 now assigned boat 2266	611-2
180232	2/28	To CO	Steamer 655; asks numberof boiler installed in	611-1
180327	2/19	M Is	Engine 2027, launch 1293, received from GLACIER for survey, type G-2 engines 343 and 856 have been dismantled	611-2
181420	3/26	CO	Recommends installing CC engine 2516 in lieu of 2027 in sailing launch	611-2
188751	5/23	C&R	Assigns steamer 1936 to GLACIER in lieu of 655	611-1
189341	5-29pp	C&R	Motor launch 2265 assigned	611-2
189485	5-4 5-11	CO M.Is	Boat stowage to accommodate sailing launch.Y Fwd C&R 6-1	
189433	5-24	M.Is	Reports receipt of machy from	611-1
190780	6-6	CO	Reports changes in boat machy.?Y	
195060	7/21	M Is	G-2 engine 462, exsteamer 465, condemned for sale	611-1
210219	12-28	JAG	Investigation collision between motor sailing launch N-1293 and engine 2516, belonging to GLACIER and Southern Pacific STEamer Apache.	~~611-2~~

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[OVER.]

216--11

GLACIER: auxiliary machy. 1

FILE No.		From or To— (Dated)	Subject.	
34360	3/22	C&R	BOATS: reports assignment of cutter 446 to in lieu of 808.	611--1
43387	7/12	To C.O.	BOATS: reports assignment of g-2 engine 890 as spare for cutter 446.	611--1
46884	7/13	C.O.	REPAIRS to towing engine, etc	216--8
47869	8/25 8/30	C.O. M.Is 8404	Repairs to donkey boilers.Y.	
52796	11/6	Pac.Fleet	BOATS: Reqt. M.Is. be directed to issue Ward boiler type G-sq with spare tubes for cutter 446.	611--1
54078	11/15	M.Is.	BOATS: reports Ward boiler 1146 issed to	611--1
			1912	
76157	10/12	To	Log, correction, engine 890 is installed in steamer 446. and engine 462 is spare.	680
84398	11-12 12-5	CO C&R 6136-E.24	Allowance of boats; proposed.Y Fwd Dept.12/7. 12/10 appd Ret C&R.12/10.	
85703	12/21	C&R VOID.	Motor dory 842, to be shipped from norf. to NY for	611--2
85704	12/21	C&R	M.Is authorized to convert sailing launch into motor sailing launch1293.	611--2
			1913	

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GLACIER Condensers 1913 1

Number.	Date.	From or To—	Subject.	
89166	2/1	C.O.	Repairs to aux. condenser	216--8
162544	8/2	CO T 1915	Retube main condenser	216-8
436737	7;24 7;30	CO Navgn 494	260 cases of condenser tubes for Pacific Fleet shipped on July 24th.Y	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

GLACIER: HEAT: VENT: REFRIG.

1913

Number.	Date.	From or To—	Subject.	
108425	2-27 10-15	CO M.Is 10219	Renew piston rings refrig machine.Y	
			1914	
139389	10/22 11/3 11/9	Pac Flt S&A Dept	Reports on deterioration of meats; cold storage plant badly designed; flt should have an additional SUPPLY SHIP.Y Fwd Dept-- Noted. 11/14	
			1915	
162544	8/2	CO T	Insulation of refrig room very poor	216-8
369676	10;18 11;16	CO C&R	Relative to Ref. space reports on test Y Fwd Dept.; 11-19 Fwd Dept.; 11-19 R B 1/16 Fwd S&A via C&R. 1-16	
412568	4/19	Department	Cpy, tel to Atl Train stating New York to undertake work on GLACIER, asks if new ice machine should be installed on bridge. A.	774
			1921	
541367	1;21	Pac Flt copy	Vessel docked to renew main injection valve on refrigerator.Y Dept-fwds JAGS report relative to cracking of flange of body of valve of main injection to ice machine.3;21_Y Fwd Operns 3/23	

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N. S. E. Form 134.

216-13:GLACIER: HEAT VENT: REFRIG:

Number.	Date.	From or To—	Subject.	
554471	3;18 3;23 3;29	JAG Navgn C&R	Report covering cracking of flange of body of valve to main injection of ice machine.Y Fwd Navign4/4	

NB—0120

[OVER.]

GLACIER: HEATING: VENTIL TION: REFRIGERATION SYSTEM.

FILE No.		From or To— (Dated)	Subject.	
32587	2/10 2/18	Roelker, H.B. M.Is 1563	3 ton Allen Dense Air Ice Machine; reqt. payment of balance of 10%: M.Is. states machine has not been installed; held pending action on survey. D Fwd Dept via S&A. Delay not due to contr 2/28. R.B.3/28. Fwd S&A 3/29.	
45630	7/31	C.O.	Repairs to ice machine, boilers, etc	216--8
			1912	
66312	3/28	C.O.	Estimate for repairing steam gages, ice machine, etc	216--8
			1913	
86622	12/12	C.O.	Repair ice machine, etc	216--8
88822	8-2 1-21	CO M.Is 901	Repairs to ice machine.Y	
88931	8/2 1/21	C.O. M.Is.	repairs to ice machine, etc	216--8
89293	1-22 1-25	CO M.Is 1159	Lag ice machine.Y	

N.S.E. Form 134.
216--14

GLACIER propellers & Shafting

1912

Number.	Date.	From or To—	Subject.
358523	10;14	CO	Recommended all stern tubes and strut bearings be rewooded Y
		1920	
467054	1-5	To CO	Advise if have onboard 4 cast iron propellers carried as spares. Y R B 1/27
530546	11;13	M IS	Propeller report.Y
		1921	
541496	1/21	To CO	Ask to confirm or corr records as listed Y. CO-2;3-Y
561337	4;27	M IS	Propeller report.Y To MI Reqst Plan cc CO 5/24

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[OVER.]

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GLACIER: propellers & shafting

Number.	Date.	From or To—	Subject.	
66312	3/28	C.O.	Estimate for repairing steam gauges, ice machine, propellers, etc	216 -8
		1917	1913	
212397	1-23	C&R	Propellers; report on condition of. Y	
212396	1/29	To M.Is.	Reqt detailed information in connection with propellers of. D M Is has 4-bladed propeller with blades removeable; gives pitch data, area, etc 2/13	
223286	4-14	W. G. Anderson void	New type propellor.	697
222927	4-13	C&R	D-3, GLACIER JACOB JONES & SOUTH DAKOTA quotes from hull inspections re propellers.	697
236023	6/29	To CO	Desireable to carry spare propeller blades on board instead of at yard. Ask number of on board. Y CO I0-2 CO I1-9	

1315

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216--15

GLACIER, Piping system

1912

1

Number.	Date.	From or To—		Subject.	
84909	8/2	C.O.		Alterations, install valve in circulating pump suction, and new suction pipe from aux. feed pumsp to reserve feedtanks.	216--8
				1913	
89501	1-24	M.Is		Incidental piping work Hull repairs. Y Fwd C&R. 3/3.	
89965	2-3	M.Is	1488	Renew suction piping distiller pump. Y	
				1914	
134474	9-2	CO		Install 2-1/2" copper pipe from fire pump to suction piping. Y Fwd MI-- For estimates. 9/15 rb 10 26 Fwd Dept--disappd. 10/27 rb 10 29 To M.Is-- Disappvd. 10/29	
136738	10-5	CO		Steam pipe to anchor engine; reqt change in lead. Y To M.Is-- Appvd. 10/13	
				1915	
154526	4-28	CO		Instal steam by-pass line aroung reducing valve to generators. Y Fwd Dept-- Rec disappvl. 5/12 RB 5/14 To--Disappvs. 5/14	

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GLACIER: PIPING SYSTEM. 216 - 25

1917

Number.	Date.	From or To—	Subject.	
263918	10/9	CO	Repair auxiliary to feed line -	
263919	10/4	CO	Repairs to auxiliary Steam pipe - Y	
			1921	
551074	3:17 3:26	CO Pac Flt	Request overhaul and extend suction pipes to bilges. D&Y	
555074	4/42	Fwds C&R	Hold drainage-Alteration-Cog of C&R Y	

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[OVER.]

GLACIER: OIL FUEL SYSTEM. 1914

Number.	Date.	From or To—	Subject.	
129651	6/27	CO GLACIER	Fuel oil burners; reqt description of	653-1

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

GLACIER: MACHINE SHOP & TOOLS.

Number.	Date.	From or To—	Subject.	
47338	8/4 8/24	Pac.Flt. Dept	Fitting, for repair optical instruments.Y Fwd C&R. Proposed use of wireless room is not recommended.8/28. RBQ 2a ppd Tel. M. is authorized 9/2 Ref. Ord. 9/5	
			1912	
			1913	
		1919		
432585	7;14	CO	Request vessel be furnished with a new shaper.Y To GLACIER info req size 7/18 CO-7;24 To CO req survey 9/4	
		1922		
602487	12/22	CO	Ask if any power tools on board GLACIER will be transferred to YOKON Y	1005-771

NB—0120

216-18
N.S.E. Form 134.

GLACIER: MACHINE SHOP & TOOLS 1922

Number.	Date.	From or To—	Subject.
614326	3/20	To MI	Decommissioning of - machine tools- Gives disposition of RB 5/3/22. Y

NB—0120

[OVER.]

FILE No.		From or To— (Dated)	Subject.	
35206	3/22	M.Is. 2913	Reqt arrangements be made to ship aux. feed pump from Boston Yd. Y To -- Will be shipped soon as possible 4/4. To Bost.Directs mfr. - To S&A reqst shipment to M.Is. 4/3.	
			1912	
86622	12/22	C.O.	Repair ice machine, feed pumps etc	216--8
			1913	
88824	11/29	C.O.	Install new flushing pump, etc	216--8
			1915	
23368	4/23	Warren S P Co	Fwds b/p covering their pump for	629
			1 9 2 1	
549431	2;17 2;19	CO Pac Flt	Request transfer pump be replaced by a larger pump.D Fwd Operns 3/5/21 RB 3/11/21 To CO Disappvd 3/12	
549429	2;17 2;19	CO Pac Flt	Request instal zinc boxes in suction lines of ballast pumps.D To MI Gives instrns 3/7/21 M IS-4;8-D&Y To CO Disappvd cc MI 4/20	

216 -- 20

GLACIER, valves.

1913

1

Number.	Date.	From or To—	Subject.	
88824	11/29	C.O.	Repair safety valves, etc.	216--8
88825	12/23	C.O.	repair boiler stop valves,etc	216--8
88826	1/9	C.O.	Repair sea valve, etc	216--8
		1915		
149316	2-26	CO	Boiler blow valves; recd present valve be replace by Simplex type. Fwd Dept-- Rec disappvl. 3/13 RB 3/17 To Via M.Is-- Disappvs' 3/17	
		1917		
229376	5-15	GLACIER	Fwds samples of pieces of canvas sewed together, used as a substitute for rubber vlaves	
		1918		
7 304001	4/20	CO	Request fit new stop valves between check valve and boiler above main to auxiliary - Y To Norf- Alterations auth. 5-6	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.
310884	5-27	CO R	Request $1000 additional allowance. R Fwd S&A 5-31
361345	10/14	Mare Island	Copy of letter to third Dist. forwarding allowance list for RA
383928 To CO	1-18 p - Fwds	To CO apprvd allow lists. 6-19	Fwds one blank type "A" elec list for revision of. Lr To-mkeqts reply to 1-16th. 5-21 CO fwds elect allowance book 5;29 CO 5/30
402536	3-14	Phone S.O. 3rd Dist	Auth to supply one 2" injector in advance of Bureau's appvl. Ra
423179	5-28 6-3	CO 9th Dist	Rqst auth to turn in at Gr Lakes all title X and B stores - R
575401	7;8	CO	Annual inventories completed.Y.

N.S.E. Form 134.

216- 21 GLACIER ALLOWANCE 1921

Number.	Date.	From or To—	Subject.	
596048	11/9	CO	Fwds revised copies of allowance list.	Y
596047	11/9	CO	Fwds revised copies of electrical allowance list. Y	

4—3381

[OVER.]

GLACIER: ALLOWANCES:

Number.	Date.	From or To—	Subject.
48542	9/6	C.O.	Reqt Increase in quarterly allotment.R Ref. S&A allows increase 9/13 RB 9-16
			1912
76014	7/11	CO	Money allotment; requests that wire, insulators, etc., for wireless be not charged against current quarter.R Fwd S&A. Req be not charged to quarterly allotment. 8/20.
76425	8/15	CO	Requests increase in money allotment for present quarter.R Fwd S&A. auth. 8/26
76			
			1913
89880	2-4	CO	Reqt. addition of gasoline for motor sailing launch. R. Fwd S&A. Cannot be added, as is under S&A appr. 2/12.
100166	6/24	PITTSBURG. T	Re transfer of titles and not charging against machy allotment, spare parts for refrig. machy. R (T) to San Diego Radio. Not appd. 6/24.
			1914
121842	3-20	CO	Reqt increase titel B stores. R
	To M.Is-- See letter of 27.2/18		To Via M.Is--Fwds blanks. 1/27 TO CO -8-18
	To CO Via M.Is-- Omit from. 3/24		M.Is. 2/10--reports nonreceipt of letter 1/27. R
121854	3-21	CO	Fwds proposed. R

N.S.E. Form 134.

GLACIER: ALLOWANCES. 216-21

1915

Number.	Date.	From or To—	Subject.
145236	1-14	CO	Recommends increase. R.
170344	10-28	CO	Fwds list recommended.R To--Fwds blanks for.11/6
			1916
185836	4-27	To CO.	Addition of gauge testing outfit. R
			1917
248768 248528	9/12	To CO	Fwds allow for revision. R
250614	9/24	To M.Is. CO	F wds allow. RL
271350	1-7	To CO	S.E.Elec Allow. Increase in number fans allowed. Gives changes. L-R
274519	1-18	To CO	S.E.Allow Lists. Fwds one copyR
301254	4/22	CO	Fwds allowance - RA To- Fwds appvd lists. 4-30

NB—0120

[OVER.]

GLACIER: INSTRUMENTS & GAGES

Number.	Date.	From or To—	Subject.	
66068	3-30 4-3	CO M.Is	Overhaul main engine indicators.Y	
			1913	

N.S.E. Form 134.

1912

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

GLACIER: RECORD OF WORK:

Number.	Date.	From or To—	Subject.	
507653	7;1	CO VESTAL	Quarter ending June 30th.Y	
513794	7-1	PRAIRIE	Quarter ending 6-30; Y	
525497	10;1	CO	Quarter ending Sept 30th.Y	
		1921		
542287	1-3	CO VESTAL	Quarter ending 12/31 Y	
556975	4;1	CO MELVILLE	Quarter ending 3;31.Y	
559957	4;1	CO	Quarter ending 3;31.Y	
575644	7/1	CO VESTAL	Quarter ending 6/30 Y	
590656	10/1	CO VESTAL	Quarter ending 9/30 Y	
595652	11/14	PRAIRIE	Qarter ending 9/30 Y	
		1922		
603893	1/6	MI	11/11/20 to 5/6/21. Y	
604755	1;1	CO VESTAL	Quarter ending Dec 31st.Y	

4—3381

216-25

N.S.E. Form 134.

GLACIER RECORD OR WORK 1922

Number.	Date.	From or To—	Subject.	
649293	11/6	M.I.	6-20-21 to 6-30-22 Y	

4—3381

[OVER.]

CLACIER: RECORD OF WORK.

1913

Number.	Date.	From or To—	Subject.
109948	11/4	Mare Is.	Mar.11 to Oct.11.Y
111445	11-23	M.Is	Mch 11 to Oct 11.Y
112350	12-5	M.Is	Mch 11 to Oct 11.Y
		1914	
118847	2-24	M.Is	Oct 11 Jan 20. Y
120541	3-13	M.Is	Oct 11 to Jan 20.Y
126798	6/5	Mare Is.	Jan.20 to May 9.Y
127479	6/8	Mare Is.	Jan.20 to May 9.Y
		1918	
319918	6/20	Empire Brook	4/27 to 6/2- Y
344650	8-31	NY	July 27 to 8-12 - Y
351861	9-12	M Is	Quarter ending Dec 31st - Y

NB—0120

N.S.E. Form 134.

216- 25 GLACIER: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
379264	12;1	Ampier Brook	10-21 to 11-4	
412756	4-15	N Y	1/18 to 4/12 -	
415153	4;28	Morris DD Co	1-8-19 to 4-24-19 Y	
446770	7;1	USS VESTAL	Month ending June 30 th _Y	
450131	10-1	CO PROMETHEUS	quarter ending 6/30. Y	
469753	1;1	CO VESTAL	Quarter ending December 31st.Y	
483447	3;1	M IS	2/6 to 3/5.Y	
489035	4/1	VESTAL	Quarter ending 3/31 - Y	
492700	5;1	CO PRAIRIE	quarter ending March 31st Y	

1920

NB—0120

[OVER.]

216-27

GLACIER: SURVEYS 1921 2

Number.	Date.	From or To—		Subject.
556715	4/4	MI	14/21	Brasses, Connecting rod, Stem Y
557536	4/5	MI	13/21	Armature, Lantern, Valve Band Y
558829	4/11	Comdt	15/21	Fan, Irons Y
558628	4/12	Comdt	16/21	Ventilating set Y
561843	8/14	COmdt	1-SE	Muffler Y
563202	5/5	Comdt	17/21	Thrust collar bearing engine Y
583163	8/15	CO	18/21	Wheel, Bearings Y
597445	11/18	Comdt	3/22	Gears, Y
600491	12/6		5	Propeller Y

4—3381

Number.	Date.	From or To—	Subject.	

216-27

1920

1

GLACIER: SURVEY:

Number.	Date.	From or To—		Subject.
478175	2;20	M IS	5/27	Coal buckets.Y
480368	3;1	Inspr Union	Progress	report.Y
		VOID		
480363	2;28	M IS	6/29	Bench vise.Y
487577	2;20	M IS	5/27	Coal buckets.Y
490105	4;22	M IS	10	Boiler fittings for steamer.Y
490549	4/21	M Is	No. 8	Various material - Y
491482	4;27	M IS	11	Cylinders and piston.Y
506014	2;28	M IS	6-29	Vises.Y
506029	4;22	M IS	10	~~10~~ Boiler and fittings.Y
514679	8;21	CO	2	Wheelbarrow,hand tools flashlight,etc.Y

4—3381

N. S. E. Form 134.

216-27: GLACIER: SURVEYS:

Number.	Date.	From or To—		Subject.
523733	10;8	CO	3/21	Various material.Y
	10;11	M IS		
524516	~~19~~;9;29	CO GALVESTON	VOID	
526934	10/25	M I	4-21	Engine, boiler- Y
526937	10/26	M I	6/21	Battery te ting set, Lantern, Coils, etc- Y
526936	10/25	M I	5/21	Engine- Y
528652	11;3	M IS	7/21	Various items.Y
531024	11;17	M IS	8/21	Brasses.Y
531675	11/20	M. Is.	10-21	Various material. Y
534653	12/1	M I	9/21	Engine Y
545609	1/31	Glacier	11/21	Klaxon horn Y
552329	3/3p	1921 Glacier	12/21	Block, Pulleys, Scale Y Fwd Dept 3/22 RB-3;28

408-2

SOUTH DAKOTA; TRIALS AND PAYMENTS 1922

2

Number.	Date.	From or To—	Subject.	
637049	8/10	N.Y.	Various contracts covering material for battleship SOUTH DAKOTA & INDIANA Fwds data sheets. G	1214-1

4—3381

Number.	Date.	From or To—	Subject.	

SOUTH DAKOTA: TRIALS: MOVEMENTS: ETC.

Number.	Date.	From or To—	Subject.	
44907	7/28	Dept 28004-1-85	Report B; engrg. comp. trials. F&Y Ret--Noted.8/5.	
51795	10/18	C.O. VOID	Recommends change in size of reamers,etc.R	
52331	10/25	C.O.	FEED WATER HEATERS: reports on installation of, designed by Mch.E.W.Abel & tested by Lt.Oakley.	750
56232	12/11 12/14	Dept. Ord, 22501-11	Report on behavior of personnel and material.F Fwd Dept.via C&R. 1/9.	
56340	12/1	Pac. Flt	PROPELLER: coating with graphite, showing treatment, increases efficiency, report on 697	
			1912	
			1913	
9065ø1	2/19	Dept	Target practice report,	749
101102	7-9	Dept	Report B. Fwds.F. Ret---7/17.	
101971	7/21	Dept.	Engrg Comp.Report B.	766

N.S.E. Form 134.

SOUTH DAKOTA 408--2

Number.	Date.	From or To—	Subject.	
111927	12/1	Dept	TARGET PRACTICE? fwds report	749
128640	6-29	Dept	Eng compt report B. Fwds. F Ret---7/1.	
			1916	
185689	4-19	Pac Reserve Fleet	Full power and end run; commendatory report.F Fwd Dept-- Recommendations.4/28	
280402	4-10	To Ports	(T)-Use MONTANA telephones for NORTH DAKOTA. L	
509616	8;2	CO HURON copy	Request engineering performance of battle-ship class be furnished.M	
			1921	
578695	6;30	CO	Gives reasons why performance curves not submitted.M	
581741	8;19	Operns	Reports discontinuance of full power trial on account of carrying away of radio antenna.FM&W cross to 6	

NB—0120

[OVER.]

SOUTH DAKOTA: ELEC. PLANT.

Number.	Date.	From or To—	Subject.	
455724	11/3	C&R	Copy of letter to Constr NY giving changes in specifications covering casings for elec. leads - L	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

SOUTH DAKOTA: ELECTRIC PLANT.

Number.	Date.	From or To—	Subject.
47496	8/17	M.Is 7898	Reqt. authority toincrease estimate for installing distribution boxes outside handling room. L
47774	8/25	M.Is 8213	Remove and replace elec. fittings and wiring on ceilings of suspended elec. booths, fwd and after turrets. L
			1912
76169	8/14	CO	Requests instructions relative to making out reports on electrical fittings and apparatus. as to including those under C&R.L To-- instructions 8/22 Ref. C&R. 8/22
			1913
95935	4/28	To CO	Quarterly report: request further report as to what action is being taken to put circuits in good condition.L
97784	5-15	CO	Reports progress made in removing grounds.L
		1914	
130531	7/23	To CO	Quarterly report of electric plant; returns duplicate copy.L
		1916	
178407	1-18	CO	Reqt misc elec alterations.L Fwd Pug Sd-- For est and rec. 2/8 RB 3/3 To M.Is--Gives action on reqt plans. 3/10 To M.Is-- Reqt reply. 3/31 M Is fwds vandyke 4/6 To M.Is--Apprvs plans and estimates.4/21

N.S.E. Form 134.

SOUTH DAKOTA: ELEC 408-3

1917

Number.	Date.	From or To—	Subject.
214699	?	CO	Changes necessary to comply Turret boards report.L
264767	11/20	CO	Repairs search light motor, lathe motor, electric log indicator - L
264768	11/15	CO	Repairs to search lights, generator, meters, interior communication system, calibrated radio set - L
266449	12-12	To CO	Elec installation. Reqts inform in detail relative to leads which should be renewed. L
338652	8-7	CO	Request furnish necessary material to repair switch board, overhaul deck winches, etc - L
372279	11;22	CO	Gives list of electrical booklets and records on board L
375539	12-12 1;21;19	To CO CO	Reqts. a new original report CO annual report on plant data 12;17

NB—0120

[OVER.]

SOUTH DAKOTA: INTERIOR COM SYS

Number.	Date.	From or To—	Subject.	
441513	7;29 ~~8;22~~	CO ~~Portd~~	Request instal general alarm system. L ~~To Ports-disapproves reqt for general alarm system-8;27~~	
Wash 993	1/7	To Commanding Officer SOUTH DAKOTA.	Desires information regarding type of fire room timing apparatus. LS	629
Wash 993	2/12	SOUTH DAKOTA	Submits nameplate data on fire timing device; SL	629
562564	3;30	CO	~~Submits list of matl turned in at Norf for shipment to H-O Co.L~~ Fwd S&A cc CO 5/16	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

1918

5

SOUTH DAKOTA: INTERIOR COM SYS.

Number.	Date.	From or To—	Subject.	
288177	3-6	CO Holser-Cabot Co - result of visit of Representative - L 4/3 To H-C Co- Has discontinued practice of dis-assembling fire control phones in the future when nothing is the matter with them. Instructions sent to	Fire control telephone - states those received are unsatisfactory for purposes intended. Lp To H-C-Reqts comment and recommendations on telephone transmitters. 3-19 Holtzer-Cabot Co - L 3-21. To H- C Co-Pleased to receive report on visit. 3-3	re type
291303	3-22	To S&A. FLEET. 4-27	Reqt ship of Utah phones from NY to.	647-10.
295310	4/3	Ports	Fire control telephone - submits estimate - Y To- Estimate $950 appvd. 4-11 Ports - fwds report of status - 4/24 - L	
298116	4/11	CO	Request Ports Yd be authorized to furnish type of telephones Ex-MONTANA - L To(T)-MONTANA telephones for appvd. 4-12	
34624	6/12	SOUTH DAKOTa	Reports recpt of 20 Utah type fire contraol telephones	629
302480	4/1	CO S D	New type joint spare indicators. Submit report on. L. To CO- Thanks for report and scheme of Lt. Gibbs. 5-15	
32973	6/15	To Ginn	Asks if shipt of drill for SO DAKOTA & UTAH made	629

4—3381

N.S.E. Form 134.

SOUTH DAKOTA: INTER COM SYS 408 - 4

Number.	Date.	From or To—	Subject.	
322182	6/5 6/28	CO NY	Fire control telephones Type C N - reqst information as to whether or not these covd by shipment order of 5/31 on contract 34624 are to be considered an additional allowance - L To CO, re changing telephones, fire-control, 7-24 CO - 8/14	
347925	9/8	CO	Renew revolution indicators - L To Ports authorizes installation 9-16	
360833	10-23	To Ord	Extracts from reference quoted L RB 11-8th	
366962	11-9	Fwd Ord	Fire control, tracking devices, L CO req. be supplied with a Universal driving machine for use in connection with fire control 10;26 L 1919	
387808	1;17	CO	Req. auth. to turn in time fire instrument L To- Reqts appvd. copies to Trnas Force Ind Mgr and S.O. NY 1-28 CO - 2/26	
417593	5/10	Portsmouth	And SOUTH DAKOTA, requ ships be supplied with standard director firing circuit switch. L.	342-4

4—2381

[OVER.]

SOUTH DAKOTA: INTERIOR COMMUNICATION SYSTEMS. 1916

Number.	Date.	From or To—	Subject.	
187226	5/2	M Is	Work in connection with director firing system; submits; transferred to Pug Sd	280-4
187358	5-2	Pug Sd	Director fire control system; asks if delay coil should be installed.L To--5/11	
205422	11-9	Pug Sd	Fire control changes; submits estimate.L To--Appvs est. 11/22 Fwd C&R--Have appvd est. 11/22RB 12-1	
206215	11-15	CO	Time firing device; reports satisfactory results from alterations in.L	
206506	11-18 11-24	CO Ord	Request print showing or ginal installation of voice tubes.L To Pug Sd--Directs fwd print to CO if on file.12/2 Pug Sd have furnished vessel with plans 12-14	
209923	12-22	CO	H-C fire control head sets; type C; request authoruty to turn in. L To--Will not auth issue of new material at this time. 1/4	
210426	12-22	Pug Sd	Fire control voice tubes; fwds plans.L Fwd C&R--Plan satis. 1/11 C&R fire control print 4/20	

1917

NB—0120

N.S.E. Form 134.

1917

408 -- 4 SOUTH DAKOTA: INTERIOR COMMUNICATION SYSTEMS.

Number.	Date.	From or To—	Subject.	
213551	2-5	DEPT FREDERICK	& SOUTH DAKOTA: have instructed Pug Sd not to work on fire control alterations.	280-4
213790	2-7	Dept FREDERICK	Reports on fire control material.	280-6
214604	1-29	Pug Sd	Fire control plans; fwds; not recd. L To--Plans have not been received. 2/19 Pug Sd fwds additional plans 2-26 To--Plan appvd 3/17 Pug sd fwds plan 3-29	
265505	12/6	C&R VOID	Relative to change in boat allowance - Y	
265328	11/24	CO	Alterations - installations of voice tubes from flying bridge t starboard engine room - L Fwd C&R-12-8 C&R - satisfactory - 12/4 - L Ports - cancellation of job order for call bell system between flying bridge and engine room 4/9 - L	
268510	12/12	CO To- 1-5 Fwd S&A 1-5 To NY- Desires that 6 type CN phone recieved from be sent to H-C for conversion UTAH type. 1-5	Reports on defective C N Holser-Cabot telephones L To H-C Co.-Report when they are modified and ready for shipment. 1-4 To S&A-Reqt shipt 6 type CN tel from NY to Bos. 1-5	
270218	12-29	To S&A To S&A-Reqt shipt 15 type CN telephones from Phila to CO. 1-4 Nov. 16 - Shipments have all been made L	Reqt shipt 20 type CN telephones. 20 type C H-C teleph ones from NY to CO. L S&A 1/2 L To CO, Rqst if mat'l recd 11-1	

NB—0120

[OVER.]

SOUTH DAKOTA. Int. Com. sys.

1912

Number.	Date.	From or To—	Subject.	
69638	5/17	M.Is.	& CALIFORNIA, re-arrangement sub-central & substations, re mfr of dials.	147--4
72246	6/20	M.Is/ 6002	& CALIFORNIA: ships service tel.system; request auth.for installing; Bureau's letter June 10th on MARYLAND omitted these vessels.	147-4
76260	8/12	CO	Installation of range and deflection indicators and transmitters in 6-inch sub and 8-inch sub and sub-central stations. Ordnance officers object to installation as those installed on COLORADO are unsatisfactory.L Fwd Ord. 8/22	
78717	9-24	TO Dept	Omit telephones due condition appro. L	604
79051	8-16 9-9 9-25	CO M.Is 8540 C&R 28172-E.3	Re-arrange voice tubes,fire control. L Fwd Dept with recom.10-2 RB10 4 a'ppd Ref. C&R 10/4	
			1913	
99048	5-17 5-29	CO M.Is 5575	Repair ships telephones; H-C type. Yard recommends new. L Fwd Dept.rec disappr.6/20. RB 6-25 Ret M.Is.via CO.asks as to necessity of.7/2.	
113686	12-20	M.Is	Engine order telegraphs; change in dials. L	
113675	12-20	M.Is	ditto	
113685	12-20	M.Is	Helm angle indicators; change in dials. L	

N.S.E. Form 134.

SOUTH DAKOTA: ICS. 408-4

1914

Number.	Date.	From or To—		Subject.
120613	3-12	CO		Reqt authority to turn in telephone stowage box. L To---via Pug Sd.and Pac.Res.rlt.appd.3/24.
131512	7-22 7-29	CO M.Is	7838	Salvo firing keys; est for mfg.L
138511	10-23	M.Is	11603	Gyro compass; estimate and plans.L Fwd Nav Via C&R-- For comment. 11/6 rb 11 18 To-- Appvs. 11/21
141479	11-30	M.Is	3021	Fire control telephone switchboard; plan.L To-- Appvs. 12/10
146042	1-15 2-1	M.Is C&R		Gyro compass; estimte for installing. L
181840	3-8	CO		Alter time firing device; plan.L To-- Auth changes 3/18
182890	3-15	M.Is		Location of torpedo defence system; fwds print.L
183133	3-18 3-26	CO Phila		Location of torp defence station.L
184668	3/13 4/14	CO C&R		Install fire control voice tubes.L Fwd C&R-- 4/19

1916

NB—0120

[OVER.]

SOUTH DAKOTA: INT. COM. SYS.

Number.	Date.	From or To—		Subject.	
44895	7/22	M.Is	6961	Estimate for work on mechanical engineroom telegraphs, bell pulls, in connection with installation of cage masts. Y To -- Appd. See 43858-408-8. 8/10.	
45166	8/1	M.Is	T	Reqt. no change be made n present fire control system except connection from cage mast to central station; reqt. authority to retain 3" voice tube to 6 and 3" guns. L (T) to -- Reqst specific objections to type plans.8/2.	
45188	8/2	M.Is	T	Fire control; no specific objections to Bureau type plans; considers present system superior.L (T) to---Directs proceed wirh work.8/3.	
45201	8/24	M.Is	6938	Alterations to visuals, fire control.L	
46023	8/5	C.O.		Time firing device; reqt. be altered to show 8 firing intervals in lieu of 6. L	
46152	8/2	C.O.		Ships service telephone system; reports present equipment, with Holtzer Cabot phones proves satisfactory; recommends certain changes of location and new switchboard. L	
46552	8/17	M.Is.	T	Time firing device; reqst authority to alter to 8 in lieu of 6 numbers. L (T) to---Appd. 8/18.	
47164	8/10	M.Is.		& CALIFORNIA: has ordered mfg of mechanical dials for sub-central & sub-stations	147--4

N.S.E. Form 134.

SOUTH DAKOTA: INT:COM:STS: ¢08-4

Number.	Date.	From or To—	Subject.	
✓ 47335	8/5 8/15	C.O. M.Is 7599	Modification time firing device:. L	
48537	9/5	M.Is.	& CALIFORNIA: reports number, type & location of telephones	147--4
✓ 49589	9/21	C.O.	Explains reasons for making reqn. for 18 arc lights interior fittings for gun firing circuits. L To S&A--Reason for disapp. Reqn.94.10/3.RB 10-7 Fwd Ord. do. 10/10.	
47188	9/25	TO Pug.Sd	Quotes Dept. endorse. approv. instal. 25 new tlephones. 9/25	477-4
			1912	
59913	1/23	M.Is.	& CALIFORNIA: submits estimate for installing new ships service telephone system	147--4
60357	1/26	M.Is.	GENERATORS: reqt instructions re securing panel for those converted.	661--2
62434	2/28	Holtzer Cabot Co	& CALIFORNIA: fwds spare part list for telephone system	147--4
63792	3/9	M.Is.	& CALIFORNIA: estimates for removing and replacing elec. appliances on cage mast due to alterations in height	147--4

NB—0120

[OVER.]

SOUTH DAKOTA: Interior communication systems: 1

FILE No.		From or To— (Dated)		Subject.	
31045	1/24	M.Is.		CALIFORNIA: & relative to re-arrangement of bridge and cage mast.	147--4
31299	2/8	C&R		& CALIFORNIA: print showing arrgt of cage masts and bridges	147--4
36846	4/20	Dept	27468-1.87	& WEST VIRGINIA: Battle practice; reports on operation of fire control apparatus. L Fwd Ord. Under cog.of.4/25.	
37118	4/19	M.Is.		& CALIFORNIA: fire control: & masts: reqt reqtn be made for 20,000' wire. states have sufficient other material to make alterations in accordance with 1910nspecifications.	147--4
~~37117~~	~~4/27~~	~~Fwd M.Is.~~		~~Fire Control System: Reqst information as to changes necessary to bring up to requirements of 1910 Fire Control Bd's Report. L~~	
37324	2/27 4/20 4/27	C.O. M.IS Ord	3757	Suggestions for changes in fire control system. L Ret M.Is. for consideration and rec.4/29.	RB 5-25
37117	2/27 4/20	C.O. M.Is.	3757	Comments on fire control system and reqst. instructions whether will be allowed to keep present system, or 1910 system will be installed. L Fwd M.Is. for information.4/27. To M.Is.Ref to 39896-647 of 10th and June 26th. 7/14.	RB 5-25
39896	5/17	M.Is.		(CLASS) FIRE CONTROL: fwds prints, and states changes necessary with comply with latest systems	647
42097	6/24	M.Is.		CALIFORNIA: asks if 1910 fire control sys. is to be installed as per plans of MARYLAND	147--4

NB—0120

SOUTH ~~DAKOTA~~ Huron - ELEC LIGHT AND POWER 1921

Number.	Date.	From or To—	Subject.
590490	9/22	CO HURON	Request new set of prints cov dynamo engines.L To Comdt's yards- Generating sets Reqst for vancykes 10/20 L Boston 10;25 L Ports-no tracings on file-10;26-L Norf-10;31-L NY-no plans on file-10;28-L Pug.Sd. 11/1 L Mare Is/ Fwds prints cov 50 and 100 KW generator sets for. 11/7 L Phila- 11/15 L
		1922	
608324	12/13 12/17 2/6	CO Asiatic fleet C&R	Report on destruction of schlight #7- request auth to change location of schlights- # 1 and 2. L To C&R Change approved 2/9 C&R- 2/15 L To C&S-2;18-L C&R-Copy action to CO HURON 3/1 L

Number.	Date.	From or To—	Subject.	

4

SOUTH DAKOTA: ELEC LIGHT & POWER

Number.	Date.	From or To—	Subject.	
336686	8/7 8/9	CO Atlantic Cruiser	Rqst repairs to portable volt meter - L	
335617	7-27 8-7	CO Atlantic Crusier	Request replacement of To Ports, rqst inform if searchlights have been repaired and reinstalled 8-22 Portsmouth 9-5	
347923	9/5	CO	Repairs to searchlights - L Ports. Dec. 11 - fwds proposal covering supplies	
349998 CO matl.	9-19 rec'd. 1;21;19	To S&A	Rqst shipmt searchlight lamps Ports to CO L To S&A, rqst inform re above shipment 10-10 Portsmouth Nov. 1. To CO. Asks if material rec'd. 12-31	
34427	9/27	CO SOUTH DAKOTA	Switches not reed L&S	629
			1919	
391751	2/3	Ports	Request van dyke showing crank shaft piston and connecting rod for dynamo engine be furnished - L	
401972	3;7 3;12	CO At Cr	Req. auth. to turn into store speed light controllers L To- Inform by what auth speed light control was removed. copy to CR & TR force. 3-21 CO fwds tracing 4;17	RB 5;26

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N.S.E. Form 134.

SOUTH DAKOTA: ELECT: LIGHT & POWER

Number.	Date.	From or To—	Subject.
412396	4;10 4;18	CO Ports.	Install water type transport switch box and install light L Fwd Operations. 4-25 To I.M. Ports- Gives detail action. 4-25 copy to CO. R B 4/30 To I.M. Ports. copy to CO-Gives detail action. 5-6
435269	7-28	To I.M. Ports-	Signalling Searchlights.Desires installation of two 24" high tensity arc signalling searchlights be installed one on each wing of the signal bridge. L copy to CO To I.M. Ports- Auth granted for installation of necessary wire. copy to CO. 8-1 To S&A- Reqt shipt searchlight from NY to Ports.8-4 RB;8;22 Ports (T) ask how many searchlights shall be shipped - 8/8 - To S&A-Reqts modifications to shipt order of Aug. 4th. copy to S.O. Ny and Ports. 8-12 To S&A- Reqt shipt circuit breaker from Boston to Ports. 8e12 R B 8-29 To I.M. Ports- Advise why circuit breakers in store not suitable for SOUTH DAKOTA. 8-13 To I.M. Ports(T)- Lists shipment of material on order of 8-12th. 8-13
443037	7/28 8/28	CO NY	Illuminating set - estimate for assembling and fitting - L Fwd I.M. Ny- 9-5 S&A-10.6 NY - 10/31

Ports-T-have no notice of shipment of searchlights.8;12

Ports-T-two circuit breakers needed.8;14

Ports-fwds print of signal searchlight/9-;6

SOUTH DAKOTA: LIGHT & POWER.

1915

Number.	Date.	From or To—	Subject.
173137	11-19	M.Is	Mechanical distant control for searchlights; estimate and plans.L Fwd Dept Via C&R--Rec appvl. 12/7 M.Is reqt action (R) 2-22 To--(R) Will not be installed present overhaul. 2/23
176247	1-14	C7r	Searchlights; mechanical control; satis; recommends investigating for other vessels of class.L To Pac Flt--Fwds corres on; reqt rec re adopting similar arrangement on other vessels of class. 1/21 To M.Is--Have refd to Pac Flt for rec.2/23 To Pac Flt--Reqt report on searchlitht controls. 5/5/16
186278	4-20 4-25	COP Pug Sd	Searchlight distant control; time required for installing.L To Pug Sd--No action at prese t. 5/5
186887	4-29	Pug Sd	Work of installing adapter night signal set held up pending instructions.L To--Not action at present. 5/11
192737	7-8	To Pug Sd.	Searchlights; distant mechanical control; directs be installed. L-Y To--Fwds plans covering above. 7/17 To M Is 8/25
198902	9-6	Pug Sd	Manufacture and install mechanical control searchlight.L Fwd Dept--Work under this Bu will be auth.9/28 RB 10/5 To--Est appvd. 10/18

1916

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N.S.E. Form 134.

SOUTH DAKOTA: LIGHT AND POWER

Number.	Date.	From or To—	Subject.	
233000	6-9	S&A	Bulbs for 121/2" searchlights; fwds copy of telegram from M Is. requesting disposition	675
233000	6-9	S&A	Bulbs for 12-1/2" searchlights; fwds copy of telegram from M Is reqting disposition.	675
271817	1-8	To Ports-	Alterations to slide valves appve. L CO - Requests alterations to slide valves of dynamo engine. L 4-4 To- Reqts that yd take steps to make effective changes auth. 4-17	
280403	1-27	CO	Repairs to megger testing apparatus. L/	
288899	3-8	CO	Request authority to turn in Ardois set. L To- Auth granted to turn into store Ports two Ardois sets complete installed on vessel. 3-20	
305799	5-9	CO	Fwds lists of spare parts for generating sets. L	

NB—0120

[OVER.]

SOUTH DAKOTA: LIGHT & POWER. 1912

Number.	Date.	From or To—	Subject.	
70160	4-15	CO	Fwds report on accident to No.1 dynamo engine.L	
75698	7/11	C.O.	S: readiness for battle, reports defects. spare searchligh mirrors, etc	408--8
~~80154~~	~~9-30~~	~~CO~~		
77267	8/1	C.O.	Alterations, alter elec. control of searchlight to hydraulic or mechanical.	408--8
79469	10-4	M.Is	Mechanical control searchlight; not yet purchased; shall work be continued. L. TO -- do not purchase. 10-7	
80154	9-30 10-5	CO M.Is 9313	Repair rheostat main switchboard.L	
82817	10-30 11-9	CO M.Is 10451	Repairs gen sets.L.	
			1913	
87863	1/2	C.O.	Reports on readiness for battle, Require additional searchlight mirror.	408--8
90651	2/26	To Dept	Re equipping searchlights with distant control 749	

N.S.E. Form 134.

SOUTH DAKOTA: LIGHT & POWER. 408---5

Number.	Date.	From or To—	Subject.
102024	7/21	To M.Is. T	Distant searchlight control; installation; instructions.Y
103036	7-15 7-31	CO M.Is	Searchlight control; installed.L
111576	11-24	CO	Install control for searchlights, additional cargo light. L To---no change at present time.12/4
			1914
140945 VOID	11/13	CO	Reqt authority to transfer a charge for one ice machine from Title B to Title Y on allowance.R
140945	11/13	CO	Supply and install blinker signal system.L To M.Is--Authorized. 12/5
			1915
144272	10-14 12-30	CO M.Is	Install mechanical distance control for searchlights.L To M.Is-- Disappvs estimate: fwds prints with reqt that estimate be submitted for manuf. 1/15
155322	5/12 5/13	CO Fac Res Flt	Reqt official mechanical control for searchlight.L Fwd M.Is-- Reqt est an. 5/29 RB 7/6
158531	6-11 6-18	Pug.Sd S&A	Lamps for blinker control; asks type to issue.L Fwd S&A--Under schedule 6938. 6/23
172790	11-19	M.Is	Mechanical distant control for searchlights; fwds plan. L Fwd C&R--Appvs plan. 12/10 RB 1/15

NB—0120

[OVER.]

SOUTH DAKOTA LIGHT & POWER SYSTEMS 1

FILE No.		From or To— (Dated)	Subject.	
31847	2/17	To M.Is.	ILLUMINATING SETS: submits estimated cost for installing in accordance with latest specfs	733
33900	3/18	M.Is.	ILLUMINATING SETS: prints showing modifications	733
36689	4/10	C.O.	S.DAKOTA: reqt repairs to main engines: pipe, Gen. sets, telephone circuits, etc	408--8
42559	6/21	M.Is.	CALIFORNIA: MARYLAND: searchlight panels: rel secondary turrets.	147--5
43857	7/6	M.Is.	ILLUMINATING SETS: submits estimate for installing.	733
44452	7/8	M.Is.	SEARCHLIGHTS: reqt auth. to install 36" on sched. 2584 on:	708
44838	4/10	C.O.	Repairs: to main engines, boiler doors, searchlights, armatures, gen. sets	408--8
46552	8/17	M.Is T	Time firing device: reqt. authority to alter to 8 in lieu of 6 numbers. L	408-4
49333	9/8 9/14	C.O. M.Is	Installation of lights and wire removed in connection with C&R work.L	
50714	9/19 10/3	C.O. M.Is 9639	Repairs to night signal set.L.	
53151	10/3	M.Is.	CALIFORNIA: MARYLAND: re shifting location of ventilating blowers from vicinity of battle compass; necessary wiring changes.	147--5

NB—0120

1912

408-6 Aurora

~~SOUTH DAKOTA~~: RADIO

1921

6

Number.	Date.	From or To—	Subject.
574311	7/13	~~Reqst~~ To S&A #8128 Surards	Reqst shipmt of arc Chamber from Washn to Cavite W RB 11/29 W
593023	9/24	CO	Request vessel be placed on mailing list for circulars on radio issued by Bureau Standards. W. To CO- Gives Action 11/16
		1922	
646001	10/21	To CO	Alteration of model "E" Receiver- Gives Action taken W

4—3381

Number.	Date.	From or To—	Subject.	

408 - 6 Huron

-1919-

5

~~SOUTH DAKOTA~~ S&A: RADIO.

~~DUPLICATE~~

Number.	Date.	From or To—	Subject.
444769	9/9	Bost	& GREENE Curves of radio compass installation. (Cross to GREENE-6) 266-2, Radio.
461864	10-20 10-28	CO Asiatic Fleet	Rqst vessel be furn with 1 long wave wave-meter. To CO- Reqts appvd. copy to C-C ASIATIC W FLEET. 12-12 To S&A- Reqt shipment wave meter from Wash to CO. W 12-15 RB-9;15-Y
		1 9 2 0	
466111	12;28	CO T	Request spare magneto coil for arc set be furnished.W CO-T-converter magnet coil-1;2 To(T)- 16328 not understood. Is convertor magnet coil or some small solenoid coil desired. 12-31 Washn-2;9
504792	7-14	To S&A	Reqst shipmt of apparatu from Washn to CO 3675 W. Cross to26X6
511516	8;14	Asiatic Fleet copy	Recommends complete accepter rejector equipment be furnished for installation on.W To Asiatic Fleet (T) Acceptor rej recg eqpt being shipped from Washn 9-20.
517999	9-20	To S&A	Reqst shipmt of app from Washn to CO 4445 W.

4—3381

408--6

N.S.E. Form 134

Huron

~~SOUTH DAKOTA~~ RADIO 1920

Number.	Date.	From or To—	Subject.	
520616	10-4	To S&A	Reqst shipmt of app from CO to Washn 4649 W.	
529861	11;16	Cavite copy	Request shipmt of radio material listed from Western Elec Co for Ins~~t~~ln on W	
		To	S&A Reqst shipmt of App from Brook to CO	5267 11-22
529861	11;16	Cavite copy	Reqt shipment of radio material listed from Western Elec Co ~~xx~~ for installation on .W	
574311	7;10	Asiatic Fleet copy	Reqt arc chamber complete be fwded.W	

See card 6

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[OVER.]

SOUTH DAKOTA: RADIO 1919

Number.	Date.	From or To—	Subject.
435647	7-29	To S&A	Reqt shipment Sound-proof booth, compass coils from Phila to Ports. W-RB-8;14 S&A 7;30 o CR & TR Force Hob ken-Fwds copies of correspondence re radio alterations. 8-2
435648	7-29	To S&A	Reqt shipt transmitting sets, compass sets, control boxes etc from Wash to Ports. W-RB-8;14 Ports - 8/4 To Ports- Instruction booklets in course of preparation and will be fwded at later date. 8-11 Norf (T) reqst action -8/19
Ports-T-asks if plans on hand shall be used. 8;15 Norf (T) 8/18 To Ports-Make motor buzzer installation similar PITTSBURG. 8-16			
435650	7-29	To S&A	Reqt shipt storage batteries, booths, phones etc from So. Brook to Ports. W R B 8/13 S&A-8;8
435652	7-29	To I.M. Ports	Installation of radio apparatus. Lists same auth. W copy to CO. Ports (T) ask if pneumatic tubes are desired - 7/31 To C&R- Reqts action. 8-4 - RB-8;14 To S&A- Reqt shipt transmitting sets from Boston to Ports. 8-4 -RB-8;21
To S&A- Reqt shipt short wave meter from Wash to Ports. 8-5 -RB-8;21 ~~Ports Qstr 10 reqt as date of completion of work. C&R-8;7~~ C&R-8;7 C&R-8;11			
436640	7;31	CO	Request complete new spark transmitter be supplied. W To C&R- Lists work reqtes expedite. 8-8 To Ports(T)- Spark set expressed from Boston 8-6th. etc. 8-7 copy to CR & TR Force Ports-copy-reqt action relative to new spark set. 8;6

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
Wash 993	To S.O.	Pug.Sd	Inform type of transmitters supplied to PUEBLO HUNTINGDON & SOUGH DAKOTA. LS	629
435652	8-15	SEE OVER	Fwd C&R. Alterations. W CO (T) reqst installation of short wave receiver be authorized - 8/19 To CO (T) - material will be shipped today-8/20 W	
To S&A-radio apparatus-from ~~xxxxxxxxxxxx~~ Washn to Ports-8;272 -RB-9;3 Ports-gives list of receiving equipment parts turned into store.9;4				
435274	7/25 7/30	Ports	(T) Asks if present arc set will be retained 408-8 Booths and motor buzzer transmitter should be devld at once- W Ports- (T) recommends old spark set be replaced - 7/31. W	
435648	8-18	SEE OVER	To Ports (T)- Make motor buzzer installation similar PITTSBURG. etc. W To Norf(T)- Buseng 13016 cancelled. 8-20	

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[OVER.]

1917

SOUTH DAKOTA: RADIO.

Number.	Date.	From or To—	Subject.
244014	8/16	To CO	NSE 25-B and Bu records differ. Reqt further information. W CO--9/28.W
259749	10/12	CO	Request curve sheets for wave meters - W. To Washington- Reqts fwd above sheets. 11-12 Wash 1/2 - W
264105	10/31	CO	Wave meter on board ship K & C type - asks from what ship recd - To- In letter of 4/18/16 Bu auth issue of to SOUTH DAKOTA. 12-1
265448	12-4	CO	Request authority to turn receiving control board into store. W To- Reqt granted/ 12-10
290963	3-14	Puget Sound	Radio apparatus - fwds calibration. W
292936	3-27	CO R	Asks if can install radio compass at this time. W To- Compass to be fwded as soon as some minor difficulties are overcome. 4-3

NB—0120

N.S.E. Form 134.

SOUTH DAKOTA: RADIO 408 -- 6

Number.	Date.	From or To—	Subject.	
298857	4/18	To S&A	Reqt shipt of Audion B battery from Wash to. W	
317908	6-19	To S&A	Rqst shipmt radio apparatus from Wash to C O W R B 10/21	
328369	7/6	CO	Alterations to radio set and room - W ~~Atlantic trans Force 8/12 - Duplicate repair list~~	
347924	9/6	CO	Repaird to radio apparatus - W	
413983	4-29	To S&A	Reqt shipt medium wave receiver from Wash to CO. W. RB 6-16 CO - 7/24	
418141	5-15	To S&A To S&A- Reqt shipt audion control box from Wash to CO. 6-17	Reqt shipt audion control box from Wash to Ports. 5-15 W RB 5:31 CO req. auth. to keep both audion control boxes 6:10 To CO- Reqts to retain on board the present DeForrest Filter type audion control box not appvd. copy to I.M. Ports and S.O.Ports.6-17	
435739	7/28	Ports Copy 632-1	Reqst Lt Com. J. B. Will be ordered from Bost for consultation in connection with radio installation on - W	

NB—0120

[OVER.]

1916

SOUTH DAKOTA: RADIO.

Number.	Date.	From or To—	Subject.	
208118	12/4	Pac Flt	& FREDERICK; reports on inspection of radio.W To Pug Sd--Reqt est and rec for putting wave changer in efficient working order. 12/20 Pug Sd wave changer of obsolete type; request authority to install new 1/18. To--Have previously auth install. 1/26 M Is have no record of 1/23	
209803	12-20	Co	Request authority to turn in Deforest amplifier.W Fwd S&A--1/2 S&A states papers were forwarded to CO 2/8 S&A original papers not yet returned 3/16	
211943	1-9	CO	20 kw arc set; request 6 wire cable from radio room to conning tower.W Fwd Pug Sd--1/23RB 2-21 To Pug Sd--Disappvs install. 3/3	
213464	2-29	CO	Reports transfer of IP76 receiver to PITTSBURG.W	
213389	2-4	Pug SD T FREDERICK	& SOUTH DAKOTA: request Bureau take steps to secure 20 kw arc sets. Pug Sd proposed assignement of sets. 2-5	280-6
218347	3/16	Pug Sd R	Asks if Bu can supply long wave, Navy standard, receiving sets; gives dates of completion	280-6
219242	3/24	To S&A	Reqt shipt of long range receiving set from Wash to. W	

1917

1917

N.S.E. Form 134.

408--6: SOUTH DAKOTA; RADIO.

Number.	Date.	From or To—	Subject.	
120 S F	3-27	M Is T	Can complete test of ship set for SOUTH DAKOTA 10 days after delivery.	629
220629	4-2	S&A	Radio set; M.Is directed to hold.W.	
220671	3-31	Operations	Instructions relative to stopping at M.Is for 20 kw arc set. W Pac Flt (R) will proceed M Is as soon as complement is received 4/9 To Pac Flts--Ask if ship will be directed to M.Is. for installation arc apparatus. (T) 4/7	
221406	4/6	Pug Sd R	Request authority to retain additional portable field set.W To--(T) Instrns.4/10 Pug Snd - Gives name peate data - 5/9 W	
221875	4-9	Pac Flt	Will proceed M.Is for installation radio set.W.	
224624	4/19	Pug Sd	Request key in conning tower for auxiliary battle station.W To--Appvs est.4/28	
226184	4/3	M Is R	Request long range radio receiver W To S&A--Reqt shipt of.5/5	
226834	4/26	Pacific Flt	Reports on inspection of radio apparatus W To--5/9	

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[OVER.]

1915

SOUTH DAKOTA: RADIO:

Number.	Date.	From or To—	Subject.	
161655	7-26	To CO Via M.Is.	Telefunken receiver type KAHF No.1199; turn into M.Is for further disposition.W	
162414	7/16 7/26	CO M Is	Reqt condensers for radio set.W To CO--Submit reqn for 8/6	
163264	8/11	MICHIGAN	Reqt authority to retain Telefunken quenched spark gap; ex-SO DAKOTA, as spare	286-6
170003	10-19	M.Is	Telefunken receiver received from; asks disposition of; recommends be surveyed and used in Radio Laboratory.W To--Auth repairs to. 11/5	
174177	12/13	M Is	Telefunken receiver turned in by; reqt instructions re ~~acc~~ disposition.W	
			1916	
176085	1-7	C(	Request authority to turn in obsolete Leyden jars.W To Via M.Is-- Appvs. 1/14	
178291	2-3	CO	Request portable radio set.W To--Unable furnish owing lack funds 2/11	
180923	2-29	M.Is	Alterations to radio installation; submits estimate. W To--Authorized. 3/8 Fwd C&R-- 3/9 RB 3/11 To C&R--Ventilation of radio stations; re removal of gases given off from leyden jars when appratus is in full operation.W 3-9	
184443	4/6	M Is	Arc radio sets; submits plan and estimate for enlarging radio room	280-6

N.S.E. Form 134.

SOUTH DAKOTA: RADIO 408-6

Number.	Date.	From or To—	Subject.	
187391	5-4	Pug Sd	Radio installation; reports on progress.W To--20 K.W. arc radio set under contract 287 will be assigned to. 5/17	
192958	7-8	To SAN DIEGO.	Directs 1/4 K.W. portable set be transferred to SOUTH DAKOTA; radio set type D will be retained. W Pac Flt (T) appeals against transfer portable radio set to 7/25 SAN DIEGO set now aboard vessel 7/25 (T) To--(R)Retain radio set. 7/25	
192223	7-12 To M.Is.--Instrns. 4/2 (T)	To S&A.	Reqt shipment arc radio set from M.Is to Pug Sd for. W To Pug Sd--(T)Reqt cancelled. M.Is. will make install.4/2	
193458	7-14	To S&A.	Reqt shipment portable racio set from Wash to Ship. W	
194829	7-28	To M.Is.	Directs portable field radio set at San Diego exposition be issed to SOUTH DAKOTA when appratus is retd upon close of expedition. W	
196146	8-111	To S&A.	Reqt shipment ultra-audion detector and bulbs from Wash to CO. W	
198408	8-25	M.Is	Audions; reqt auth to assign one in stock	898
202445	10/10	Pac Flt	20 kw arc sets; request be installed on	342-6
205504	11-6 To via C&R--Appvs install with modifi to plan. 11/27 Fwd C&R--11/27	Pug Sd	20 kw arc set; fwds plan and estimates.W Fwd C&R--Plans satis.tgBu. 11/17 RB 11/22 C&R proposed arrgt satis 11-18 Fwd Dept--Rec appvl of install. 11/21 RB 11/23	

NB—0120

[OVER.]

408---6 408-6

1

SOUTH DAKOTA: WIRELESS.

Number.	Date.	From or To—	Subject.	
No #	9/1	To C.O.	Reqn.80. Transposing switch cannot be supplied without further information as to purpose to be used.W	
49031	9/20	TO CO	Listening in key; have approved reqn. although same was desgined for shorestations.W	
54881	11/17	C.O.	Reports on wireless tests.W	
			1912	
			1913	
86978	1/1	CO	Fwds description.W	
108307	10/20	To NY,M.Is. & A&S	Lowenstein radio set, shipment to M.Is. for installation on either Cal. or S.Dakota.	147--6
112273	12/9	To M.Is.	Radio set removed to be held for further issue: request estimate for putting in repair: desired to install on MARBLEHEAD.W M.Is.12/17 (T).set ex-PITTSBURG in bad condition.W (-)to M.Is. assignment Tr.Sta.set ex SO DAKOTA satisfactory.12/17	
113733	12-19	M.Is 13016	Submits estimate for installing Lowenstein radio set.W	
			1914	

NB—0120

N.S.E. Form 134.

SOUTH DAKOTA: 408-6

1914

Number.	Date.	From or To—	Subject.
114107	12-31	CO	Fwds semi-annual report radio set, Lowenstein.W Fwd NY. for comment.1/5 RB 1 21 Ret---via Pac.Res.Flt.1/21. RB 2 5
120088	3-9	M.Is	Radio plant; fwds description and prints.W
121269	3-20 3-27	CO Pug.Sd 15863	Re installing hot wire ammeter. W To Pug.Sd.appd.4/1.
129102	7/6	To CO T	Authorizes loan portable radio apparatus to Fourth Marine Regiment at discretion.W
142866	12-14	M.Is 13752	60' wodden top mast; submits estimate.W. Fwd C&R--SE work authorized. 12/29 C&R have auth 1-6
		1915	
154157	5-3 5-5	Crocker Wheeler Co. S&A	Relative to armature for radio set.W (See 153066-882-3)
158069	6-16	To CO Via M.Is.	Telefunken radio receiver reported as not in use will be turned in at M.Is. W
159220	6-24	Pac Reserve Fleet	Reports transfer of detector stand from WEST VIRGINIA. W To-- Satisfactory. 6/30
159769	7-6	Pug.Sd	Radio calibration; fwds data sheets. W

NB—0120

[OVER.]

#408--7 208

S.DAKOTA SIGNALS, underwater

FILE No.		From or To— (Dated)	Subject.	
28090	12/17	M.Is.	SIGNALS, sub. rel installation	711-3
53227	11/8	Sub.Sig. Co	SIGNALS: fwds bill for balance due on #53 Cont.	711--3
			1912	
			1913	
			917	
222522	4-12	Sub Sig Co	Fwds inspection report.L Fwd CO--For report.4/16 RB 4-28 To Wash--Rec payment.4/30	
472	10/4	To Norf	Returns all copies of reqn covering material for for revision. LR	
279763	2/2	CO	Fwds report inspection of submarine signal apparatus.L wd Washington D. C. 2-12	
451438	5/7	To SOUTH DAKOTA	Reqst fwd description of apparatus reported from CO of 3/3 W	797

NB—0120

SOUTH DAKOTA: MACHY PLANT:

Number.	Date.	From or To—	Subject.
511521	5;5 8;12	Asiatic Fleet M&S	Submits report on efficiency inspn.Y fwd Operations via Ordnance 8/16
518180	8;13	CO	Proposed itenerary.Y
528427	11;9	Dept delay	Copy of telegram to Asiatic Fleet authorizing docking of vessel until repairs are completed.A
531766	11;29	Asiatic Flt copy	Vessel left Manila for Olongapo.A
541873	1;21	CO copy	Repairs completed at Cavite.A
562613	5;7	Dept	Copy of letter to Asiatic Fleet stating cannot assign light cruiser as relief for HURON.Y
566187	~~5;25~~ 4;1 5;25	CO Dept	Report of matl readiness.Y Fwd Operns via Ordn C&R Med & Surgy 5/28
585743	9/13	Operations	Military inspection- fwds report. Y Fwd Navign S&A Med & Surgy 9/23

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N.S.E. Form 134.

SOUTH DAKOTA MACHRY PLANT 1921

Number.	Date.	From or To—	Subject.	
592253	9/17 10/24	CO C&R	Special report on material readiness. Y Fwd Operns 11/4	
639199	7/1 8/24.	CO C&R	Submits report on matl readiness Y Fwds Operns via Ordn 9/23	
642500	8/21 9/22	Asiatic Fleet C&R	Submits report of efficiency inspection Y Fwds Operns via Ordn Navign- S&A- Med & Surgy 10/6	
653789	10/8 12/15	CO C&R	Submits report on material readiness Y Fwds Operns 12/22	

SOUTH DAKOTA: MACHY PLANT:

Number.	Date.	From or To—	Subject.
439634	8;14	Ports copy	Vessel docked A.&Y
441103	8;21	Dept	Vessel will sail after Sept 1st for Asiatic Station.Y
441477	8;21	CO	Submits report of inspection of matl of engrng dept.Y
441643	8;23	Dept	Copy of telegram to Cruiser Force assigning SOUTH DAKOTA to CAVITE and PUEBLO to Ports.Y
442275	8;26	Ports	Submits list of patterns turned in to store on August 26th for shipment to Cavite.Y To Ports- Desires prop hub and hub cap patterns go to Asiatic for S D 8/29
Ports-copy of letter relative to transfer of propelling patterns from Ports to Cavite.9;3Y			
442029	8/28	To SOUTH DAKOTA Phone 9	CO asks if crank shafts could be shipped by collier; Bure informs transfer to Operations as under cognizance of Y To Ports-Phone in re to transportation of material on hand for South Dakota 8/27 cc to Ports & SD
442991	9;1	Bd Inspection	Material inspection fwds report.Y

4—3381

N.S.E. Form 134.

408 - 8

Number.	Date.	From or To—	Subject.
457489	11/12	Asiatic Flt Copy	Vessel will complete repairs at Olongopo 12/1.
459193	11/20	Ports	Copy of letter to Cavita fwding tracings and prints listed - Y
		1 9	2 0
466816	11;24	CO	Submits list of machinery prints missing request be replaced.D To- Fwds machinery plans. 1-8
474578	2;5	Norf	Lists patterns turned into store which should be fwded to Cavite.Y
498946	6;8 Fwd Dept -yd & Docks -Solicitor 7-7.	Dept via S&A 299-8 320-8	Cruiser SOUTH DAKOTA changed to HURON-MONTANA to MISSOULA and NORTH CAROLINA to CHARLOTTE.K Ord-fwds Depts letter re changing of names of S.DAK MONTANA & N.C.to HURON MISSOULA & CHARLOTTE respectively.A
499858	4;7 6;15	CO C&R	Report of material readiness.Y Fwd Operns 6-17.
510686	8;7	Asiatic Fleet copy	Request authority to defer next docking of vessel until service permits.Y

[over.]

408-8

SOUTH DAKOTA: MACHY PLANT

8

Number.	Date.	From or To—	Subject.	
408818	4/5	Dept	Copy of let. ports. giving instr in connection with procedure of work on ~~BITTSBURGH~~ SOUTH DAKOTA AND SAN FRNACISCO PADUCAH A.	342-8
414472	4:23 4:28	At Cr C&R	Submits report of matl readiness for war service Y Fwd Operations via Ordnance. 5-9	
420438	5-14 5-22	CO C&R	Request true up pins and renew brace of main engine. Install radiators in sea-men's quarters, etc. D&Y	
427647	6;23	Dept	Instr. in connection with holding matl insp Y To Bd I&S- Fwds correspondence. 7-17 Bd Insp - returns correspondence - 9/10	
429095	6;27	Phila	Req. prts of crank shaft forging for San Diego and SO. DAK. d To E.O. Phila-Fwds prints.7-2	
429428	7-3 CO 8;5	To CO	Release fro Troop Transport Duty. Directs Removal of all Special SE material with the exception of extra lights and turn into store. Yo	

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408-8

N.S.E. Form 134.

SOUTH DAKOTA: MACHY PLANT

Number.	Date.	From or To—	Subject.	
299487	4/8 5/20 5/21	Panama Canal Fwd Atl Flt RB 5/25 TO S&A RB 5/28	PITTSBURG SOUTH DAKOTA FREDERICK lists matl in store canal zone for Y/ To MI Inform what matrl consists of To Matl for PITTSBURG and req hold 22RB 5/18 To S&A List matl at Canal zone and req issue inspr for shipt to Ports New Hampshire 5/9 Fwds ports 5/10. M Is req. Pitts be instr Re disposition 5/13 PUEBLO give list of repairs reqstd. A.	280-8 342-8
431786	5-23 7-2 7-10	Atlantic Cruiser C&R Ord	Report of material readiness for war service. Fwd Operations. 7-14	Y
435002	7/24	Ports Copy 495	Submits report of minimum work and estimated time to repair and fit out vessel for duty as flag ship Asiatic Station - Y Dept-request issue instrns as to work to be performed. 7;25	
2 435274	7/25	Ports T	Reqst to proceed with alterations to fit ship for duty as flag ship Asiatic Sta. -Y To Comdt Ports-(T)-Lists radio installation to be made on. copy to Comdr CR & TR Force and Commanding Officer. 7-26 Ports 7-30 (T) Asks if present arc set will be retained- Booths and motor buzzer transmitter should be delvd at once- W Ports - (T) recommends old spark set be replaced - 7/31 - W To Ports(T)-Letter mailed 29th. Retain arc set.no record new spark set needed.Why is new spark set needed etc. 7-30 Ports-T-request action.8;4 Fit Supply Base (T) antenna parts shipped 8/13 - 8/16	

To Ports(T)-Radio compass coil and house and one sound proof booth for S D expressed from Phila 7-31. 8-1

To Ports(T)- Antenna equipment expressed from F S B 8-13th. 8-16

Ports (T) are overhauling and reinstalling old antenna equipment- 8/22

To Ports - delay in receipt of antenna due to strike NY N Haven & Hartfd RR-8/25 W

SOUTH DAKOTA: MACHY PLANT. 1918

Number.	Date.	From or To—	Subject.
336317	8/7	CO	Repairs to switchboard - alarm gong, lights indicators - etc - Y
337102	8-7	CO	Repairs to valve stems, crank shaft and steel pipe - Y
337103	8-7	CO	Repairs to engines, laths, boilers - Y
336247	8-15	To C&R	Fwds letter from CO, L To NY, Re approval of repairs, 8-15
367044	10-1? 10-23	CO Dept	Material ~~in~~ readiness for ~~wiring~~ Wav surface Y Fwd Dept., Via Nav, 11-11.
372244	11-26	To Norf	Outstanding work on, Y Norf. report of work 12;26 Fwd Ports 1/2/19 RB ~~xxx~~ 1-27-19

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N.S.E. Form 134.

SOUTH DAKOTA: MACHY PLANT. 408 - 8

Number.	Date.	From or To—	Subject.	
392549	2/6	Atl Cruiser Copy	Ship proceeding to Ports - will leave 2/19 - A	
395992	2-18	To Ports	Outstanding job orders at NY and Norf.	
Fwd I.M. Ny via		I.M. Norf. 7-1-RB-7;21	If any fo the work in the weekly report of work is found necessary it is auth at Ports. Upon departure of vessel advise work undertaken so that orders may be cancelled on NY and Norf. copy to CO IM. Norf and I.M. Ny. Yo R B 6/30	
397655	2;25	Dept	Home Yd. changed from Norf to Boston Y To I.M. Ny - Reqts retain spare propellers at NY pending further instructions. 2-27 copies to I.M. Norf- Comdt Boston- S.O. Ny CO. and operations. 2-27	
400599	3-6	CO	Repairs to Lubricating oil pumps main condensers valves etc. Y To Ports- Lists items auth to be done during present visit. Copy to CO.	
299487	4/9 5/20 5/21	Panama Canal Fwd Atl Flt RB 5/25 To S&A RB 5/28	PITTSBURG SOUTH DAKOTA FREDERICK lists matl in store canal zone for Y	342-8

4—3381

[OVER.]

1917

SOUTH DAKOTA: MACHINERY PLANT GENERAL.

Number.	Date.	From or To—	Subject.	
260718	11-15	To Pug Sd & M Is, Ports Operations C&R	Transfer of work to Ports from Pug Sd and Mare Island. Y To Pug SD-Gives further directions for transfer of job orders to Portd. 12-14	
264536	10/15	Pacif Flt	Fwds report of inspection of Fleet Engineer - Y Fwd Dept-12-4	
264771	11/13	CO	Repairs to ice machine, dynamo engine, pump, indicators, piping etc - Y	
268376	12-18	Ports	& FREDERICK: SAN DIEGO: HUNTINGTON - request complete sets of machy plans - D	147-8
280402	1-27	CO	Modification to boiler sets install telephones. Y. To (T) - Items one and ywo appvd. 4-2 CO (T) request notice of action taken - 3/30-Y Ports-reqt verification of ship Ports - (T) can furnish telephone furnished mentioned Bu's message 11th. 4/11 in excess for MONTANA 4/4 - L	
280679	1/21	CO	Request repairs to valves, pumps, time firing devices, evaporators. Y	
283946	2-23	Cruiser Force T	SOUTH DAKOTA - ordered to Ports about Feb 25th, for repairs. A	
299487	4/9	Panama Canal	Pittsburg South Dakota Fredrick - lists material in store canal zone for/ Y	166-8

N.S.E. Form 134. 408 - 8

SOUTH DAKOTA: MACHINERY PLANT GENERAL.

Number.	Date.	From or To—	Subject.	
287480	3-8	Operations	Repair limit April 15. Y	
288306	3/6	CO	Repairs to pumps, dynamometers, etc. Y	
295553	3/30	CO	Request repairs be authorized (no lists attaged) - Y	
296446	2-12 4-6	Panama Canal S&A	& FREDERICK - fwds bill for work done. K Fwd S&A 4-12	
328366	7/17	CO	Repairs to engines, lathes, boilers, distillers, etc - Y	407-8
321455	6/29	To Chasm	SANTIAGO & SOUTH DAKOTA-F ds vandyke prints-complete set vandyke prints of machinery of the vessel	689-771

4—3381

[OVER.]

SOUTH DAKOTA: MACHINERY PLANT: GENERAL. 1916

Number.	Date.	From or To—	Subject.	
191162	6/13	Pug Sd	WEST VIRGINIA undocked June 13th; SOUTH DAKOTA follows	477-8
200394	9-23	Operations	Fleet requested to name date wen available for repairs.Y	
200541	9-28	Dept	Material inspection to be held Puag Sd. Y To Bd I&S--No correspond re engineering work on which action has not been taken.10/10	
200831	9-26	Pug Sd Cross 10	Tubes of two boilers and 2 auxiliary condensers requ re renewing. Y To--(T) Obtain material from M.Is for repairs; wire if add material required.10/4 Pug Sd gives boiler material required 10-10 To--Bost shipping two 3,500 boiler tubes. 10/12 To S&A--Reqt shipment of two 3,500 boiler tubes from Bost to Pug.Sd. 10/12	
2				
203350	10-9	Dept	Military inspection.W Fwd Dept via C&R Ord S&A M&S--With comment on boiler retubing. 10/30 ~~RB 11/17~~	
209492	12/22	Pug Sd T	Request approval for certain items, report Bd I&S prior to receiving estimates .Y Fwd Dept--12/27 RB 12-29	

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N.S.E. Form 134.

SOUTH DAKOTA: MACHY PLANT. 408-8

Number.	Date.	From or To—	Subject.	
210494	12-30	Pug Sd	Report of board survey and estimates.Y To--Ests excessive. Reqt details of. 1/18	
210494	12-?	Bd I&S	Material inspection. Y Cuplicate from Bd I&S; particular reference to condition of boiler pitting Fwd Dept--1/15 Fwd Dept--With detailed recommendations. 1/19 Pug Sd submits estimates 1/25 To Pug Sd--Fwds Corres giving action. 1/30 To Pug Sd--Appvs ests. 2/1 Pug Sd & HUNTINGTON in view of disappvl, plansand estimates for radio compass will not be made up 2/27	RBI-30
213462	12-12 1-29	CO Pug Sd	Request repairs to steam gages, and pneumatic hammer.Y To Pug Sd--Work auth. 2/6	
208320	3-2	CO	Request misc machy plans to replace those worn out.D. To--Fwds blue prints as listed. 3/21	
218056	3/20	To Pug Sd T	Directs furnish ship any material urgently needed for repairs. Y	408-21
222844	4/10	Pug Sd	Fwds machinery plans .D	
224720	4/24	M Is	Ready for sea 4/26 Y	
259902	11-10	To Dept	Designation of temporary repair yard. Y	

NB—0120

[OVER.]

SOUTH DAKOTA: MACHY PLANT.

1914

Number.	Date.	From or To—	Subject.	
135190	9-24	Dept	To be overhauled at M.Is in lieu of Pug.Sd. Y	
136655	10-1	CO	Sub its list of repairs to be done by ship force.Y	
136731	10-3 10-12	M.Is C&R	States certain galley work auth by SE under C&R. Y To M.Is Via C&R-- Cancels previous auth. 10/14	
137130	10/16	Dept	Repair limit Dec. 31st	774
140791	11-9 11-30	CO Phila	Repairs to searchlight, motor generator, oil filters, flat iron,etc. Y	
143024	12-24	Dept	Repair limit Jan 12.Y	
151993	4/10	Dept	Or CHARLESTON: asks suitability for relieving SARATOGA as Flagship, Asiatic Sta.Y To-- Rec CHARLESTON in preference to SOUTH DAKOTA. 4/10	
153134	4/12	C&R	& CHARLESTON: relative to availability to replace SARATOGA; directs in future when work is recommended by Bu that Dept's special attention be invited to the fact that such work is necessary for the safety of the vessel and should be undertaken before vessel goesto sea	153-8

1915

NB—0120

N.S.E. Form 134.

SOUTH DAK: MACHY PLANT 408-8

Number.	Date.	From or To—	Subject.	
153973	4-27	Dept	Report of inspection. Y Retd Via Ord-S&A-- Noted 5/5	
159628	6-23	CO	Reports methods taken for care, maintenance, operation of ice machine, distillers,. Y	
169346	10/16	Dept	Military inspection; fwds report.Y Retd Via C&R-Ord-S&A--Noted. 10/26	
			1918	
176099	1-12	Dept	Will be retained with fleet until Feb 1. Repaies at M.Is to start that date. Y	
179493	2-18	Dept	Repair limit Apr 6	
186185	4-28	Dept	Repairs air compressor, and other urgent repairs. Y	
187074	5-6	Dept	Repair limit May 2 7	
187198	5-8	Dept	Repair limit May 27	
188866	5-12 5-18	Pug Sd Dept	List of work beingunder undetaken.Y Fwd Dept--Noted. 5/25	
190452	6-9	Dept	Copy of instructions to Pug Sd to complete repairs to propeller shafting,etc by July 4.Y	

NB—0120

[OVER.]

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1912

Number.	Date.	From or To—	Subject.
77269	8/1 8/26	CO M.Is. 8130	Repair main condenser, bilge pumps; lag main boilers; repair uptakes, etc. Y (T-To M.Is. auth. see 77267) Fwd Dept 10-5 RB 10-9
78547	8-1 9-10	CO M.Is 8618	Repairs main engine, shafting, reversing engine, side and cross boxes main boilers, refrigerating plant. Y To M.Is Instructions.10-5
78555	8-23 9-10	CO M.Is 8616	Repair main engine, renew 4" tubes of boilers.Y To M.Is. appvd.10-5 M.Is. corrects.10-11
78597	9-4 9-12	CO M.Is 8667	Repairs to piping and distillers.Y To M.Is. appvd.10-5
82496	10/26 11/6	CO M.Is. 10404	Repairs to compressor, crosshead ice machine, ice machine boxes, and lagging main boilers Y
86507	12-17	CO	Report of new CO.Y Fwd C&R.1/4.

1913

87863	1-2	CO	Reports on readiness for battle. Y Require additional searchlight mirror. Y Fwd Dept.1/21.
87925	1-17	CO	Report of new CO. Y Fwd Dept via Ord.1/20.

N.S.E. Form 134.

SOUTH DAKOTA: MACHY PLANT. 408-8

Number.	Date.	From or To—	Subject.	
106778	9-16	CO	Alterations to blower engine, main boilers, change location of evaporator traps, install new Warren pumps in fire room.Y Fwd Mare Is.for est.and rec.10/10. RB 11 5 Fwd Dept.with rec.11/11 RB 11 13 To M.Is.instructions.11/14	
111459	11-28	Dept	Repair limit Dec 24.Y	
		1914		
120003	3-13	Dept 22397-83	Material inspection; fwds.Y Fwd Dept via Ord and S&A.3/16.	
129330	7-8	Dept	& WEST VIRGINIA: directs material inspection.Y	
129625	7/10	Dept	& WEST VIRGINIA; copy of instructions to M. Is. and Pug . Sd.	477-8
132917	8-24	Bd I&S	Material inspection;fwds.Y	
133404	8/14	M. Is.	Report of Survey and Estimates.Y Fwd Dept-- Recmns. 9/18 RB 9 22 appd To-- Instructions. 9/23	
134884	9-11	CO	Lit of repairs to be done by ships force. Y	
134929	9-19	Dept	Available for repairs Pug.Sd.Y	

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[OVER.]

Number.	Date.	From or To—		Subject.	
43163	7/8	M.Is.		& CALIFORNIA: reports inspn of machy, work required on boilers, evaporators, etc	147--8
43858	7/10	M.Is	6524	Estimate for suction piping, aux. feed pump, globe valve on steam drain line, valves for double effect evaporator plant, provide forced lubrication.Y To---Appd.8/10.	
44035	7/11	M.Is.		CALIFORNIA: report of Board on: S.Dakota: main engines, etc boilers.etc	147--8
44433	5/22 7/18	C.O. M.Is.	6805	Extend umbrellas on four stacks, change discharge of steam drain line, change design of device for turning down commutators. Y To M.Is. Appd. See 43858-408-8. 8/10.	
44838	4/10 7/21	C.O. M.Is	6925	Repairs to main engines, boiler doors, ash pans, pumps, piping, repairs to searchlight, armatures, gen. sets, etc.Y To M.Is. appd. See 43858-408-8. 8/10.	
45838	7/17 & 28	C.O.		Alterations to piping connections, fire main, aux. injections, counter bore, h.p. cylinder cover, true up corss head pins, followers valves, retube evaporator coils, and renew distiller discharge.D To M.Is. Appd.8/14.	
45874	7/17 8/3	C.O. M.Is	7281	Estimate for installation of pipe connections fire main, rebore h.p. cylinder, etc.D	
47285	8/18	M.Is	7942	Repairs to armature ventilator & blowers; install forced lubrication both main engines.Y Fwd C&R. 8/28.	

N.S.E. Form 134.

SOUTH DAKOTA: Machy.PLANT. 408-8

Number.	Date.	From or To—		Subject.
48252	9/6	C&R	21447-E.321	Repairs and alterations; submits corres; with M.Is. covering those under C&R involving S.E. Y-L Ref. Dept. approved 9/11
56741	11/30	C.O.		For 1912 Information
69430	4-5 5-20	CO Dept	22397-E.39	Reports on readiness for battle.Y-L Fwd Dept. via Ord.5/23.
70843	6-8	Pac.Flt	T	Speed trials discontinued due to breaking of valve stem,main circulating pump; stbd engine l.p. valve,stuck, windless engine needing repairs; gives result of CALIFORNIA speed trial. Y
75698	7/11 8/13	CO Dept.	22397-44	Readiness for battle; reports defects. Spare searchlight mirrors, propellers, steam winches, etc. Now enroute to Mare Island for repairs.Y Ref. Dept. via C&R do not desire to supply spares - are arrangeing to carry stock at Yards 8/16
76317	8/21	M.Is.	T	Requests authority to proceed with urgent repairs.Y To-(E) auth. 8/22
77122	8/23	M.Is.	8087	Submits total estimates of work on vessel.Y Fwd Dept.reqst appr.9/5. RRO. TO M.Is. asks date of completion 10-5
77267	8/1 8/26	CO Pug.Sd	8126	Alterations in water service line main engines, fit Johnston Nolan blow valves on all boilers, fit zinc boxes in injection sections. Alter elec.control of searchlights to hydraulic or mechanical.D T-To auth 9/9

NB-0120

[OVER.]

SOUTH DAKOTA: MACHINERY PLANT: GENERAL:

FILE No.		From or To— (Dated)	Subject.	
36689	4/10 4/20	C.O. Dept	Reqt. repairs to main engines; pipe, boilers, gen. sets, indicators, telephone circuits, etc. Y Fwd Dept via C&R. Rec appr. 4/21. RB 5-3a'ppd Fwd Dept. Item 29 should be applicable to CALIFORNIA. 5/4. RB 5-11a'ppd Fwd M.Is. 5/11. RB 6-17	
40326	5/28	Pac.Flt	Fwds reqt. for extending umbrellas on smoke stacks, change discharge of steam drain lines from channel way to main condenser in both engine rooms; change design for turning down commutators of 100 kw generator, etc. Submits prints. D&L	
41074	6/8	Dept 23397-24	Report of inspection held in April. Y To Pac.Flt. Reqst cutter machy data. 6/19. Fwd C&R. 6/19.	
41716	6/20	Dept	Quotes letter to Mare Island Yd. rel to repairs and overhauling; total cost not to exceed $200,000. including indirect expenses. Y	
41765	6/21	Dept	Available for docking and repairs for period of 75 days: installation of cage masts, rearrangement of bridges, and forced lubrication to be undertaken, in connection with other work. Y To M.Is. Instrns, see 41772-494. 6/22.	
43151	7/8	M.Is.	& CALIFORNIA: auth. alterations & urgent repairs to be completed 60 working days: except forced lubrications, 90 days. reqt instructions	147--8

Number.	Date.	From or To—	Subject.
508114	7-28	To PHILa	Reqst suitable corr be made re name of ship C.
		1921	
573926	5;26 5;28	CO Asiatic Fleet	Crack in starboard aft low pressure cylinder liners recommends new liner be cast.Y To Pug Snd Fwds prints 7/16 Asiatic Fleet- Rqst cancel recommendations to cast new cylinder lining. 9/21 Y To Pug Snd Gives instrns 10/21 Pug.Sd.- Ask if casting should be retained.11/14 Y To C-I-C Asiatic Fleet- GivesAction cc Pug Snd 11/26 RB 2/13 Y Pug.Sd.- Request disposition of unfinished casting. 2/10 Y To Pug Snd- Gives instrns cc C-I-C Asiatic Fleet- CO 2/17 To Pug Sd-cylinder should be kept in store at Pug.Sd pending reply from C-in-C Asiatic Fleet-2;20-Yd Asiatic Fleet- 2/15 Y To Pug Snd- Gives disposition of cylinder liner cc C-I-C Asiatic- CO 3/21
		1922	
602648	11/30 12/1	CO Asiatic Fleet	Cylinder heads of main engines- report cov discovery of crack in. Y

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

SOUTH DAKOTA: MAIN ENGINES: ETC.

1916

Number.	Date.	From or To—	Subject.	
197341	8/17	CO	Alterations to drains from steam seal packing on main engines. Y TO -- via Reserve Force; auth 8-24	
			1917	
211845	1-11	Pug Sd	Steam seal packing for main engine piston rod; fwds plans. D To--Plan appvd. 2/1	
259540	11-9	To S&A	Reqt shipt of one spare crank shaft from Canal Zone to Boston or NY . Y	
259539	11-9	To S&A	Reqt shipt 3 spare starboard propeller blades 4 spare port From Canal Zone To Boston or NY. Y	408-14.
261450	11-17	To Midvale Steel Co.	Fwds sets of blueprints of Crankshafts. D FREDERICK SOUTH DAKOTA SAN DIEGO. D Midvale Steel Co- relative to furnishing crank shaft - fwds sketch - D	280-9
326821	7/12	Phila	& SOUTH DAKOTA HUNTINGTON FREDERICK crankshafts-asks who will do necessary boring	147-9
Norf-1369	10/11	To Nor.	Asks if shipt cylinders for USS SO DAKOTA made.	629

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
367157	11-11	To Portsmouth	Reqts re above tto be manufactured at once, D	
35467	12/4	Phila.	SAN DIEGO & SOUTH DAKOTA. Status of crank-shafts. Y&RS.	629
35467	1/7	Phila.	Crank shaft forgings for SOUTH DAKOTA- delivery not yet made/ Y	629
422742	6;2	JAG	Report of Bd of Investigation to inquire into pumping overboard approximately 2500 gal. of forced lubricating oil Y Fwd Navgn. 6-4 JAG 6/12 Findings of Board. Y Fwd Navgn. 6-17	
429095	6/27	Phila	Req. prts of crank shaft forging for San Diego and SO. DAK. d.	408-8
442029	8/28	To SOUTH DAKOTA Phone	Co asks if crank shafts could be shipped by collier; Bur informs transfer to Operations as under cognizance of Y. To Ports- Phone in re to transportation of material on hand for South Dakota 8/27 cc to	408-8
463130	12;6	CO Fwd Olongopo. copy to CO.12-17	Spare main engine crankshaft-asks if should alter to be used for forced lubrication.D&Y	

NB—0120

[OVER.]

SOUTH DAKOTA: MAIN ENGINES: ETC.

Number.	Date.	From or To—	Subject.	
44327	7/12	M.Is 6595	~~Suggesti ons for change in forced lubrication fwds prints.D~~ To---Directs estimates and detail drawings be submitted.7/28.	
47119	8/18	V.C.O.	Repairs to bearing caps, etc. main engines in connection with installation of forced lubrication system. YD	
47285	8/18	M.Is.	Install forced lubrication both main engines	408-8
47492	8/18 8/23	C.O. M.Is 8105	Alterations to main bearing caps, etc.Y	
49172	9/28	M.I.	PACKING: L.P. piston rod: estimate for installing reducing valve to steam seal connection.	693
53668	11/7	M.Is 10980	Forced lubrication system; fwds prints of main engine casings in connection with together with statement of actual cost.Y-D	
56341	12/30	C.O.	Forced lubrication system; reports defects.D 1912	
58967	1/5	Pacific Fleet	LUBRICATION: fwds reports of:	683--4
73497	6/9	CO	Reports starboard engine disabled; will require new packing, and draw filing of valve chest and balance ring.Y	

N.S.E. Form 134.

SOUTH DAKOTA: MAIN ENGINES: ETC. 408---9

Number.	Date.	From or To—	Subject.	
77352	8/23 8/29	CO M.Is. 8135	Submits estimate and print for new piston rings for H.P. cylinders -- alterations from present pattern.D (T)to M.Is. Solid rings authorized.9/5.	
78329	9/11	M.Is.	PACKING, Cook's, estimate for fitting	693
79870	9-28 10-2	CO M.Is 9254	Alterations: installing steam seal connections to piston rod stuffing boxes in connection with Cook's packing.D. T - To M.Is. appd 10/10	
79874	9-26 10-2	CO M.Is 9302	True up l.p. piston follower.Y	
			1913	
90884	2-15	M.Is 2064	Estimate for overhauling spare crank shaft.Y	
102964	8/4	ToC.Lee Cook Mfg Co.	& Cal. req. forward to M.Is. vandyke of double metallic special steam seal L.P. rods packing.	147--9
110043	11-1	M.Is 11320	Spare metallic packing for h.p. piston rod; fwds reqn. and submits estimate for mfg at Yard providing Bu. waives instructions that all packing be purchased.Y (T)to---mfr of packing appd.11/12 To CO via M.Is.directs submit report after using.11/12	
			1916	
179386	2-10 2-17	CO C&R	Relative to using paint tanks for lub oils.Y Fwd C&R--2/19 To CO--Auth installation of tanks.2/19	

NB—0120

[OVER.]

FILE No.	From or To— (Dated)	Subject.	
35014 3/30	TO Pug.Sd.	Directs submission of estimated cost and time for installation of forced lubrication. D To M.Is. Auth. 4/5. Specns. not received. 5/8.	
37115 4/27	To Dept	CALIFORNIA & OTHERS: Rec approval of setting of receiver safety valves on steaming trials, 1st 135 lbs.,2d 50 lbs. D R.B. 4/28 appd.	147-9
38665 5/8	M.Is 4314	Forced lubrication; reqt. that pumps be manufactured at Boston. D To -- Pumps were ordered 5th ult. 5/15.	
41746 6/14	M.Is. 5232	Actual estimates for installation of forced lubrication of main engines. D To -- Apprd.6/26.	
41748 6/14	M.Is.	Revised estimate for: Dept approves	280--9
42312 6/27	M.Is. (T)	Reqt authority to purchase forced lubrication pumps on reqn. owing to fact that those being built at Boston will not be recd in time: states six can be obtained from Pow Pump Co. for about $2,700. D Fwd S&A via Dept.6/28. RB 6-29 a'ppd Rec purchase of six Dow pumps. To Bost.If mfr of six pumps ordered in 35011-477-19 is not under way, order is cancelled.6/28. (T)to M.Is.Purchase auth.6/29. Will comply with instruns. Boston. 7/3. Reqt. instruns. re disposition of duplicate pumps from Bost. 10/17 To---Hold in store.10/26.	
43511 7/14	To M.Is.	& Maryland: reqt dimensions of l.p. piston rod in connection with new packing	280--9
43977 7/19	M.Is.	& Maryland: gives diameter of L.P. pistonrod	280--9

SOUTH DAKOTA : BOILERS ETC

Number.	Date.	From or To—	Subject.
502875		SEE CARD 5	To Cavite Ice machine dumbbell Ask for report of receipt of dumbbell 11/5 Ym 408-13 118 913
630416	5/12	CO	Protest against charge for dogs for boiler casing doors- nec to allow $1000 addtl under title D allotment on account of. BY To C-I-C Asiatic Fleet- cc Cavite- CO 7/15 Fwds Operns via S&A 7/15

4—3381

Number.	Date.	From or To—	Subject.	

SOUTH DAKOTA; BOILERS ETC.

Number.	Date.	From or To—	Subject.
356592	10-9 11;16	To Ports CO	Requests inf regarding Blower engine cylinder for D-R To Ports, re cylinders for blower engine 10-22 Ports - lower engine turned into store 1/3/19 To S&A req ship from Ports to CO blower engine cylinder 1-14
363839	10-25 10-28 fwd Ports 1/2/19	CO Atl. Cruiser RB 1;27;19	Request repair shells of evaperators and flame plate baffles Y Fwd. Portsmouth, 11-21 R B 12;16 Fwd. CO 12-17 CO Dec. 20 list work completed at Factory S
372867	11/23	CO	Repairs W T doors in boiler rooms. To C&R, re urgent repairs, 11-30
375635	11-26	CO	Repairs evaporators, flame plate baffles and distiller W
377139	12;11	Norf	Req. vandyke showing diameter of evap. D To Norf. Fwds. vandyke 12-16
394984	3;17	?	Shipment order RB 3;24

4—3381

N.S.E. Form 134.

408 - 10

Number.	Date.	From or To—	Subject.	
455689	11/3	M Is T	Cavita has requested lower front cross heads for boilers - none in stock at Yd - reqst Bu. take necessary action - Y To Cavite (T)- Five cross boxes shipped this datefrom East Coast Yard. This comprises total stock. Will this cover emergency.Advise Bureau. 11-4 To S&A- Reqts shipment one cross box from So.Brook to Cavite. 11-5 R B 12/2 To S&A- Reqt shipment cross boxes from Boston to Cavite. 11-5 RB-12;26 Cavita (T) shipment of 5 cross bars satisfactory - Y FSB 11-15 To S.O. Mis. copy to Cavite and CO.Advise disposition of material and trans-shipment data. To - Advise re receipt and disposition of material. copy to Cavite and CO. 1-17 RB 2/2 1-16 RB 1/31 To Cavite-reqt info re shipment order-2;26 RB 5/24 To Cavite-reqt info re shipment order-2;26 To CO-- Adv when material listed received 5-29. CO HURON-7;12-Y	
492206	5;7 To CO CO-ack-12;14-Y	MMIS T Adv if headers recd 11-1	Request immediate shipment of boiler headers none available at yard.Y To(T)- Headers for reqted shipped from Pug Sd. shipment order this date. 5-8 RB-9;29 To S&A- Reqt shipment headers from Pug Sd to M Is. 5-8 2736.	RB-11;3
502876	7-6	To S&A.	Reqst shipmt of mat from Ports to Pug Snd	RB-3;25
504534	7;10	Pac Flt copy	To C.J.C.Brook-- Reqst inform re receipt and dsph of mat cc SO Cavive 1-8 Cavite 5/20/21 Vessel will require 15 cross boxes within a year-request for be shipped to Cavite.Y To HURON via Asiatic Fleet- rel HURON B&W boiler spare parts 8//11	
502321	8;13	Asiatic Fleet copy	Reasons for asking spares for boilers.Y	408-21

To S&A. Gives inform re shipmt To C.J.C.Brook-- Reqst inform re receipt and
To CO LEA -asks if Dsfad 8/5 11-2 CO-10;19-Y
S&A-copy of action to M IS-11-4
To SO Cavite Reqst reports be furn 4/14

6

1—3381

[OVER.]

~~DUPLICATE.~~

4

SOUTH DAKOTA: BOILERS. ETC.

Number.	Date.	From or To—	Subject.	
204441	11/10	Fwd Bd I&S	Report on material. For use of board in connection with material inspection to be held on vessel. Y	
	VOID- SEE CARD 3			
207031	1/15	Fwd Dept	Concurs with "Bd to Inspect SO. DAKOTA" that retubing of boilers is not necessary.	774
		917		
210494	1/15	Fwd Dept	Ditto	408-8
211727	1-8	Pug sd	Additional reserve tanks; fwds vandydes. D	
212735	1-27	C&R	Additional reserve feed tanks, piping for should be of steel on account of proximity to bilge. (Cross 15) To--Comments on. 1/31 C&R additional reserve tanks; authorizes 2/2 To--Se will do work under its cog. 2/5 To Pug Sd--Directs steel tubing with iron flanges be substituted for copper pipes with brass flanges. 2/5	
217826	3-13	TO Union Iron Wks	Reqt cost and time for furnishing four spareforced draft blower engines	147-10

NB—0120

N.S.E. Form 134.

SOUTH DAKOTA: BOILERS: ETC. 408 - 10

Number.	Date.	From or To—	Subject.	
243655	8/14	CO Copy	Request shipment of flame plate bricks, asbestos blocks, etc for boilers Y Fwd S&A--8/16	
255564	10-20	To S&A	Reqt Shipt 3 front & 3 rear evaporator heads from Pug Sd to Norf. Y	
258136	3-7	CO T.	Reequest material be assembled at Ports. Y.	147-10
287533	3-9	To S&A	Reqt shipt of misc material from Norf to Ports. Y R B 7/5 Phone Ports-Lists material required. 3-9 To S&A- Reqt shipt one boiler upright symbol from Norf to Ports. 3-9 Phone Norf- 3-18 Phone Ports. 3-18 Norf - 3/25 - Y	
		Phone Ports-Bu reqted information re discrepancy between boiler material reported received from Norf and received at Ports. Shipment order dated March 9 RB 4-18. Y		
289906	3/13	Atl Flt	Submits list of boiler material reqd - Y	
315369	6-10	CO	Request blue print of B&W boiler be fwded. D CO 6-21	
328373	7/17	CO	~~Feed water heaters - asks if any other methods can be suggested for improving present installation - Y~~	407 -10

NB—0120

[OVER.]

SOUTH DAKOTA. BOILERS: ETC. 1913

Number.	Date.	From or To—		Subject.	
108112	10/17	Mare Is.	T	Submits estimated time for installing new evaporators and renewing tube sheet main condenser.Y (T) To- Reqt time by working shifts.10/17 Fwd Dept via C&R.rec appr·10/18 RB 10 23	
110589	11-17	Dept	22397-E.71	Ordered to M.Is for completion of work on evaporators.Y (T)to-Mare Is.directs proceed with work. 11/18	
111243	11/20	CO		Requests internal feed piping be changed.Y (T)to M.Is.not to delay movements.11/26 Fwd Dept.request appr.11/26 RB 12 4 appd	
111226	11-24 11-25	M.Is Dept	T	Will complete work Dec 18; working shifts but not Sundays or Holidays. Y Fwd Dept VIA C&A & ORD 11-25 RB 11 29 appd	
113569	12-19	M.Is	13015	Internal feed piping; submits estimate.Y To---estimate excessive; request special report on cost of installation. 1/14	
			1914		
118032	2-13	M.Is	1676	& DENVER: MARYLAND: submits estimate for alterations internal feed piping and scum pans.Y	
			1915		
159628	6/23	CO		Reports method taken for care, maintenance, operation, of distillers	408-8
~~161375~~	~~7-27~~				
161375	7-27	Norf	R	Have issued boiler tubes for to DEL	182-10

N.S.E. Form 134.

SOUTH D AKOTA: BOILERS. 408-10

1916

Number.	Date.	From or To—	Subject.	
177110	1-17	CO	Flame plates B&W boiler; necessary to renew; recommends substituting plates shown on Company prints.Y To Via Pac Res Flt--Appvs./1/28 Fwd Pug Sd--1/28	
197189	8-19	S&A	M.Is request authority to issue 2,000 boiler tubes; granted by Tel. Y To CO reqt additional information 8/22 Retd S&A 8/22 CO fwds copy of correspondence relative to boiler tubes; reports on number of tubes already renewed 9/1	
199862	9/25	Fwd Dept.	Recommends that a material insp. be held to determine necessity of retubing boilers of the SO. DAKOTA. 9/25	
200831	10/10	Pug Sd	Gives boiler material required	408-8
204441	10-27	Pac Reserve Flt	& MARYLAND; recommends workin on boilers be expedited on;all other vessels of armored cruisers, boilers in good condition; submits list showing thickness of headers and tubes required.Y Fwd Bd I&S--11/10 RB 2/20	
217826	3-13	To Union Iron Works T	1912 Reqt cost and time furnishing four spare forced draft blower engines and fans ecomplete on and SOUTH DAKOTA.	147-10

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[OVER.]

SOUTH DAKOTA. boilers, etc

1912

Number.	Date.	From or To—		Subject.	
75680	7/5 8/13	CO C&R	17717-E.151	Reports taking fresh water for steaming purposes in double bottom compartments fitted as reserve feed tanks.D	
77269	8/1	C.O.		Repairs, lag main boilers, uptakes, etc	408--8
78547	8/1	CO		Repairs to side and cross boxes main boilers, etc.	408-8
79254	9-12 9-24	CO M.Is	9044	Boilers: renew outer side inner casings uptakes.Y TO M.Is. appvd.10-5	
79256	9-23 9-24	CO M.Is	9045	Reqt. new dusting doors for main boilers.Y TO -- (T) auth.10-2 TO M.Is. appvd.10-5	
80127	10-3 10-5	CO M.Is	9350	Renew casing smoke pipe.Y	
81505	10-23 10-24	CO M.Is	9997	Renew headers in boilers 13. Y	
82496	10/26	C.O.		S.Dakota: repairs, lagging main boilers	408--8

1913

N.S.E. Form 134.

SOUTH DAKOTA: BOILERS: 408-10 1912 1913

Number.	Date.	From or To—	Subject.	
89359	1-21 1-28	CO M.Is 1055	Repair shell No. 3 evaporator.Y To M.Is.appd mfr of shell.2/6.	
99425	6-6	CO	Safety valves; have been set at 265#. D	
99563	5-17 6-6	CO M.Is. 5627	Manufacture and install 3 new evaporators.Y TO M.Is appvd 9-30	
102436	9/26	To C.O.	Distilling Plant, evaporator shells reported in poor condition. To-M.Is. mfr of evaporator shells,etc. 9/26	494
107573	10-10	CO T	Drill test on evaporator shell not necessary; must be renewed.Y To M.Is.directs mfr and renewal (See 102436-494.) 10/13 (See 108002 of o10/17)	
108002	10/10 10/16	CO T Dept. 22397-64	New evaporators urgently needed. Dept directs return to Mare Island for installation after target practice.Y Fwd Dept. comment 10/17	
108103	10/16 10/17	CO T Dept. 22397-65	Time required for installing new evaporator and repairs to condenser. Dept. can not spare for 40 days and requests telegraphic report as to necessary time for working shifts.Y Fwd Dept. rec appr.10/18	

NB—0120

[OVER.]

408--10

S.DAKOTA: BOILER, feed water heater, distillers, etc. 1

FILE No.		From or To— (Dated)	Subject.	
36689	4/10	C.O.	S.DAKOTA: reqt repairs to engine, pipe, etc.	408--8
43163	7/8	M.Is.	& California:reports inspn of machy, work required on boilers, evaporators, condensers,	etc 147--8
43858	7/10	M.Is.	&Estimate for suction piping, aux. feed pump, globe valve on steam drain line, valves for double evaporator plant, provide forced lub.	408--8
44035	7/11	M.Is.	CALIFORNIA: report of Bd. S.Dakota on Main condenser, boilers, engines,	147--8
44433	5/22	C.O.	Extend umbrellas on four stacks, change discharge of steam drain line, change design of device for turning down commutators.	408--8
44838	4/10	C.O.	Repairs: to main engines, boiler doors, ash pan, etc	408--8
			1912	
61591	2/19	To C.O.	Boiler tubes turned into store at Mare Island; Asks if were on board prior to establishment of N.S.A. system on Oct.1,1910. A BLBB3-28 Fwd Dept Reqt·correction.3-29 RS 4-10 Ret---4/11.	

NB—0120

SOUTH DAKOTA: AUX MACHINERY 1920

Number.	Date.	From or To—	Subject.	
479675	3/4	C&R	Directs survey 50' steamers 1619 and 2187 on board SOUTH DAKOTA Y	611-1
484009	3/25	Mare Is (T)	SOUTH DAKOTA request immediate shipment of KK engine and cylinder block for Sterling engine to Cavite for; Y	611-2
496394	5/26	C&R	Copy letter to Mare Is assigning 40' steamer to SOUTH DAKOTA: Y	611-1
571550	6;24	CO	Ask number of magnetoz installed on engine.Y To CO HURON (T) Serial number not known Y	7/1
619161	4/18	C&R	Copy of letter to Ports rel to disposi- tion of boats formerly on board SOUTHERY Y	611-8
626287	6/3	To CO USS HURON	Rqsts investigation of discrepancies in conn with power boat numbers Ye cc LOG	611

408-11

1922

SOUTH DAKOTA AUX MACHINERY

Number.	Date.	From or To—	Subject.	
635460	7/28	New York. Subm report	Subm report of material being purchased for or carried on books of Supply Officer for SOUTH DAKOTA & INDIANA DY	689-11

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N.S.E. Form 134.
408-11
SOUTH DAKOTA: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
300025	4/15	USS SOUTH DAKOTA	Changes in power boat machy.	611-2
33214	8/1	To sSOUTH DAKOTA	Correction re number of boiler and number of engine for that boiler-ommission of nomber of engine in motor boa t 4769	611
373308	11;27	CO	Report turned in of Bosch magneto at Norf. Yd. and receipt on one of Requis.	10
385799	1 2;20 1;15	CO At Cruiser	Submits report of changes in power boat machinery Y	
388022	1/22	C & R	Cpy letter to NY requ no 408 steamer turned in by SOUTH DAKOTA	611-1
387420	1/22	To SOUTH DAKOTA	Asks submit report re C&R numbers and Bu Nos	611-2

408- 11

1919

SOUTH DAKOTA: AUX: MACHINERY

Number.	Date.	From or To—	Subject.	
402562	3;13	C&R	Shp'mt. of elec. pipe balloon wench to WYOMING.	
414902	4/30	Norf Rec Shp	Submits report of changes in power boat on board Y.	611
435539	7/25	C&R	Copy of tel to Transport Force, Atlantic Fleet, directing transfer 40' motor barge 4088 to SOUTH DAKOTA: Y.	611-2
435637	7/26	C&R	Copy of telegram to Portsmouth authorizing issue of 35' motor boat for Chief of Staff Asiatic Fleet to SOUTH DAKOTA Y.	611-2
435639	7/26	C&R	Copy of telegram to Norf directing turn over DOUTH DAKOTA'S boats for shippment to Portsmouth yard: Y.	611
437262	8/4	C&R	35' motor boat 14754 will be placed on board SOUTH DAKOTA for use of Asiatic Flt. Y.	611-2
442056	8;26	Atl Cruiser	Fwds reqn covering spare parts to be carried on board for Admiral's barge. Y&L cross to 611-2 To Cruiser Force-T-approved-8;27	
		1920		
478479	2/28	To South Dakota	Discrepancies in records- power boats	611-2

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SOUTH DAKOTA: AUXILIARY MACHY.

Number.	Date.	From or To—	Subject.	
228081	5-13	Pug Sd R	Rect auth to issue to BUFFALO spares from SOUTH DAKOTA'S boat 1810 for 1026.	611-1
228956	5/17	C&R	New power boat allowance - Y	
259569	11-7	C&R	South Dakota: Assigns motor boat 3436; transfers 2857 PITTSBURGH, directs 2098 be turned in by SOUTH DAKOTA at navy yard. Y	611-2
263868	11-7	USS SOUTH DAKOTA	Reports engine 1175, cutter 2857 transferred to Pittsburgh in exchange for Sterling engine 3370, hull 2098. R	611-2
265505	12/6	C&R	Relative to change in boat allowance - Y	
266215	12-8	C & R	Steamer 1104 replaced 1259, SOUTH DAKOTA. Y	611-1
266407	12-10	C & R	Assignment of launches 2926 to 28, 2931 to 35, 3421 to 36, to SOUTH DAKOTA. Y	611-2
268618	11-6	PITTSBURGH	Reports on transfer of boats to SOUTH DAKOTA. Y	611-2
285020	2-27	C&R.	Assigns motor boat 4769 to. Y.	611-2.
284764	2-26	C&R.	Assigns motor sailing launch C-294 to South Dakota.	611-2.

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SOUTH DAKOTA: AUXILIARY MACHY.

Number.	Date.	From or To—	Subject.	
285616	2-28	C&R.	Directs Boston Construct four 21' #118 to 121. Y.	611-2.
287107	3-7	C&R	KEARSARGE--launch C-292 previously assigned to be diverted to SOUTH DAKOTA-C-292 to be shipped KEARSARGE. Y	611-2
288307	3/6	~~EO~~ CO	Request repairs to ~~xxxxxx~~ sailing launch engine. Y	
289034	3-11	C&R.	~~Launches 2933, 2934, and 2935 assigned~~ to. Y.	611-2.
290363	3-15	SOUTH DAKOTA.	~~Sterling engine 3270 received from USS~~ PITTSBURG, ~~transferred to Ports Yard March~~ 6th. Y.	611-2.
298944	4/13	USS S Dakota	List of boats turned in. Y	611-2
300051	4/17	South Dakota	Reports receipt of steamer 1104. 1259 turned in at Ports. Y	611-1
300322	4/23	C&R	Steamer 1259, ~~ex-South Dakota condemned~~ for sale. Y	611-1
300322	4/23	C&R	Steamer 1259 exSOUTH DAKOTA condemned for sale. To Ports. Engine #1054 and boiler #2012 assigned to issue subject to resultof survey 4/24	611-1

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SOUTH DAKOTA: AUXILIARY MACHINERY. 1914

Number.	Date.	From or To—	Subject.	
123551	4/27	C&R	Reports transfer of motor sailing launch 1255 from PITTSBURG to SOUTH DAKOTA	611-2
123751	4/24	Pitts	Reports transfer of motor sailing launch 1255, engine CC-2154, to the SOUTH DAKOTA	611-2
126055	5/28	To SOUTH DAKOTA	Log reports same number for hull and eng; request correct report	611-1
128350	6/25	C&R	PITTSBURGH; assigns motor sailing launch 1893 in lieu of 1055 transferred to SOUTH DAKOTA	611-2
131364	7-18	SOUTH DAKOTA	422 agF Steamer 342 - reqs. same type of engine as for other boats on board.	611-1
131538	8-4	C&R	Reports transfer steamer 779 and sailing launch 1255 to Marine Corps	611
132571	8-18	C&R	Assigns Str. 1440 and Motor Launch 1674	611-
139503	11/13	C&R	Assigns motor sailing launch 1366 to SOUTH DAKOTA in lieu of M-263	611-2
146511	2/1	Mare Island	Reports installing of eng 1058, Ward boiler 2107, steamer 1440	611-1
		1915		
160498	7-14	TO	re error in numbering 893	611-1
173253	12/7	M Is T	Boiler 2011 installed in 1015 condemned; reqt authority to issue m2134	611-1
	12-8	To Pac Res Flt.	Survey #8; Ward G-2 boiler 2011 of steamer 1015; re repairs to. 12/8	

N.S.E. Form 134.

1916

SOUTH DAKOTA: AUXILIARY MACHINERY. 408 -- 11

Number.	Date.	From or To—	Subject.	
181965	3/14	SOUTH DAKOTA	Transfers steamer 1440 and 1988 SOUTH DAKOTA to MARYLAND	611-1
182118	3/20	M Is R	SOUTH DAKOTA; reqt boiler 2138, steamer 1015, replace condemned 2011	611-1
SO DAK 20	3/21	To M Is	Boiler 2011; repairs appvd	
182711	3/17	CO	Recommends assignment of boiler 2138, steamer 1015 to replace 2011	611-1
183361	3/31	C&R	Assigns motor boat 3857 in lieu of 40' steamer	611-2
183359	3/31	C&R	Transfers steamers 1440, 1988, 1259, between PITTS; MARYLAND, SOUTH DAKOTA	611-1
183536	3/25	M Is	Reports issue of boiler 2138 steamer 1015 in lieu of 2011 turned in	611-1
184670	4/14	C&R	Transfer of boats with MARYLAND	611-2
188011	5/16	To CO	Asks number of engine in steamer 1988; HH engine 2211; asks number of hull in which installed	611-1
202027	10/11	C&R	Steamer 1988 transferred from SO DAK to MARYLAND, SO DAK to ger 1259 Pug Sd	611-1

1917

215478	2-15	Pug SD	Recommends assigning 40' steamer 893 now on SOUTH DAKOTA: to the CALI, N. M. in place 896.	611-1
216955	3-3	C&R	SO DAK; assigns steamer 1810 to replace 1015 condemned.	611-1

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408--11
SOUTH DAKOTA: AUXILIARY MACHINERY.

Number.	Date.	From or To—	Subject.	
41074	6/19	To Pac Flt	1st steamer; request number of, also boiler data.	408-8
47418	8/24	M.Is.	BOATS: reqt Bureau assign g-2 boiler to steam cutter 779	611--1
51261	10/11	M.Is.	Boiler 2043 assigned replace 2042 not fit for issue.	611-1
51327	10/6 10/10	C.O. M.Is.	Authorizes issue Ward boiler 2043, for steam cutter.	611-1
✓ No #	11/6	To C.O. via Pac. Flt and Mare Is.	40-ft launches; reqn 146 appd. Type E-3 engine substituted for type M, and assigned engine 537, to be supplied by M.Is.Y	
No #0	11/6	To SO.DAKOTA, via Pac. Flt. & Mare Island.	BOATS: 40-ft launches; reqn 146 appd. Type E-3 engine substituted for type M, and engine 537 assigned, to be supplied by M.	Is. 611--1
54794	11/29	To M.Is.	BOATS: cutter 1157, assign type M engine #1051 in lieu of E-3 889, and directs type E-3 engine 537 previously assigned to cutter 1157.	611--1
79067	9/21		1912	
79067	9/21	M.Is.	Reports return engine type E-3 884 on SOUTH DAKOTA	611-1
79518	9/26	M.Is.	Report removal of engine 884, from survey and return to 1913	611--1

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N.S.E. Form 134.

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SOUTH DAKOTA 408--11

1913

Number.	Date.	From or To—	Subject.	
97003	5/1	S.Dakota	Reqt auth. to turn in lauch boiler 2043 for repairs.	611--1
97657	5/20	M.Is.	Reqt auth. to issue Ward boiler to, to replace one turned into store	611--1
98286	5/21	M.Is.	Reports assignment of engine 2211 to motor sailing launch 262.	611--2
99353	6/12	C&R	50'steamer 1099 assigned to	611--1
102833	7/25	M.Is.	Reports installation of gasoline engine 2155 motor dory 1224	611--2
108259	10-10	CO	Condensers, tail shafts, and propellers for steam launches; in excess of allowance;reqt. authority to turn into store.Y To---via S&A and Mare Is.instructions. RB 11 21 Fwd S&A.appd.11/26 RB 1 15	10/22
111247	11/25	C&R	Orders to issue steamer 1099 to cancelled	611--1
No #	12/9	To CO viaMare Is.	Survey #5; requests information re E-3 engine 884 and C-2 sq.boiler 2070; also type M engine 929 and E-3 engine 889. Y	

NB—0120

[OVER.]

408-12
SOUTH DAKOTA:CONDENSERS.

1918

Number.	Date.	From or To—	Subject.	
281728	2/14	Ports T	Request further instrns relative to repairs to condensers - Y o (T)- 2-15 t	
282867	2-18	Dept	Main condenser directs repairs Ports beginning March 1st. Y	

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

4—2381

[OVER.]

Number.	Date.	From or To—	Subject.	
42314	6/26	Pac.Tor. Flt	PAC.FLT: finished full power endurance runs: S.Dakota's condenser failed, etc	494
44035	7/11	M.Is	CALIFORNIA: report of Bd. S.Dakota: report on main condenser, etc	147--8
48802	9/8 9/11	C.O. M.Is	Repairs to main condensers. Y To M.I. make recn. to replace those used 9/25- to Pac. Fleet - arrangements made to have tube sheet outfit assembled at M.I. to replaxe for Arm. Cruisers 9/25	
			1912	
77269	8/1	C.O.	Repairs main condenser.	408--8
			1913	
108100	10/17	To Mare Is. T	Asks if tube sheet cannot be renewed in time required installation new evaporator. Asks if material is on hand. Y M.Is.10/17 (T) estimated time 20 days. Y	
108103	10/16	C.O.	Time required for installing new evaporator and repairs to condenser.	408--10
108112	10/17	To M.Is.	Reqt time for repairs to condenser, by working shifts.	408--10

N.S.E. Form 134.

SOUTH DAKOTA: CONDENSERS. 408---12

Number.	Date.	From or To—	Subject.	
110589	11/18	To Mare Is. T	Renewing tube sheet of main; directs proceed with work.	408-10
145977	2-25	To CO Via Pac Res Flt.	Submit reqn for material to cover repairs for overhaul of port main condenser. R	408-21
263921	10/5	CO	Renew tube sheets of condensers - Y	
	To Ports-	Fwds prints. 1-14	Phone Ports- Yd reported that had 2 condenser tubes sheets in stock. 12-3	
		& CO	To Ports- Auth ren ewal of tube sheets. 12-12	
			" CO - renew tube sheets 10/5 - Y	
			wd Dept (Operations.) 1-8 R B 1/14	
			" Ports - 1/8 - Y	
264749	12-1	Phone Ports	Condenser tube sheet for, Bureau asked if had any tube sheets suitable for. and if have facilities for drilling same. Y	
			Ports 12/1 - confirms telephone conversation - CO 12-7	
			To ATL FLT-Necessary work auth at Potts.	1-7
270346	12/28	Atl Cruiser Force	Main condenser tube sheets - asks if any steps have been taken toward securing - Y	
281156	2-2	CO	Reports on defects in main condensers. Y.	
		Fwd Dept 2-14 RB 2-18.	Phone Ports 2-14 Y.	
281384	2-13	Ports R	Request ship be left for insulation and new condenser. Y	

NB—0120

[OVER.]

SOUTH DAKOTA: HEAT: VENT: REFRIG: ETC.

Number.	Date.	From or To—	Subject.
441222	8/23	Phone CO	Disapproves request for new spare crank shaft for ice machine - Y
501280	5;14	CO	Request spare crankshaft be furnished for Allen ice machine.Y To S&A. Reqst shipmt of Machine- spare crank shaft from Boston to CO 6-25. serial No 3396 S&A-copy of action to FSB-8;18-Y S&A-copy of action to M IS-9;4-Y S&A-reports on shipment-2;14-Y To CO HURON Ask if shipment recd 4/13 CO-5;17-Y
502875	11/5	To Cavite	Ice machine Dumbbell Ask for report of receipt of SEE---408-10

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

SOUTH DAKOTA: HEAT: VENT: REFRIGERATION SYSTEMS.

Number.	Date.	From or To—		Subject.	
45839	7/28	C.O.		Rebore steam cylinder, ice machine.Y	
46396	7/28 8/7	C.O. M.Is	7493	Repairs to ice machines.Y	
47285	8/18	M.Is.		Repairs to armature of ventilator &blowers	408--8
48923	9/8	C.O.		Repairs to radiators in steam lines to Bath and pantry.	408--15
78547	8/1	CO		Repairs to refrigerating plant, etc.	408-8
78864	8-2 9-9	CO M.Is	8636	Alterations; to refrigerating piping due to arrangement of room. D. Ref. dept. recomds. 9/27 RB101 appd TO -- appvd.10-1 Fwd C&R 10-1	
82496	10/26	C.O.		Repairs, crosshead ice machine, ice making box, etc	408--8
				1913	
112384	12-3	M.Is	10060	Cold storage plant; submits print and est for re-arrgt of D. (T)to---changes appd.12/17	
113750	12-26	S&A	186-306	Survey on spoiled meats; recommends that ratio of cooling surface in refrig rooms be increased.D Fwd Pur.Sd.for estimate.12/30.RB 225 To Pug.Sd.appd.2/27	

N.S.E. Form 134.

SOUTH DAKOTA: HEAT:VENT:REFRIG. 408 -- 13

Number.	Date.	From or To—	Subject.	
113844	12-19	M.Is	Cold storage plant; work was not undertaken due to departure of ship.Y Fwd C&R.asks what alterations have been authorized.1/6 RB 19	
		1914		
		1915		
155167	5-12	Pug.Sd	Ice machine; reqt plans.D	
159628	6/23	CO	Reports method taken for care, maintenance, operation, of ice machine	408-8
		1917		
211257	12-22	CO	Request authority to turn in comp radiator guards. Y To via Pug Sd--Grants auth to store. 1/13	
		1918		
300521	4-22	Ports	Reports on condition of ice machine. Y FWD CO- 4-30 To- Considered that the composition crosshead will be satis. 5-1 received 6;7 Fwd Ports, 6-10 RB 6-17	
409763	4;2 4;8	CO Ports.	Repairs to piping and cooling coils in cold strg. room Y	
To I.M. Ports-galvanizing of pipe auth. copy to CO. 4-12				

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[OVER.]

SOUTH DAKOTA: PROPELLERS

1919

Number.	Date.	From or To—	Subject.
399018	2;26	CO 710	Reports on inspection of Port propeller and broken shaft Y
399751	2;26 3;5	CO Dept 647	Submits report on port propeller and broken shaft Y Fwd Operations via C&R. 3-6
401684	3;10	Ports	Req. bronze studs in starboard propeller be allowed to remain Y To- Satis to retain bronze studs. copy to CO. 3-14
403140	3;15	Ports	Fwds copy of report covering insp. of starboard propeller shaft Y
403326	3;14	Ports	Port propeller shaft bearing of fwds. photos and report covering Y To I.N. Ports-Contract for new forg to be placed in near future. copy to CO and CR & TR Force.
404258	3;20	At Cruiser	Copy - repairs will take 60 days after receipt of patterns for propeller hub sent to Ports. by mistake Y

N.S.E. Form 134.

1919

408 - 14 SOUTH DAKOTA: PROPELLERS

Number.	Date.	From or To—	Subject.	
329013	5-23	To CO SOUTH DAKOTA	Lists spare propeller blades available. Yo	147-14
~~526620~~	~~11-1~~	~~To S&A~~	~~Reqst shipmt of propeller blades from Boston to~~ Pug Snd 5012 Y	408-21

4—3381

[OVER.]

1919

Number.	Date.	From or To—	Subject.
390881	2;2	CO	Copy. submits report of damage to port propeller shaft Y Sims copy report on broken shaft 2; 2 Phone Ports. 2-4-19 Phone Cruiser & Trnasport Force. 2-4 To CO(T)-Wire definite infor as soon as obtained damage and material needed for renewal. 2-10
391027	2/2	Atl Cruiser Copy	Ship will go to Ports for repairs to port propeller shaft - Y
391653	2/4	Ports T	Have four shaft couplings on hand suitable for one spare propeller shaft for MONTANA - can be cut to suit - Y
394984	2/14	Ports T	Port propeller lost overboard and shafting broken - request authority to proceed with machining new shaft for - Y Ports - copy - report of breaking shafting - 2/14 Ports - (T) can cast new hub upon receipt of pattern - 2/15 To Mare Island- Inform when work of machining has been completed. 2-15 copy to CO To S&A-Reqt shipt 3 port lh propellers blades from Boston to Ports. 2-15 To Ports- Fwds drawing of propeller hub. 2-17 To Ports (T)-Proceed with maching port propeller shaft. 2-15 copy by mail to operations. To S& - Reqt shipt of pattern propeller from Phila to Ports. 2-17 Ports tel. propeller hub battery has not been recd; req. expedite del. Y

To Ports- Inform re receipt or non-receipt of material. 3-3
(T)To Ports-Propeller hub pattern shipped from Philadelphia express 2-28th. 3-1
Ports submits estimate 2;28 Y
To I.M. Ports- Estimate appvd. copy to CO. 3-4
To S&A- Advise action taken and progress of tracer. copy to S.O. Ports.3-18

Mare Is. req. shipping instructions 4-7

To S&A- Reqt shipt of propeller blades from Mare Island to Ports. 4-16 RB 6-20
To S&A- Reqts shipt data. copy to S.O. Mare Island and CO. 5-31
Mare Isl 6/9

4—3381

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N.S.E. Form 134.

SO. DAKOTA: PROPELLERS

1919

Number.	Date.	From or To—	Subject.
396132	2;17 3;1	Ports. Ports	Req. drawing showing arrangement of shaft casing for be furnished D
396509	2;18	Ports	Req. vandyke of propeller D estimate L
398056	2;26	Ports	Copy CO req. thru examination of starboard shaft Y Fwd Operations. copy to I.M. Ports. 2-28 ~~Dept - directs starboard shaft be examined~~ Dept - copy of telegram to Ports directing 2/27 examine starboard shaft - 2/27 RB 3;5;19
399398	3;1	Ports	Fwds report on examination of starboard ~~chest~~ propeller chest Y
399871	2;27 3;1	Ports C&R	Tel. port ejecter strut will not require renewal Y Fwd C&R. 3-8

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1916

SOUTH DAKOTA: PROPELLERS:

Number.	Date.	From or To—	Subject.	
190380	6-9	To S&A.	Reqt shipment three propeller blades from M.Is to Pug Sd. Y S&A blades were shipped Pug Sd 3-13 6-10	
190556	6-9	Pac Fleet R	Touched bar on Columbia River; blade port propellr bent; port tail shaft out of line; reqt docking.Y To Pug Sd--Reqt report on examination of. 6/12 To P.SD reqs. report on blades removed from 6-26 Pug Sd cannot repair 9-5(?)	
191055	6/14	Pug Sd	No damage to shafting; both propellers bent.Y	
198889	9-5	Pug Sd	Propeller measurements; fwds.D	
			1917	
222927	4-13	C&R	D-3: GLACIER JACOB JONES & SOUTH DAK. quotes from hull inspections re propellers. 697	
258386	11-3	To CO	Special engineering material shipped to Canal zone; fwds lists.	147-14
259385	11-9	To NY (T) VOID	Installation tachometers main engines auth. Y	
259539	11-9	To S&A	Reqt shipt 3 spare stbd propeller blades 4 " port from Canal Zone to Bost or NY.Y	
264547	11/30	CO	Reqst spare propellers be shipped to Ports - Y	

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408——14

SOUTH DAKOTA: PROPELLERS.

Number.	Date.	From or To—	Subject.	
33536	2-18	Boston.	Relative to weight of propellers for. S.	629.
322626	7-3 10:31	To S&A Port	Rqst shipmt patterns from P Sd to Ports, Y To Pg Sd Via S&A Re receipt of shipmt of above 8-3 To Ports, re shipment of patterns 10-16 To-- reqts propellers be reported, 11-18 R B 11,22	
324783	7-10 To Phil- Phila mat'l. Recd. 10-18	To S&A Reqts reply to 10-21.12-21 -- 12;28	Rqst shipmt Patterns M Is. to Phila Y To M Is Via S&A Rqst if shipmt received 8-7 R B 8/28 To Phila, re shipment of pattern for propeller parts 10-21	
329523	7/24	To NY	Rqts that spare propeller blade and after section crank shaft for San Diego be plainly marked SOUTH DAKOTA	697
342521	8-30	To Boston	Rqst report on spare propeller blades on hand Y Bost - 9/5	
356592	10;16	Ports	Submits estimate D	

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[OVER.]

SOUTH DAKOTA: PROPELLERS. 1912

Number.	Date.	From or To—		Subject.
76899	8/28	JAG	26283-449-1	Report of the breaking of starboard propeller shaft. Submits for comment as to responsibility,etc.Y To--J.A.G. 8/31
75740		SEE CARD 2		To S&A.Spcfns changed to read 1/4-inch finished dimensions.8/29.
76938	8/28	Beth.	201	Propeller shaft; requests copy of recn and print.S To---Fwds print.8/30.
77014	8/29	Dept.	5511-194	Report of Board of Investigation on loss of starboard propeller.Y Ref. Dept. with comment 9/4
77303	9/4	M.Is.		Stern tube shaft broken five feet from forward end; tail shaft 28 feet from forward end; after end went with propeller. Time to complete 45 days.Y Fwd Dept.9/5. RB 9-10
78102	9-6	M.Is	8462	Broken shaft; fwds photos and makes repot on.Y Fwd Dept. 9/17 RB 9-19
78839	9-17	M.Is	8837	Propellers; estimate for supplying;will require use of blades listed as spares for ~~ea~~ either or CALIFORNIA. Y To - authorizes mfr. 9/27 BLRB10-29 Fwd M.Is. instructions.10-30 RB 11-14

N.S.E. Form 134.

SOUTH DAKOTA: PROPELLERS: 408-14

Number.	Date.	From or To—	Subject.	
79520	9-25	M.Is 9078	Estimate for work on propellers and stern tubes, and shaft. Y	
86	10/24	Beth	Propeller shaft; reports shipment Oct.22; gives actual weight.	629
82435	11/12	M.Is. T	Shaft forgings arrived; estimate all repairs completed Dec.24th.Y Fwd Dept.11/13. B 11-16	
82990	11-11	M.Is 10568	Estimate for templet for propeller. Y	
			1913	
92267	3-6	M.Is 2840	Stbd propeller; reports changes due new blades.D	
96456	4/3 4/28	Mare Is. 3936 M.Is. Comdt	Spare propeller blades; reports on physical test. Requests instructions relative to the use of 100,000 lbs.manganese bronze which does not come up to specifications.Y To M.Is.suspend work on spare blades.5/6. (T)to M.Is.suspend work.5/6.	
99119	5-3	M.Is	Spare propeller blades; reports material used in castings failed to meet specns. under physical test; material furnished by Nassau Smelting Co. Y-S	
113748	12-29	Miller, A	Asks diameter of propeller.D To---gives data.12/30.	

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SOUTH DAKOTA. propellers 1912 2

Number.	Date.	From or To—	Subject.	
75740	8/13 8/14	Bethlehem Steel Co. Beth. 201 CARD 3	Stern tube shaft; requests minus tolerance of 2% be allowed in bore of shaft. Inspr requests instructions re inspection and shipment.S (Unsigned;fwdd by C.A.Malloy.) Beth.8/16. Contract received to cover shaft. Will direct company to ship by fast freight.Y To-Beth. instructions 8/15 (T) To- instructions 8/15	CARD 3
75759	8/7	M.Is. 7465	Requests Bureau purchase new shaft rough machined to within 1/4" finished size.Y	
75822	8/15	Union Iron Works T	States have a blank tail shaft in stock which can furnish Govt.Y To- (T) not required 8/15	
75967	8/15 8/17	M.Is. Dept.	Broke starboard tail shaft, losing after part of propeller; 110 miles from San Francisco.Y	
75972	8/17	M.Is. T Over	Requires new starboard propeller, tail shaft, and stern tube shaft; propeller blades on hand, hub can be manufactured. Recommends Bureau purchase shafts, and gives dimensions.D To--auth. work & directs mfr of hub,nut,cap 8/21	Over.
75923	8/16	To Union Iron Wks (T)	Requests quote price on tail shaft, hub, nuts and bolts Y (T)to---Asks if have tailshaft in stock? 8/20.	
76206	8/20	Union Iron Wks T	Shaft in stock not large enough. Offers to furnish hub, studs and nuts for $800.Y To--tobe made at M.Is. 8/22	
76270	8/13	M.Is. 7799	Propeller shafting; requests plan.D To--fwds 8/22	

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SOUTH DAKOTA: PROPEELERS. 408--14 1912

Number.	Date.	From or To—	Subject.
76474	8/23 8/23	Midvale Steel Co. T do.	Propeller shaft; quotes price; shipment in 40 days.Y Confirmation.Y Fwd Dept. 8/23
76479	8/23	Bethlehem Steel Co. T	Propeller shaft; quotes price; shipment in 40 days. Y Fwd Dept. with 76474.
76500	8/23	Dept.	Fwds report of Board on the breaking of starboard propeller shaft.Y Ref. Dept. 8/27 R.B.8-31 Tel. M.I. did tail shaft go overboard 9/4
76499	8/29 8/21	CO Dept.	Reports on the breaking of starboard propeller shaft.Y
75972	8/21	See other side To Midvale Steel Bethlehem Steel Co	Propeller shaft, reqt price. To-Bethlehem Co. (T) reqt price.8/21 To-Midvale Steel do 8/21
76708	8/26	Beth Steel Co.	Have received drawings and are rushing work on shaft.Y To M.I. order placed with Beth. 8/27 Ref. S&A 8/27
76831	8/28	Beth.Steel Co. T	Requests be allowed minus tolerance of 2% in bore of shaft.Y (T)to---Allowed.8/29.

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[OVER.]

SOUTH DAKOTA: PROPELLERS: 1912

Number.	Date.	From or To—	Subject.	
63657	3-13	Pac.Flt	Reports 2 blades port bent. Y	
64997	3/29	TO M.IS. T	Propeller blades; directs expedite repair.Y	
65003	3/30	M.Is. T	Three port propeller blades shipped to Cavite March 21st. Letter follows.Y	
65140	3/13	Pac. Fleet	Report on condition of ships: South Dakota's propellers need repairs, etc	494
65336	3-16 4-2	Pac.Fleet Dept 26283-385-1	Report of Board on investigation of bending propeller; recommends shipment new blades via GLACIER.Y To Pac.Flt.comments and instructions.4/6.	
65452	3-28	M.Is	Reports shipment of those in store for CALIF and submits estimate for manufacturing additional spares for both vessels.Y To---approves shipment.4/6.	
69819	5-28	Asiatic Fleet C	Have requested Olongapo to straighten propeller blades.Y To Dept.Reqst appr.5/28. RB 6-1 Fwd Pac.Flt.for information.6/1. RB 8-2 To Pac.Flt:Auth.to turn into store appd. Also for CALIFORNIA.8/5.	
71492	5-9 5-11	CO Pac.Flt	Reports on bent propeller,etc. Fwds photos.Y To Dept.reqst issue instrns for ship to bring back spare blades.6/20. RB 8-22 instrns.issued.	

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SOUTH DAKOTA: PROPELLERS. 408--14

Number.	Date.	From or To—	Subject.	
74505	5/22 5/27 7/11	CO Pac.Flt. M.Is.	Gives data covering two propeller blades on board ship.Y	
74760	No date	Pac Flt C	Broken starboard shaft. Y (T)To Honolulu.Asks which shaft broken.8/2.	
74829	8/2	Pac Flt C	States break inside stern tube three feet forward of stern coupling.Y (T)to Beth.Steel Co. & Midvale Steel Co. Request price.8/3.	
74814	8/2	Dept.	Main shaft; vessel enroute to Mare Island: Urgent and necessary repairs authorized.Y	
74905	8/1	Pac.Flt. C	Reports breaking of starboard shaft.Y	
74964	8/3	Beth.Steel Co. T	Stern tube shaft; can ship 30 to 35 days.Y	
75012	8/5	Midvale Steel Co. T	Stern tube shaft; quotes price and date of delivery.Y To---Cont awarded to Beth Steel Co.8/6.	
75174	8/5 8/6	Pac.Flt. T Dept.	Will need new stern tube shaft. Y (Duplicate recd. via C&R.8/6). Ref.C&R. 8/7	
75698	7/11	C O.	Readiness for battle, reports defects, propellers, steam winches, etc	408--8

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[OVER.]

SOUTH DAKOTA: PIPING SYSTEM:

Number.	Date.	From or To—		Subject.	
520140	9;30	CO	T	Request authority to make alterations piping and evaporator room.D To CO (T) not granted 10-5 To CO HURON (T) not granted 11-2	
~~526271~~	10;29	CO HURON	copy	Request authority to make alterations to piping in evaporator rooms.D	
533001	12;5	Olongapo	copy	Request authority to make minor changes in distilling plant piping.D To-- (T) Authy-apr'vd 12-6	

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Number.	Date.	From or To—	Subject.	

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SOUTH DAKOTA: PIPING SYSTEM.

Number.	Date.	From or To—	Subject.
46522	7/28 8/8	C.O. M.Is 7543	Install 2-1/2 " pipe connection from fire room risers to sea stools.D To C.O. via M.Is. & M.Is. Installation authorized.8/18. Fwd C&R. 8/18.
47118	8/17	C.O.	Renew section suction piping for flushing pump. Y
47417	8/17	C.O.	Repairs to suction piping.Y
47500	8/28	Norf. 4647	estimate for double lagging steam & exhaust piping, steering engine near magazine. Y
48923	9/8 9/11	C.O. M.Is 8827	Repair radiators in steam lines to Bath and pantry. Y
68979	3-29	CO	Reports connections from fireroom to bottom aux. injection has given very good results.D
78655	9-10 9-14	CO M.Is 8791	Re-tin copper piping for scuttle butt. Y
109803	11-3	CO	1913 Piping for flushing pum; reqt. changes; submits sketch. Y Fwd C&R 11-10 RB 1114 Fwd M.Is.appd.11/15 RB 124

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SOUTH DAKOTA: PIPING SYSTEM. 408--15

Number.	Date.	From or To—	Subject.	
112894	10/19 12/4 12/16	CO Mare Is. 12450 C&R	S.E. work in connection with altering exhaust pipe from crew's galley coppers. Y Ret C&R. 12/22.	
			1914	
140266	11-18	CO	Distiller circulating pump suction line; reqt duplication of SAN DIEGO Installation be duplicated without piping in port engine room. Y To M.IS-- Appvs. 11/27	
			1917	
212735	1/27	C&R	SOUTH DAKOTA; additional reserve feed tanks, piping for, should be of steel on account of proximity to bilge	408-10
			1918	
286273	2/23	CO	Repairs to piping and ash hoist engine - Y	
336685	8/7	CO	Atlantic cruiser 8/9. Rqsts replacement of dynamo steam traps -- Y	
400631	~~CO~~ 2-27 Fwd I.M. Ports. copy to CO. 3-11	CO	Portsmouth 3-6 Alter present steam line to Gally D	
			1920	

NB—0120

[OVER.]

1916

SOUTH DAKOTA: FUEL OIL SYSTEM.

Number.	Date.	From or To—	Subject.	
180730	3/3	CO	Asks if any changes have been made in analyzing fuel oil; last delivery to Phila not handled in accordance with regulations	690-4
563069	5/10	S&A	Copy of letter to NY in connection with holding payment to GR Co for fuel oil heaters for S. DAKOTA & INDIANA in order to expedite delivery of plans- contract 49499-S	49-B-16

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Number.	Date.	From or To—	Subject.	

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HURON COAL 1922

Number.	Date.	From or To—	Subject.	
640236	7/22	CO	Report covering receipt of coal from a Chinese Co. Y	
651136	10/5	CO HURON	Report on fueling of vessel F	

4—3381

Number.	Date.	From or To—	Subject.	

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SOUTH DAKOTA: WORK SHOP & FITTINGS:

FILE No.		From or To— (Dated)	Subject.	
29526	1/9	C.O.	Oil fuel forge and foundry; desires to submit reqn. and requests name of manufacturers of Hauck's Burner and Hays Analysis Instrument. To -- Information furnished 1/21.	
			1912	
66953	3-5 3-16	CO M.Is 3829	Repairs to armature machine shop motor.Y	
			1917 1917 1913	
247901	6/12 9/7	CO C&R	Repair facilities on board ship Y To- Directs amend allow list in accordnace with changes listed. 9-27 Fwd Ordnace- 9-28	
277381	1/28	CO R	Request immediate delivery of six tanks of oxyacettaline tanks - gives capacity - Y Fwd S&A 1-21 CO--RB--~~Six~~-2/23 wd 2-21 RB 3-11 Y NY - request instrns as to award - 5/21	
32973	6/5	To Cincin	Asks if shipt. of drills for So Dakota & Utah has been made. RS	629
340894	8-21	CO	Reports receipt of lathe	
32973	9/28	To NY	Asks if machine recd by NY has been delvd to ~~So Dak~~	

NB—0120

32973	10/17	NY	Drills SOUTH DAKOTA & UTAH -status of recpt R 629
370609	11-21	To CO	Reqts informa of lathes&asks if same has been redd/11-21 So. D. fwds copy of ref. 11;26 Y
32973	12/5	To USS SO. DAKOTA.	(T) Authorized turn ins/ store Nor. heavy duty drill press obtained on contr. 629

408--19
SOUTH DAKOTA. PUMPS: general

FILE No.	From or To— (Dated)	Subject.	
35011 3/30	To Boston	& WEST VIRGINIA: etc. pumps for forced lubrication to be manufactured at	477--19
45022 8/5	C.O.	Reqt. repairs to main air.Y	
46817 8/5 8/14	C.O. M.Is 770	Repairs to main air pumps.Y To M.Is.Appd·8/23.	
46882 8/12	C.O.	PUMPS: dow, reports on breaking of steam valve motion, suggests be issued in Confidential Bulletin.	698
46980 8/17	M.Is. 7837	Repairs to main circulating pump engine Y	
		1912	
		1913	
108380 12/8	To CO.	Grants authority to blank off half the auxy feed pumps from salt water connections, the other half from boiler connections; etc.	612-1
		1917	
248570 9/11	CO R	Request immediate shipment of water end of Worthington pump.D To Worthington Co--(T) Ask how soon can make shipment of water end. 9/12	

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408-19: SOUTH DAKOTA: PUMPS GENERAL:

465602 11;28 CO

Request print for Warren duplex type steam pump.D

To Warren Steam Pump Co- Advise if can identify pump and if so cost of furnishing two set of prints. 12-29

1920

Warren Steam Pump Co-submits quotation covering prints-1;2

To CO- reqst statement that pump duplex be verified 2/4

CO-4;10-D

To Warren Steam Pump Co-Advise if pumps furnished for vessels listed in 1908 are as shown on your standard plans indicated. 4-30

Warren Steam Pump Co-5;4-D

To CO via Union Fwds Blueprints 6-22.

CO HURON-2;14-D

To Asiatic Station via Union Fwds photostats 2/2

SOUTH DAKOTA: VALVES: ETC.

Number.	Date.	From or To—	Subject.	
50893	10/5	M.Is	Overhaul sea valves.Y Fwd Dept rec appr 10/13. RB 10-11 a'pp.	
			1912	
77267	8/1	C.O.	ALTERATIONS, fit J.Nolan blow valves on all boilers.	408--8
78078	9-6	M.Is	Overhaul sea valves.Y	
			1913	
			1916	
209435	12-15	Pug Sd	Safety valves; fwds plans showing adjusting rings; recommended for. D To--Disapprvs rec. 12/29 Pug Sd (T) safety valves; valves not satis to ship; request authority to install raised seats and new adjusting rings 3/21 To Pug Sd--Changes auth. 3/22 Pug Sd (T) safety valves altered as requested; result satisfactory; request authority to proceed remaining valves 3/26 To Pug Sd--(T) Auth. 3/27	
		1919		
PORTS NSA	460 4-9	To Ports	Reqn held pending info, vavles for- D	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

Huron

SOUTH DAKOTA: ALLOWANCE:

Number.	Date.	From or To—	Subject.
526620	11-1	To S&A 14	Reqst shipmt of Prop BLADS from Boston to Pug Snd 5012 Y RB 2-2/21
584849	8;1	CO	Annual inventory.Y
591000	9/15 9/17	CO Asiatic Fleet	Request dondenser for Berling magneto be added to allowance list. Y To Co- Gives Action 10/24
625246	6/2	To CO	Reports of expenditures from naval supply afloat-- Ya CO 7/31 Y CO- Report on expenditures from Navy Supply Account. 8/31 Y y
638763	7/13/22	CO	Annual inventory completed Y
638765	7/1/22	CO	Balance sheet Title B equipment quarter ending 6/30 Y

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

SOUTH DAKOTA: ALLOWANCES

1918

3

Number.	Date.	From or To—	Subject.	
294196	3-29	CO	Electrical allowance - fwds. RA To- Returns lists corrected in red. 4-11 CO - allowance list - gives reasons why additional storage battery lights should be allowed - 4/22 To- Your reqt appvd. 5-1 CO 8-21 To CO Rqst reply to reverence 9-26 CO - 9/30	
317758	6-19	To C O	Listing amendments to S E Allow List R	
336290	8/7	CO	Request special allotment $55,000 - R Fwd S&A 8-14	
363836	10-24	CO	Request special allotment of 5,500 covering repairs to boilers electrical installation etc. RA Fwd S&A 10-31	
370507	11-16	CO	Request additional money allotment Fwd S&A, 11-25	

N.S.E. Form 134.

408- 21

SO. DAK. ALLOWANCE

Number.	Date.	From or To—	Subject.
378830	12;13	P S	Copy of letter Ports. Fwding allowance list RA
398287	2;26	CO	Req. increase in money allotment covering cost of repairs. Fwd S&A. 3-3
414884	4-30	To CO	Fwds allow books for revision. Ya CO 6-15 To CO- Fwds appvd allow list. 6-28 To Aug Snd- Gives instrns- rel change in allow list 9/16/22
378202	1/2/19 To CO To CO fwds appvd cc of allow and three blank allow books 7-6. To PS Fwds cc of appvdallow with blanks ~~Aw~~ 7-6. Aug Sd-ack-9;20-Y		Fwds allowance book; To CO- Fwds blank type "B" allow boo k for revision. 8/2. CO-fwds allow list-22;31 CO-fwds allow books-5;25-Y
467397	11;17	CO 10-20	Paanimeter.Y
502321	6;29	Pac Flt copy	Request cross box be furnished as spares for.Y To C-I-C Asiatic Fleet Gives detld inform CC CO HURON Cavite Asiatic Fleet-reqt spares be increased at Cavite-6;19-Y Asiatic fleet-reasons for asking spares for boilers-8;13 Y cross to 10 Cavite-copy-ask if Grouse Boxes have been shipped-10;21-Y

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[OVER.]

1914

SOUTH DAKOTA: ALLOWANCES.

Number.	Date.	From or To—	Subject.
115211	1-12	CO	Fwds new.R To---via Pug.Sd.appd.1/17 TO -- fwds 5-25 To---changes.7/22
116638	1-20 1-27	CO S&A	Reqt authority to turn in excess stock of NSA stores. R Ret CO via Pug.Sd.appd for title X. 2/5
132259	8/15	To M.Is.	Electrical material, fans; changes.R rb 2
137942	10-14 10-21	CO S&A	Asks status of quarterly money allotment while in reserve.R Fwd Dept Via Ord and Nav-- Recommendations.10/27 RE 11 7 app d Fwd S&A Vir Ord and Nav-- 11/9
140950	11/21	CO	Reqt authority toturn in cooling coils in excess of allowance.R To Via M.Is--Authorized. 12/4
		1915	
145977	1-23	CO	Reqt in crease in money allotment.R To Via Pac Res Flt-- For further information. 2/2 CO gives reasons 2-13 To--Submit reqn for material for overhaul of port main condenser. 2/25
164693	8-31	Pac Reserve Flt	& SAN DIEGO: MILWAUKEE: ALBANY: money allotments: reports vessels have been placed in reserve from July 15. Fwd C&R--Noted. 9/1

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N.S.E. Form 134.

SOUTH DAKOA: ALLOWANCES: 408-21

1916

Number.	Date.	From or To—	Subject.	
179139	1-28	CO	REQUEST authority to turn in misc spares. Y To-- Appvs. 2/16	
180495	2-26	CO	Reqt list.R To-Fwds blanks. 3/4	
			1917	
210537	1/15	To CO	Adds pencil sharpener to allow. R CO req. ports be auth. to issue pencil sharpener auth. in allowance list 5-26	
212574	12-31 1-25	CO S&A Subscriptions	States have not received copies of Internaiton Marine Engineering, and Engineering; S&A states not on list. R Fwd S&A--1/26	
218056	3-14	CO T	Request additional money allowance.R To Pac Reserve--CO should submit urgent repair letter to Comdt. 3/15 Pac Res Force (R) request reconsideration of disapproved quarterly money allowance 3/17 To PUEBLO--(T)Pug Sd directed furnish material for repairs. 3/25 To Pug Sd--(T) Instrns. 3/29	
228348	5/15	To		
266766	12-15	To CO To- When may expect reply to above letter. 3-5	Revision of Elec llow Lists. Fwds one blank copy. L-R CO - submits allowance list- L & RA	
278334	1-22	CO Fwd S&A 2-4 S&A - fwds copy of action taken on Bureau's indorsement of 2/4 - 2/9	Requests material on certain requisitions be expedized.	

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[OVER.]

SOUTH DAKOTA: ALLOWANCES:

FILE No.		From or To— (Dated)	Subject.	
35837	3/13 4/7	C.O. C&R 21447-E.319	Alterations in storerooms. Y Fwd Dept. Red appr.4/11. R.B.Disappd 4/18 Fwd Pac.Flt. 4/18.	
51337	10/11	C.O.	Reqst copy of "Practical Marine Engrg."	746
51795	10/18	C.O., S&A, M.Is.	Reamers; recommends change.R To---,S&A, & M.Is. Change made.11/6. BLEDS	
			1912	
68911	4-16	CO	Reqt.copy of Marine & Naval Boilers for reference book. R To---Reference books eliminated from lists.5/17.	
68978	3-21	CO	Reqt.copy of Barton's Internal Combustion Engines.R To---Reference books eliminated.5/20.	
			1913	
93280m	3-7	CO	Reqt. latest edition.R. To-- being revised 3/26	
110751	11-12	CO	Money allotment; reqt. increase in. R Fwd Dept. rec.appr.11/19 R/B.11 22 To---appd.11/22 Fwd S&A.11/22	
112333	12-4	CO	Reqt.authority to turn in articles in excess of allowance.R To---appd.12/13.	

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SOUTH DAKOTA: AIR COMPRESSORS.

Number.	Date.	From or To—		Subject.	
95519	3/31	CO		Reports on Westinghouse; in good condition.D	
113277	12-13	M.Is	12839	Torp air compressors; estimate for additional work. Y Fwd Ord.12/23	
				1914	
124535	5-2	M.Is		Torp air compressors; repairs.Y Fwd Ord by hand 5-11	
186011	4-25 4-27	CO Ord	T	Repairs to. Fwd Dept-- Bu knows of no necessity for repairs to. 4/27	
195832	8/7	Norf		Condenser; request vandyke.D	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

SOUTH DAKOTA: INSTRUMENTS.

Number.	Date.	From or To—	Subject.	
47120	8/18	C.O.	Reqt. repairs to indicators. Y	
48049	8/18 8/30	C.O. M.Is	Reqt. repairs to engine indicators. Y	
			1912	
80645	10/22	To C.O., NY,S&A	G.E.Davis shaft revolution indicator; being mfrd.at NY; when completed, to be forwarded to ship.	665-7
83770	11-27	Norf	& NEBRASKA: VERMONT: NEW HAMPSHIRE: re installation and repairs to Bailey counters; delivered by VULCAN: Asks if disposition recommended by At.Flt. is to be followed.D	407-24
			1913	
87314	1/6	M.Is.	Main engine revolution counters. are all fitted and read continously ahead with engine running in either direction.	665--8
			1917	
210243	12-8 12-28	CO Pug Sd	Request overhaul clocks.Y To Pug Sd--Work auth. 1/3	

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SOUTH DAKOTA: INSTRUMENTS. 408 - 24

Number.	Date.	From or To—	Subject.	
247359	9/5	CO Copy	Request thermometers R ~~Fwd S&A—9/5~~ ~~To S&A—9/5.~~ Fwd S&A.9-19	
254537	10/13	CO	Reqt Hayes gas analysis outfit.Y To Norf-reqts that be furnished with above 10-16	
			1918	
295547	4/2	CO	Request repairs to main engine indicators - Y	
318889	6/14 6/18	CO Atl Cruiser	Rqst repairs to gas analysis of.	408-2 5
335616	7-27 8-7	CO Atlantic Crusier	Request status of repairs to two auxiliary engine indicators - Y	
341223	8/21	CO	Repairs to gas analysis outfit - R Fwd S&A 8-28 To CO, re repairs to gas analysis outfit	8-28

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HURON
~~SOUTH DAKOTA~~: RECORD OF WORK

Number.	Date.	From or To—	Subject.
427366	6;18	Ports	4-15-19 to 6-15-19 Y
430711	7-1	Mare Island	Quarter ending 6/30 - Y
434511	7;1	CO	Quarter ending June 30.Y
436246	7-31	N Y	8-16-18 to 8-24-18. Y
452485	10-1	Ports.	4/15/18 to 6/15/19. Y
		-1920-	
471110	1/1	Cavita	10/27/19 to 11/24/19 - Y
476861	2;1	Norf	11-24-18 to 12-20-18 Y
476152	2;1	Cavite	10-27-19 to 11-24-19.Y
562519	4;4	Cavite	Fwds cost of work report.Y Fwd 16 Dist 5/10

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408-25

Number.	Date.	From or To—	Subject.	
616471	2/27	Cavite	1/22/21 to 11/23/21 Y	
638598	8/1	BUFFALO	Quarter ending 6/30. Y	
645490	10/14	BUFFALO	Quarter ending 9/30.y	
651138	11/1	CO	Quarter ending 9/30 Y	

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[OVER.]

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1918

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SOUTH DAKOTA: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
303618	4;27	Ports.	2/;27 to 4;15 Y	
305223	5-1	Puget Sound	July 14, 1917 to Dec 22, 1917. Y	
318889	6-14 6-18	CO Atl Cruiser	Request repairs to gas analysis of. Y	
323234	7-1	Ports	Feb 27th to April 15th.	
328352	--	CO	~~Quarter ending 6/30 - Y~~	407-25
344785	9/1	NY	8/16 to 8/24 - Y	
357109	9-2	Portsmouth	Feb. 27 to Apr 15 Y.	

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N. S. E. Form 134.

SO. DAKOTA: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
381691	12; 25	Norf.	11-24 to 12-20 Y	
		1919		
386759	1;1	CO	Quarter ending 12;23;18 Y	
389623	1;28	Army Piers	1-18-18 to 1-25-18 Y	
391771	1/30	W & A Fletcher	1/20 to 1/25 - Y	
412061	4;1	CO	Qtr ending 3;31 Y	
401972	4-17	CO	~~Fwds drawings L~~	
414266	4-15	CO	12-5-17 to 12-15-17 Y	

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SOUTH DAKOTA: RECORD OF WORK. 1914

Number.	Date.	From or To—	Subject.
117760	2-11	M.Is	Oct 27 to Dec 26. Y
~~118405~~	~~2/19~~	~~Mare Is.~~	~~Oct.27th to Dec.26.Y~~
122911	4-15	Pug.Sd	Eng Mar 31
123641	4-25	Pug.Sd	Dec 30 to Apr 18. Y
124039	4-23	Pug.Sd	ditto
137900	10-22	Pug.Sd	Sept 24 to 29.Y
152564	4-10	Pug.Sd	End Mar 31
162371	none	Pug Sd	April 1st to June 26th.Y
		1915	
173317	12-2	M.Is	Dec 26,13 to Jna 13,15
		1916	
176926	1-18	M.Is	Dec 26 1913, to July 13, 15
177693	1-25	M.Is	ditto
181391	3-4	M.Is	Dec 26,13 to Jan 13, 15
182038	3-11	M.Is	Dec 26,,13 to Jan 13,15

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N.S.E. Form 134.

1917

SOUTH DAKOTA: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
232271	5/26	P Snd	Dec 30/16 to Apr 12/ 17n Y To Pug Sd--Reqt cost of repairing engines and boilers.6/7 P Snd - gives actual cost 6/26 Y To Pug Sd--Reqt detailed infor as to work done.7/3 P Snd - 7/18 Y	
233073	6/2	M Is	Jan 3/15 to April 1, 1916 - 3 reports Y	
236781	6/26	P Snd	Quarter ending June 30th Y	
261094	—	CO	Quarter ending Sept 30th - Y	
269293	12/24	NY	12/5 to 12/15 - Y	
278512	—	Co	Quarter ending 12/31 - Y	
427525	6-1	NY	12-5-17 to 12-15-17. Y	

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[OVER.]

~~SOUTH DAKOTA: SURVEYS~~ 1921

Number.	Date.	From or To—	Subject.
602529	10/31	HURON 18/22	Bearings, Gear, Carburetor Y
589482	6/31	CO	Piston Y To- Gives instrns. 10/14 Y CO - 11/23 Y
		1922	
613818	2/9	Huron 40-22	Propeller Y Fwds Parts 4/6 RB 4/21 Y
614351	2/16	Huron 37-22	Bucket Y
625742	4/18	Asiatic Fleet 38/22	various material Y

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Number.	Date.	From or To—	Subject.	

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SOUTH DAKOTA: SURVEYS 1921

Number.	Date.	From or To—		Subject.
542457	12/14	CO	28/21	Foot warmers, Fan, Torch, Iron Y
547239	1/17	CO	41/21	Header Y
547189	1/14	CO	32/21	Gauge testing outfit Y
547190	1/14	CO	40-21	Wave meter Y
547133	1/14	CO	38/21	Side box Y
547140	1/8	CO	35/21	Hose Y
547148	1/7	CO	32/21	Valve reseating machine Y
583948	9/22	To CO		#63-21- on Bosch "agneto of "1st motor Saier " 9/22 RB 1/3/22 Y
589482- card 2				
593614	9/12		11/22	Gear Y To CO Reqst number of engine 11/9
593611	9/19		7/22	Hose Y
594521	10/10		14/22	Thermometers Y
594520	9/30		3/22	Projectors Y To CO- Reqst inform listed 11/17
598115	10/26		16/22	Gauge Y
598118	10/8		13/22	Manifold Y

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SOUTH DAKOTA: SURVEYS:

1920

Number.	Date.	From or To—		Subject.
467350	12;8	CO	14-20	Magnetic testing generators.Y
467397	11;17	CO	10-20	~~Pixim~~Planimeter.Y
470073	11;20	CO	11-20	Elec material.Y
471604	12/4	Olongopo	11/20	Elec. apparatus.
477739	5/24/19	Ports	16/19	Ventilating set-hose and buckets.
490313	12;30	CO	15/20	Reflector and thermometer.Y
493962	3;19	CO	16/20	Turbine tube cleaners.Y
495287	3/3	CO	17-20	Various material - Y
498227	4;13	Asiatic Fleet	15/20	Pulley and steam guage.Y
498226	4;23	Asiatic Fleet	18/20	Jams for B&W boilers/Y

4—3381

IDAHO

BATTLESHIP #42: CONTRACT: SPECIFICATIONS. 1914

Number.	Date.	From or To—	Subject.	
129232	7/7	C&R	Circular of requirements; fwds proposed draft for comment; suggests opening of bids Oct.3rd; plans to be ready Aug 1st	554-1
137620 137604	10/19 10/20	Dept	Copy of letter to NYS Co giving them award	554-1
139928	11-11	Dept	Fwds copy of contract.D Fwd Dept--11/19	
140415	11-24	Solicitor 28513	Copy of contract NYS Co. dated Nov 9. D To NYS--Fwds copy contract. 11/27 To Cen Insp-- Fwds copy contract.11/27	
140502	11-25	NYS 3389-3851	Reqt specns and copy of contract be expedited.D	
141692	12-9	NYS	Specns; reqt additional copies.D To-- Fwds. 12/11 NYS fwds copies 12-28	
142209	12-16	To Inspectors.	Fwds copy machinery specifications. D	
142210	12-16	To C&R.	Fwds copies of specifications. 12/16 D	
142211	12-16	To Nav Acad.	Fwds copies of machinery specifications.	D
142212	12-16	To Yards.	Fwds copy of machinery specific tions. D	

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IDAHO: CONTRACT SPECNS. 563-1

Number.	Date.	From or To—	Subject.	
144014	1-4	NYS Co.	Returns signed specns; asks for reduction in air pressure.D To Dept--Gives above modification. 1/9	
		1915		
148717	3-3	NYS Co	Reqt authority to send B&W Co. contractors for boilers, copy of machy specns.D To-- Auth granted to issue. 3/5 NYS reports delivery of specns No 87 to B&W 3-11	
153527	4/27	N Y S Co	Reqt machy specns for IDAHO be sent Warren Steam Pump Co, contractors for pumps; Inspr recommends leaflet specns for each typeof pump used be furnished in lieu of complete to subcontractors	775-1
154076	5-4	NYS	Specns; Page 10; line 1; change word "Before" to "after". DR. To--Disappvs; comments on. 5/5 NYS reqt reconsideration 5-24 To-- Appvs change. 5/27	
158566	6-21	B&W	Specns; reqt. D To-- Fwds. 6/22	
163263	8-4 8-12	NYS C&R	Reqt additional copy of detailed specns.D Fwd NYD 8-13 RB 8/17 Fwd C&R 8-18	
		1920		
474110	2;4	Inspr NYS	Submits report covering disposition of specifications/D	

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IDAHO: TRIALS PAYMENTS: ETC:

Number.	Date.	From or To—	Subject.	
566237	5;26	Inspr NYS	Certified list of decreased cost of changes on-fwds.A	
581147	8;9	Dept	Instrns in connection with preparing vouchers for final settlement.D Fwds C&R 8/19 Dn	
597437	11/25	Pacf. Fleet Copy	Vessel completed torpedo practice. DL	
637049	8/10	N.Y. on Indiana	Various contracts covering material for battleship SOUTH DAKOTA & INDIANA Fwds data sheets. G	1214-1
54665	10/5	To Navigation	Authority for rep of B&W to witness trials on IDAHO DB	629

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
487545	4/14	NYS	Fwds contrs bills covering items of extra work - K
5 494373	4:2 5:18	NY C&R	Submits report on cost of work chargeable to contractors account.D&K Fwd C&R. 5-21.
		To DM NY Work chargeable to contr 4/25 NY-4;28-D	To Inspr NYS Gives inform 4/7 Inspr NYS-4;21-D
		To Inspr NYS 5/3	OVER
524593	10;20	Inspr NYS	Fwds report on matl shipped covering pump cylinder in connection with unfinished and unsatisfactory work at time of final trials.D To CO cc Pug Snd 11-5 To CO Reqst action of let 11-5 11-5 To Navjen Quotes from let of 4/13 11-5 CO-11;30-D To CO Gives action 12-14 To Inspr NYS Gives detld inform 12-14 Inspr NYS-12;16-D
458664		SEE CARD 14	To Pug SndInstl tel set chargeable to Govt 12-15 D. To Pug Snd Cancellation appvd 2/18
535606	12;17	Inspr NYS	Submits list of unsatis and unfinished work at time of final trial.D To Inspr NYS not satisfy 12-28 Inspr NYS-contractor should be held responsible-1;25-D
		Inspr NYS-3;18-D To CO Ask if shipmt made 3/25 To Inspr NL 3/25 Inspr NYS-contrs reqt clocks be not returned-4;12-D To CO (T) Gives Instrns 4/15 CO-4;12-D To CO (T) Gives inform 4/19	To Inspr NYS Gives inform 1/28/21 To CO- Gives inform re dispn of clock 4/15 CO-T-reqt repeat telegram of April 15-4;18-D

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N.S.E. Form 134.

563-2: IDAHO: TRIALS: PAYMENTS: ETC:

Number.	Date.	From or To—	Subject.
xxx 552730	3;9 3;21	Pug Sd C&R	Report of final and standardization trials by Bd -&S also estimates of work.D&Y Fwd C&R 3/26
557136	4;12	C&R	Copy of letter to Pug Sd giving action on estimates of work incident to final and standardization trials.D
494375		SEE OTHER SIDE	To C&R Recommends final settlement D 5/13 Inspr NYS-5;16-D To Solicitor Ack receipt of report from IN NY- Gives extracts-- 5/24 RB-5;4-D To Inspr NYS Cost of work chargeable to contr 5/26 Inspr NYS-6;1-D To Inspr NYS 6/6 Inspr NYS-6;8-D To Inspr NYS 6/10 Inspr NYS-6;13-D Inspr NYS-6;14-D To Inspr NYS Fwds corres listed 6/17 To Solicitor- Final report 8/4 F
565100	5;19	Inspr NYS	Request copy of certified list of decreased cost of changes.D To Inspr NYS Fwds certified list of decreased cost of changes 5/24
566237	5;26	Inspr NYS	Certified list of decreased cost

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[OVER.]

IDAHO: TRIALS PAYMENTS: ETC:

Number.	Date.	From or To—	Subject.
459559	11;11 11;22	Bd I&S Dept	Submits report of final trial.D To C&R- items pneumercator system under SE and will appv contractors responsibility.12-5 Fwd C&R. 12-15 C&R-12;29 Pug Sd-reqt action taken onpneumercator sys-4;10 cross to 24
	To Pug Sd-Fwds copy of Bu letter of 12-5th. 4-17		
461083	12-3	To General Inspr Phila.	Changes in cost. Reqts expedite action and pass on the 123 changes. Dn copy to NYS Inspr.
464382	12-19	Gen Inspr	Fwds report of meeting of board on changes in machinery; have added 25% to supplementary contract covering adjustment of wages; D
464505			To Solicitor 12-24, RB 12-30;
			1920
467038	1;3	C&R	Calls attention to various items on report of final and standardization trials.D To- Gives detail comment. 1-17
467037	1;3	C&R	Fwds report of Board on final standardization trials.D
469183	1-16	Fwd Solicitor joint	Change - omission of preliminary contract trials. R B 1/26 To Inspr NYS- Fwds copy of report of joint Board on Changes, 1-27 Fwd C&R. 1-27

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563-2: IDAHO: TRIALS PAYMENTS ETC:

Number.	Date.	From or To—	Subject.
473600	2;2	ASNE	Fwds paper on description and trials of IDAHO by H.B.Gregory-ask if satis to publish. Fwd Nayl Intelligence - Bu sees no objection to publication - 2/3 Dept-authorizes publication of article-2;7
477613	2;20	Inspr NYS	Fwds copy of letter to Contractors reqting in future correspondence be answered promptly in order to avoid any delays.K&D cross to Complaints, NYS Co & Inspr NYS To NY Ship Corpn 3/9 copy Inspr Mach (rel to procedure of inspection offices.) NYS Corpn-3;11
478550	2;27	Inspr NYS	Fwds copy of letter to Contrs in connection with items of unfinished and unsatis work.D
458664	forwarded from card 14	Inspr NYS	Request contractors be compelled to be more business like as regards correspondence with inspectors office.3;4 CO-reqt action-3;17 To CO- Fwds copy of Bureau letter to Pug Sd giving detail action. of 1-15th-19. 3-27 NYS - submits detailed comments on unfinished and unsatisfactory work - 4/13 - D
487544	4/14	NYS	Fwds contrs bills covering items of extra work - K

To Inspr NYS- Fwds copy of NYS letter of 3-11th. 3-12

685

To Inspr NYS- Gives detail action. 4-23

To CO- Gives detail action and comment on items of unfinished and unsatis work.4-23

NYS - 5/13 - D

Pug Sd-12;1-D

IDAHO: TRIALS: PAYMENTS ETC.

Number.	Date.	From or To—	Subject.
441501	8;22	Joint Bd on Changes Phila	Contractors entitled to increase in contract prices covering allowance for maintenance and insurance date of completion.D
441789	8;25	Bd I&S	Request list of items of work under contract specns,etc which will remain uncompleted at time of final trial.D
		NYS - reports on inefficient and unsatisfactory work - D 9/10	
		Bd I&S - returns correspondence -11/13	To Inspr Camine- asks if all items work include finished tracings and spare propellers have been completed 8/30
			To - All work under SE completed. Fwds list of job orders. 9-9
443452	9/3	NYS	Finished weight sheets - fwds - D
			To Inspr NYS Gives info 2/8/21
			Inspr NYS-lists changes nec in recapitulation sheet of final weight report-2;12-D
444339	9;4	Dept	Appoints board for final trial.D
446215	9/17	NYS	Submits estimate of decreased cost due to omission of prelim. contract trials - D
446551	9;20	Pug Sd copy	Recommendations concerning trials.D
			To Operations--9;22--RB--9;23
			To Operations- Gives recommendations re trials. 9-22
			Operations-copy of telegram-9;22

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IDAHO: TRIALS: PAYMENTS: ETC 563 - 2

Number.	Date.	From or To—	Subject.	
446885	9/22	Bd Insp West Coast Copy	Final trials recd - guns never fired - D	
447415	9/24	Bd Insp SanFrancisco Copy	States all arrangements made to begin trial on 9/28 - D	
448135	9-28	CO (copy)	Will begin trials 9/29.	D
449014	10;2	CO copy	Telegraphic report of final trials.D	
452816	10-20	Inspr NYS	Submits info re unfinished unsatisfactory work and reservations in conn with final trials.	D
458664	11;15	Bd I&S see card 15 To C&R. 12-15 To Inspr NYS. 12-15 To Pug Sd. 12-15 copy to IS.NYS) CO- Pug Sd	Fwds report of final and standardization trials.D To Naval. 12-15 To Ord. 12-15 B.I&S	
459443	11;18		~~Exit~~ Fwds summaries of cost of work chargeable to contractors account K&D	

IDAHO: TRIALS: PAYMENTS ETC

Number.	Date.	From or To—	Subject.
417165	4;24	CO	Reqst. standardization forms and tables M To- Fwds blank forms etc. 5-9
417040	5;8	NYS	Monthly report D
418241	5-17	Fwd Solicitor joint	Preliminary settlement.
421129	5;22 5;26	Dept C&R	Directs prepare vouchers in accordance with statement quoted covering payment of balance due under cont. D Fwd C&R. 5-27
421718	5;28	CO	Fwds copy of standardization curves and data also fuel compensation data D

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N.S.E. Form 134.

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IDAHO: TRIALS PAYMENTS ETC

Number.	Date.	From or To—	Subject.	
424256	6;9	Ins. NYS	Contr. req. report on trial D To CO- Reqts fwd two copies of standardization curves to Inspr NYS. 6-11 To- Notifies of reqtes for curves to be fwded from CO. 6-11	
426027	6-20	To Supt Constr-Inspr Machy NYS and Joint Board on Changes. Fwd Joint Board on Changes Phila (joint-) 8-13 copy to Supt Constr NYS- R B 9/9 - D Fwd Solicitor. 9-10 RB-9:24 To Inspr NYS-Report of joint board on changes appvd allowing increased compensation of $138,907.47 on account of changes. 9-25	Joint - Allowance for maintenance and insurance from normal date of completion. Inspr NYS-joint-fwds bill of NYS Co for maintainence and insurance. o General Inspr Phila. 8-15 Gen Inspr--submits revised estimate 8:29 Fwd C&R. 9-25	
428855	6-25	CO	Rqst 1 bridge Meggar be added to allowance list.	Y
431236	7/7	Inspr NYS	Subm contr estimates of decreased cost due to omission of preliminary trials. D. To Inspr NYS- Gives detail comment on estimates of decreased cost. 7-10	
~~434327~~	~~7;24~~	~~Inspr Erie~~	~~Copy of letter to Erie Forge & Steel Co calling attention to unstairs bore or hole in shaft For.S~~	
435337	7:24	Inspr NYS Fwd Solicitor. 7-31 RB-10;16 To Inspr NYS- Recommendation of Inspr disappvd. 10-18	Fwds corres in connection with change in wage rates brought out by wage board-contractors reqt auth to submit supplementary estimate of cost. D Fwd General Inspr Phila 10-18	

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IDAHO: TRIALS: PAYMENTS: ETC.

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Number.	Date.	From or To—	Subject.	
404376	3/20	C&R	Provide additional voice tubes and install pneumatic dispatch tube between radio room and communication office - request comment.	
To C&R- Gives detail comment and recommendations. 4-1				
404490	3/20	Dept	Copy of dispatch to Phila authorizing conditional acceptance and commissioning-D	
404813	?? Bd 3;22	I&S C&R	Submits report of Bd on preliminary trial Fwd C&R. 3-25	D
405595	3;25	C&R	Fwds report of Bd on preliminary trial Y	
405803	3;17 3;21	Ins. NYS C&R	Cost Insp. is auditing contr. books in connection with change in cost due to decision of wage adjustment Bd (cross to wage)	
405715	3/26	CO Copy	Request orders for vessel to proceed to NY for docking, installing propeller, and other authorized work - D	
405815	4-2	Fwd Dept via Ordnance. Fwd C&R via Ord. 4-17	Date of completion-Allow for maintenance and insurance- change. concurs in recommendation of C&R. Db RB 4;12	

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IDAHO: TRIALS PAYMENTS ETC

Number.	Date.	From or To—	Subject.
406306	3;26	NY	Necessary to install Burney gear Forbes Log etc. in connection with prospective outfitting at Ny Yd D
409142	4;8	NYS	Monthly report DN
410407	4/11	C&R	Fwds copy of letter from Ordn pertaining to installation of reduced air lines to torpedo rooms, steam heaters in torpedo rooms, etc - in connection with prelim. trial-D
410594	4/12	NY Copy	All work contemplated on completed. CO copy sh p sailed to NY 4;13 E NY sh p left Yard 4;13 NY - copy - 4/14
413300	4;22 4;23	Ins. NYS Ins. N-S	Allowance for Insurance and maintenance reports on proper date of completion DK To Inspr NYS- Nov. 9th Appvd by Dept. 4-26
414505	5;21	CO	Req. ammendment allowance list to include thermometer listed Y
415727	5-2	NYS	Rqst extension of contract time- D

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IDAHO: TRIALS PAYMENTS ETC

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Number.	Date.	From or To—	Subject.
397224	2;21	NYS	Copy of let. to trial Bd. asking definate information as to unfinished electrical work D&L
397213	2;20	NYS	Copy of letter from Trial Bd reporting innability to make out detail report on electrical work to date D&R
375182	2-26 2;27	SEE CARD 9 Ins. NYS	To Inspr NYS- Reqts fwd prints for use of trial board. 2-26 Dn
398774	2/26 3/1	Phila Dept	Request instrns be issued relative to commissioning vessel - D
399119	3-4 3;3 3;11 3;17	Fwd Dept via Bd I&S Ins. NYS Dept Ins. NYS	joint- Completion of - Db RB 3;10 To NYS (T)-Report Bd I&S will be fwded March 13th. 3-11 NYS - joint (T) request copy of report of Bd. 3/10 To Inspr NYS- Fwds copy of preliminary trial report. 3-28 To Inspr NYS- Fwds copy of report of preliminary trial. 3-13

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N.S.E. Form 134.

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IDAHO: TRIALS PAYMENTS ETC

Number.	Date.	From or To—	Subject.	
401139	3;8	Ins. NYS	Fwds progress report for Feb. DN	
401669	3;1	Ins. NYS	Submits list of plans furished to CO for electric plant L	
402370	?? 3;27	Bd I&S Ins. NYS	Fwds report of Bd of preliminary trial D To Inspr NYS- Reqts fwd statement showing amounts to be reserved for uncompleted work. 3-17 Ins. NYS report of unsatisf. work 4;2 To Inspr NYS- Reqts inform re amount of uncompleted and unsatis work. 5-26 copy to CO Ins. NYS 6;17 Inspr NYS 6/23	
		To C&R- Prepared to recommend preliminary settle with reservations listed. 4-12 To Inspr NYs- Reqts furnish contractors 4-12 with copy of your letter of 4-2-19. 4-12 Inspr NYS 5/28 Inspr NYS 7/3. Inspr NYS 6/2 Inspr NYS 6/6		
402793	3;13	Sol	Contr. auth. to deliver ship at Phila 3;14 D	
403982	3/19	Phila Copy	Ship ready for delivery except for unsatisfactory condition main engine throttle valves - recommends ship be accepted temporarily - D	
403959	3;19	Ins. MS (T)	Delivery delayed owing to continuous unsatisf. operation of main engine throttle valve D	
414882	5-1	Fwd Dept joint	Extension of contact date of completion.	
	Fwd C&R. 5-10	To Inspr NYS 5-10	RB 5;9	

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IDAHO: TRIALS PAYMENTS ETC. 1918

Number.	Date.	From or To—	Subject.
379999	12;21	NY Sh. Bldg. Corp	Gives reasons why req. was made to reinstate cont. trials for D
	To-Directs submit estimates of decreased costs. fwds correspondence for information of contractors. 1-20 Fwd C&R. 1-20 R B 1;25;19 To NYS-Plans not to be required.1-21 Ins. NYS 1;23;19 To Solicitor 1;4 R B from C&R 1;25;19		fwd Dept 1/4 R B 1/17 To NYS- fwds letter action taken- 1/4 To Inspr NYS- fwds for omission info 1/4 NYS - gives data in connection with furnishing of plans - 1/8 - C
380089	12;19 12;24	Dept C&R	Fwds letter from NY Ship Corp relative to proposed preliminary trial instead of dock trial and increase cost covering change K&K Fwd Solicitor- 12-27
		1919	
385177	1;11	Ins. NYS	Monthly report of progress DN
386764	1;18	Ins. NYS	Fwds plans showing location of aux. machinery gauges; etc. d
389151	1;24 1;27	Outfitting Board Dept	Recommends Bd of I&S inspect and subject ship to dock trials before delivery to Navy : list items to be given particular attention D Fwd Bd I&S- 1-28 RB 3;21 (CANCELLED Rec. Back) C&R copy of action taken 2;8;19 D Dept - request action - 2/15

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N.S.E. Form 134.

563 — 2 IDAHO: TRIALS & PAYMENTS:

Number.	Date.	From or To—	Subject.
366408	1-29	SEE CARD 9	To Bd I&E- Fwds synopsis of machy and Hull Data. Dn
392833	2;2	Ins. MS	Tel. contractors ready for dock trial 2-17-19 ask if insp. Bd. will conduct same.
393955	2;11 2;17	Bd I&S Ins. NYS	Dock trial of vessel in lieu of preliminary trial will be held 2;17;19 To Inspr NYS- informs of above; 2-13 To Inspr NYS- Fwds copy of Dept's precept to Bd of I&S. 2-15
393616	2/7	NYS	Monthly report - DN
394598	2/12	Operations	Copy of instrns to Phila to prepare for commissioning - D
395392	2;12	Sol	Copy of orders to Bd on dock trials in lieu of preliminary sea trials D
396560	2;19	NYS	Dock trial began on 2;17;19 D

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IDAHO: TRIALS PAYMENTS Etc

Number.	Date.	From or To—	Subject.	
357099	10;9	NY	Monthly report	
366408		To Insp. Camden. Re extra comp. for changing settings of safety valves 12-9 Ins. NY ship cont. protest against const. in connection with running preliminary official trials 12;14 D Ins. NY ship 12;17 Fwd Bd I&S/ 12-24 Ins. NYS fwds Bureau and achinery and hull data 1;16;19	Report of Insptn Survey Ø IDAHO- prelim trial- Reqts prints showing location of gauges To Inspr, Camden, preliminary trial, reqts prints showing location of gauges, 11-12 NY ship comments on 11;27 D To Inspr Camden, re perliminary trials, 12-2 R B 12;4 Contrs have not prepared any plans showing what is reqd - ask if order omitting trials will be countermanded - request action at once so that plans may be drawn by contr - D Fwd Dept., Via C&R, 11-19	
369461	11/15	NYS		
372881	11/26	Prospec. CO	Request that Department render decision as soon as possible - relative to preliminary trials to be held - D	
373759	12-2	Dept.	Directs preliminary trials be held	D
375182	12-6	Bd. of Inspr.	Preliminary trial - requests prints showing location of gauges etc. Ins. NY ship 12;11 fwd 1/8	D

Bd I&S req prints showing location gauges theremometers etc 1;2

To Inspr Camden- reqst prints for trails be held 33st

Bd I&S req print showing location of gauges 2;21 D

Card 10

Card 11

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IDAHO: TRIALS PAYMENTS ETC

Number.	Date.	From or To—	Subject.	
✓ 375077	11-20 11-26 12-2	NY S.B.Corp. Dept. C&R	Delay of completion - comtractors blame delay on number of changes made Fwd. NavOper. 12-9 R B 1/10 fwd C&R 1-14	
375182	12-9	To Insp. Camden	Reqts. dupli. blueprints showing location of gauges.	
375991	12-9	C&R	Fwds correspondence in connection with uncompleted condition of contract work on ship To Inspr Camden- Asks status of uncompleted work on IDAHO both orig contract and changes 12-11 fwd Ord 1/2/19 R B 1/18 To NYS- Asks expedite info 1/2/19	D
Ins. NYS 1;3 12/23/18 1/7/19 Ins. NYS 1;9;19 Fwd C&R. 1-22		To NYS- asks copy of letter status of uncompleted work on		
376811	12;9	Ins. NY ship	Submits monthly rep on progress	D
376558	12/12	To Inspr Camden	Bureau will shipt two additional counters for use trials IDAHO. To Inspr. Quincy--Asks info if can obtain two Smith Cummings counters for the River Ship Bldg co in Jan 12/12. C&R fwds correspondence in connection with contr. claim for increased cost 12;19	671-9
	Fwd Solicitor. 12-20 Fwd C&R. 1-27			
379319	4;9 12;20	Dept C&R	Submits rep on prog and delivery of Fwd Solicitor- 12-26 R B 1/10 fwd C&R 1-14	D

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IDAHO: TRIALS: PAYMENTS: ETC

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Number.	Date.	From or To—	Subject.	
305186	5-8	NYS	Monthly report. N	
306508	5/13	NYS	45th payment - K	
312266	5/31	NYS	Request information in connection with prospective trial of - N To Inspr Camden, Fwd report of trial board, 6-19 NY - Report of trial board. N 7-8	
314615	6;7	N Y S	47th payment. K	
315428	6;8	N Y S	Monthly report fwd. N	
321308	6-25	Inspr NYS	Copy of letter to Cost Inspr requesting audit books of Company in connection with scale of wages. NYS - 6/25	

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563 - 2 IDAHO: TRIALS: PAYMENTS: ETC. 1918

Number.	Date.	From or To—	Subject.	
324980	7-9	Inspr NYS	Monthly report. N	
332158	7-30	Inspr NYS 630	Copy of letter to contractor - delay an unnecessary expenditure of money due to non coordination of work in connection with progress of. DR	
336078	8/10	Terry C&R - relative to completion of at contrs works - 9/20 - D	Relative to completion at contrs works - D Fwd Dept, Via Ord, Dept, 8-15 To Dept 8-15 RE from C&R 8-29 Fwd Ord, 9-10 Fwd C&R, Ord, 8-26 Fwd C&R, 9-28	
336458	8/9	NYS	Monthly report - fwds - DN	
337098	8-12	NYS	47th payment - K	
347626	9/10	NYS	Monthly report - DN	

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IDAHO: TRIALS: PAYMENTS: ETC.

Number.	Date.	From or To—	Subject.
260126	11/10	NYS	41st payment K Fwd Detp - 11-13 Fwd Dept-11-13
264101	11/27	NYS To- fwds tracings. 1-11	Arrangement and details of feed water measuring system for use on trials - fwds prints - N To-Action withheld pending decision of the Dept as to whether apparatus will be installed or not. 12-4 NYS - fwds print - 12/27 N
265390	12/5	NYS	Fwds contractors bill for items of extra work - K
264874	12-4	To Dept via C&R,I&S	Preliminary trials,omission of. N RB 12-24 To NYS-Fwds copy of Dept's 3rd End.Dec. 17th. 12-26
265447	12-5	NYS	Fwds contractors' bills for extra work.K
265854	12/7	NYS	Monthly report N
266663	12-11	NYS	42nd payment.K
27205248	1/7	NYS	Monthly report.N
280352	2-8	NYS	Monthly report. N.

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IDAHO: TRIALS: PAYMENTS: ETC.

Number.	Date.	From or To—	Subject.	
281087	2-11	NYS	43rd payment - request. K	
287829	3/7	NYS	Monthly report - N	
294779	4-2	Inspr NYS	Feed water measuring system for trial trip - request definite decision for eliminating on account of omission of trial. N	
296614	4-8	Inspr NYS	Monthly report. N	
296684	4/9	NYS	44 th payment request - K	

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IDAHO: TRIALS.

Number.	Date.	From or To—	Subject.	
232735	6/8	NYS	Monthly report N	
233728	6/14	NYS	Propose to launch on June 30th N	
236377	6/30	NYS Copy	Launched previous to Dept's authority to have pictures taken N	
237617	7/9	NYS	Monthly report N	
237752	7/10	NYS	38th payment K	

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IDAHO: TRIALS. 563 - 2

Number.	Date.	From or To—	Subject.
242573	8/7	NYS	Monthly report N To NYS--8/30 NYS - submits report 9/1 N Fwd C&R--9/6 RB 9/10
242824	8/8	NYS	39th payment K
248538	9/10	NYS	Monthly report N
253617	10/8	NYS	Monthly report - N
254106	10/10	NYS	40th payment K
		Fwd Dept. 10-13 Fwd Solicitor 10-13	
254702	10/13	NYS Weights castings	Reports authorizing contractors to weigh one casting, high pressure turbine casting, and accept this weight for the second casting-gives reasons.D To- Gives weight of machinery under this Bu.10-17
259576	11/8	NYS	Monthly report - N

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IDAHO: TRIALS.

1917 Colorado 2

Number.	Date.	From or To—	Subject.
211416	12-22 1-12	NYS Co C&R	& BS 45 and 47; request arrangements be made so that sub-contracts can be given partial payments in same manner boilers were handled.N Fwd Sol--1/16
211908	1-18	NYS	Inspector states no further insurance will be required on boilers.K Fwd Dept--1/19
213930	2-7	NYS	Monthly report.N
214400	2-9	NYS	34th payment.K
217191	3-7	NYS	Monthly report.N
217894	3-13	NYS	Synopsis sheets;reqt.N
218505	3/19	To NYS	Fwds synopsis of machy and hull data. Detailed instructions to Inspr of Machy re Prelim Trial.N
221654	4-7	NYS	Monthly report.N
221658	4-7	NYS	35th payment.K Fwd Sol--4/10 Fwd Sol--4/10

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IDAHO: TRIALS 563 -- 2

Number.	Date.	From or To—	Subject.
221911	4/10	To NYS	Reqt number of men working on machinery at present, and whether a larger number could be worked to advantage. N NYS & DOWNES; fwds report on condition of work and number of men working on machinery 4/19
224163	4/18	Dept To NYS--Reqt further infor.5/3 NYS IDAHO & DOWNES ; gives number of men employed on 5/4 To Dept--Gives action taken.5/4 Fwd Dept--5/7 RB 5-10	Requests report on progress of work To NYS--Quotes from above letter. Reqt submit report. 4/23 NY ship - Idaho & Downes reports on satisfactory co-operation with Navy Ship Co. in expediting work 4/30 N
224966	4/26	NYS	All work preparatory to launching completed.N
226627	2/28 5/5	NY Ship Bldg Co C&R	Request extention contract time N Fwd Sol--5/8 RB 5-14 Fwd C&R--5/15
227469	5/8	NYS	Monthly report N
227473	5/9	NYS	36th payment K
232742	6/8	NYS	37th payment K

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IDAHO: TRIALS. 1916

Number.	Date.	From or To—	Subject.
190887	6-15	NYS	Fwds certificate insurance on boilers.K Fwd Dept-- 6/16
191026	6-16	NYS	Boiler insurance; fwds.K Fwd Dept--6/20
191293	6-20	NYS	Delivery; delay in; on account of strike B&W. N
192255	6-30	NYS	Boiler insurance; fwds.K Fwd Dept-- 7/5
192831	7/7	NYS	Fire alarm system; fwds prints.L
192839	7/7	NYS	Monthly report.N
195559	8/4	NYS	Monthly report.N
195793	8/7	NYS	Boiler insurance; fwds extension.K Fwd Dept--8/8
195858	8/8	NYS	30th payment.K
198710	9/7	NYS	Self-recording revolution counters for use on trial; request information re type, etc.N To--Bailey counters will be used. 9/9 NYS quotes by instructions to use Smith-Cummings 9-15 To NYS -Smith-Cummings counters will be used on trials. 9/18

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IDAHO: TRIALS. 563-2

Number.	Date.	From or To—	Subject.	
198852	9-8	NYS	Monthly report.N	
200948	10-2	NN	Monthly report.N	562-2
201215	10-5	NYS	Monthly reort.N	
201330	10-6	NYS	31st payment.K	
204567	11-3	NYS	Monthly report.N	
205628	11-15	NYS	32nd payment.K	
207630	12-4	NYS	Monthly report.N	
209999	12-22	Dept	Directs vouchers be prepared for NYS Co. Change in name will not affect N Fwd C&R--Noted.1/2	
210283	12-30	NYS	Counters for trial trips; tracing.D Fwd Bd I&S--For comment. 1/9RB 1-15 To--Plan appvd. 1/16	
210940	1-8	NYS	33rd payment; request.K	
210951	1-8	NYS	Monthly report.N	

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IDAHO: TRIALS. 1916

Number.	Date.	From or To—	Subject.	
178519	2-8	NYS	Monthly report.N	
178612	2-9	NYS	24th payment. N	
178612	2-9	NYS	24th payment.N	
180903	3-6	NYS	Monthly report.N	
180956	3-7	NYS	25th payment.K	
184072	4/7	NYS	Monthly report.N	
184395	4-10	NYS	26th payment.K	
186549	5/1	NYS	Delay in delivery on account of strike, Westinghouse Co.N	
186915	5-5	NYS	28th payment. K	
186914	5-5	NYS	27th payment.K	
187064	5-6	NYS	Monthly report.N	
187236	5-4	NYS	Boiler insurance; fwds.K Fwd Dept-- 5/10	

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IDAHO: TRIALS. 563-2

Number.	Date.	From or To—	Subject.	
187384	5-10	NYS	Claims delay on account of stike at Worthington.N	
187777	5-12	NYS	Contractors claim delay on account of delay inspector inacting on drawings; Inspector submits statement on crowded condition of inspectors' office,etc.N To--Comments on' 5/16	
188409	5-19	NYS	Reports strike; will probably delay vessel.N	
188769	5-23	NY	Strike started May 16; will delay vessel. N	
189184	5/26	NYS	Delay in delivery account of strike conditions Westinghouse Co.N	
189670	6-1	NYS	Delay in delivery on account of strike B&W CO/N	
190112	6-6	NYS	Monthly report	
190304	6-8	NYS	Reports insurance on boilers.K Fwd Dept— 6/9	
190589	6-9	NYS	29th payment. K	

NB—0120

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IDAHO: TRIALS. 1915

Number.	Date.	From or To—	Subject.	
154570	5-7	NYS	8th payment.K	
154571	5-7	NYS	9th payment.K	
154572	5-7	NYS	10th payment.K	
157134	6-8	NYS	Monthly report.N	
157737	6-11	Nys	12th payment	
157738	6-11	NYS	11th payment	
160192	7/9	NYS	13th payment.K	
160193	7/9	NYS	14th payment.K	
160282	7/9	NYS	Monthly report.N	
162793	8/2	NYS	15th payment.K	
162794	8/2	NYS	16th payment.K	
162987	8/9	NYS	Monthly report.N	
165071	9-4	NYS	Monthly report	
165452	9-9	NYS	17th payment.K To Dept--Fwds Insurance Policy on.9/10	

N.S.E. Form 134.

IDAHO: TRIALS. 563-2

Number.	Date.	From or To—	Subject.
167753	10-8	NYS	Monthly report
167756	10-8	NYS	19th payment
167757	10-8	NYS	~~Month~~ 18th payment
167778 VOID	10-7	NYS	High lifting sea valves; plan.
168019	10-8	NYS	States additional payment $.11,000 included in 18th payment; covering boilers.
168111	10-12	NYS	Contractors report there will be a delay in completing ship on a ccount of strike GE Co. delaying elec installation.N
170657	11-8	NYS	Monthly report.N
170746	11-9	NYS	20th payment.K To Dept--Fwds papers rec'd with. 11/11
173425	12-9	NYS	21st payment. N
173426	12-9	NYS	Montnly report.N
175566	1-6	NYS	Monthly report.N
175612	1-7	NYS	22nd payment. K To Dept--Fwds payment papers· 1/8 NYS boiler insurance 2-23 Fwd Dept-- 2/25

NYS fwds extended insurance 3-30
To Dept-- Fwds. 4/1

1918

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[OVER.]

IDAHO: TRIALS: PAYMENTS.

1914

Number.	Date.	From or To—		Subject.	
137976	10-26	NYS	3125	Contracts propose to purchase 3 carloads of copper for misc purposes/ reqt that they be credited with same on bill; Inspector objects to payment. N Fwd--Should be included in regular payments under Estimate weight and cost. 10/29 rb 10 31	
141608	12-7	NYS		Monthly report.N	
141877	12-11	NYS	3556-3851	Contract price; proposed subdivision.N To--Do not consider proper. 12/12	
142734	12-22	NYS	3664-3851	Sub-division of cont price; explains figures.N Fwd C&R-- Comments on. 12/22 C&R satis 12-28 To--Gives division. 12/29	
143851	12/22	NYS Co		Claims delay and damage if change made in boiler arrgt in fire rooms	563-10
144025	1-8	NYS		Monthly report.N	
144953	1-19	NYS	178-3851	Contractors claim extension 6 months due to changes in number of boilers, changes in eng room bulkheads.N Fwd Dept Via C&R-- 1/20 rb 1 30	
	To--Will	take up after delivery. 1/30			
145019	1-19	NYS	185-1851	Sub-divison of machy allotment. N To-- Appvs; Form 102 now being print. 1/21 NYS contractors intend to submit reqt for paym nts Feb 6; reqt form be expedited 2-3 To-- Fwds NSE form 102. 2/19	

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N.S.E. Form 134.

IDAHO: TRIALS: PAYMENTS. 563-2

Number.	Date.	From or To—		Subject.
145504	1-25	NYS	246-3851	Contractors propose applying for 2 payments Feb 1st; reqt action on subdivision allotment be expedited.N
145752	1-18 1-28	NYS Co. C&R	23-B-42	Claims extension time due to change in engine room and fire room bulkheads.N Fwd Dept-- Concurs in C&R end. 1/29 rb 2 11 Fwd C&R-- Noted. 2/12
146791	2-9	NYS		Monthly report.N
147042	2-11	NYS		2nd payment. K
147043	2-11	NYS		3rd payment.K
147047	2-11	NYS		1st payment.
147112	2-12	NYS		5th payment.K
147113	2-12	NYS		4th payment.K
149240	3-9	NYS		Monthly report.N
149542	3-12	NYS		6th payment.K
151824	4/8	NYS		Monthly report.N
151953	4/8	NYS		7th payment.N
154379	5-7	NYS		Monthly report.N

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[OVER.]

IDAHO: ELEC PLANT GENERATORS:

Number.	Date.	From or To—	Subject.	
555243	3;28	Pug Sd	Report covering alterations to fire room emergency circuit.L To Pug Snd Altern apprd cc CO 4/22 Pug Sd-5;26-L To Pug Snd Reqst return of corr listed 6 /10	
558608	4;18	C&R	Copy of letter to Pug Sd submitting recommendations made by Pac Btlship Force relative to cancelling instaln of elec driven blocks-L	
574785	7;12	Pug Sd T p	Reqt immediate express shipment of impedence coils and telephone jacks.L RB-9;20 Fwd S&A cc Pug Snd 7/16 RB from NY-8;2-L Pug Sd-Impedence coil-reqt item be cancelled-8;19-L Fwd S&A cc Pug Snd 9/17 To Pug Snd- Di Gives Action 9/28	
590170	10/19	To Inspr NYS	Ack receipt of plans listed L	
597894	12/7	To Bureaus Insprs- Schools CO's- Fleets Stations- Yards listed	Fwds cc of Record of Electrical appliances L Ordnance-fwds receipt-12;10-L Nav.Acad. Fwds receipt. 12/13 L C&R-Fwds receipt. 12/14 L Inspr NYS- Fwds receipts. ? L	

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Number.	Date.	From or To—	Subject.	

IDAHO: ELEC PLANT GENERATORS:

Number.	Date.	From or To—	Subject.
464470	12;15	Inspr NYS	Change in type of fixtures on account of omission of mine room-fwds estimated increase in cost.D
464486	12;15	Inspr NYS	Change in method of securing electric conductors-fwds estimated increase in cost.D Fwd Solicitor. 12-26 RB-1;2
[illegible]	[illegible];15	Inspr NYS	Fwd manuscript for record of elec appliances.L
378882	fwded from card 6 Fwd Inspr NYS 9-28 To Inspr NYS Reqst inform 12-3 Fwd Inspr NYS Reqst inform 1/8 To Inspr NYS Ask when manuscript will be returned 1/21 RB 1/26		Inspr NYS-fwds manuscript for record of elec appliances-4;15-L To Inspr NY-- Returns let. 4/15 for further revision RB-8;18-L 5-29 Inspr NYS-6;11 To Klaxon Co Reqst furnish to inspr machy NYS brief description fnc of instrns for care and maintenance of two sta loud speaking tel sets C Inspr NYS 6-19. Klaxon Co-6;23-L Klaxon Co-fwds print giving wiring diagram of two statio system with catalog on.7;16-L Fwd Inspr NYS 9-22 RB-9;25
492600	5/6 5/8	GE NYS	Tracings of generators will be fwd to NY Ship Corp about 5/12 - L
507765	7;13	CO IDAHO	Request for authority to use Duracord portable elec cable on trial.L To CO Bu desires that present stock of port cord be used instd of makg addnl purc of reinforced mat 8-25

N.S.E. Form 134.

563-3: IDAHO: ELEC PLANT: GENERATORS:

Number.	Date.	From or To—	Subject.	
525780	10;27	Inspr NYS	Reduction in number and length of shop test on power equipment-est of decreased cost.L	
527467	11-5	To Inspr NYS	Record of elec appliances ; Adv when recd L	
542368		SEE CARD 7	To Inspr NYS- Reqst inform 1/12/21 L Inspr NYS-1;18-L To Inspr NYS Gives inform re plans listed 2/9/21 Inspr NYS-fwds list of weights-5;28-L	
543279	1;27	Inspr NN	Fwds contrs receipt for record of elec appliances.L	
543386	1;26	Inspr NYS	Fwds record of elec appliances with photo-statz sketches and photo graphs.L To Inspr NYSReqst cc of record of elec appliances te Fwded 2-1/21 RE-with record-2;4 To IM NY Reqst listed plates te fwded 2/5 21 NY-fwds print and photographs of elec appliances-2;21-D	

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IDAHO: ELECT PLANT GENERATORS 1919

Number.	Date.	From or To—	Subject.	
417091	5;2	CO	Alterations - relocate truck and screen speed light, outlet for battle tracer, install additional red light illuminating outfit, alterations to radio apparatus, additional lights. L To CO- Gives detail action. 5-23 copy to CO--9;-o	I.M.Ny
		Fwd Operations via Navgn and Ord. 5-23 To CO- Gives detail action. 6-11 RB 6/9 copy to I.M. Ny Fwd Navgn and Ordnance. 6-11 RB 7/2 To I.M. Ny- Work under SE Auth. copy to CO and Navgn. 7-5		
418130	5/14	To Womdt Wash	Repair of defective elec material from IDAHO-Reqts make repairs of material listed and retruend to vessel as soon as possible. W.	563-6
421224	5-26	Inspr N.Y. Ship	Fwds copy of letter giving instructions for marking of shipt from electl apparatus L	
424115	6/6	Inspr N.Y.S.	Omission of lime room- subm estimate. L To Inspr NYS- Change appvd and referred to Bd on changes. 6-14	
418728	6-21	To CO	Fwds prints of fixtures installed on. L	
431237	7/7	Inspr NYS	Subm estimates for increased cost due to change of method of securing elec inducters. L To Inspr NYS- Change authorized and refered to Board on changes. 7-14	

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N.S.E. Form 134.

563-3 IDAHO: ELEC PLANT GENERATORS.

Number.	Date.	From or To—	Subject.
432557	7;14	Inspr NY Ship 24	Modification in testing and measuring instruments. Submits estimate of decreased cost. L Fwd Solicitor. 7-24 R B 7-30
436720	8;1	Inspr NYS	Scale of wages - changes under contract-fwds correspondence in connection with revision of estimates of work listed. L Inspr NYS—Contractor reqst permission to withdraw letter of 17th. 8;7 Dept-Copy of tel to NY Ship Corp stating unavoidable increase of cost due to wage adjustement will be treated as charges under fix price contract. 8;7 To Inspr NYS- No action to be taken in accordance with your recommendations. 8-9 Inspr NYS-scale of wages in connection with elec changes. 9;5
442368	8/4	NYS	Fwds tracings of finished plans - L To- Instructions issued for COLORADO & WASHINGTON TO APPLY TO IDAHO. 9-10 To Inspr NYS- Reqts tracings. 9-19 Inspr NYS-rel to finished elec plans-9;22 To Inspr NYS-Advise progress being made by contractors toward furnishing finished plan. 1-8 To Inspr GE-. 5-7 Fwd I.M. Ny. L
417091	9-29	SEE OVER	
458792	11-20	To Inspr NYS	Record of Elec. Appliances. completion of. Advise when may expect to receive the manuscript. L Inspr N Y S 11-22
463284	12;11	Inspr NYS	Record of elec appliances fwds contrs est of reduced cost covering omission of. L To NYS Co Fwds report re rec elec app 11-11

Inspr NYS-1;15
To Inspr NYS- Gives requirements for finished plans. 1-20
Inspr NYS-1;23
Inspr NYS-3;9
Inspr NYS-contrs have not yet recd plans 9;4-L
Inspr GE-5;10-L
Inspr NYS-5;12-L
Fwd Solicitor 11-5 RB-11;10-D

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IDAHO: ELEC PLANT

Number.	Date.	From or To—	Subject.	
368979	11-12	Comp. Bd.	Cable fwds NY Ship Co. order RA Fwd S&A, 11-31	
376863	12-10 12;16	Inspr. NY. Ship Ins. NY ship	Request Bu. instructions in connection withfinished elec. plans	L
2 376868	12-17 12;18	To Insp. Camden Ins. NYS	Reqts. that plans be distributed as stated To- Finished plan porfolio satis. 12-26 To- One set of portfolios will be required to contain elec prints. 3-3 Inspr NYS 10-7 Have extra set of prints.	
To Inspr NYS- Gives instructions for fwd'g vandykes to Eng. Sq. 10-14 To Inspr NYS- 1-22 NYS - 1/28				
378882	12/18 1;10	NY Ins. NYS	List of apparatus for fire control system under Ordn not included in record of elec. appliances - L	
To Inspr NYS-Recommendation satis.				
	2;12	Ins. NYS 1-27	To Insp. Camden. Re info in re to Articles fu nished by Govt. 12-28	
Inspr NYS-fwds various elec drawings-2.12 see card 8 Inspr NYS-3;23			To Inspr NYS- Returns record of elec appliance. 2-21	
375991	12;23	Insp. NYS	Inspr NYS-Copy of action to contr-3;24 Fwds list of uncompleted work D	
383303	1;7 To Inspr NYS- Plans appvd. 3-4	MS	Relative to repairs and replacement of damage feeder P A 5 L Ins. NYS fwds prints showing method of repairing brake 2;25	

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N.S.E. Form 134.

IDAHO: ELEC PLANT

Number.	Date.	From or To—	Subject.	
391471	1;31	Ins. NY S	Conversion of Board emergency cabin to navigators office; submits list of alteration necessary .	
398345	2;27	Ins. NYS	Ask if Bu. desired inactivities and reproductions of photo in record of electrical appliances L To- Desires one print only of the photographs being made on high gloss surface paper suitable for reproduction in books. 3-7	
402676	3;13 3;20	NYS Ins. NYS	Reports furnishing Commanding Officer in Phila Yd. plans listed L To- Reqts have contractors expedite the furnishing of the remainder of plans required: To Insp r NYS- Fwdg 1 set of 82 blue prints covg 36" searchlights- 4/9	3-19
404275	3;19	Ins. NYS	Plans covering post sys. and Int. Com. Sys. furnished CO L	
407105	3/31	C&R	Necessary to build bulk head gears fwd part of addispare cabin and relocate communication office. Fwd C&R 4/4 R B 4/8 To - Recommends installation of voice tubes as provided for the present communication office. 4-12	

To I.M. Ny- Auth to install such tional lighting as is necessary for new communication office. copy to CO and C&R. 4-12

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IDAHO: ELEC PLANT.

Number.	Date.	From or To—	Subject.
239261	7/17	NYS	Method of securing and arrangement of leads in conning tower tube - fwds prints L NYS - request action 7/30 L
246539	8/28	Bd on Changes NYS	Change in run of leads on 1st platform deck, between frames 55 and 84, necessitated by alterations to boiler room and wiring passages on that vessel N Fwd Sol--9/1 R B 9/7
258930	11/1	NYS	Method of supporting cables and voice tubes and conning tower tubes - fwds - L
271580	1/4	NYS	Damage to electric cable and method of repairing same - fwds recommendations and prints - L To- give comment. 1-10 NYS - Fwds prints. - 1-21 - L
284858	2/26	NYS	Fwds plates for record of elec appliances - L To- Plates not yet received. 3-8 NYS 3/14 - L To S&A- eqt shipt One box 28 Lithograph plates. from NYS to B.S.E. 3-20 To- Lists plates received. inform which of lists will apply to the record of elec appliances for. 4-11 NYS 5/16 Insp r NYS 5-31

N.S.E. Form 134.

IDAHO: ELEC PLANT. 563 - 3

Number.	Date.	From or To—	Subject.	
295012	4/3	NYS	F wds plate of a No 18 Cochran exhaust valve for list in record of elect appliances-L	
335083	8-7	C&R	Copy letter to constructors NYS directing omit water tight casing for leaded and armoured cable in turrets - L	
335133	8-9	To Inspr NYS	Rqst inform re items furnished for Elec appliances, L Ins. NY 9-18. To Inspr NYS, Fwds pamphlet re elec appliances9-23 To Nav. Rqst pamphlet for Insp NYS 9-23 NYS 11-8 IDAHO	
367000	11-6	New York Ship	Fwds order covering cable required	L
365424	11-5	To S&A	Reqts shipmt of radio appratus, Phila to Camden	
367510	11-7 To Inspr NYS- advises no further tests necess 1/6	New York Ship	Asks estent of test be required on star armature for generating sets L To Inspr Camden, comments on re above, 11-16 NYS - 12/31	
368062	11-15	To Inspr Camden	Electr install on chart house&bridge, L	

Ins. NY ship fwds corrected plan 11;26 L

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IDAHO: ELEC PLANT.

1917

Number.	Date.	From or To—	Subject.
218232	3-15	NYS	Casings for elec conductors; relative to changes to meet report of turret board.L
	To--Changes under cog SE. 4/4		Fwd Dept via C&R--Does not consider necessary. 3/19 RB 4-2 NYS request action be expedited 4/3
218463	3/16	NYS	Conduit stuffing tubes for 5" protective deck; fwds plans.L To--Plan satis with comment. 3/24
220208	3-29	NYS	Wiring in port passage;plan.L
220293	3-30 P	C&R	Change in casings for elec conductors Copy of instructions issued.L.
221032	4-3	NYS	Arrgt of elec leads and voice tubes in turret wiring trunks;plan.L
221623	4-6	GE	Wire and cable orders; request authority to ship some on S&A contracts; will not hold up Govt deliveries.L To--Instrns.4/11
222285	4/16	To NYS	Testing and measuring instruments. Lists articles revision will include. LN To--Gives satis type of megger.6/16

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N.S.E. Form 134.

IDAHO: ELEC PLANT.

Number.	Date.	From or To—	Subject.	
228112	5/11	NYS	Electrical installation central line passes - fwds prints L	
228111	5/11	NYS	Electrical installation port wiring passes - fwds prints L	
231506	5/31	NYS	Electric installation in forward torpedo room - fwds prints L To--Plan appvd with comment.6/16 NYS - fwds prints 7/24 L	
233141	6/11	NYS	Contractors request authority to substitute certain electrical instruments for those called for on allowance list L&R To--Satis with exceptions.6/14 NYS - contractors request reconsideration 6/27 L To--Appvs substitution.6/28	
236342	7/2	To NYS	Regt blueprint of plan showing 3rd deck aft. L NYS - fwds print 7/11 L	

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IDAHO: ELEC. PLANT.

Number.	Date.	From or To—	Subject.
198472	8/24	NYS	Centre line passage for wiring; fwds plans.L To--Appvs with modi. 9/9
200911	10-2	NYS	Centre line passage; plan showing modified elec installation. L
201390	1066	NYS	Port and stbd wiring passage; installation. plan/ L
201558	10-7	NYS	Elec leads in wiring trunks and turret tubes; turrets 1 to 4; plan.L
202268	10-1 3	NYS	Finsihed plans; request authority to include 200 in lieu 50 prinsin portfolio. To--Appvs. 10/19
202456	10/17	To NYS	Record of elec appliances. Bu desires to increase by 5 the number of. L
205485	11-11	NYS	Turret wiring trunk arrgt; voice tubes,etc.L

N.S.E. Form 134.

IDAHO: ELEC PLANT. 563-3

Number.	Date.	From or To—	Subject.	
206078	11-17	NYS	Boiler rooms and wiring passages; inc cost change in running leads. L. To--Change appvd. 12/5 To Gen Inspr. 12/5	
206100	11-17	NYS	Inc cost additional Record of Elec Appl. L To--Unless contrs make assurances that cost will be decreased will cancel order for additional copies. 12/6	
206101 Void	11-9	NYS	Ships service telephone system inc cost.L	
206099 Void	11-17	NYS	Auxiliary rudder indicator system; inc cost.L	
209475	12/22	NYS	Additional record of appliances. Est inc cost. L To--Change appvd. 1/3 To Gen Inspr--1/3 To Phila--Cancels letter 1/3. 4/28	
213106	1-31	NYS	Stbd wiring passage details; fwds plan.L	
215575	2-21	NYS	Elec leads and voice tubes in turret wiring trunks; plan.L To--Leads for turret auxiliary power battery charging should be added to plan.3/13	
212629	2-26	TO NN	Watertightness of bulkheads; re running of elec leads.	554-15
217591	3-9	NYS	Elec installation centre line passage;plan:L	

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IDAHO: ELEC PLANT.

Number.	Date.	From or To—	Subject.	
164730	8-31	NYS	Specns for elec plant; recommends certain changes.L To C&R--Have auth changes in.9/3 To--Auth changes.9/3 To NY-NN--Ditto.9/3	
165205	9-8	NYS	Casing for wire leads in magazines; plan.L To-- Appvs with comment.9/14	
165751	9-14	NYS	Data for installing plain and leaded and armored cable Prints.L	
NY 474	9-14	N.Y.	CALIF. reqsn. to cover purchase of elec. plans	554-3
167232	10/1	C&R	Casing for wire leads in magazines.L Retd--Satis' 10/8	
168832	10/20	To Cramps	Fwds power type plans; arrgt of control for running and anchor lights; elementary diagram and diagrammatic arrgt of optical rang finder transmitting system	562-3
169435	10-26	NYS	Casing for wire leads in magazines; plans.L Fwd NYS--Appvs as modi' 11/9	
172470	11-26	NYS	Fqds sample of 4 conductor leaded and armored cable. L	
173214	12-6	NYS	Casings for wire leads in magazines; print.L	
167255		Corres with C&R	Compartment and access plans; re location radio room, etc	554-3

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IDAHO: ELEC. PLANT. 563 -- 3

Number.	Date.	From or To—	Subject.	
176340	1/15	C&R	Emplying unskilled labor and foreigners in connection with fires; no further accidents; recommends matter be dropped	522-3
177701	1-31	NYS	Water tight attachment plugs; asks type to be installed.L To--In accordance with drawing 9072. 2/5	
183601	4/3	NYS	Method of securing elec leads and fittings; fwds prints and recommendations.L To--Appvs. 4/6	
187440	5-10	C&R	Turret wiring trunks; fwds plans.L Retd Via Ord--Appvs with comment. 5/19	RB 6/21
191294	6-19	NYS	Contractors submit proposed arrgt of installation elec leads thru turret wiring trunks.L	
197090	8-18	NYS	Wire leads in magazine casings for; plan.L	
197461	8-22	C&R	Turret wire trunks; arrgt; elec leads voice tubes,etc. L Plans. Fwd C&R via Ord 8/31 ~~RB 9/21~~	
197647	8-18	NYS	Passages; elec installation.L To 8/31 NYS fwds print showing method of installing cable in voice tubes 9/6 To--Appvs plans with changes.9/9	

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IDAHO: ELEC PLANT.

1915

Number.	Date.	From or To—		Subject.	
143994	1-8	NYS	32-229	Reqt type plan od light, power and I-C systems.L To--Not yet ready for issue. 1/15	
144058	1-7	C&R	97-1	Elec wire trunks; fwds plans. L. Retd-- Comments. 1/16 To NYS-- Fwds copy above end; reqt Bu be furnished with desired information. 1/16 To--Arrangement satis. 3/3	
144568	1/16	To Ord		Asks if any modi have been made in electric auxiliaries	554-3
145366	1/23	C&R		Elec. auxiliaries; revised list	554-3
146062	2-1	NYS	197-298	Proposed arrgt of wiring trunks.L To-- Instructions, 2/4	
146111	2-12	NYS	255-2417	Double feeder junction box for 1-1/2" stuffing tube; plan.L To--Appvs. 2/15	
148133	2-24	NYS		Proposed arrgt of wiring trunks.L To--Instructions. 3/3	
150574	3-22	C&R		14" turret; base castings; fwds.L To--Satis to Bu. 3/27	
153454	4-26	C&R		Turret base casting; fwds plan.L	

N.S.E. Form 134.

IDAHO: ELEC PLANT. 563-3

Number.	Date.	From or To—		Subject.	
154768	5-11	C&R		Fwds request NYS Co. for print showing arrgt turret officers station, instruments and all elec equipment in turrets. L Fwd C&R--Plans fwd to Insp. 6/2 C&R reqt plan 6-11 To-- Fwds plan. 6/14	
154875	5-12 5-12	C&R Ord		14" turrets; reqt print showing arrgt of elec instruments. L Fwd Ord-- Fwds plan of. 6/2	
156504	6-2	NYS	823-103	Elec cable in vicinity of compasses; armoring of. L To--Instructions. 6/5	
156298	5-29	NYS	813-239	Bus feeder and generator leads; sizes; fwds contractors request to change To--Appvs change with comment. 6/7	
158497	6-19	NYS	906-2027	Method of installing armored cable for voice tubing; plan. L To--Appvs with modi. 6/24	
158650	6/22	NYS		Forwards correspondence with Supt Constr re armoring of electrical cables in vicinity of magazine compasses. L	522-3
159204	6-28	NYS		Method of installing armored cable and voice tubes	
162559	8/4	NYS		Fwds print showing installation of plain armored, leaded and armored cable. L	
163622	8/17	NYS	1259-37	Marking of IC circuits. L	

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IDAHO INT COM SYS 1922 51

Number.	Date.	From or To—	Subject.	
654438	12/15	Pug Snd	Voice tubes installed. Fwds prints. L	

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Number.	Date.	From or To—	Subject.	

IDAHO INT COM SYS 1922

Number.	Date.	From or To—	Subject.	
639239	8/17 8/25	Pug.Sd. C&R	Proposed location of torpedo defense stations and schlights- fwds prints.L Fwds C&R 8/29 C&R Copy action to Pug.Sd. 9/6 L	
639963	8/30	Pug Sd T	Request approval of anti-aircraft fire control telephone & salvo plan similar to NEW MEXICO L To Comdt Pug Snd- T Install salvo and fire control tele aintiarcraft sys per Bu letter 152509-247-1 Nov 23. No plan N Mex instln. 9/1 L	
639976	8/21	CO IDAHO	Request install pneumatic dispatch tube signal bridge and communication office C&R request recommendations as to applicability for other vessels of class. L	768
640151	8/31	Pug Sd T	Request authority to proceed with engineering work in conn with raising & enclosing defence stations & tops L To Comdt Pug Snd T Approved 9/6 L	

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Number.	Date.	From or To—	Subject.	
643014	9/22	Pug Sd	Sperry gyro compass & fire control systems. Fwds prints L To Pug Snd Plan appvd with comment 10/28 Pug Snd 12/1 Sperry Fire Control system- Fwds prints L To Navign- Fwds print 12/19	
643713	9/16 9/27	CO Pac Fleet	Cummings log removed L	
646452	10/10	CO	Cory revolution indicator recommends old be renewed and satis furnished L Fwds Pug Snd 10/25	
650562	11/22	C&R	Rearrangement of voice tubes in plotting room. Fwds prints L	

IDAHO INT COM SYS

1921

Number.	Date.	From or To—	Subject.
522951		SEE CARD 47	To Pug Snd Fire Control board Changes; Appvd 3/11
			Y
			To Pug Snd (T) Gives action 3/11
			Pug Sd-fwds plans and photos-9;7-L
557428	4;13	Navgn	Copy of letter to Pug Sd approving alterms to gyro compass equipment.L
565004	5;19	C&R	Insulation and arrangement of plotting room-fwds printw.L
	Fwd C&R 6/22		Fwd Dept via Operns cc C&R 6/8 RB-6;16-L
	C&R-copy of action to Pug Sd-7;11-L		To Pug Snd Gives Action cc CO-C&R 6/22
566962	5;11	CO	Recommendations for instaln of storage battery for broadside director system.L
	5;31	Ord	To CO Recomdn appvd cc Ordn- Pacific Fleet-C-I-c Pacific Fleet 6/10

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IDAHO: INT COM SYS 1921

Number.	Date.	From or To—	Subject.	
568030	6/10	To Pug Snd	Authorizes Instln of auxiliary current supply for broadside director follow-the-Pointer system cc CO's WYOMING ARKANSAS New Mexico MISSISSIPPI IDAHO TENNESSEE C-I-C Atl Fleet Y	562-4
586112	9;19	CO T	Reqt immediate shipment of Forbes log transmitter and various parts. L To Boston Reqst Action cc CO 9/21 Boston-9;29-L To Boston -Reqst Action 10/1 Boston-10;7-L To CO- Gives in orm rel shipmt of log cc Boston 10/8	
	1922			
609018	11/9 2/9	CO C&R	Request install voice tube from conning tower to battle signal station. L To C&R Gives Action 2/15 C&R Copy action to Pug. Sd. 2/24 L	
635836	6/8 8/1	CO C&R	Request install independant voice tube between center engine room and each fire room. L	

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[OVER.]

Number.	Date.	From or To—	Subject.	
543766	1;25	Pug Sd	Recommends relocate voice tube and call bells on bridge from present position to port side of mast-submits estimates with photographs.L	
			To Pug Snd Gives Inform re qork cc ordn C&R CO 2/18	6
543957	12;27 1;21	CO Pac Flt	Request rearrange motor generator in icroom.L	
			To CO Alt disappvd cc Comdr Pac Fleet- C-I-C pac Flee 2/9/21	
543956	12;27 1;21	CO Pac Flt	Request relocate voice tube call bell push button on navigating bridge.L	
			To Co Disappvs alt cc ac Fleet- Comdr Pac Fleet 2/9/21	
543958	12;27 1;21	CO Pac Flt	Request relocate shaft revolution transmitter for revolution converters.L	
			To CO Alt appvd cc ac Fleet- C-I-C Pac Fleet- Nagivn 2/5/21	
545777	2/15	To C_E	Enlargement of Plotting room; Recommended cc cc CO L	
547611	2;19	C&R	Copy of letter to Pug Sd authorizing instaln of voice tubes listed.L	
6				
548575	1;19 2;25	CO Pac Flt	Request instal addtl panels for gyro repeater.L	
			Fwd Navign 3/2 Fwd rdn 3/9 RB 3/17	
			To CO Grants authy cc PacFleet- rdn 3/18	
548577	1;19 1;25	CO Pac Flt	Request rearrange turret salvo system switchboard.L	
			Fwd Pug Snd 3/9 RB-3;24-L	
			To Pug Snd Appvd cc C-I-C Pac Fleet- CO 4/2	

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563-4: IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
549135	12;22 2;16	CO Pac Flt	Request instal gyro compass repeater on starboard throttle port center engine room.L Fwd Navign 3-3
549133	1;19 2;16	CO Oac Flt	Request instal new Sperry fire control panel.L To CO Gives action cc Pac Fleet 3/18
535291		SEE CARD 47	To Pug Snd Will not instln loud speaking telephones cc CO 3/9/21 L
550181	3;5	CO T	Request Submarine Signal Co ship spares for Forbes log.L To SO Boston Gives list of spare parts to be shipped cc CO S&A 3/9/21 L Boston-3;30-L Fwd CO cc SO Boston 4/5 RB-4;26-L

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[OVER.]

IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.	
464542	12;15	Inspr NYS	Omission of contact maker on bridge and the addition of one contact maker at each torpedo defense chief control ~~xxxxxx~~station fwds estimated increase in cost.D	
464505	12;15	Inspr NYS	Installation of Blinker signal set on mainmast. Fwds estimate increase in cost. D	
472563	1/30 CO-7;30PL	To CO	Quotes from report of elec plant 1-2-20 Info reqst if alteration overcome defect. LY To C&R 1/30 copy CO CO-6;4-L To CO Advises will appv reqn for neccy amt of insul. compound 6-16.	
489194	4;6 4;22	CO Ord	Soft composition insulator of blade carrier and base of snap switches and turrets frequently break-recommends better material be used.L To CO- Reqts fwd sample of defective base and other insulated parts of snap switch. copy to PAC FLT/ 4-28 CO-fwds broken parts of snap switches-5;6-L To CO Reqst such defects in apparatus be reported to Bu. 5-21.	
498671	6/9	Ordnance	Are ordering ships bearing indicators for installation in torpedo rooms from vessels IDAHO TO WYOMING class; L	647-1

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563-4: IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
238			
505328	7;9	Pug Sd	Submits request for information relative to pneumatic tube system.L&W To Puget Sd (T) 7/15
519146	9;20	Pug Sd	Asks what specns and plans to follow for fire control telephone switchboard.L To Pug Snd Gives detld inform 9-30.
2 521951	9;14	CO	Submits report on deficiencies of fire control telephone switchboard with recommendations.L To CO Fwds Plans 11-8 cc Pug Snd- C-I-C Pac 11-8 Pug Sd-recommendations covering inc in side of cables-1;24 Pug Sd--Fwds Phots and prints. 1/25 L
530421	11;19	Cory & Sons	Takes exception to Co's renewing indicators installed on with a later design.L To Chas Cory & Son- Satisfy 12-3 Pug Sd-copy of action to Cory & Sons-1;15-L
531854	11/29	C&R	Evershed and Chadburn control for IDAHO-n MISSISSIPPI NEW MEXICO & TEXAS- Fwds prints. L
535012	12;8 12;15	Nav Aca Navgn	Request drawings and pamphlet of hydrostatic speed lock as fitted on board IDAHO.L To Annpolis Fwds booklet 1/4/21
535299	11;21	CO	Request change location of voice tubes in booth of all turrets.L Fwd C&R 12-30 RB 1/10 Fwd C&R 1/14/21
535291	11;21 12;16	CO C&R	Regt install voice tube from conning tower to battery signal station.L Fwd C&R 12-21 Pug Sd-2;25-L&Y Fwd C&R 2/12/21

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C&R-copy of action to CO-12;29-L
C&R-fwds report from CO-2;7-L
To Pug Snd Gives inform cc C. 2/12/21

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IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
464532	12;15	Inspr NYS Fwd Solicitor. 12-26	Alterations and additions to plotting rooms-fwds estimated increased cost.S
464531	12;15	Inspr NYS	Installation of wire for additional multiple turret indicator in fire control tower-fwds estimated increase in cost. D
464530	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Addition of fire control telephoens JA JB and 2JD in foretop, and JA and JV and 2JE in maintop-fwds estimated increase in cost.D
464528	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Installation of one ship's service telephone in each fire room-fwds estimated increase in cost.D
464526	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Addition of fire control telephone system, 2JK and 3JW-fwds estimated increase in cost.D
464536	12;15	Inspr NYS Fwd Solicitor. 12-24 RB-12;31	Installation of target bearing transmitter in high turrets-fwds estimated increase in cost.D
464538	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Addition of plotting indicators in maintop,foretop and fire control tower.D

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563-4: IDAHO: CNT COM SYS:

Number.	Date.	From or To—	Subject.
464539	12;15	Inspr NYS Fwd Solicitor. 12-26RB-12;31	Changes in the fire control system-fwds estimated decrease in cost.D
464540	12;15	Inspr NYS Fwd Solicitor. 12-24RB-12;31 RB 12-30;	Change from gun firing system and local turret fire control system to director firing - fwds estimated increase in cost.D
464541	12;15	Inspr NYS Fwd Solicitor. 12-24	Addition of plotting indicator in the torpedo room-fwds estimated increase in cost.D
464546	12;15	Inspr NYS Fwd Solicitor. 12-24 RB-12;31	Addition of target turret bearing transmitter in maintop-fwds estimated increase in cost.D
464545	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Installation of torpedo defense salvo system-fwds estimated increase in cost.D
464544	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Installation of ammunition supply telegraph system-fwds estimated increase in cost.D Inspr NYS-2;25
464543	12;15	Inspr NYS	Installation of ships service telephone in radio communication office-fwds estimated increase in cost.D

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IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
464603	12;15	Inspr NYS	Change in bell and buzzer in fire control tower to a two light indicator and change in size of lead thereto-fwds estimated increase in cost.D
464508	12;15	Inspr NYS	Installation of an anti-aircraft fire control telephone system-fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB 12-30;
464507	12;15	Inspr NYS	Installation of additional voice tube return call-fwds estimated increase in cost.D
464506	12;15	Inspr NYS	Electrical work under this Bureau necessitated by the installation of a plotting indicator in the conning tower-fwds estimated increase in cost.D
464504	12;15	Inspr NYS	Installation of a telemotor indicator system-fwds estimated increase in cost.D
464502	12;15	Inspr NYS	Installation of auxiliary rudder indicator system-fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB 12-30;
464519	12;15 Fwd Solicitor. 12-24 RB-12;31	Inspr NYS	Installation of shaft revolution indicator system-fwds estimated increase in cost.D

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563-4: IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
464518	12;15	Inspr NYS	Addition of permanently installation fire control telephone system on torpedo defense system-fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB-12;31
464514	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Addition of directorscope correction system-fwds estimated increase in cost.D
464513	12;15	Inspr NYS	Installation of wiring for Forbes log system-fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB 12-30;
464525	12;15	Inspr NYS	Installation of a turret training warning signal system-fwds estimated increase in cost.D
464524	12;15	Inspr NYS Fwd Solicitor. 12-24 RB-12;31	Installation of an auxiliary rudder indicator system-fwds estimated increase in cost.D
464521	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Addition of cable for psy station telephone fwds estimated increase in cost.D
464534	12;15	Inspr NYS	Addition of Fords range keeper system-fwds estimated increase in cost.D
464533	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31 RB-1;2	Addition of fire control telephones?JA & JV in lee of turret No.3 main deck.fwds estimated increase in cost.D

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IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
464499	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Installation of additional ship's service telephones to replace certain omitted voice tubes.D estimated increase in cost.D
464496	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	~~Inspr~~ Addition of portable salvo contact maker in topmast-fwds estimated increase in cost.D
464495	12;15	Inspr NYS	Packing and shipping CN telephones for conversion to UTAH type to be installed fwds estimated increase.D
464494	12;15	Inspr NYS	Length of wire on topmast occasioned by the reduction in height of topmast-fwds estimated decrease in cost.D
464493	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Addition of motor generator sets for current supply for Sperry Fire Control and Director follow-the-pointer systems-fwds estimated increase in cost.D
464491	12;15	Inspr NYS	Omission of meggars from electrical testing instrument list-fwds estimated decrease in cost.D
464510	12;15	Inspr NYS Fwd Gen. Insp Phila. 12-24 Te Phila-12-24-RB-12;25	Electrical work necessitated by the fitting of sound proof booths in the firerooms-fwds estimated increase in cost.D

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Number.	Date.	From or To—	Subject.	

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IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
464468	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Addition of fire control telephones in broadside director station.fwds estimated increase in cost.D
464469	12;15	Inspr NYS Fwd Solicitor.12-26 RB-1;2	Additions and omission on turret salvo system bells and buzzers-fwds estimated decrease in cost.D
464473	12;15	Inspr NYS Fwd Solicitor.12-26 RB-12;31	Addition of metallic stowage boxes for fire control telephones-fwds estimated increase in cost.D
464474	12;15	Inspr NYS	Addition of voice tube calls between flag radio room and auxiliary radio room-fwds estimated increase in cost.D
464475	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Change from metallic stowage boxes for fire control telephones to leather stowage boxes furnished by the Government-fwds estimated decrease in cost.D
464478	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Addition of Vickers broadside director follow-the-pointer system-fwds estimated increase in cost.D
464472	12;15	Inspr NYS	Changes in interior communication switchboard-fwds estimated increase in cost.D

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563-4: IDAHOP INT COM SYS

Number.	Date.	From or To—	Subject.
464479	12;15 Fwd	Inspr NYS Solicitor. 12-26 RB-12;31	Installation of salvo pilot buzzers on torpedo defense salvo signal system at forward and after torpedo defense platforms in cage mast-fwds estimated increase in cost.D
464480	12;15 Fwd	Inspr NYS Solicitor. 12-26 RB-12;31	Rearrangement of bridge instrument and wiring for same-fwds estimated increase in cost.D
464481	12;15	Inspr NYS	Omission of voice tube calls to and from the navigating bridge-fwds estimated decrease in cost.D
464482	12;15 Fwd	Inspr NYS Solicitor. 12-26 RB-1;2	Changes in voice tube call bell system-fwds estimated decrease in cost.D
464487	12;15 Fwd	Inspr NYS Solicitor. 12-26 RB-1;2	Change in bridge instruments and fire control telephone system-fwds estimated increase in cost.D
464489	12;15 Fwd	Inspr NYS Solicitor. 12-26 RB-1;2	Change in testing and measuring instruments-fwds estimated decrease in cost.D
464500	12;15 Fwd	Inspr NYS Solicitor. 12-24 RB 12-30;	Addition of ship's service and fire control telephones in battle signal stations, port and starboard-estimated increase in cost.D

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IDAHO INT. COM. SYSTEM

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Number.	Date.	From or To—	Subject.
424116	6/4	Inspr N.Y.S.	Voice tube calls between Flag radio room and auxiliary radio room- estimate of increased cost. L. To Inspr NYS- Change appvd and referred to Board on changes. 6-16
425354	6;11	Ins. NYS	Vicker broadside director sytem Increase in cost. L To- Change auth and referred to bd on changes for appvl. 6-19
425742	6/16	CO (T)	Rqst authoirze installn of one batt for Gun firing and Navigational services. L. To CO(T)- Appvd not to interfere with movements of vessel. 6-17
425906	6-16	N Y	Voice tube communication to battle signal stations. Fwds prints. L Fwd C&R. 7-1 C&R 7/11
428403	6/26	CO T	Reqst authority to install gyro compass repeater panel. To NY (T)- Auth grated undertake work under SE comection installation gyro compass repeater panel. 6-26 copy by mail to CO. 6-26
428027	6-23	Inspr NYS	Fwds copy of ltr to contractor in conn w 20 volt battery for gyro compass equipment. L
435118	7:23	Inspr NYS	Change in bridge instruments and fire control telephone system-submits estimate. L

Fwd Solicitor. 8-5 -RB-8;11
Change appvd and fwded to Board on changes. 8-14
To Inspr NYS/

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563-4:IDAHO: INT COM SYS

Number.	Date.	From or To—	Subject.	
438775	8;8	Inspr NYS	Modification of testing and measuring instruments-estimate of decreased cost.L	
	Inspr NYS-8;16			
To Inspr NYS- Auth of Dept given in Bu letter of 8-14th is correct. 8-20			To Inspr NYS- Change auth and referred to Board on Changes. 8-14	
438776	8;7	Inspr NYS	Omission of meggers from elec testing instruments-lists estimate of decreased cost.L	
			To- Changes appvd and referred to board on changes. 8-14	
457412	11/13	To C&R	Quotes from report, voice tube defects and reqst remedy when vessel available.	Ly
464428	12;15	Inspr NYS	Rearrangement in the air lock indicator system-fwds estimated increase in cost.D	
464430	12;15	Inspr NYS	Installation of an oil burner control system-fwds estimated increase in cost.D	
			Fwd Solicitor. 12-24 RB 12-30;	
464434	12;15	Inspr NYS	Installation of automatic dead reckoning system-fwds estimated increase in cost.D	
			Fwd Solicitor. 12-24 RB 12-30;	
			Inspr NYS-2;19	

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IDAHO INT. COM. SYSTEM.

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Number.	Date.	From or To—	Subject.	
421195	5-26	Inspr N.Y. Ship	Backing and expressage C-N telephones. Submits estimate of increased cost L To- Change appvd and referred to Bd on Changes. 6-11	
421194	5-26	Inspr N.Y. Ship 8	Additional laundry Machinery. Submits estimage of increased cost L	
421856	5/27	Inspr N.Y. Ship.	Storage bozes for fire control telephones Subm estimate of decreased cost. L. Fwd Solicitor. 6-7 RB 6/12 To Inspr NYS- hange auth and referred to Bd on changes. 6-14	
423248	6-4	Inspr N Y Ship.	Change in bell and buzzer in fire control tower to a 2 light indicator- Estimate of increased cost L To Inspr NYS- hange appvd and referred to Bd on changes. 6-7	
423247	6-4	Inspr N Y Ship.	Reduction in height of topmast- Estimate of decreased cost - L to Inspr NYS- Change appvd and referred to Bd on changes. 6-7	
423246	6-4	Inspr N Y Ship.	Directorscope in topmast- Estimate of increased cost - To- Change auth and referred to Bd on changes. 6-12	
423251 To Inspr NYS- Bd on changes. 6-7	6-4	Inspr N Y Ship. Change appvd and referred	Addtion of current supply for Sperry fire control and direct follow pointer system - Estimate of increased cost -	L

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IDAHO: INT. COM. SYSTEM.

Number.	Date.	From or To—	Subject.	
423250	6-4	Inspr N Y Ship	Additions and omissions on turret Salvo system - Estimate of decreased cost - To- Change auth and referred to Bd on changes. 6-12	L
422737	6-4	To Inspr NYS	Director Firing and Director follow-the-pointer systems. Inform as to status of work. RB 6/11- Fwd I.M. Ny. 6-14	L-Y
423581	6-4	Inspr NYShip	Torpedo Defense Salve system- Fwds estimate - L To- Change appvd and referred to Bd on Changes. 6-11 Ins. NYS 6:12	
To Inspr NYS- Fwds copy of letter to Gen. Inspr. 6-19				
424123	6-4	Inspr NYS	Voice tube calls to and from navigating bridge - Estimate of increased cost To Inspr NYS- Change appvd and referred to board on changes. 6-18	L
424113	6/5	Inspr N.Y.S.	Omissions and addition of voice tube calls- Subm estimate of increased cost. L To Inspr NYS- Change auth and referred to Bd on changes. 6-25	
Fwd Solicitor. 6-19 RB 6:23				
424118	6/5	Inspr N.Y.S.	Re-arrangement of board instruments- estimate of increased cost. D.	
To Inspr NYS- Change auth and referred to board on changes. 6-19				
424119	6/5	Inspr N Y S.	Changes in I.C. switchbd - estimates of increased cost. L. To- Change auth and referred to Board on Changes. 6-14	

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IDAHO: INT. COM. SYSTEM.

Number.	Date.	From or To—	Subject.	
416807	5-7	NYS	Addition of fire control phones JA and JV in turret #3 - L To - Change auth and referred to Bd on Changes. 5-13	
417314	5;1	NYS	Installation of Ford range keeper Change in cost L To- Change appvd and referred to Bd on Changes. 5-13	
417315	5;9	NYS	Installation of directorscope coil system change in cost D To- Change auth and referred to Bd Changes. 5-19	
417810	5-12	C&R	Copy of letter toCO forwarding prints cage masts and platforms. L	
417316	5-16	Fwd Solicitor	Additional Ship's Service Telephones due to omission of voice tubes. Ln RB 5;22 To Inspr NYS- Change auth and referred to board on changes. 5-26	

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IDAHO: INT COM SYSTEM

Number.	Date.	From or To—	Subject.	
420186	5;21	Ins. NYS	Fwds corrected list of boice tube location L	
420763	5;23	C&R	CO req. change voice tube in pointer pits L To- Recommendations of C&R satis. copy to CO and I.M. Ny. 5-29	
419040	5-23	To CO	Shaft revolution indicators. Will take steps to have equipment corrected. L copy to I.M Ny To Chas. Cory &b Son- Reqts make investigation re trouble with shaft revolution indicators. copy to I.M. Ny and CO. Cory & Son 5/26/ Cory & Son 7/9	
420050	5-23	To I.M. Ny	Turret Officer's Selector Switch. Auth mfg of in accordance with plan listed. L-Y NY req. drawing 5;29 L	
421196	5-26	Inspr N.Y. Ship	Stoage box for fire control furnace. Estimate of increase cost. L Fwd Solicitor. 6-7 RB 6/12 To Inspr NYS- Change auth and referred to Bd on changes. 6-14	

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Number.	Date.	From or To—	Subject.
412160	4;18	Ins. NYS	Cease firing sys. for tpdo . defense battery ; estimate increased cost. L To- Changeappvd and referred to Bd changes.4-25
412162	4;18	Ins. NYS	Changes in tpdo. room installation: estimate increased cost L To- Change auth and referred to Bd changes.5-1
412161	4;18	Ins. NYS	Addition of target turret transmitter in main tube. estimate in increased cost. L To- Change auth and referred to Bd changes.5-1
412164	5-1	To Inspr NYS	Change from gunfiring system auth and change referred to Bd Changes. L
412182	5-1	To Inspr NYS	Additiona of plotting indicators in maintop, foretop, and fire control tower. Change appvd and referred to Bd Changes. LN
415701	5-1	NYS	Installn of wiring for Forbes log system- increased cost - Y Fwd Solicitor. - 5-13 RB 5;19

To Inspr NYS- Change auth and referred to Board on changes. 5-21

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Number.	Date.	From or To—	Subject.
415700	5-2	NYS	Installn of permanently installed fire control phone systems for torpedo defense purposes- Increased cost- L Fwd Solicitor. 5-9 RB 5:14 To -Change auth and referred to Bd Changes. 5-19
415699	5-2	NYS	Shaft revolution indicator system- Change in cost - Fwd Solicitor. 5-9 To- Change auth and referred to Bd Changes.5-19
416507	5/5	NYS	Installation of wiring for additional multiple turret indicator in fire control tower - change in cost - L To- Change appvd and referreed to Bd on Changes. 5-13
416506	5/5	NYS	Additions to fire control telephone system - Z J K & Z J W - change in cost - L To Inspr NYS- Change auth and referred to Bd Changes. 5-16
416508	5/4	NYS	Alterations and additions to plotting room - change in cost - L To- Change auth and referred to Bd on Changes. 5-13
416509	5/5	NYS	Changes in fire control system due to fire control board - report 1915 -- decreased cost. to- Change auth and referred to Bd on Changes.5-13
416501	5/5	NYS	Addition of fire control telephones in fore top and main top - change in cost. To- Change appvd and referred to Bd on Changes. 5-13
416499	5/5	NYS	Communications to battle signal stations - change in cost - L Fwd Solicitor. 5-10 RB 5:14 To Inspr NYS- Change auth and referred to Board on changes. 5-21
416806	5-7	NYS	Addition of fire control phones in broadside director station- Increased cost- L Fwd Solicitor. 5-14 RB 5:19 To- Change auth and referred to Board on changes. 5-21

Number.	Date.	From or To—	Subject.	
405872	3;25	NYS	Reports contr. have installed Int. Com. and lighting cables instead of telephone cables on leads and telephones and outlets; req. instructions L To- Use of other than telephone cable on branch leads not in excess of 60 ft appvd. 4-1 copy to I?M. Ny Ins. NYS installation of target bearing transmitter in high turrets submits estimate of increased cost 4-8 L (cross to 563- 4) L	
409512	4-8 Fwd Solicitor via Ordnance. 4-12 RB 5;2 To Inspr NYS-Change auth and referred to Bd. Changes. 5-9	Ins. N S	Installation of target bearing transmitter in hight turrets submits estimate of increased cost L To Inspr NYS- change auth and referred to Bd Changes. 4-15	
409513	4-8	Ins. NYS	Installation of automatic dead reckoning syst. submits estimate of increased cost L	
409524	4-8 To- Change auth Referred to Bd changes. 4-12	Ins. NYS	Installation of aux. rudder indicating system estimate of increased cost L	
410407	4-11	C&R	Fwds cy of letter from O rdn pertaining to installn of reduced air line to torpedo rooms steam heaters in torp roomd etc. in conn with prelim trial D	563-2

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N.S.E. Form 134.

1910 1948

IDAHO: INT COM SYST.

Number.	Date.	From or To—	Subject.	
412182	4;17	Ins. NYS	Addition of plotting indicator in main tube, foretube and fire control tower submits estimate increased cost L	
412181	4;8	Ins. NYS	Installation of ships service telephone in aft fire room estimate of increased cost L	
To Inspr NYS- Change appvd and referred to Bd on Changes. 5-13			Fwd Solicitor. 5-3 RB 5;10	
412180	4;17	Ins. NYS	Installation of ships service telephone in radio communication office : submits increased cost L	
			To- Change appvd and referred to Bd changes.4-26	
412175	4;17	Ins. NYS	Addition of ammunition supply telegraphic system ; estimate of increased cost L	
			To- Change appvd referred to Bd Changes. 4-28	
412177	4;17	Ins. NYS	Insta lation of tpdo. defense salvo sytem estimate in increased cost L	
			NYS ret. let. sent to their office evidentally in error 4;30	
412164	4;18	Ins. NYS	Change from gun firing system to director firing system ; estimate o f increased cost L	

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[OVER.]

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
387507	1/21 3;4	NYS NYS	Request rheostat from motor generator for interior communication system - L To- Inform as to responsibility of damage to starting panel.
389346	1;25	Ins. NYS	Req. switches for director firing system be fwded as soon as possible L To- Turret Officers switches required for the gun firing and director indicator system will be furnished. after ship is turned over to government. 2-1-19
390144 Ordn - 3/6 Fwd Inspr NYS.	1-29 2;21	Ord Nav. 3-13 RB 3;19	Gyro compass repeater panel; recommends addtional 1 be installed L Fwd Navgn. 2-1 Ins. NYS ask if additional panel will be installed before ship leaves yard 2;13;19 Fwd Navgn. 2-18 RB 2;25
392748	2/6	NYS	Copy of letter to NY Yd asking when telephone equipment will be supplied - L To- Gives status of equipment as listed. 2-14
395028	2;11	NYS	Req. loud speaking telephones be shipped immediately W To- Delivery to be at NY yd for installation by Ship's force after delivery of vessel to government. 2-26

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N.S.E. Form 134.

1919

IDAHO: INT C M SYS

Number.	Date.	From or To—	Subject.
398111	2;6	C&R	Relative to installtion Forbes Log. Fwd C&R. 3-14
398354	2;27 3;21	Ins. NYS Ins. NYS	Ask if Bur has any record of ommission of alidades for conning tower L Fwd Navgn. 3-6 RB 4;17 Fwd Navgn. 3-15 RB 3;21 Fwd Inspr NYS- 3-24 R B 3/26
399784	2;2; 3;4	CO Ord	Alidades for conning tower designed to fit on bulk heads of
400744	3-7	N.Y. SHIP	Relative to making test of voice tube system. L To- Gives detail comment on. 3-14 To- Satis for NY Yd to undertake installation of calls for voice tube 263 after the vessel is turned over to government. 3-25 copy to I.M. Ny. NYS - 3/21
403528	3;10	NYS	Mechanical int.Com. system fwds prt. D
404624	2;21 3;21	CO C&R	Submits req. for additional allowance of pneumatic tubes L Fwd C&R. 3-31 C&R copy of instr. to NY 4-9 D

IDAHO: INT COM SYSTEM.

Number.	Date.	From or To—	Subject.	
248923	11/12	To Inspr NYS	Asks info re shipt IDAHO Forbes Log outfit Inspr NY Ship 11/29 Idaho asks if forbs Log will be de ivered before delibery to vessel. R.	665-2
378417	12;17	Ins. NY ship	List of voice tubes and prints covering L	
377260	12-16	To Insp. Camden	Fwds. triplicate blue print copies of B.plan Ins. NYS fwds wiring diagram 12;30	
378677	12-21	Inspr. NYShip	Contractors request disposition of gyro compass intended for flag radio room L	
379677	12-28	Fwd. Bu NAV	For comment by Bu NAV. R B 1;17;19	
			1919	
384365	1;9	NYS	Ask auth. foromitting mechanical operated range dials. D Fwd Ordnance. 1-17 RB 1.24.19 To- Concurs in reco mendation 1-17 To- Fwds copies of correspondence auth omission of mechanical range and deflection dials for transmission to stations. 1-25	

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N.S.E. Form 134.

IDAHO: INT COM SYST.

1919

Number.	Date.	From or To—	Subject.
384686	1;11	Ins. NYS	Have made arrangements to have calibration of Corey generator for shaft. ref. ind. completed before ship leaves yard L
385208	1;13	Ins. NYS	List of ships service telephones elementry wiring diagrams - fwds prints L
361317	2;18	SEE CARD 34 U&R	Ins. NYS comments on alterations 1;16;19 C&R - fwds voice tube prints - 7/1
387098	1/17	NY	Loud speaking telephone system - alterations- fwds prints.
388242	1;22	Ins. NYS	Int. com. switchboard fwds print L

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[OVER.]

IDAHO: INT COM SYSTEM

Number.	Date.	From or To—	Subject.
349847	11-4 12;31	FROM CARD 32 Ins. NYS	Inspr. New York Ship - will submit report in one week L New York Nov. 12 - Request action Inspr. NYShip Nov. 18 - Fwds wiring prints L To Inspr Camden, Approves alterations re fire contril telephone system, 11-26
367414	11-7	NYS	Monthly reprot D
361317 To C&R- 7-3	1-20	Fwd C&R.	Voice tube communication to battle Signal stations. L copy to NYSL Fwd C&R. 3-8 copy to Inspr NYS and NY
368962	11-14	New York Ship	Relative to FOB LOG Outfit To Inspr NY SB Corp, Re above will be installed at N Yd., 11-19
371525	11;22	Ins. NY Ship	Constractors req auth. to make relocation of instruments on bridge as listed L To Inspr Camden, Rearrangement of bridge, lenghting of Elect leads, 11-26 NYS - 1/7 To NYS- approves list of material- 1-11
370485	11-19 11;23	Bu. of Ord. Ord	Requestfire control telephone out lets in torpedo room L To Inspr Camden, Reqts authority for ships force to install rpovisions for tracking in torpedo room, 11-26 Inspr. NY Ship Dec. 11 NYS - fwds fire control and manouvering telephone prints - 12/30 - L
372935	11;27	NY ship	Installation of wiring for additional multiple turret train indicator in fire control tower L To Inspr NYS,comments re above,12-4

o Inspr NYS- Not desired that work of installing phone outlets to delay delivery of vessel. 12-19

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N.S.E. Form 134.

563- 4 IDAHO: INT COM SYSTEM

Number.	Date.	From or To—	Subject.	
373058	11;27	Ins. NY ship	Req. speaking telephones fwds print for wiring diagram L To Inspr NYS, re loud speaking tele sys, 12-7 Ins. NY ship fwds print of elementary wiring diagram 12;14	
248923	11/12	To Inspr NYS	Asks info re shipt IDAHO Forbes Log outfit Inspr NY Ship 11/29 Idaho Asks if Forbs Log will be delivered before deli ery to vessel. R.	665-2
371817	12;4	C&R	Copy of letter to Ports. also auth. work.	
375073	12-4	Inspr. NY Ship	Storage batteries for fire control telephones - fwds copy of correspondence L	
375279	12-10	ToSP&iAa 5	Rqst shipmt storage battery Phila to Inspr NYS, L RB 3;15	
377194	12-11 12;27	Inspr. NY Ship Insp. NYS	Motor generators for interior communications system - submits re status of installation To Inspr NYS- asks re ship motor starter for 2 KW Hobart Bros motor gen set for 1/4 NYS - 1/7	
		NYS - request new rheostat be shipped at once - 1/9		
316563	12/12	To Insp Camden.	4 battle lanterns & outlets shown on main deck fwd for 5" guns will be omitted.	563-5

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IDAHO: ENT COM SYS.

1918

Number.	Date.	From or To—	Subject.	
360895	10/21	NYS	Director firing system - fwds prints - L	
361317	10/23 11:26	C&R NY	Request information as to communications contemplated between title signal station and point from which operations are to be controlled - L	
		To Inspr NYS re comm to battle signal station, 12-4	To C&R Battle Signal Stations, Communication to, C&R 11-9 - Copy of instructions L	10-31
	1;9	Ins. NYS as to matters under cognizance of 1-14		
361397	10/22	NYS	List of power feeders and mains - fwds distribition power.	
362150	10/24	New York Ship	Plotting room alterations and additions - Fwds prints L	
			To Inspr NYS re ampere snap switches 11-1	
362087	10/23	Dept.	Copy of letter to C&R stating that flexible voice tubes connection from anti-aircraft guns not required L	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
362499	10/24	Inspr. NY	Fwds contractors letter requesting action on approval of asking wiring diagram of battle transfer system Fwd Ord via Nav, 10-30	L
362501	10/21	Inspr. NY Ship	Fwds? contractors letter requesting authority to place snap switches shipped as spares	L
362500	10/24	Inspr. N.Y. Ship	Leads for plotting indicators - request authority to use cable and junction box already installed To Inspr NYS, approves request 10-30	
363303	10/28	C&R	Copy of letter to NYS stating alterations to sky gun voice tubes approved - L 1919	
364116	10-29	Inspr. N.Y.Ship	Additions of plotting indicators in fore-top, main top and fire control tower. Alterations covering approved	
267297	SEE CARD 27 1;9	Ins. NYS	NYS 11-7 Returns shipmt order of July 13th	L

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IDAHO INT COM SYSTEM

Number.	Date.	From or To—	Subject.	
353054	9-26	NY Ship	Voice tubes request changes in L Fwd C&R 10-1 Dept. installation Sound proof tubes auth.	10;3
353053	9-26	NY Ship	Extension of voice tubes system 185 L To Inspr NYS, request dissaproved 10-8	
353055	9-25	NY	Req. of fire control storage box. L To Inspr NYS location or above satisfactory 10-1 Ins. Ny ship req. specific approval recommendation S C telephone storage exhause L To Inspr NYS, approves location 10-10	
353710	9-27	Inspr. N. Y. Ships	Water tight telephone stowage batteries. Recommendations in connection with.	
353960	10-5	To NYS	Fwds vandyke of director firing plans, L	
356110	10;4	Ins. NY ship	Alteration plotting room L	

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N.S.E. Form 134.

IDAHO: INT COM SYS. 563 - 4

Number.	Date.	From or To—	Subject.
357033	10/6	NYS	Target bearing target turret and multiple turret indicator system - fwds print showing action cut out switchboard - L
357442	10;4 10;10	Ord Dept	Submits recommendation of Senior officers inconnection with alteration of additional to plotting room L Fwd C&R 10-14 R B 10/24 Fwd Ord. 11-2 To Inspr NYS approves changes of above 11-4
357143	10;7	C&R	Copy of letter to NY ship asking if voice tubes should be delivered as change in cont. L
359176	10;16	Ph	Req. inspection of NY shp be provided showing loud speaking telephone L To Phila, fwds prints loud speaking telephones 10-25
360033	10;16 10;18	Ins. NY ship Ins. BR	Gyro compass reports installation for engraving L

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IDAHOL INT COM SYST

Number.	Date.	From or To—	Subject.
340004	8-21	Inspr NYS	Fire control telephone system - asks circuit letter be assigned for use in connection with concentrated file - L To Inspr NYS, re fire control phone system 8-24
6 341829	8/22	NYS Inspr. NY Ship Nov. 29 - fwds prints of call bell sys.	Communications provided for engineer office inade- quate - L To Inspr NYS, re install of voice tubes, 9-5 To C&R, re voice tubes,,9-5 To C&R copy of action taken. 9-12 Fwd Dept, 9-26 To Inspr NYS Plans listed are approved, 10-9 Ins. NY fwds out line print of Voice tubes and call bell status 10;11
346444	9/6	NYS	~~Director firing system - fwds plans - L~~
347606	9/12	C&R	Modernizing arrangement of bridge instruments-L Fwd C&R 9-20
C&R 9-24 copy of let. to In. NY ship fwd. print showing arrangement of Instrutions on bridge. L			
348133	9-10	NYS	Voice tubes fwds prints - L -
348910	9-14	C&R	Pnuematic dispatch system fwds print - L Fwd C&R 9-24

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N.S.E. Form 134.

IDAHO: INT COM SYST 563 - 4

Number.	Date.	From or To—	Subject.
349847	9-16	Inspr NYS	Fire control telephone system fwds various prints - L
Ins. Ny Ship Req. outlay of fire control telephone as located on range fire plate from over bridge. L			To Inspr NYS plan approved, 9-27
Fwd Ord via C&R, 10-10 R B 10;16			Fwd Ord, 10-23
To Ord. Oct. 23 Back 30th			To Inspr NYS re fire control telephones 10-23
351403	9/20	NYS	SEE CARD 35
Inspr. NY Ship Dec. 5 - Request tele cord be expedited - req. #1099			Reqst Bu. obtain telephone card from NYS Co for fire control telephones listed - L
			To S&A Rqst shipmt fire control phone cord NY to Inspr NYS 9-26 RB 1;31;18
			To S&A, rqst inform re above shipmt 10-10
351603	9-5 9-11	CO 15th Dist	Request regrind piston rods rebore cylinders overhaul main feed pump, etc - Y
			NY Ship Dec. 24
316415	9-25	SEE CARD #30	To Wash Rqst if battery mat'l recd L
NYS - fwds copy of correspondence			To Wash. 9;25 R B 10;8 L
2/28 NY list spare parts 3;17			To Inspr NYS, rqst if mat'l received, 12-7
Fwd S.O. Ny- 3-20			Wash. cannot locate strg bat. 12;27
			To Washn- gives correct number of 1/3/19
352804	9-26	CO	Requests installation voice tubes for each 3" gun crain platform
			To C&R Recommending disapproval of above 10-1
			C&R copy of letter to department stating disapproval recommended L 10;9
353040	9-24	NY Ship	Ship service telephone system fwds prints L
351402	12-13	To NY	Reqtd. that reqd. quantity of cord be shipped immed. by exp. to NY ShipBdg. Co.

Number.	Date.	From or To—	Subject.
328441	7-16	NYS	Voice tube and call bells - fwds prints. L
328535	7/19	Navgn	Copy of letter to NY stating that Insp requests drawings of sounding machines be furnished - L
329814	7-22	Inspr NYS	Interior communication switchboard - fwds print. L
330531	7-22	Inspr NYS	Director firing system for turrets - fwds prints. L
331612	7-26	Inspr NYS	Elementary wiring diagram directorscope correction system - fwds print. L
331611	7-26	Inspr NYS	ditto

N.S.E. Form 134. 563 - 4

IDAHO: INT COM SYS

Number.	Date.	From or To—	Subject.	
328520	7-31	To Inspr NYS (T) Fwd I.M. Ny. 3-27 RB 4;2	Letter cancelled will make changes director firing current supply L NYS - fire control switchboard - fwds plan - 9/6 Ins. NY ship req. instructions 10;1 To Inspr NYS satisfactory to retain original arrangment of current supply 10-8 NY ship fwds prints 10;7 L To Inspr NYS approves firing system 10-23 o NYS- Reqts turn over circuit to CO for delivery at NY Yard. for installation upon arrival of vessel. 2-6	
333171	7-24 8-1	Dept C&R	Fwds request from NYSbldg Corp relative delay due to nonreceipt of broadside directorfiring material. L Fwd C&R 8-5	
335940	8/2	NYS	~~Battle tracer system - fwds print - L~~ Fwd Ord. Via Nav. 8-15 Fwd Ord via Nav. 10-30 R B 11;23 Fwd Ord., 11-26 RB 12;21	
336057	8/9	Ordn	Naval Insp to Ordn at NYS - request copy of drawing directorscope correction system-L To Inspr NYS, Fwds vandyke of dwg rqstd, 8-16	
337510	8-14	Inspr NYS	Request voice tube be installed from engineer's log room to center engineer room - L ~~To Inspr NYS, rqst disapproved, 8-21~~	
339809	8/12 8/21	~~Lamson Co~~ C&R	Pneumatic dispatch tube system; fwds list of material reqd for; also print showing proposed run of tubes--- L Fwd C&R 8-26	

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[OVER.]

Number.	Date.	From or To—	Subject.
313269	6-3	Inspr NYS	Fwds blue print showing location of instruments in conning tower, fire control tower and cage mast. L
313779	6/5	NYS	Wiring diagram torpedo defense salvo system - fwds altered plan in connection with omission of five inch guns - L To Inspr NYS, re plans of torpedo defense salvo system, 6-22
313778	6/4	NYS	Ship's telephone system - fwds prints - L
	NYS - 8-27 NYS - 10/10 sufficient time for delivery - 8/26		NYS 8/8
	NYS -request more definate information be furnished - 7/24		
316415	6-17	To Inspr NYS	Changes in Bridge instruments and fire control telephone system, and listing changes and comments, L-R
Inspr NYS - Ask if Govt can supply apparatus. L 7-8			To S&A Rqst shipmt battery from NYS to Wash 6-19
Inspr NYS - Fwds contractors letter re-meeting further information. 7-16			Inspr NYS - Fwds request from contractors for extension of contract time. L 7-2
To Inspr NYS re changes in bridge instruments 6-20			To Inspr NYS, rqst for extension approved, 7-8
To S&A Rqst shipmt batteries NY to NYS 9-6			
317114	6-18	To Inspr NYS	Re location of fire control telephone stowage boxes, and commenting on same L NYS - 7/9 To Inspr NYS Locations satisfactory 7-18
319506	6/22	C&R	Fire control and conning tower arrangements and details of periscope - fwds prints-L
320632	6/25	Ordn	Fwds letter from Insp Ordn NYS asking if select switch will be installed on - L Fwd Ord, 6-29

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IDAHO: INT COM SYS. 563 - 4

Number.	Date.	From or To—	Subject.	
321310	6/26	NYS	Fire control switchboard - fwds prints - L To Inspr NYS plan approved 7-11	
321672	6-28	Inspr NYS	Gyro compass system - fwds contractors letter giving notice of delay and requesting extension of time. L	
321671	6-28	Inspr NYS	Turret director firing system - fwds contractors notice of delay and request extension of contract time. L	
321519	7-1	To Inspr NYS	Cancelling install range and deflection system L NYS - fwds print - 7/15	
327768	7-17	Inspr NYS	Ask when free light indicators for turret director indicator system will be required for. L To Inspr NYS re-install director firing sys in turrets, 7-20	
328520	NYS - 3/22 7/18 NYS NYS - director firing system - fwds pla plan - 8/28 - L To Inspr NYS plans approved, 9-18 NYS-11-8- Fwds prints L Insrp.NYShip 12-3 - battery rec'd - asks what disposition will be made		Turret director firing system - fwds print-L to Inspr NYS Plan approved, 7-29 Inspr NYS- T - Motor generator already installed and connected. 7-30 NYS - will fwd contrs drawing when checked -8/27	

[OVER.]

Ins N YS 2;3

Number.	Date.	From or To—	Subject.	
299782	4-20	Inspr NYS	Relative to height of instruments on bridge. L To- Confirms appvl to have contractors make alteration and fit lugs. 4-26	
301048	4/24	NYS	Reports receipt of fire control telephones converted to the UTAH type - L	
302588	4/27	NYS	Detail of electrical installation canning tower fire control tower and cage master- fwds print - L	
302587	4/26	NYS	Inspr NYS fwds blue prints of broadside tractor L Broadside - D. B. Pointer system alterations 6.4 of plans - fwds print - L To- Lists changes desires made. 5-8	
302535	4/27 4/30	NYS NYS	Steiring telegraph system-request permission to cut in connection box on damaged cable- L To- eqtx appvd for contractors to install 20-wire connection box. 5-14	
303231	5/2	N Y S	List of storage boxes for fire control TEL L	
303901	5;1	Inspn N. Y. S.	Fwds blue print showing voice tube changes L	
305053	5-10	To NYS	Range and Deflection Indicator System - Ordnance will furnish two Cory type and S.E. Auth necessary wiring for. L NYS - fwds prints - 5/23 NYS - Fwds prints. 6-10	

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563 - 4 IDAHO: INT COM SYS 1918

Number.	Date.	From or To—	Subject.	
307928	5-16	--	Directorscope transmission system - request action. L	
308843	5-21	C&R	Fwds plan showing arrangement for Forbes log. L	
309904	5-23	Inspr NYS	Recommends contractors request for permission to count in a 40 wire connection box be granted. L To--- Approves above reqt. L 5/29	
311484	5/28	NYS	Reports non-delivery Sperry Fire control apparatus. Fwd Nav. Via Ord. 6-6 RB 7-12 Fwd Inspr NYS 7-23 R B 7/26 Fwd Ordm 7-27	
310516	5-31	To NYS	Authorizing installation of fire control L Inspr NYS - Fwds contractors request for notice of delay and extension of time. L 6-28 NYS - Fwds prints. 6-27 To Inspr NYS plan satisfactory re above 7-6 To Inspr NYS re delay due to extension of time due to fire control changes 7-11	

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
289057	3/13	C&R	Arrangement of instruments in spotters tops - fwds sketch -L Fwd Ordnance. 3-18 R B 4/13 - L C&R - copy of action taken - L C&R - copy of action taken - L Fwd O rd - 4/16	
289327	3/14	C&R	Voice tubes in plotting rooms; rearrangement of-L Fwd C&R 3-19	
290270	3-15	Ord	Location of directorscope - broadside director find. L Fwd C&R 3-23	
283129	2-21	To NY	Tests of circuit breakers for IDAHO. in connection with. L.	Instrns 731-1.
290590	3/18	NYS	Fire control telephone shipped Holser-Cabot not received back - L	
291818	3-21	Inspr NYS	Electrical installation -- and bridge. L To- Plan appvd with modifications. 4-24 N.YS- Fwds prints- 6/4	
289 294339 8	4/1	NYS	Forbes log - fwds prints - L C&R - Forbes log - copy of instrns issued 4/13L To- Plans appvd. 4-24 Inspr NYS - Understand will not be installed until after delivery. L 5-7 NYS - 5/21 - L NYS- Request action - 5/29- L To NYS rqst contractors to furnish panel and resistance for installation of Forbes Log, 5-31 Inspr NyS - fwds prints. 6-10	

NYS - Fwds prints. L 6-21
To Inspr NYS, plan approved, 6-28
Inspr NYS - fwds prints showing method of mounting resistance on Forbes log switch board. L 7-15
To Inspr NYS plan approved 7-23

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N.S.E. Form 134.

IDAHO: INT COM SYS. 563 - 4

Number.	Date.	From or To—	Subject.	
295291	4-1	Inspr NYS	Request authority to shift telephone No 19. L NYS - request action on letter of 4/1 - L To- Relocation of phone #19 auth. 4-23	4/18
297032	4/10	NYS	Forbes log - fwds wiring diagram - L To NYS--Auth install. 4/16 Inspr NYS - Requests action. L 4-18 NYS - Fwds print. L 5-14 NYS - Fwds revised prints. L 6-22	
295781	3-30 4-6	Norf C&R	Location of directoscopes. L Fwd Ord--4/13 R B 4/24	
Norf	- wiring installed - 5/13 - L VOID	647-1 SEE	To Boston- Desires that the necessary wiring be done as the vessels become available. 5-4 To Mare Island- ditto above to Boston. 5-4 To Phila ditto. 5-4	
286023	4-8	To NYS	Ammunition supply telegraph system. Plans fwded are appvd. L	
298343	4-12	Inspr NYS	I C systems - fwds plans. L To- Lists changes be made on plans. 5-16 NYS - Fwds prints. 6-10 NYS - fwds prints - 6/18	
299307	4-16	Inspr NYS		

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
274998	1/18	NYS	Reqst instrns relative to removal of communications, etc in connection with removal of 5 inch gongs - L	
278456	1/26 2/1	Supt Constr NYS C&R	Flexible voice tube - L Fwd C&R 2-5	
279344	2-5	C&R	Pneumatic dispatch tubes fwds prints L.	
279682	2/4	Ordnance	Location of directorscope broadside director firing.	
280023	1-29	Sperry Co	& NEW MEXICO & MISSISSIPPI - dead reckoning system - requewts certain information be submitted difect. L	554-4
280119	2-7	NYS	Pneumatic despatch tubes; fwds prints.L	
280365	2-7 To- Contractord not allowed to use pierced cable in future 2-19	NYS	Quotes from a letter from NYS requesting authority to install communication boxes on damaged cables. recommends against. L.	
280363	2-8 To- Plans appvd. 3-8	NYS	Detail of electrical installation conning tower fire controll tower and cage mask. fwds. prints. L. Inspr NYS - Will forward prints in a few days. L 4-20	

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N.S.E. Form 134.

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
283265	2-19	Inspr NYS	Recommends for wiring in connection with removal of 5 inch guns. L
		Inspr NYS fwds interior communication plan. L To Inspr NYS, plans satisfactory with listed comments, 6-28	INSPR NYS - Request action. L 3-6 To- Dept appvés installation of two torpedo defense groups per broadside instead of four originally appved. in lieu of 5" guns. 3-20 NYS L 3-22 To- Recommendation not appvd. 3-27
286026	3-1	NYS	Inspr NYS - Fwds blue print showing list of marking telephone jacks. L 6-11 Diagram of ammunition telegraph system. Fwds prints. L Inspr NYS - Request action. L 3-15 To- Gives modifications for plans. 3-18 NYS - fwds plans - 4/2 NYS - fwds print - 4/11 - L
287061	3-6	NYS	Rearrangement of voice tube in plotting room - fwd sketch L Fwd C&R 3-12 R B 3/22 To C&R 3/12 - R B 4/2 Fwd. 3-30
287204	3-6	Inspr NYS	Pneumatic dispatch tube system. Fwds plan. L
9 287207	3-6	Inspr NYS	To Inspr NYS Rqst if mat'l recd, 9-27 I C switch board - fwds plans. L To- Fwds prints. 3-18
To S&A Rqst shipmt starting panel from Phila to Inspr NYS, 7-13 Inspr NYS 8-2 To Inspr NYS, Re install starting panel 8-8		SEE CARD 34	Inspr NYS - Ask if Bureau will supply panel. 6-24 To Inspr NYS, motor generator rqstd shipped from Phila, 7-15
287832	3/8	NYS	Broad side director follow the pointer system - fwds prints - L

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[OVER.]

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
266596	12/10	NN	Reports fwding 138 C N telephones to Holser-Cabot Co for conversion - L	
267814	12/17	NYS	Interior communication switchboard - fwds print - L	
268078	12/14	NYS	~~Method of securing battle gyro compass repeater - fwds print -~~ Fwd Navgn. 12-31 R B 1/12 - L To- Plan appvd. 1-16	
268456	12/19	NYS	Torpedo defense salvo system - fwds prints - L To- ives modifications for plans. 12-26 NYS - 1/11 - L	
269067	12/22	C&R	Location of instruments in conning tower; fwds prints.L	
270123	12/27	NYSDirector firing system-fwds print	vodd void	
270123	12/27	NYS	Dirrector firing system-fwds prints.	
270124	12/27	Inspr NYS	Torpedo advance salvo system-fwds prints.L To- esires that one permanent and one portable salvo pilot buzzer be installed at each torpedo defence platform. 1-16 NYS - fwds prints IDAHO - L - 1-24 NYS - fwds print 1/29 - L	

4—3381

N.S.E. Form 134.

1918

IDAHO: INT COM SYS. 563 - 4

Number.	Date.	From or To—	Subject.
271144	1/3	NYS	Alterations to plans, due to changes in director firing, sub. signal oscillator and fire control systems - fwds plans - D To- Reqts fwd copies of plans for files. 1-16 NYS - Fwds prints. 1-22 - L
271484	1/3 To- Plans left Bu Feb. 7th. 2-18 IDAHO-L. 3-11 To- Reqts copy of letter 23rd/3-19 NYS - Fwds copy of letter of 2-23. L 3-21 To NYS- Shipt order issued for trans to NY of motor. 2-29	NYS	Switchboards for broad side director and Sperry fire control system - L To- 1-8 NYS - Fwds prints. 1-21 -L To- Concurs in recommendation and fwds print. 1-31 NYS-2/6 NYS - 2-23 L
274222	1/14	NYS	Alterations to plans due to addition of broad side directorscope contact makers and director furing system - fwds prints.
274677	1/17	NYS	Broadside follow the pointer system-fwds prints. L To- Plans apvd with modifications· 1-24
274680	1/17	NYS	Fire control switchboard-fwds prints. L
274640	1/16	NYS	Method of securing arrangement of leads voice tubes in conning tower tube. L
274904	1/17 To- Plans appvd. 2-19	NYS	Broad side director follow the pointer switchboard - relative to location - L To- Appve direction location of· 1-25 New York Ship. Feb. 7 fwds prints. L.
274998	1-25	To NYS	Removal of 5" guns. Bunconfirms understanding. L

4—3381

[OVER.]

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
32504	10-31	NYS	Reports shipment of 125 CN telephones for the IDAHO, for conversion to the UTAH type.	629
258929	11/2	NYS	I C switchboards - fwds plans - L	
258941	11/1	NYS	~~Ammunition supply telegraph system - fwds plans - L~~	
32504	11-5	H-C Co	Reports receipt of telephones for the IDAHO; can all be diverted. L	629
259575	11/8	NYS	~~Locker for ~~stage~~ stowage of telephone box - fwds prints - L~~	
259608	11/7	NYS	~~Reports puncture of range and deflection cable by Hull Dept driller - L~~ To- Proposed arrangement satis and appvd.	11-13
259096	11-10	To NYS	Target bearing, target turret, multiple turret indicator system. Fwds prints. L To- Fwds prints, 11-17	

N.S.E. Form 134.

IDAHO: INT COM SYS. 563 - 4

Number.	Date.	From or To—	Subject.	
261401	11/16	NYS	Voice tube panel - request actionon their letter of April 19th - L To- Fwds copy of Bu's 3rd end.May 8th,1917.12-6	
262965	11/22	NYS	Water tight telephone storage box - fwds prints - L	
265308	12/4	NYS	Fire control system - fwds wiring diagram - L	
265305	12/4	NYS	Switch panel for ammunition supply system - fwds prints - L To- Plans appvd. 12-11 NYS - fwds prints 12/28 L	
265432	12-6	C&R	Voice tube system; fwds print.L	
266548	12/11	C&R	Voice tubes between fwd torpedo defense station and plotting room - L Fwd-12-18	
266577	12/6 12/11	NYS C&R	Voice tube system working wiring diagram - asks if revised reqd - L Fwds C&R-12-18	

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[OVER.]

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
246540	8/28	Bd on Changes NYS	Alteration of eight engine order telegraph dials so as to make the indication "stop" appear at the top of the dials N
246594	9/5	To NYS	Bridge instruments. Luminous paint for. Instructions in connection with. L
247428	9/6	T o NYS	Target beari g, target turret and multiple turret indicator systems. Fwds bluepints. L
249904	9/18	Ordnance	Director firing system-reqt prints.L To- Fwds blueprints as reqted. 10-30
249108	9/15	To NYS	Director firing system. Auth install of pilot lamp indicator system in firing circuit of. L Inspr NYS--9/22.L To--Gives action.9/25
250250	9/19	Inspr NYS	Turret ammunition indicator system-fwds prints.L To--Plan appvd with modif.9/25 NYS - fwds prints 10/2 L NYS - fwds prints 11/9 L
250249	9/19	Inspr NYS	Torpddo Defebse Salvo system-fwds prints.L

250535
N.S.E. Form 134.

563-4: IDAHO: INT COM SYS

Number.	Date.	From or To—	Subject.	
250535	9/21	NYS	Shaft revolution indicator system-fwds prints.L	
252307	10/1	NYS	Voice tube and call bell stations - outline of, fwds L	
252722	10/3	NYS	Fire control telephone changes - fwds prints L	
255128	10/15	NYS	Cease firing system for torpedo defense battery-fwds prints.L	
255523	10/18	C&R	Rel to changes in portable voice tubes.L C&R-instrns to NYS. 10/18.L Fwd C&R-10-26	
255717	10/19	NYS	Relay handle boxes for turret sub-caliber firing-fwds print.L To- Plans appvd with modifications.L 11-9 NYS - fwds corrected plan 11/16 - L	
32504	10-26	To NY	Conversion of CN telephones to UTAH type. instrns in connection with.	629
257722	10/30 Fwd Ordnance- 11-8	Ordnance	Inspr Ordnance NYS reports receipt of target turret transmitters-states are 6 wire instruments and wiring diagram requires 15 wire instruments.L	
258151	10/30	Inspr NYS	Director firing system-fwds plans.L	
32504	11-8	NYS	Relative to number of phones to be converted to UTAH type for IDAHO. L	629

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
246552	8/28	Bd on Changes NYS	Omission of the cruising mechanical engine telegraph system N Fwd Sol--9/1 R B 9/8	
246551	8/28	Bd on Changes NYS	Increasing the lengths of cord on certain fire control telephones and salvo buzzers	N
246550	8/28	Bd on Changes NYS	Change in type of telephone switchboard N	
246545	8/28	Bd on Changes NYS	Addition of a fire control telephone on circuit "JX" in the central station N	
246546	8/28	Bd on Changes NYS	Alterations on ship's service telphone switchboard N	
246547	8/28	Bd on Changes NYS	Change in type of fire control telephone cord N	

N.S.E. Form 134.

IDAHO: INT COM SYS. 563 - 4

Number.	Date.	From or To—	Subject.	
246546	8/28	Bd on Changes NYS	Addition of telephone in Chapdain's office N	
246545	8/28	Bd on Changes NYS	Change from type "DB" telephones to type "DM" telephones N	
246543	8/28	Bd on Changes NYS	Addition of seven type HB telephones N Fwd S ol--9/1 R B 9/7	
246544	8/28	Bd on Changes NYS	Omission of mechanical enegine telegraph from the conning tower N Fwd Sol--9/1 R B 9/10	
246541	8/28	Bd on Changes NYS	Change in voice tube calls necessitated by the installation of voice tube from the distribution room to centrals in the adjacent rheostat room N	
246542	8/28	Bd on Changes NYS	Fitting spring hooks on type HBc telephones N	

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IDAHO: INT: COM: SYS: 1917

Number.	Date.	From or To—	Subject.	
235930	6/28	NYS	Ship's telephone system - boxes for lightening arresters - fwds prints L To--Plan appvd.7/6 NY S - fwds print 7/26 L	
239495	7/18	NYS	Smoke telegraph system - location shown by contractors not considered satisfactory 7/18 L NYS - request action 7/30 L NYS - request action 8/1 To--Disappvs rec.8/4 Ins. NY S. B/ 9-20	
241274	7/28	NYS	Torpedo defense salvo system - fwds prints L	
241571	7/30	NYS	Voice tube system - fwds print L	
243634	8/10	NYS	Dead reckoning system - fwds detailed plans L	

N.S.E. Form 134.

IDAHO: INT: COM: SYS. 563 - 4

Number.	Date.	From or To—	Subject.	
244979	8/15	NYS	Alterations - interior communication deck plans fwds prints L	
245209	8/22	NYS	Storage boxes for fire control telephones - fwds prints L To—Appvs plan.8/30 Inspr NYS-fwds prints.9/21.L NYS-fwds prints.9/21.L	
244917	8/22	To NYS	Cease firing system for torpedo defense battery. Auth omission of contact maker on navigating bridge. L NYS-9/7-Nav-9/22-Comments on arrangement of instruments.L Fwd C&R—9/24	
246084	8/21 8/27	GE Co S & A	Telephone cable - asks if it is to be given preference over Navy Dept's orders L & SG Fwd NYS—8/31 R B 9/13 Fwd S&A-10-3	
246554	8/28	Bd on Changes NYS	Installation of a Smoke Telegraph Syatem N Fwd Sol—9/1 R B 9/7	
246553	8/28	Bd on Changes NYS	Change in Interior Communication Systems N Fwd Sol—9/1 R B 9/8	

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
2326 02	6/6	NYS	Ship revolution indicator system - fwds prints L To--Plan appvd.6/13	
232729	6/8	NYS	Fwds prints which have been modified by the addition of auxiliary lighting and rudder indicating systems L	
232965	6/7	NYS	Director firing system - fwds prints L	
233358	6/12	NYS	Interior Communication generators L To--Plans appvd.6/15	
233572	6/13	NYS	Voice tube and call bell station at bow - fwds prints L	
235430	6-26	To C&R	Recommendations re changes in arrgt of instruments and voice tubes in plotting room.	562-4

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N.S.E. Form 134.

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
	Fwd Dept (Joint) 8/27 - R B 9/12		Fwd C&R--9/17
234427	6/8	C&R	Arrangement of instruments on bridge and conning tower L
	6/19	Navgn	Fwd C&R--6/22
	Fwd NYS--7/31 R B 8/8		Fwd C&R--Plan satis with comment.7/12 R B 7/18
	Fwd C&R via Navgn--8/7 R B 8/17		NYS - recommends change in location 7/18 L
	C&R - 8/16 L		Fwd C&R--7/20 R B via Navgn 8/3
	To C&R--Concurs in rec.8/23		Fwd NYS via C&R--7/24 R B 7/28
	To NYS-- 8/24		
234682	6/19	NYS	Supt Constr request voice tube outlets be relocated - Insp recommends retention of present position L
			To--6/29
235055	6/22	NYS	Automatic dead reckoning system - fwds prints L
235109	6/22	C&R	Voice tube system L
			Fwd C&R--6/28
235591	6/26	C&R	Voice tubes and instruments in central station, etc - request revised print be forwarded to Supt Instr. NYS L
			To NYS--Fwds blueprint.7/10

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
229113	5/17	NYS	Call bell system - changes in date and omission of certain voice tubes - fwds prints L
229791	5/22	C&R	Voice tube and call bell system - fwds print L Fwd C&R--6/14
229756	5/22	NYS	List of interrior communication appliances - fwds L
229755	5/21	NYS	Stowage boxes for fire control telephone - fwds prints L To--Reqt preliminary ests before taking action on plans.6/2 NYS - fwds prints 7/25 L To--Appvs.6/3
230160	5/24	NY	Electrical installation in anchor windlass room - fwds print L
230156	5/24	NYS	Call bell system - fwds print L

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N.S.E. Form 134.

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
230329	5/22	NYS	Arrangement of instruments on bridge - change in cost L Fwd Sol--Reqt auth for omission.6/1 R B 6/7 L To Gen Inspr--6/11 To--Change appvd.6/11	
231061	5/30	To NYS	Target bearing, target turret and multiple turret indicator systems. Fwds Bu drawing and directs modify plans accordingly' L To--Fwds blueprints of. 6/9 To--F wds blueprints of wiring diagram.7/5	
231502	5/31	NYS	Turbo defense salvo system - fwds prints L	
231501	5/31	NYS	Voice tube and call bell station at bow - fwds prints L To--Appvs.6/6	
231500	5/31	NYS	Electrical installation in steering gear room - fwds prints L	

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
224603	4/23	NY ship	Air lock indicator system - fwds estimate change in cost.L To--Change appvd.5/1 To Gen Inspr--5/1
224990	4/24	NYS	Interior communication system; fwds estimated change in cost, due to changes in type plans and specifications.L Fwd Sol--Reqt auth for changes.5/9 RB 5-17 To Gen Inspr--5/24 To NYS--Change appvd.5/24
225072	4/25	Norf VOID	& UTAH; fire control telephone system; fwds plans.L
225072	4/24	NYS	Elec installation in central station, plotting room, etc; fwds plans.L To--Plan appvd.5/8
225568	4/28	C&R	Typical voice tube panels; fwds print.L Fwd C&R--5/8
225563	4/26	NYS	Additional ship's service telephones, due to omission of voice tubes; fwds prints.L
226980	5/7	NY Ship	~~Fire control switch board - fwds prints of changes due to installation of directorscope in top L~~

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N.S.E. Form 134.

IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
227464	5/8	NYS	Smoke Telegraph system - fwds change in cost L To--Change auth.5/17 To Gen Inspr--5/17
227463	5/8	NYS	Arrangement of apparatus in Central Station - Sub-Central, etc L
228109	5/10	NYS	Smoke telegraph system - fwds prints L
228192	5/11	C&R	Voice tube system - fwds prints L Fwd C&R--5/2
228469	5/14	NYS	Oil burner control system - fwds change in cost L To--Change appvd.5/23 To Gen Inspr--5/24
228661	5/16	NY	Electrical installation in central station, plotting room, etc L
228841	5/16	NYS	Fwds change in cost due to omission of engine telegraph in conning tower L To--Change appvd.5/25 To Gen Inspr--5/25

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IDAHO: INT COM SYS. 1917

Number.	Date.	From or To—	Subject.
217973	3-13	Bd on Changes, FR	Omission of battle tracer system; dec cost.N Fwd Sol--Rec appvl. 3/16 RB 3-23
217974	3-13	ditto	Omission of long base range rinder system; de c st. N Fwd Sol--Rec appvl.3-/16 RB 3-23
217977	3-13	ditto	Omission of maneuvering telephone calls from this vessel dec cost.N Fwd Sol--Rec appvl.3/16RB 3e21
217978	3-13	ditto	Omission of certain calls; dec cost.N Fwd Sol--Rec appvl.3/16RB 3-21
217979	3-13	ditto	Omission of the loud speaking telephone sys; de ccost.N Fwd Sol--Rec appvl. 3/16 RB 3-22
217807	3/14	To NYS	Shaft revolution indicator system. Install auth in center engine room of. Will appv install of a one circuit transmitter and one indicator for each set. L NYS Sates plans & estwill be fwded when completed. 4/13
218527	3/16	NYS	Oil burner control system, elec; fwds wiring diagram.L To--Plans appvd. 3/22 NYS fwds plan 3/24
223660	4/18	NYS	Rudder and auxiliary rudder indicator system; request approval of Cory plan.L To--Plans appvd. 4/24 NYS - fwds print 5/15 L

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IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.
218647	3-17	NYS	Pedestals for bridge instruments; quotes Cory's drawing number to be followed.L.
219480	3-23	Pitts	Director firing motor generator; inspection reports; fwds.L
220079	3-27	C&R	Arrgt instruments on bridge and conning tower; fwds plans and comments.L Fwd C&R--Plan satis with comment.4/7 To NYS--Fwds blueprints showing. 4/17
218167	3/24	To NYS	Add'l ship's service telephones, due to omission of certain voice tubes. L NYS Plans & est will be fwded when completed.4/13
220209	3-29	NYS	Fire control switchboard;plan.L To--Plan should be modified by addition of directorscope cut out switches in tops.4/2
220997	4-4	NYS	Torp defence salvo system; recommends approval of Cory plans with certain changes.L To--Plan appvd.4/10
221026	4-3	NYS	Instruments on bridge; arrangement.L To--Fwds copy of Bu comments on.4/7 To--Fwds copies of plan showing.4/10
220351	3-30	C&R	Voice tube system;plan.L Fwd C&R--4/21
222043	4-10	NYS	Stowage boxes fire control telephone; suggestions for making up; Supt Constr asks if under cog of SE(Cross Cog) To--Comments on.4/17

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IDAHO: INT COM SYS.

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Number.	Date.	From or To—	Subject.
215135	2-17	NYS	Call bell system; alterations wiring diagram.L
215081	2/19	To NYS	Fwds blue prints covering install of oil burner control system. LN
216068	2-23	NYS	Call bell system; plan.L
215354	2/21	To NYS	Directs certain changes due to installation of directorscopes in tops.LN NYS fwds wiring diagram 3/9
216277	2-26	NYS	Fire alarm system; fwds list of thermostats and wiring diagram.L
215964	2-26	TO NYS	Rudder indicator and auxiliary rudder indicator combined; reqt plans, est,etc.L
216972	3-6	NYS	Automatic dead reckoning system; plan.L Fwd Navgn--For comment.3/10RB 4-7 Fwd NYS--4/12RB 4-16
217634	3-10	NYS	Sperry fire control system; request Sperry Co. send representative to confer with contractor.L To--Concurs.3/19

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IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.	
217678	3-9	NYS	Central station, plotting room, sub and I-C rooms; elec installation; fwds mod plan.L	
217592	3-9	NYS	Director firing system; wiring diagram; fwds.L	
214393	3/12	To C&R	Voice tube system. Lists changes rec.	554-4
217812	3-10 To--Gives	NYS requirements.4/4	I-C and action cut out switchboard; plan.L To--Plan appvd. 3/22 NYS rec wiring conform to appd elementary plan)	3/28)
217811	3-9 NYS fwds	NYS plan 3/26	Smoke telegraph system; plan.L To--Plan appvd with comment. 3/22	
217967	3-13	Bd on Changes, NYS	Omission of certain interior communication systems due to omission of the after torp room. dec cost.N Fwd Sol--Rec appvl.3/16 RB 3-21	
217969	3-13	ditto	Omission of fire alarm annunciators in the fire extinguisher stations, etc. dec cost.N Fwd Sol--Rec appvl. 3/16 RB 3-21	
217974	3-13	ditto	Changeing the wire markings on certain interior communication plans.N Fwd Sol--Rec appvl.3/16	
217972	3-13	ditto	Omission of wt door indicator system. Dec. N Fwd Sol--Rec appvl.3/16 RB 3-21	

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IDAHO: INT COM SYS. 1917

Number.	Date.	From or To—	Subject.
212198	1-22	NYS	Maneuvering telephone calls; omission; dec cost.L Fwd NYS--1/29 RB 1-31 Fwd Sol--For auth. 2/3 RB 2-9 To--Change appvd. 2/13 To Gen Inspr--2/13
212353	1-23	NYS	Switch panels for air craft gun telephones. fwds plan.L To--Plan appvd. 1/29
212649	1-26	NYS	Gun firing system; request action on static transformers be expedited.L To--Instrns re proceeding with work. 1/31
212679	1-23	NYS	Stowage boxes fire control telephones; plan.L To--Plan appvd with modifi. 2/3 NYS fwds list of stowage boxes 2/9
212533	1/26	To NYS	Fwds copy of letter from Navgn re automatic dead reckoning tracer system. L
212896	1-29	NYS	Push buttons in stateroom; fwds type plan.L
213447	2-2	NYS To Gen Inspr. 2/13	Voice tube calls; estimated inccost.L Fwd--Reat numbers of plans. 2/7 RB 2-10 To--Change appvd. 2/13
203448	2-1	NYS	Loud speaking telephones; omission; dec cost.L To Gen Inspr--2/10 To--Change appvd. 2/10
213450 VOID- Over	2-2	C&R	Instruments on bridge; relative to hieht of.L

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IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.
213450	2-2	C&R	Instruments on bridge; relative to height of.L Fwd C&R via Navgn--2/8
213595	2-2	NYS	Omission elec installation on account omission after torp room; est dec cost.L Fwd Sol--Reqt auth for change. 2/10 RB 2-16 To Gen Inspr--2/19 To--Change appvd. 2/19
213358	2/5	To NYS	Motor generators for. Automatic control panel. Satis to omit automatic switch from switchboard and locate same on step up motor generator starting panel. L
213851	2-1	NYS To Inspr.Phil.Reqt cost report.2/24	Sound proof telephone booths; est inc cost.L Fwd--Directs revised estto cover elec work.2/10 RB 2-19 To--Apvs est.2/24
213852	2-1	NYS	Fire control telephone system; anti air craft; inc cost.L Fwd--Returns ests for revision. 2/10 RB 2-16 To--Change appvd. 2/19 To Gen Inspr--2/19
213854	2-1	NYS	Engine room telegraph; inc cost. L To Gen Inspr--2/10 To--Change appvd. 2/10
213855	2-1	NYS	Plotting indicator in conning tower; inc. L To Gen Inspr--2/10 To--Change appvd. 2/10
213856	2-1	NYS	Markings on I-C plans; inc cost. L To Gen Inspr--2/10 To--Change appvd. 2/10
214007	1-31 2-3 2-7	C&R Navgn Ord	Genl arrgt instruments, voice tubes,etc. in central station and plotting room; plan.L Fwd C&R--Plan satis with comment. 2/12

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IDAHO: INT. COM. SYS.

Number.	Date.	From or To—	Subject.
209500	12/22	C&R	Instruments on bridge; copy of instructions to Supt Constr NYS.L
210343	1/3	NYS	1917 Voice tube system for 3, 4, 5 and 6 searchlights; lists what intend to furnish.L TO C&R quotes; recommendations 1-12 TO -- comments 1-12
210681	1-3	NYS	Anti aircraft fire control telephones; plan.L To--Plan appvd. 1/10 NYS fwds plans 1/11
211135	1-10	NYS	Typical voice tube panels; plan.L TO -- submit thru C&R 1-12
211219	1-11	NYS	Push buttons in stateroom; contractors proposed type K nonwater tight.L TO -- appvd 1-12
211212	1-10	NYS	Voice tube system; fwds plan recommends omission of certain tubes to radio room.L Fwd C&R--With rec. 1/25 RB 2-3
211732	1-16	NYS	Call bell system; fwds plan.L To--Plans appvd with modifi. 1/25 NYS recommends return calls for voice tube 185, flag radio in auxiliary radio rooms 2/8 To--Appvs rec. 2/10

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IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.
211815	1-17	NYS	Voice tube calls; estimated inc cost for tubes from distribution room to rheostat room.L To--Change appvd. 1/26 To Gen Inspr--1/26
211816	1-17	NYS	Call bell system; est dec cost.L Fwd Sol--1/26 RB 2-7 To Gen Inspr--2/10 To--Change appvd. 2/10
211817	1-17	NYWS	Inc cost for fitting spring clips on telephones.L To Gen Inspr--1/26 To--Change appvd. 1/26
211432	1/17 To--Appvs plan. 3/22	To NYS	Auth install of a permaent system of salvo buzzers for torpedo defense guns, and change in transfer switches. Reqt revised est and plans. L To--Instrns. 2/10 NYS wiring diagram; fwds revised 2/17 NYS revised wiring diagram; fwds 3/9 NYS gives no of Cory plan 3-17
212092	1-20 NYS fwds Supt Const's comments on type of stuffing tube proposed by contractors 2/28	NYS	Steering gear room; elec apparatus and voice tubes; fwds plan.L ~~To--Reqt sketch showing conduit stuffing tube with cast on flange as referred to.1/30~~
211946	1/19	To NYS	Fwds blue prints of plan wiring arrgt of automatic dead reckoning tracer system. L
212213	1-22 Fwd C&R--With rec. 3/27 RB 4-2 Fwd NYS--4/4 RB 4-6	C&R	Sound booths; voce tubes, and telephones in fire rooms.L Fwd C&R--2/7 NYS (joint) rec location sound proof booth 3/21
212203	1-22 ~~To--Bu will order leather. 2/19~~	NYS	Stowage boxes fire control telephones; contractors state will involve inc cost.L To--Comments on. 1/27 NYS contractors request government furnish leather stowage boxes 2/15

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
206080	11-17 To--Change appvd. 12/22	NYS	Fire alarm system; dec cost.L To Sol--Reqt auth for change. 12/6 RB 12-13 To Gen Inspr--12/22	
206079	11-17	NYS	Telephone cord; inc length; inc cost.L To Gen Inspt--12/6 To--Change appvd. 12/6	
206077	11-17	NYS	Telephone switchboard; inc cost.L To Gen Inspr--12/6 To--Change appvd. 12/6	
206075	11-17	NYS	W-T dorr signal system; dec cost; omission.L To Sol--Reqt auth for change. 12/6 RB 12-13 To Gen Inspr--12/22 To--Change appvd. 12/22	
206889	11-29	NYS	Telephone system; submits list of stowage boxes, fuse boxes,etc. required.L To--Non water-tight leather tele stowage boxes will be proveded for fire control tele.12/6 NYS recommendations for stowage 12/22 To--Appvs rec. 1/2	
207169	12-2	NYS	Director firing motor generator sets; plans.L To--Appvs plan subject to satis test. 12/13	
207079	12/4	To NYS	Have appvd addition of spring hook for Western Elec Type HBc telephones to secure the receiver. L	
208038	12-8 To NYS fwds copy of letter from Sperry Co with instrns 2/20	NYS	Fire control switchboard; fwds plans.L To--Plan appvd. 12/19 To--Fwds plans. 12/22 Cramps mod plan 2-5 To Sperry Co--Reqt number of poles reqnd for each transfer switch, also whether fuses are required. 2/9 Sperry Co fwds plans and suggestions for arrangement 2/14	

N.S.E. Form 134.

IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.
207631	12-6	NYS	Fire control telephones for anti-craft air guns; fwds wiring diagrams.L To--Plan appvd. 12/11 NYS 12/12
207632	12-5	NYS	Changes in torp firing apparatus due to omission of torp room; fwds wiring plan.L
208277	12/11	C&R	Sound proof booths for voice tubes and telephones in fire rooms and torpedo rooms; fwds correspondence with NYS Co.L Fwd C&R--With rec. 12/28
208718	12-14	NYS	Request ~~authority to~~ drawings push buttons.L
208770	12-15	C&R	Arrgt instruments on bridge.L Fwd C&R--Fwds b/p for comment. 12/19
208769	11-22	NY NEW MEXICO	Sound proof booth for voice tuves; and telephones; est inc cost; C& R recommends ~~telephones;~~ be extended to MISS: IDAHO: TENN: CALIF. 554-4
209065	12-18	NYS	Elec indicator system for steering telemotor; est inc cost.L To Gen Inspr--12/28 To--Change appvd. 12/29
209211	12-18	NYS	Automatic dead reckoning system; plan.L To--Plan has been appvd. 12/28
209475	12/22	NYS	Additional record books; submits estimate for inc cost.L

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INDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.
202243	10-13	C&R	Contractors request instructions relative to providing for set of portable lead voice tubes; turret barbettes.L Fwd C&R—10/23
202823	10/17	NYS	Fire control switchboards; fwds prints.L To—Plan appvd with modifi. 10/24
203406	10-23	NYS	Telephone system; fwds plans showing alterations in size connection box on 3 rd deck.L
204013	10/31	To NYS	Reqt certain information concerning voice tube installations on, also plan showing installation. L
204718	11-4	NYS	Smoke indicating system; contractors request print.L To—Disappvs plans. 11/18
204784	11-6	NYS	I-C deck plans; fwds.L To—Plans appvd with comment. in detail.12/9 NYS fwds altered plans 1/23 NYS mod plans 3-1
	To—Acknowledges plans with comment. 3/24		
205313	11-1 11-6 11-11	C&R Ord Navgn	Genl arrgt of instruments, voice tubes, etc in central, sub-central, sub and I-C stations.L Fwd C&R—Plans satis with comment. 11/17
205567	11-13	NYS	Reports approving Cory type single firing key panels for torp control stations.L

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N.S.E. Form 134.

IDAHO: INT COM SYS, 563 -- 4

Number.	Date.	From or To—	Subject.	
205426	11/14	To NN	Fwds b/p of Sperry plan showing proposed wiring for automatic dead reckoning system for plans and ests for installation on. L	
205526	11-13	NYS To--Directs 24" pedestals be used for all bridge instruments. 1/18	Instruments on bridge; fwds plan with comments. To NN--Fwds plan for comment and rec. 11/21 NYS see letter of Nov. 13th 12/5 To--Fwds plan of as finally appvd. 12/28 NYS contractors give proposed height of instruments on bridge 1/15	
205709	11-13	NYS	Voice tubes; call bell stations; fwds plans L To--Plan satis. 12/6	
206101	11-9	NYS To Gen Inspr--12/26 To--Change appvd. 12/26	Ships service telephone system/ inc cost.L Fwd Sol--Reqt auth for change. 12/6 RS 12-13	
206099	11-17	NYS	Auxiliary rudder indicator system; inc cost.L To--Change appvd. 12/5 To Gen Inspr--12/5	
206098	11-9	NYS	Ships service telephone system; inc cost. L To Sol--Reqt auth for change. 12/6 RS 12-13 To Gen Inspr--12/22 To--Change appvd. 12/22	
206096	11-17	NYS	Telephone system; inc cost. L To--Change appvd. 12/5 To Gen Inspr--12/5	
206095	11-9	NYS	Battle tracer system; dec cost; omission. L To--Change appvd. 12/5 To Gen Inspr--12/5	
206093	11-17	NYS	Telephone in Chaplains office; inc cost.L To--Change appvd. 12/5 To Gen Inspr. 12/5	
206082	11-17	NYS	Long base range finder; omission; dec cost.L To Gen Inspr--12/6 To--Change appvd. 12/6	

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
199471	9-15	NYS	Turret salvo system; fwds wiring diagram.L	
199775	9-11	NYS	Shaft speed indicator; plan.L	
199532	9-15	C&R	Arrgt turret officers station; plan.L	
199821	9-19	NYS	Fire control and maneuvering telephone jacks; list of markings; fwds.L To—Appved subject to corrections 9/27 NYS fwds plans 9-29	
199530	9/16	Ord	& Idaho; range and deflection instruments; fwds revised plan. L	554-4
200165	9-23	NYS	Gyro compass and fire control systems; fwds modified plans.L	
	To—Considered as change. 10/26			
200229	9-22 C&R asks if additional voice tubes are change in contract 10/21	C&R	Voice tube system; plan.L To C&R—Plans satis to Bu, subject to comment. 10/16 To NYS—Submits list of voice tubes rec to C&R to be installed. 10/16	
200411	9-25	NYS	Torp defence and salvo syst em; plan.L	

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IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.
200558	9-27	NYS	Turret training warning signal system; addition of ; inc cost. L To--Change appvd.10/4 To Gen Insp--10/4
200559	9-27	NYS	Fire control telephone changes; inc cost.L To Gen Insp--10/4 To-- Change appvd.10/4
200918	10-2	NYS	Telephone system; fwds plan.L
200912	10-2	NYS	Central, sub, plotting and I-C systems; arrgt instruments.L
200914	10-2	NYS	Rudder indicator system; prints.L
200763	9/30	To NYS	Gives schedule of capacity of gun firing motor generators and transformers.L To--Gives type will appv.4/3
200664	9/30	To Pitts.	Bu has requested West. Elec. Co. to furnish prints of telephones.L To West Elec Co--Reqt prints be furnished Pitts. 9/30
201389	10-6	NYS	Mechanical I-C deck plans.L
201638	10-9	NYS	Telephone system; contractors entitled to inc cost for if telephones placed in ward room.L To--Modify plans so as to include tele in wardroom. No change in contract. 10/16
	NYS tele sys; altered plan 11-3		

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IDAHO: INT. COM. SYS.

Number.	Date.	From or To—	Subject.	
			NYS - request print 7/18 L To NYS--NY will fwd.7/20	
194368	7/22	NYS	Director firing system; fwds plans.L To-- Appvs. 7/25	
	NYS - fwds print 5/7 L To Ord--Fwds plan.5/11 To--Plan appvd.5/11		To--Fwds blueprints showing latest appvd arrgt for gun firing circuits for 3-gun turret.4/21	
194690	7/25	NYS	Omission ofgongs; engine rooms; contractors request instructions.L To--Bu will accept gongs and pulls, same to be delivered at NY. 8/2 NYS contrs directed to deliver NY YD 8/3	
194108	7/21	NYS NY	Reqt one fire control telephone be added in central station on circuit JX	554-4
195175	8-1	To NYS.	Interior communication switchboard; fwds plans for quide for preparation of plans.L	
195378	7/25	NYS	Ship's service telephone switchboard; est inc cost.L To-- Appvs. 8/9 To Gen insp--8/9	
195713	8/4	C&R	Cage masts; fwds plan.L To--Plans satis. 8/10	
196199	8/10	NYS To C&R--Fwds copy plan.9/14	Elec steering telemotor indicating system; fwds plans.L Fwd C&R-- For comment. 8/16 RB 8/25 To NYS- ap.pvd. with minor change 8-29 NYS wiring diagram 9-11	
196198	8/10	NYS	List of interior communication appliances; fwds.L	
196295	8/11	NYS	Range and deflection system; fwds wiring diagrams.L	
196306	7/25 7/28	NYS C&R	Arrangement of turret officers' station.L Fwd C&R-- Comments on.8/16	

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N.S.E. Form 134.

IDAHO: INT. COM. SYS. 563 -- 4

Number.	Date.	From or To—	Subject.	
196513	7/29 8/11	C&R Ord	Arrangement of turret officers' station; fwds prints and comments.L Fwd C&R--Appvs with modi. 8/15	
196354	8-12	To NYS.	Makes modification in interior communication systems. L	
197091	8-18	NYS	Telephone systems; fwds plans and lists.L TO -- appvd 8-22	
197644	M	NYS	Air lock indicator system; plans.L To - appvd. 8-29	
197923	8-24	NYS	Change in fire control telephone cord; inc cost. L To-- Change appvd. 9/6 To Gen Insp--9/6	
198440	9/5 NYS mod plan 11-3 To--Contrs plan appvd.11/11	NYS	Length of portable cord for fire control telephones.L To--Directs contr's submit list of various lengths of cord require.9/14	
198478	9/1	NYS	Fire control system; fwds plans.L To-- Appvs with modi.9/14 NYS fwds revised print 10-2	
199232	9-13	NYS	Air lock indicator system; asks that Navy take surplus contract makers.L To--Appvs taking over by Navy. 9/19	
199457	9-14	Sperry Co	Automatic dead reckoning instruments; request detailed information relative to shafts.	562-4

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IDAHO: INT COM SYS

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Number.	Date.	From or To—	Subject.	
192143	6-29	NYS	Director firing system; asks type contact maker; also date of delivery of appratus. L To--Take up with Insp Ordance. 7/6	
192259	6-30	NYS	Request approval of Cory type plans for telephone motor generatdr and dynamotor L To--Appvs 7/6	
192260	6-30	NYS	Gongs ordered omitted have been practically completed.L To--Turn over to NY for disposition. 7/6	
192215	6-30	To NYS.	Voice tube system; reqt copy of contr's pan 160-487-H1 corrected to date. L NYS fwds plans 7/6	
192009	6/29	To C&R	Arrangements of voice tubes in engine rooms; recommends change in	562-4
192052	6/29	To Western Elec Co	Bu has decided to substitute a black enamel finish for the nickel finish on future orders for ships' service telephone instruments; desires change apply to MISS and IDAHO if practicable	717
191976	6/27	O rd	Arrangement defdector instruments Mark VI; fwds plan	554-4
192660	7/6	NYS	Torp defence salvo system; fwds prints.L	

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IDAHO: INT. COM. SYS. 563 -- 4

Number.	Date.	From or To—	Subject.	
192826	7/7	NYS	Changes due to omission of after torp tubes; fwds plans.L To— Appvs as modified. 7/12	
193577	7/14	C&R	Voice tubes between shaft alleys.L Retd--Satis to Bu. 7/17	
173689	7/14	NYS	Spares for fire control telephones and switchboards for same .L	
193688	7/14	NYS	Call bell system; working diagram; fwds plans.L	
193690	7/14	NYS	Wiring diagram of supply to Pneumercator system; fwds plans.L To--Appvs. 7/19	
193814	7/17	NYS	Fwds plans of IC wiring, port and stbd wiring passages.L To--Appvs with comment. 7/26	
194031	7-20,	To NYS.	Ship's service telephone system; lists telephones to be added to. L	
194178	7/20	NYS	Request action on gun firing motor generators and transformers be expedited.L To--Fwds copy 178642-563/-4 showing action.7/26	
194177	7/20	NYS	IC motor generators; asks confirmation of using automatic starter on panel.L To--Confirms. 7/25	
194176	7/20	NY	Arrangement of instruments in central sub plotting room station; request action be expedited.L Fwd Ord Via C&R-Nav-- 7/25 RB 8/1	

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IDAHO: INT: COM: SYS:

Number.	Date.	From or To—	Subject.
187213	5-9	To NYS.	Interior communication; fwds drawings of.L
188173	5-17	NYS	Director firing system; fwds wiring diagram.L To-- Appvs with modifications, 5/24
188366	5-18	NYS	Telephone system; mod plans. To--Appvs with modi. 5/23 NYS fwds plans 6-16
189174	5/26	NYS	Telephones; recommends approval of details, Cory type.L TO NYS appvs 6-1
189095	5-26	To NYS.	Directs omission of engine gong pulls. L
190588	6-10	NYS	Salvo system; fwds modified plan.L
190620	6-10	NYS	Fire control telephone system; fwds plans.L To--Appvs with modi. 6/15 NYS fire control switchboards; fwds corrected copy name plate markings 7/25
191052	6/16	NYS	Range and deflection system ; wiring plans; fwds.L To--Appvs as modi. 6/20
191051	6/16	NYS	Engine room gongs; omission of ; fwds altered plans.L

N.S.E. Form 134.

563 -- 4 IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.	
190966	6-16	To NYS.	Bu Ordnance states it is improbable that battle tracer system will be furnished; reqt orders for wire and wiring appliances for he held up. L	
191288	6-20	NYS	Elec indicator system for steering telemotors; fwds plan.L To--Appvs with modi. 7/1	
191381	6-21	NYS	List of I-C appliances; fwds.L To-- Appvs with modi. 6/22	
191383	6-21	NYS	Director firing system; wring diagram.L To--Fwds prints covering addition. 7/7	
191545	6-22	C&R	Omission of voice tubes after torp room.L Retd--Recommend be retained. 6/27 C&R fwds copy of action 6-29	
191735	6-23	NYS	Instruments and voice tubes in central, sub, plotting and I-C rooms; fwds plan. Fwd Ord via C&R-Nav--For comment. 7/3 RB 8/15 Fwd C&R via Navgn 8-23. RB 9-6 Fwd NYS--Appvs with modi. 9/14 RB 9/27	
191836	6-26	H-C Co	Request type of 6" bells for telephone sys.L To-- 6/29	
192103	6/28	GE	Motor generators; I-C panels for; asks if step up type to be used	562-4

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IDAHO: INT COM SYS.

Number.	Date.	From or To—	Subject.	
180874	3-6	NYS	Changes in fire control; reqt instructions re disposition of apparatus already completed which will have to be replaced.L To--Instructions. 3/9	
180981	3-7	NYS	Telephone system; fwds wiring diagrams/L To-- Appvs with modi. 3/13 NYS 3/15 To NYS- bring to attention of officers assigned 3-20 NYS recommends approval 3-28 To-- Appvs. 4/1 **To--Bu will apve type C-154 ship's service tele switchboard for.4/27**	
182220	3-21	NYS	Range and deflection system; fwds wiring plan.L Fwd Ord--For comment. 3/23 RB 3/28 Fwd NYS--Appvs with modi. 3/30 RB 4/3	
182212	3-21	NYS	Call bell system; fwds wiring diagram and wire sizes.L To--Fwds copy of letter sent C&R in regard to change in call bell system.3/29	
180935	3-24	To NYS.	Water-tight box for type HB telephone; Bu will give consideration to housing all telephones on weather decks as change under contract. L	
182863	3-27	To NYS.	Director firing system; fwds prints showing alteration in. L	
183802	4/5	NYS	Fire control changes and alterations; fwds prints.L To-- Appvs as modi. 4/12	
184605	4/12	NYS	Shaft spped indicator; fwds prints.L	

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IDAHO: INT. COM. SYS. 563 -- 4

Number.	Date.	From or To—	Subject.	
184735	4/13	NYS	Gyro compass and fire control systems; fwds prints.L	
		To NYS 8/31 Fwd Navgn 8/31	Fwd Ord Via Nav--For comment. 4/25 RB 5/22	
		Sperry Co switches are unnecessary 6-8	NYS reqt action 5-4	
		Fwd NYS--Appvs withcomments.6/12	Fwd Ord Via Nav-- 5/8 RB 5/22	
		To Ord-- 6/12 RB 7/31	To Sperry Gyroscope Co-- Asks if switches shall be provided for future vessels. 5/25	
		Fwd Ord Via Nav--8/1 RB 8/24		
185918	4-26	NYS	Alterations to indicators in engine room telegraphs.L	
			To--Appvs alteration in. 4/28	
185757	4-26	To NYS.	Lists changes authorized due to omission of after torpedo tubes; submit estimates covering change. L	
186100	4-26	NYS	I-C changes; caused by omission after torp tubes.L	
			To--Appvs omission. 5/1	
			NYS comments on plan 5-9	
186408	5-2	To NYS.	Arrangement of current supply interior communication switchboard; gives modi in.L	
186911	5-2	NYS	Boat hour gong system; corrected plan.L	
186604	5-5	To NYS.	Mechanical interior communication; fwds copy letter sent C&R. L	
			To C&R--Appvs plans with modi. 5/5	
			NYS plans 5-16	
			To--Withhold action for present. 5/25	
186921	5-4	C&R	Turret officers station; fwds plans and comments	
			To NYS--5/11	
			NYS reqt copy of turret lighting plan 5-12	
			Fwd C&R Via Ord-- Plan satis.5/12 RB 6/21	
			To NYS--Fwds print of. 5/16	
			Fwd C&R--Noted. 6/29	
			To Ord-- Fwds print covering changes.6/29	

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IDAHO: INT COM SYS: 1916

Number.	Date.	From or To—	Subject.
175497	1-7	To NYS.	Interior communication switchboard; auxiliary lighting battery switches will be installed on. L
175927	12-28	NYS	Mechanical interior communications systems; fwds plan. L NYS Rect action. 1/13 Fwd C&R Via Ord--For comment. 1/14 RB 2/16 NYS--Reqt action. 3/3 To NYS--Appvs with modi. 3/7
176120	1-12	C&R	14" turrets; arrgt turret officers station; fwds plans and comments. L Retd Via Ord--Appvs with modi 1/21 RB 2/16 To NYS--Fwds copy above 1/21 Fwd C&R-- 2/24
175949	1-13	To NYS.	Fire control switchboard; fwds plan of. L
176180	1-13	NYS	Fire control telephones; cord already in stock; if changed will necessitate inc cost. L To--Authorizes change in. 1/17
176189	1-13	NYS	Fire control and gyro compass systems; reqt wiring diagrams for supply panels. L ~~To~~- Fwd Nav--For comment. 1/17 RB 2/9 To--Fwds print of Sperry plan. 2/14
176502	1-17	C&R	Fire control telephones; trunks for; plan. L Retd--Satis. 1/19 To NYS-- Fwds copy above. 1/19
177451	1-28	NYS	Call bell system; fwds wiring diagram. L To-- Appvs with modi. 2/3
177513	1-28	NYS	SUbmits list of detail drawings for fire control telephones; Cory type; reqt approval. D To-- Appvs. 2/2

N.S.E. Form 134.

563 -- 4 IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
177888	2-2	To NYS.	Arrangement of instruments in central station, plotting room, etc. fwds plans of.L To--Fwds prints superseding above. 3/25
178524	2-8	NYS	Secondary revolution counter system; fwds plans.L To--Appvs. 2/12
178642	2-9	NYS	Asks definite instructions relative to gun firing motor generator and transformers required.L Fwd Ord--2/12 RB 2/23 To--Fwds prints of installation. 2/28
178878	2-8	C&R	Voice tubes; fwds plans and comments.L Retd--Appvs with modi. 2/24
179111	2-15	To NYS.	Gives modifications authorized in fire control as recommended by Report of Fire Control Board, reqt estimats covering.L
180087	2-25	NYS	Fire control systems; reqt information re switches,etc.L To--Fwds plans for use in preparation. 3/3
180469	2-15	C&R	Mechanical interior communication; fwds plans & comments. L Fwd C&R--Appvs with modi. 3/7
180642	3/3	NYS	Fire control telephone switchboard; fwds prints L To--Appvs. 3/8
180843	2-2?	NYS	I-C and deck plans.L To--Lists certain I-C plans not yet submitted. 3/14
	To NYS--Directs modi in. 6/5		
180810	3-6	C&R	Fire control voice tubes; asks if additional are being installed. L To--Gives voice tubes required. 3/8

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IDAHO: INT COM SYS.

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Number.	Date.	From or To—	Subject.
169433	10-26	NYS	Turret salvo firing; wiring diagram.L
169434	10 26	NYS	Torp firing system; wiring diagram.L
170280	11-4	NYS	Torp firing system; wiring diagram.L
170278	11-4	NYS	Torp defence salvo sys; name plate markings for jacks;
170639	11-8	NYS	Torp firing system; contractors request permission to use 5 amp switch as shown on drawing 2078-L. To--Appvs use of switch. 11/10
170838	11-10	Ord	Voice tubes; fire control; fwds print with comments. L Fwd C&R--11/13
171543	11-18	To NYS.	Repair stations; fire control, gives appvd location of? K
171658	11/18	NYS	Fire alarm system; fwds modified plans.L
171657	11/18	NYS	Torpedo firing system; fwds plan.L
171656	11/18	NYS	Steering telegraph system; wiring diagram; fwds modified plan.L
171655	11/18	NYS	Engine revolution telegraph system; fwds modified plan.L

N.S.E. Form 134.

IDAHO: INT. COM. SYS. 563 -- 4

Number.	Date.	From or To—	Subject.	
171725	11/19	NYS	Rudder angle and auxiliary angle transmitters; location of; fwds plan.L	
172249	11-24	C&R	Trunks for fire control telephone; fwds plan.L Retd--Appvs with modi. 12/6 To NYS - Fwds copy above. 12/6	
172866	12-3	To NYS.	Fire alarm system; reqt copy of elementary and working wiring diagrams of. L NYS fwds plans 12-14	
172843	12/1	Western E lec C o	Fwds print showing ship'sservice telephone which they propose to furnish	562-4
173817	12-14	TO NYS	Long base range finder sys; auth omission.L (172930-554-4)	
173893	12-15	TO NYS	Ships service telephone system; re omit busses, separate, in switchboard.	
174028	12-14	NYS	Telephone system; wiring diagra m; fwds.L	
174430	12-21	To NYS.	Ship's service telephone system; directs change in. L	
174962	12-29	To NYS.	Gyro compass system; fwds plans of for guide in preaparation of elementary wiring diagram. L	
175362	1-4	N S	Range and deflection system; reqt definite instructions for making wiring diagrams for.L Retd Via Ord-- 1/6 RB 1/14	

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[OVER.]

IDAHO: INT. COM. SYSTEM. 1915

Number.	Date.	From or To—	Subject.
166563	9/23	NYS	Gun firing system; Contrs request that change from rotary converters in motor generators be not made. L
166796	9/24	C&R	Cage mast; fwds tracing. L
166852	9/27	NYS	Air lock indicator system; fwds plans.L
166980	9/27	NYS	Fire alarm system; fwds wiring diagram.L To--Appvs with modi. 10/2 To--Omit fire alarm annunicators·10/13 To NYS 10/21
NYS subcontractors wire to hold up work on 10/23			
166999	9/29	NYS	Torpedo firing system; fwds wiring diagrams. L To-- Appvs with modi. 10/4 NYS returns corrected 10-11
166998	9/29	NYS	Whistle operating system; wiring diagram; fwds. L To-- Appvs· 10/4
166869	9-28	To NYS.	Type plan action cut-out switchboard; fwds plan of. L
167106	9/29	NYS	Steering telegraph system wiring diagram; fwds.L To-- Appvs· 10/4
167139	9/30	NYS	Cease firing gong system; fwds wiring plans.L To--Appvs. 10/6 NYS fwds corrected plan 10-11
~~167247~~	~~10/1~~	~~NN~~ VOID	
167245	10/1	NYS	Gun firing system; fwds wiring diagram rotor converter.L To--Disappvs; reqt new plant· 10/6

NB—0120

N.S.E. Form 134.

IDAHO: INT COM SYS. 565-4

Number.	Date.	From or To—	Subject.	
167352	10-2	NYS	Turret salvo system: wiring diagrams; fwds.L To--Appvs. 10/6 NYS returns corrected 10-11	
167353	10-2	NYS	Locl turret fire control; wiring diagram.L To--~~xxxx~~ Disappvs. 10/6 NYS asks who will supply 10-7 To--Contr's will furnish. 10/11	
167393	10-4	To NYS.	Arrangement of instruments on bridge; direct alterations be made in.L	
167552	10-6	NYS	Ships service telephone system; fwds b/p list To-- Appvs with modi. 10/8 NYS returns corrected 10-12 NYS 10-13 To NYS 10/21	
	To--Will install type DM telephones. 2/24			
167546	10/6	To GE	Gun firing rotary converters; rotary converters will be eliminated owingto new system developed	562-4
167776	10-7	NYS	Torp defence salvo system; fwds wiring plans.L	
167910	10-8	NYS	Voice tube system; fwds; recommends additional tube bridge to chart house. Fwd C&R-- Rec sppvl.10/12 RB 10/21 Fwd NYS-- 10/22 RB 10/26	
168280	10-13	NYS	Fire alarm sys; wiring diagram.L	
168513	10-15	NYS	Fire control system; fwds list of telephones, wires,etc.L To NYS 1 0/21	
168667	10-18	NYS	Torp defence salvo; wiring diagram.L	
169388	10/25	C&R	Voice tubes; fwds plans.L Retd--Appvs with modi. 11/9 To NYS--Fws copy above end. 11/9	

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[OVER.]

Number.	Date.	From or To—	Subject.	
163802	8/19	NYS	Air lock indicator system; fwds plans.L TO -- reqt plans 8-20 To-- Appvs. 10/4	
163855	8/19	Ord	Optical range finder ~~diagram~~ transmission system; fwds wiring diagram	554-4
163946	8-20	NYS	Genl alarm gong system; plan. L To - appvd. with mod. 8-23	
163945	8-20	NYS	Water tight door signal system. Plans. To--System will be omitted. 9/9	
164103	8-23	C&R	List of voice tubes. L Retd--Appvs.9/2	
163622	8/17	NYS 1259-37	Marking of I C circuits.L To - submit estimate 8-23	
164706	8-31	C&R	Mechanical indocators for drainage tanks; omitted L	
164921	9-2	NN	Fire control telephones; changes requested will involve change in cost.L	
165186	9-7	To NYS.	Gun firing system; asks if gun firing rotary transformers have been ordered. L To--Fwds print for guidance. 12/10	
165375	9-10	To NYS? SEE BELOW	Trunks for portable fire control leads; fwds copy of letter to C&R giving location of. L NYS reqt copy 9-13 To--9/20	
165487	9-10	To NYS.	Optical range finder transmitting system; fwds prints of. L To--Fwds add prints. 1/4	
165375		SEE ABOVE To NYS--Fwds prints.9/24	NYS-Reqt prints; calls attention to shortage of office force.9/21. L NYS-print not recd.9/29.	

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N.S.E. Form 134.

IDAHO: INT COM SYS. 563-4

Number.	Date.	From or To—	Subject.	
165610	9-11	C&R	Voice tubes for 5" guns. L Fwd Ord--Comments. 9/17	
165818	9-10	NYS	Torp defence salvo system. L To-- Disappvs; resumit plans. 9/20	
166252	9-21	To NYS.	To NYS. Loud speaking telephone system; authorize omission of. L	
166400	9/21	Ord	Voice tubes; rec. supplying 5-inch gun-mounts with voice tubes attached. L Fwd C&R-- Comments on. 9/27 RB 10/4 Fwd Ord-- Noted. 10/7	
166452	9/22	C&R	Drainage tank signal system; states installation of pneumercators under C&R will eliminate elec. signals under S.E. L Retd-- Comments on. 10/4 RB 10/14 Fwd C&R-- 10/29	
166526	9/23	NYS	Gen. alarm gong system; wiring diagram; fwds. L	
166527	9/23	NYS	Marking of I.C. leads; fwds prints/ L	
166529	9/23	NYS	Rudder indicator system; wiring diagrams; fwds. L	
166530	9/23	NYS	Eng. rev. telegraph system; wiring diagram; fwds. L	

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[OVER.]

Number.	Date.	From or To—	Subject.	
341829	9-24	Ins NY Ship	Call bell system fwds prints.	
353365	9-27	C&R	Voice tubes for radio station fwds prints	L
353960	9-28	Ordnance	Insp. at Cambria req. drawing of wiring of diagram of turret gun firing	
354227	9-30	NY ship	changes in plotting relative to changes in location of voice tubes instruments etc	L
354226	9-30	NY ship	speaking telephone and buzzers signal system for radio construction req. additional information	L

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

IDAHO: INT COM SYS

Number.	Date.	From or To—	Subject.	
160803	7-14	NYS	Engine order tel system; wiring diagram. To-- Appvs. 7/20	
160901	7-16	NYS	Boat hour gong system; fwds plan.L	
161049	7-14	NYS 1053-3310	Engine revolution telegraph sys; wiring diagram.L To--Appvs with modi. 7/24	
161294	7-20	NYS	Warning signal system; fwds list of howlers wiring diagrams etc.L To-- Appvs with modi.7/24 NYS reqt further information 7/28 To--Gives information. 8/4	
161329	7-22	NYS	Coty type plan; torp firing key; reqt approval.L To-- Appvs. 7/24	
161330	7-22	NYS	Portable contact maker for salvo sys; reqt.L To--Appvs subject to operation.7/24	
161380	7-23	To NYS.	Marking of interior communication leads; gives instructions for. L	
161439	7-24	To NYS.	Fire control telephone switchboard; fwds plan for guidance in connection with preparation of plans for. L TO -- reqt contrs comments re change in cost8-13 To--Reqt reply.9/2	
162181	7-31	To NYS.	Turret salvo system; fwds plans showing modifications in. L	
162561	8/3	NYS	Genl arrgt of steering gear and telemotor control.L To Inpt. N.Y.S. under C&R 8-11	

N.S.E. Form 134.

563 -- 4 IDAHO: INT COM SYS:

Number.	Date.	From or To—	Subject.
162613	8-4	To NYS.	Turret local fire control and gun firing system: fwds print for use as guide in connection with preparation of. L
162687	8/4	NYS	Fire room telegraph system; fwds working wiring diagram.L To--Appvs. 8/9
162868	8/6	NYS	Speed indicator system; fwds wiring plans.L
162918	8/7	C&R	Voice tubes; fwdslist and plan.L Retd-- Appvs with modi. 9/2 To NYS--Fwds copy above.9/2
162990	8/7	NYS	Engine order telegraph system; fwds wiring plans.L
163042	8/10	NYS	Steering signals, marking of leads for, fwds print.L
163202	8-10	NYS	Warning signal system; wiring diagram. L
163185	8-11	NYS	Type of elec candlestands for officers' quarters.L To--type submitted not desired 8/14
163229	8-12	TO NYS	Maneuvering telephone calls; will omit
163233	8-12	TO NYS	Marking of interior communication leads; reqt copies of plans. L
163591	8/17	To NYS	Arrgt of instruments on bridge; fwds plan.L NYS reqt interpretation of extent of change 8/18 TO --instructions 8-20

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IDAHO: INT COM SYS.

1915

Number.	Date.	From or To—		Subject.
155389	5-19	To NYS.		Turret voice tubes; gives list of voice tubes required in each turret. L
155628	5/21	NYS		Battle tracing system; reqt description of.L To-- Refers to Ord Pamphlet #391. 6/5
156471	6-2	To NYS.		Arrangement of instruments in turret officers booth; fwds prints of. L
156743	6-4	To NYS.		Turret local fire control and gun firing system; fwds plan of. L To--Plan above modi; wait receipt of new plan. 6/14
157079	6-7	NYS	849-3216	Fire control maneuvering system; plan.L To-- Appvs. 6/10
157391	6-10	G&R		Voice tubes; torp defence station.L Retd--Comments on.6/14
158186	6-17	NYS	895-3313	Gun firing rotary generator; fwds list of spare parts for.L To--Appvs; gives list of spare parts required. 6/22
158230	6-12	NYS		Fire room telegraph system; reqt approval of Cory type plans. To-- Appvs. 6/25
158570	6-21	NYS	1907-37	Reqt approval of Cory type plans misc indicators I-C system.L Tp-- Appvs subject to operation.6/24
158797	6-23	Ord	29480-109	Turret officers station; fwds print relative to rrgt of instruments and shells.L

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IDAHO: INT COM SYS 563 — 4

Number.	Date.	From or To—	Subject.	
159204	6/28	NYS	Method of installing armored cable and voice tubes	563-3
159448	6-30	NYS 961-37	Elec and mechanical I-C system; reqt approval of list of standard plans.L To--Appvs with modi. 7/3	
159982	7-8	NYS	Gun firing device; fwds GE list of spares for firing set.L	
160277	7/9	NYS	Fire alarm system; fwds wiring diagram.L To-- Appvs with modi. 7/14 NYS fwds plan 7-15	
160278	7/9	NYS	Boat hour gong system; fwds wiringdiagram.L To--Appvs with modi. 7/14	
160279	7/9	NYS	Call bell system; fwds wiring diagram.L To--Appvs with modi. 7/29 NYS fwds print 7/30	
160235	7/10	NYS TO NYS appvd 8-13	Range and deflection system; reqt data for making wiring diagram.L Fwd Ord--Comments on. 7/14 RB 7/17 To--Lists instruments to be furnished by Bu Ord.7/21signal NYS development 8-11	
160349	7-12	NYS	Steering emergency system; fwds wiring diagram.l To--Appvs. 7/14	
160447	7-12	NYS	Speed indicating system; fwds wiring plans.L To-- Appvs with modi. 7/17	
160572	7-14	NYS	Fire control telephone switchboard; reqt type plan.L To--Will be issued shortly. 7/17	
160694	7-14	C&R To NYS--Fwds copy end.7/27	Cage mast; fwds plan of arrgt.L Retd--Appvs with modi. 7/27	
160696	7-10	NYS 1031	Steering gear; gnl arrgt in connection with arrgt instrments in steering station. Fwd Nav--For comment. 7/24 NYS Reqt action 7/27 RB 7/28 Fwd NYS--Comments on plans. 8/4 RB 8/10	

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IDAHO: INT COM SYS

1915

Number.	Date.	From or To—		Subject.	
143930	1-7	NYS		Steering telegraph system; plan.L To--Appvs with comment. 1/9	
144015	1-8	NYS		Boat hour gong system; plansL To--Appvs subject to test. 1/9	
143944	1/8	NYS		Reqt type plan of I-C	563-3
144523	1-14	NYS	3887	Torsionmeters; reqt approval of Cummings type.D To-- Appvs. 1/18	
144621	1-15	NYS	77-324	Air lock indicator system; plan.L. To-- Appvs. 1/18	
144622	1-15	NYS	80-334	Salvo system; fwds plans.L To-- Appvs. 1/18	
145174	1-21	NYS	111-2221	Indicators,etc. Method of handling and approving Cory pirnts.L To--Gives procedure. 1/27	
145750	1/28	Cory & Son		I-C specns	562-4
125875	12/8	Cory & Son		Fwds tracing for approval as standards; will be followed for I-C system IDAHO & MISS	665
147109	2-14	NYS		Turret training warning signals; plan.L To-- Appvs with comment. 2/16	
147465	2/17	To NYS		Au xiliary rudder indicator system;reqt plans and estimates for	522-4

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IDAHO: INT COM SYS 563 -- 4

Number.	Date.	From or To—	Subject.	
147642	2-18	NYS 308-3311	Turret training warning signals; wiring diagram; plan.L	
149074	3-6	NYS	Typical voice tube panel; print.L	
150232	3-20	NYS 481-3313	Gun firing rotray transformer; xcontractors claim requires departure from specns.L To-- 3/24	
151987	4/10	To C&R via Ord	Type plans of interior communication; plan for comment	554-4
152463	4-16	To NYS.	Type plan of interior communication; fwds plans of. L To--Omission of general alarm gongs & signals; tract as a development. 7/12	
152584	4-17	To NYS.	Type plan of interior communication switchboard; fwds plans of. L	
154068	5-4	NYS	Genl alarm gong system; plans.L To-- Appvs. 5/6	
154174	5-4	NYS	Boat hour gong system; fwds type plan and list of gongs.L To-- Appvs. 5/8	
154382	5-7	C&R	Voice tube system.L Retd--Comments on. 5/11	
154854	5-13	To NYS.	Warning signals; will appvd Cory type of recently tested at NY. 5/13 L	

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[OVER.]

Number.	Date.	From or To—	Subject.	
632669	7/6	CO	Report on trouble experienced with tubine rotor of #4 generator L	
642905	9/25	Pug.Sd. (T)	Request auth to draw 3 searchlight mirrors from store for replacement. To Pug Snd (T) Grants authority 9/27	
USS IDAHO	10/17	To CO via S&A	Rqn over-speed tripping device for general elec Co- 300 K W turbo-generator L R	
644130	10/19	M.I.	Request shipping instructions to ship to IDAHO L	20-X-5

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
543774	1;26	Pug Sd	Ask if plan of maneuvering lights should be changed to conform to revised drawings.L To Pug Snd grants authy cc CO C&R 2/9/21
548578	1;19	CO	Request instal pilot lights near bell buzzer contact makers in turrets.L To CO appvd cc Pac Fleet- C-I-C 3-3
550123	3;3 3;5	GE Co Phila	Request authority to instal improved diaphragm in back pressure emergency tripping device.L To G E Co Will be available for overhaul at Pug Snd 3/21 cc Phila- Pug Snd- CO 3/14
563981	4;29	CO	Submits report covering tripping of circuit breakers during gun fire.L To CO Ack receipt of report ~~6/17~~ cc Batlships force 6/17
590170	10;11	Inspr NYS	Turbine turning motor and controller and rheostats-fwds prints.L
598411	12/2	CO (T)	Request immediate shipt of one worm and wheel for oil pump and main governor drive, GE turbo generator. L To CO- Gives date of shipment 12/13

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IDAHO ELEC LIGHT AND POWER 1922

Number.	Date.	From or To—	Subject.	
610543	2/16	GE Co.	Subm inform rel to cost of packing rings for turbine' L	
615549	3/21	Pug Sd	Copy of letter to Inspr G.E. acknowledging receipt of revised drawings of 300 KW turbo generator sets L (2 letters)	
617242	4/5	Norfolk	Copy of letter to Inspr G.E. acknowledging receipt of revised drawings of 300 KW turbine generator sets L	
620393	5/8	To USS IDAHO	Fwds prints on replacemt of Circuit Breakers on Main Switchboards. L	131-1
625033	5/12 5/23	M.I. S&A	Ask if type H.clear globes may be purchased for L Fwds S&A cc MI- C° 6/1	

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[OVER.]

IDAHO: ELEC LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
464512	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Addition of wiring for Franklin life buoy release system-fwds estimated increase in cost.D
464523	12;15	Inspr NYS	Installation of permanent shore connection leads for power and lighting.fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB-12;31
464520	12;15	Inspr NYS	Addition of outlet for sterilizer in forward battle dressing station and the addition of water heater in after battle dressing station-fwds estimated increase in cost.D To Solicitor 12-24, RB 12-30;
464527	12;15	Inspr NYS	Installation of additional wiring for ventilating motors for after battery charging station, and for turret auxiliary power storage battery station.fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB-12;31
464535	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Auxiliary lighting system-fwds estimated increase in cost.D
464537	12;15	Inspr NYS Fwd. Solicitor. 12-24 RB 12-30;	Substitution of two 1000 watt units, four 500 wat units and twelve 250 watt units for the cargo reflectors-fwds estimated increase in cost.D
531854	11/29	C&R	Evershed and Chadburn control for IDAHO 563-4 MISSISSIPPI NEW MEXICO & TEXAS- fwds prints. L

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Number.	Date.	From or To—	Subject.	
472910	1/21	CO	Submits list of changes of searchlight feeders, distribution boards - L To- Change of searchlight feeders appvd.2-10 CO-fwds skexh of connection of searchlight feeders to distribution parts-3;26-L	
478582	2;19	CO	Setting of 300 kw generator circuit breakers-submits recommendations covering.L To CO- Setting of generator circuit breakers at 2400 ampers appvd. 3-1	
P.S. NSA	3-13	To Inspr Brook	Spare parts for 24" Arma Searchlight lamp' type AA. L	
482783	3-22	To S.O. Ny	Fwds turbine blading plans. D copy to Lt. Reynolds Ny. D	
502461	6;30	Pug Sd T	Request immediate shipment of director indicator lights for work on IDAHO & MISSISSIPPI.L To SO Norf (T) Ask if light ready light indicator panels drawing available for shipmt 7-1. Norf- (T)- Indicator panels recd from Phila. available. 7/3 L To Pug Snd (T) Advises Norf will supply dir indicator lights as listed 7-6. To Norf 8/24/20	
507717	7;26	Inspr NYS	Fwds finished plans of 300 kw generating setsK&L	
543368	1;18	CO	Calls attention to C&R machy being furnished with 120 voltmeters.L Fwd C&R cc CO 2-1/21	
C&R-2;9-L				

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[OVER.]

IDAHO: ELEC LIGHT & POWER: 1919

Number.	Date.	From or To—	Subject.
445097	12-6	SEE CARD 23	To Inspr NYS- Adhers to decision to have contractors furnish an estimate od decreased cost.L NYS - submits estimate - 1/19 fwd Sol 2/5 RB-2;10 To Inspr NYS- Change referred to Bd on changes. 2-12 Fwd Solicitor 11-5 RB-11;10-D To NYS Co Fwds report re red in number and length of ship's tests 11-11
464520	12;15 Fwd Solicitor. 12-24	Inspr NYS	Changes in the illuminating outfit-fwds estimated increase in cost.D
464436	12;15	Inspr NYS	Change in size of wire on lighting mains-fwds estimated decrease in cost.D
464438	12;15 Fwd Solicitor. 12-24 RB-12;31	Inspr NYS	Addition of wiring to supply current for apparatus in dental office-fwds estimated increase in cost.D
464471	12;15 Fwd Solicitor. 12-26 RB-12;1;2	Inspr ~~KR~~ NYS	Contractors not securing various fittings for illuminating outfit to the ships structure, and not fitting portable sections-fwds estimated decrease in cost.D
464476	12;15	Inspr NYS	Substitution of a complete man-overboard, breakdown and peak light signalling installation for the flag and peak lights-fwds estimated decrease in cost.D
464477	12;15	Inspr NYS	Wiring incidental to change in location of boat booms from frame 72 upper deck forward to frame 17 upper deck-est increase in cost.D

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563-5: IDAHO: ELEC LIGHT AND POWER:

Number.	Date.	From or To—	Subject.
464477	12;15	Inspr NYS	Addition of power main for ventilating set in laundry-fwds estimated increase in cost.D
464501	12;15	Inspr NYS	addition of wiring for cake machine-fwds estimated increase in cost.D
464498	12;15	Inspr NYS	Change in location of ice cream freezer from ice machine room to potato peeler room-fwds estimated increase in cost.D
464497	12;15	Inspr NYS	Increase in size of power feeder necessitated by the installation of additional laundry machinery-fwds estimated increase in cost.D
464492	12;15	Inspr NYS	Addition of overload time limit device to main switchboard circuit breakers-fwds estimated increase in cost.D
464505	12;15	Inspr NYS	Installation of blinker signal set on mainmast.fwds estimated increase in cost.D 563-4
464503	12;15	Inspr. NYS Fwd Solicitor. 12-26 RB-12;31	Installation of auxiliary turret turning and gun elevating motors and aux power for-fwds estimated increase in cost.D
464516	12;15	Inspr NYS	Alterations in mains for elec aux in turrets-fwds estimated increase in cost.D

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[OVER.]

IDAHO: ELEC LIGHT & POWER: 1919

Number.	Date.	From or To—	Subject.	
421674	5-31	To I.M. Ny	Alterations electrical. Inform authority for making alterations under J.O.3KE102. L N Y 6/4- Battery charging panel. Work held up pending instructions on relocation L To C&R- Gives detail comment on. copy to I.M. Ny and CO. L C&R 6/12 RB 6-19	
421194	6-7	To Inspr NYS	Additional laundry machinery. Change appvd and referred to bd on changes. L-n	
424117	6/6	Inspr N.Y.S.	Subm estimate of decreased cost due to contractors not securing various fittings for illuminating outfit for Ship's structure. L. To Inspr NYS- Change auth and referred to Bd. on changes. 6-14	
425353	6;13	Ins. NYS	Estimate increase in cost for electrical work in connection with change of boat boom L To- Change appvd and referred to Bd on Changes. 6-19	
425352	6;13	Ins. NYS	Lighting system, man overboard estimate increase cost L To Inspr NYS-Change apvd and referred to Bd on Changes. 6-19	

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1919

IDAHO: ELECT LIGHT & POWER

Number.	Date.	From or To—	Subject.
426096	6;17	C&R	C&R - 11/5 Req. type balloon winch be installed on exactly as recd L To I.M. Ny- Lists fire control phone auth for installation. copy to C&R & CO. 7-22 C&R-fwds copy instrns for kite balloon winch-8;29
To C-C Atl Flt-Lists work auth. 9-5 copies to PAC FLT NY NORF PUG SD C&R AND CO all vessels listed. Norf-fwds print of kite balloon winch on OKLAHOMA-cross to OKLAHOMA 9;25			
426282	6/24	Inspr N.Y.S.	Fwds invoice covering spare parts for portable schlight removed from and fwded to Phila. L.
35357	6/24	Inspr N.Y. Ship	Fwds copy of invoice covering starting 629 panel for 2 KW motor generator for IDAHO. L.
438065	8;6	Inspr NYS	Addition of power mains for ventilating set in laundry-fwds contrs estimate.D&L cross to 13
438065	8-24	To Inspr NYS	To InsNYS Addition of Power Main 19P841 for ventilation set #77 in Laundry. Change appvd and refered to Board on Changes. L-N 8;14
445097	9/11	NYS	Ventilating sets - endurance tests - reduction in length of - L Fwd. C&R. 11-20 RB-12;1 Fwd C&R. 9-20 RB--10;2 copy to C&R.
To Inspr NYS- Estimate in change of cost should be submitted. 10-15 NYS - 11/5 Inspr NYS-reqt contrs submit est--11;14			Inspr NYS 10-7 To Inspr NYS- Correspondence referred to C&R.10-14
446-3-1	4;-4 9;-6	NY SB Corpn Inspr NYS	Main switch circuit breakers-submits change in cost. L To Inspr NYS- Change appvd and referred to Board on Changes. 9-24

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[OVER.]

IDAHO: LIGHT & POWER

Number.	Date.	From or To—	Subject.
412172	4;17	Ins. NYS	Ventilation for strg. bat. and turret aux. power sys. estimate of increased cost L Fwd C&R. 4-24 R B 5/7 To- Change appvd and referred to Bd on Changes. 5-13
412176	4;7	Ins. NYS	Omission of gyro reflector and installation of exterior ammunition sys. estimate of increased cost. L Fwd Solicitor. 4-24 R B 4/29 To- Change auth and referred to Bd Changes. 5-3
412178	4;8	Ins. NYS	Change in size of wire on light mains. estimate increased cost. L Change appvd. Refered to Bd Changes. 4-22
412163	4;18	Ins. NYS	Addition of wiring to supply power requirement for dental appliances - estimate in increased cost. L To- Change appvd. Referred to Bd Changes. 4-24
413609	4;23	Ins. NYS	Wiring for motors for galley and cake machine. L Fwd C&R. 4-29 R B 5/6 To- Installation of cake machine auth by C&R. Estimate for cost of wiring will be fwded in the usual way. Ins. NYS fwds Contr. estimate 5;14
413780	4;18	CO	Req. Watt meter for motor lead to stearing gear. L Fwd Operations. 5-2 R B 5/6

To- Change appvd and referred to Board on changes. 5-21

To- Installation of graphic wattmeter appvd. 5-10

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N.S.E. Form 134.

IDAHO: LIGHT & POWER

Number.	Date.	From or To—	Subject.	
414713	4;25	NYS	Aux lighting sys. estimated cost due to changes in L To- Change auth and referred to Bd changes. 5-3	
416498	5/5	NYS	Installation of portable combination sterilizers and containers - change in cost. To- Change appvd and referred to Bd on changes. 5-13	
416809	5-7	NYS	Electrical detaching device for Franklin Life Buoys - Increased cost - L Fwd Solicitor. 5-14 RB 5:19 To- Change auth and referred to Board on Changes. 5-21	
416810	5-7	NYS	Alterations in mains for electrical auxiliaries in turrets- Increased cost - L To- Change appvd and referred to Bd on Changes. 5-13	
417317	5;9	NYS	Aux. turret turning motors ; changes in cost L To- Change auth and referred to Bd on Changes. 5-13	
421197	5-17	Inspr N.Y. Ship	Request location of ice cream freezer and hardening cabinet. Submits estimate increased cost L	
To Inspr NYS- Change appvd and referred to Bd on changes. 5-2 Inspr NYS 6/7				

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IDAHO: LIGHT & POWER

Number.	Date.	From or To—	Subject.
389614	1;28	Ins. NYS	Ask when 24" HP signalling searchlight will be del. to ship L To- Gives directions for wiring. Searchlights not to be ready for several months. 2-1-19
390344	1;28	Ins. NYS	Req. add 3 sets of spare leads for after type of air meter installed on ; to allowance list L& RA To NYS- Addition of three sets spare ammeters leads disappvd. 2-7
391957	2/4	NYS	Lighting for operating room - changes recommended - L To- Proposed modification to lighting over operating table not to be made. 2-12
393402	2/8 Fwd Inspr NYS- 3-19 RB 3;22	NYS	Gearing supplied for light Alidades torpedo defence station - L Fwd Ordnance. 2-13 RB 3;15
394881	2;12	Ins. NYS	Fwds print of rail in front of switchboard in distribution room in connection with substituting hand rail L
397519	2;24 3;20 CO - fwds in excess regn for storage battery - 10/22 Navgn - 11/19	Ins. NYS Ins. NYS	Fwds copy of letter to contr. stating gyro compass strg. bat. should be returned to factory for overhaul L To- Reqts further information - 2-27 N.Y. Ship 3-7 Relative to repairs to storage batteries. Inspr NYS 6/7
397524	2;24 To- Shipt of searchlight being expedited. 3-1	Ins. NYS Ins. NYS 3;15	Req. GE Co have installed to ship - 2 signalling shutter for searchlight of L To Navgn-Fwds correspondence. 11-26

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N.S.E. Form 134.

IDAHO: LIGHT & POWER

1910

Number.	Date.	From or To—	Subject.	
403776	3/17	Ins. NYS	Fwds contr, let stating lead burning outfit for strg. bat. will not be included in allowance Y.	563-21
404395	3;20	Ins. NYS	Lighting system req. fwd prts. L To- Fwds duplicate prints. 3-25	
4 403392	3;20	Ins. NYS	Calls attention to curcuit breaker tripping switch 300 KW turbo generator unit not functioning properly L To- Recommendations ~~and~~ being fwded to proper yds and insprs for guidance.3-27 To Inspr GE- Fwds copy of letter from Inspr re defective fuctioning of tripping device. 3-28 To Inspr NNs. ditto L 3-28	
409761	4;9	NYS	Wiring for 24" searchlight installed by contr. L	
410923	4/12	CO	Confirms telephone conversation relative to transfer of 5 storage batteries from NEW MEXICO to IDAHO - L	

IDAHO: LIGHT & POWER, 563 - 5

Number.	Date.	From or To—	Subject.	
361653	10/23	Inspr. NY Ship	Request information in connection with apparatus being supplied by Bu. om demtal office on Idaho Fwd Med & Sur, 10-30 To S&A rqst shipmt electric fan Phila to NYS, 10-30 To Med. & Sug. Oct. 30 back Nov. 12 Shipment order dated Oct. 30 back Dec. 5 Inspr. NY Ship Dec. 4 - fwds plans showing alterations Ins. NYS main deck fwds lighting - fwds print 1;8 L	L
367781	11-9	C&R	Inspr. S.E. workin in connection with installing dental office	
368062	11-6	Inspr. NY Ship	Chart house and bridge electric connections indicator and radio - fwds plans L	
371200	11-21	Inspr. NY Ship	List of power feeders and mains after distribution boards - Fwds	L

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N.S.E. Form 134.

563- 5 IDAHO LIGHT & PWER

Number.	Date.	From or To—	Subject.	
375279	12/10	To S&A	Rqst shipmnt storage battery Phila to Inspr NYS. L.	563-4
375961	12/11	To Inspr NYS Corp	Instruc issued to ship battery to Service Station Phila for care and preservation until IDAHO is ready for its installation on Board.	607-1
3				
385546	1;14	NYS	Req. prints L	
		To- Gives directions for compilation of record of elec appliances. 2-8	To- Fwds plans for contractors use. 1-24	
	3;13	NYS	NYS - 2/4	
383303	1-15	To Inspr NYS	Re approval of proposal of contractors re repai damaged feeder by install of special junction box-	563-3
386461	1;16	Ins. NYS	Req. copies of shipping order covering printing outfit for be fwded L.	
	2;3	Ins. NYS	Fwd Navgn. 1-21 copy to NYS Fwd C&R. 2-8	

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[OVER.]

IDAHO: LIGHT & POWER

Number.	Date.	From or To—	Subject.	
312221	6-6	To Inspr NYS	Giving tabulated list of weights of Electrical Material and rqstg inform. L	
To Inspr NYS Rqst inform re weights of electrical material, 10-2			NYS 6-21	
NY Ship sheets	Oct. 23	Fwds duplicate weight L	NYS - contrs will submits list of weights in about a week - 8/27	
313853	6/5	NYS	Fwds blueprint showing power system 3rd deck aft in connection with cross conn for air compressors.	563-23
315312	6-14	To Inspr Camden	Re turbo generator external oil coolers, and commenting on same, LDN	
			To G E Co (T) coolers will be accepted 8-1	
317334	6;14	NYS	Elec. insulation after, dynamo and distribution room. Fwds prints.	
328489	7/16	NYS	Auxiliary lighting - fwds print.	
NYS - fwds prints - 11/18			To Inspr NYSListing auxiliary lighting plans 8-1	
			Ins. NY fwds plans. 9-10 L	
			NYS - plans now being modified - 10/28	
331656	7-29	NYS	External oil coolers for turbo generator - recommends acceptance of Standard No. 2 commercial coolers offered by Schutte-Koerting Co. L	
			To Inspr NYS, re above, 8-5	
322499	See card	162	To Inspr NYS-will attempt to have IDAHO's signal searchlights delvd before she leaves yd	708
316563	12-12	To Insp. Camden	4 battle lanterns & outlets shown on main deck fwd. for 5" guns will be omitted	

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N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563 - 5

Number.	Date.	From or To—	Subject.	
334367	8/5	NYS	Experimental oil coolers for turbo generators - fwds copy of correspondence NYS and GE - L	
34427	8/8	Ports	25 ampere switches USS IDAHO-reports shipt	629
337999	8/15	NY	Fwds set of blue prints covering type A sounding machine - L NY 8/15 - Cancelled.	
343959	8/31	NYS	Asks if instantaneous shock proof in lieu of time limit circuit breakers are reqd - L To Inspr NYS re approved time limit device 9-5	
354911	10/2	NYS 21	Store batteries ask spare parts to be shipped	
359994	10;18	C&R 8	Copy of instructions to Supt. Const. in connection with Dental Office L	

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[OVER.]

IDAHO : LIGHT & POWER. 1918

Number.	Date.	From or To—	Subject.	
287718	3/8	NYS	Detailed turret plans - fwds - L To- Plan appvd with modifications· 4-24	
288491	3/8	NYS	Name plate markings for forward and after distribution boards - fwds prints - L	
291778	3/21	NYS	Lighting system - fwds plans.	
294486	4-2	Inspr NYS	Name plate markings for distribution boards. Fwds plans. L	
295788	4-1	General Electric Co	Anti-Aircraft searchlight for New Mexico Mississippi and Idaho—reqts extension contract time of delivery	554-5
241	4/11	GE	Searchlights shipped under this contract to Mississippi, Idaho, New Mexico - L	629
300687	4/22	GE	& IDAHO & MISSISSIPPI - 36 inch searchlights request authority to furnish cloth van dykes in lieu of tracings	554-5

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N.S.E. Form 134.

IDAHO: LIGHT & POWER? 563 - 5

Number.	Date.	From or To—	Subject.	
303674	5/7	NYS	Fwds blue print showing list of incandescent lamps - L	
305185	5-8	NYS	Lighting fixtures and appliances - fwds prints. L	
307037	5-14	Inspr NYS	Fwds blue prints showing diagramatic of electrical heaters in turrets. L To-- re elec heaters in turrets, 6-4 NYS - fwds print - 6/17	
309025	5-21	Inspr NYS	Fwds blue print showing cross connection for air compressor panels. L NYS - 5-28	
309903	5-23	Inspr NYS	Ask if Bureau wishes contractor to order a circuit breaker to replace missing one. L To (T) -- Make all effort to obtain circuit breaker 5-28 Phone N Y, re loss of circuit breaker 5-28 NYS (T) impossible to crate circuit breaker 6/1 L	

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[OVER.]

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IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
260543	11/13	NYS	Switch panel for auxiliary lighting in fire and engine room - fwds print - L To Plans appvd with modifications. 11-19 NYS - fwds print - 11/24 L	
262757	11/22	NYS	Search lights - fwds prints L To- Plans appvd. 11-30	
262959	11/23	NYS	Request detailed finished plans of search lights be fwd - L To- Plans not on file. Mfg has been reqted to expedite delivery of plans. 11-26	
266641	12-10	Brook	Cable; reports on analysis of; recommends acceptance. L To- Your action appvd. 12-15	
271654	1/5	NYS	Modification for lighting fixtures and appliances due to omission of mine room - L	
275140	1/19	Phila	Asks type of portable safety lanterns to be supplied. R	563 - 21
277447	1-31	To NYS	Circuit breakers for distribution switchboard. Fwds copy of circular letter of 1-29. Reqts comment. L To (T)- 2-14 NYS 2/15 - L NYS - switchboards - arrangement of cable 2/23L	

N.S.E. Form 134.

563 - 5 : IDAHO: LIGHT & POWER:

Number.	Date.	From or To—	Subject.	
255718	2-1	SEE CARD 16	To NYS-Plans appvd with modifications. 2-1 Inspr NYS - Requests action. L 3-20	
281892	2-3 To- Plan appvd 4-22	Insp. New York Ship.	Fwds. list of lamps for. L. To-List of lamps appvd. with corrections. 3-19 To-Gives changes allow. 3-19 To- Gives amendments. 3-20 NYS - fwds prints - 4/11 - L	
255718		CARD 16	Inspector NYS-Forwards print. L 2-15 NYS - Request action. L 3-6 To NYS-Letter of March 19th contains action. 3-23	
283222	2-21	To NYS	Circuit breakers - Inform when shipt of have been made. L	
284235	2/23	NYS	Circuit breakers - reports shipped to NY for test - L To- gets shipt generator circuit breakers to NY. from GE Co. 3-4 NYS - L 3-7	
286379	3/4	NYS	Door operated cut out switch for chart house - request confirmation of Insps action in directing to furnish - L Confirms your order. 3-13 Inspr NYS - Lighting plans - fwds. L 3-25	

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[OVER.]

IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.
246560	8/28	Bd on Changes NYS	Omission of Wake Light. N
246561	8/28	Bd on Changes NYS	Omission of Semaphore N
246555	8/28	Bd on Changes NYS	Redesign of Searchlight Panels N
248640	9/11	NYS	Electrical installation dynamo and distribution room - fwds print - L
249074	9/13	NYS	Wire sizes, lighting system; contractors request authority to install mains fo smaller capacity. L To—Appvs recommendation.9/17
249780	9/17	Inspr NYS	Ask number of dark blue globes to be supplied.L To—45. 9/22
250459	9/22	To NYS	Illuminating set. Directs omit portable part of.L NYS - 10/3 L To—Appvs rec.10/9

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N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563 - 5

Number.	Date.	From or To—	Subject.
252305	10/1	NYS	Forward torpedo rooms - fwds print showing details of - L
252425	10/2	NYS	Branch box for illuminating set lights - fwds prints L To--Appvs plan.10/6
252857	10/4	C&R	Arrangement of storage battery room - fwds print - L
	NYS - 1/26 - L		
255718	10/19	NYS	Lighting system-fwds print showing summary of lighting fixtures and appliances and list of lighting feeders and main.L
	To- Action withheld pending receipt of plans reqted in letter Nov. 6th. 12-6		To- Reqts check totals. 11-6
CARD 17	NYS - lighting system - fwds prints - L		NYS - lighting system - reports on discrepancies 11/9 L
	To- Reqts submit list of spare parts for appvl. 12-27		NYS - Request action 11/30 - L
256555	10/24	NY	Storage battery panel for auxiliary training and gun elevating motors - fwds prints L
	To NYS- Gives modifications for plans 12-22		To NYS- Plans should be modified in accordance with marked blueprints returned under cover for Bureau's action. 10-26 (sep)
			NYS - fwds prints - 12/8 L To NYS-Plans appvd. 12-17
			NYS - fwds prints - 12/19 - L
257121	10/26	NYS	Storage batteries for auxiliary turret gun elevating and training motors - fwds prints - L
	To- Plans appvd with comment. 1-11		NYS - fwds plans 11/6 L To- Plans satis with modifications. 11-14
			NYS - turret detailed plans - fwds prins - 12/3 NYS 2/19 - L

CARD 17

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[OVER.]

IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.
239494	7/17	NYS	Panels for eliminating outfit - gives location and recommends certain be changed L NYS - request action L ~~To--Appvs recommendation.~~8/2 NY S - fwds print 8/20
239178	7/20	To NYS	Reqt ests covering install of elec air heater in pump room. LN NYS - fwds plans with recommendations 8/25 L
239730	7/20	To NYS	Reqt ests covering install of overload time limit device on circuit breakers of main switchboards. LN NYS fwds corres 9-13 To- Procedure satis. 9-19
240385	7/23	NYS	Lighting system - fwds prints L
240583	7/25	Ordn	14 inch turrets - arrangement of storage battery room L Fwd Ord--7/28 R B 8/3 Fwd C&R--8/8
241217	7/27	NYS	Power system - alterations - fwds plans L

N.S.E. Form 134.

IDAHO: LIGHT & POWER: 563 - 5

Number.	Date.	From or To—	Subject.	
242053	8/2	NYS	Auxiliary lighting system - fwds plans L	
242216	8/3	NYS	Balancing resistance, turbo generator leads - fwds prints, etc L To--Plan appvd.8/13 NYS 8/15	
246556	8/28	Bd on Changes NYS	Change in type of berth light fixtures N To Phila--Comments on.9/4 Gen'l Insp - 9/7 - N	
246557	8/28	Bd on Changes NYS	Change in type of single bracket fixtures N	
246558	8/28	Bd on Changes NYS	Change in type of bracket fixtures N	
246559	8/28	Bd on Changes NYS	Modifications to enable the after generators to be used for anchor windlass motors N Fwd Sol--9/1 R B 9/7	

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IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.
229579	5/21	NYS	Switchboards - fwds list of spare parts L To--Appvs.5/25
230857	5/28	NYS	Request addition of portable safety lanterns to allowance list L To--Govt will supply.5/30
230844	5/28	NYS	Battery charging stations - fwds prints L To C&R--Comments on prints.6/1 C&R - fwds plans 7/25 L
232264	6/6	NYS	Vacuum cleaning system for cleaning armatures, etc - fwds cuts Western Electric type L To--Instrns.6/19 NYS - relative to installation of vacuum cleaning system 7/9 L NYS - request action 7/25 L To NYS--D isappvs.8/1
232966	6/7	NYS	Water tightness of compartments - fwds prints L

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N.S.E. Form 134.

IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
234141	6/15	NY	Switchboards - list of spare parts - fwds L To NYS--Appvs list.6/20	
234304	6/18	NYS	Fwds prints of arrangement of control for running signal lights L To--Plan appvd with modif.6/29 NYS - request prints 7/2 L NYS - fwds print 7/20 L NYS - 9/11 - L	
234472	6/19	NYS	List of lighting fixtures - fwds prints L	
234473	6/18	NYS	Water tightness of compartments, list of lighting feeders, fixtures, etc - fwds prints L To--Plan appvd.6/30 NYS - fwds print 7/3 L	
235050	6/21	NYS	Auxiliary lighting - fwds prints L	

NB—0120

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IDAHO; LIGHT & POWER.

Number.	Date.	From or To—	Subject.
219245	3/24	To NYS	Fwds blueprints of plan showing mechanical control for searchlights. L
219776	3-24	NYS	Lighting deck plans; fwds.L
220207	3-29	NYS	After dynamo and distribution room; ~~for~~ Elec installation; fwds plan.L
221167	4-4	NYS	Searchlight panels; fwds estim te for inc cost for redesigning.L Fwd NYS--4/10 RB 5-16 To--Change appvd.5/24 To Gen Inspr--5/24
221168	4-5	NYS	Windlass motors; est inc cost for additional feeders.L. Fwd NYS--4/11 RB 4-23 To Gehm Inspr--5/4 To NYS--Change appvd.5/4
221809	4-9	NYS	Battery charging panels; fwds plan.L To--Plans appvd with modif.4/13 NYS - fwds print 5/17 L
221975	4-11	NYS	Lighting; fwds print of summary of fixtures.L
221990	4/12	To NYS	Electrical detaching device for Franklin life buoys. Work auth. Reqt plans and est showing wiring. L NYS- fwds prints 5/3 L NYS - COLORADO & WASHINGTON ~~fwds prints 5/8 L~~ Fwd C&R--5/10 RB 5-17 Fwd C&R--5/11 RB 5-17 To NYS--Plan appvd.5/22 To NN--Plan appvd.5/26

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N.S.E. Form 134.

IDAHO: LIGHT & POWER 563 -- 5

Number.	Date.	From or To—	Subject.	
222933	4/17	To NYS	Fwds blueprints showing auxiliary lighting system for MISS & NEW MEXICO. L	
223659	4/18	NYS	Auxiliary lighting, 50 ampere, double snap, switch; request approval Cory's plan. L To--Appvs. 4/21	
224004	4-19	NYS	Storage batteries; Fwds plans. L	
224909	4/26	C&R	Searchlight platforms; fwds plsn. L To--Satis. 5/11	
225764	4/30	GE	300 kw geared turbo gensets; reports test. S&L To NYS--Fwds copies of test data. 5/4 NYS - 300 KW generating sets - request copy of test report 5/22 L	
225839	5/1	NYS	Lighting System - fwds print showing list of portable conductors. L To--Plan appvd. 5/8 NYS - fwds prints 5/24 L	
226982	5/3	NYS	Omissions of semaphore - change in cost L To--Change appvd. 5/15 To Gen Insprs--5/15	
227465	5/8	NYS	Wake light- fwds estimate change in cost for omission L To Gen Inspr--5/18 To--Change appvd. 5/18	
227466	5/5	NYS	Signalling search lights - change in cost L Fwd NYS--5/18 RB 5-23 Fwd NYS--5/24 R B 6/29 To--7/3	

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[OVER.]

IDAHO: LIGHT & POWER. 1917

Number.	Date.	From or To—	Subject.
214822	2-12	NYS	Steering gear; control leads; plan.L
wl			
214820	2-13	NYS	Alterations to power plans due to installation carpenter shop; fwds plan.L To--Reqt copy of NY letter. 2/19 NYS gives capacity of motors for carpenter shop tools 2/20
214919	2-14	Pitts	Motor generator; recommends slight variations be waived.S. To approves, with caution 2/20 Pitts motor generator; states information waiving variations from specns was sent GE Co at Fort Wayne instead of Schenectady 3/7
	To GE--Waived in this case, but will not be in future.3/15		
214854	2/16	To NYS TURRETS	Encasing elec conductors in handling rooms, mine rooms and warhead rooms. Directs be done.LN C&R copy of instructions issued 3/1
215083	2/17	To NYS	Lists lighting deck plans, and reqts blue prints of. L
215805	2-23	C&R	Searchlight; request information in connect on with platform.L GE states information shown on GE plans correct for lots under contract 241 2/26 To GE--Reqt info. 2/24
	To NYS--Fwds b/p of plans as listed.3/12 Fwd C&R--3/13		
216079	2-23	NYS	Lighting plans; fwds.L To--Plan appvd with modif.3/29 NYS request copy of letter of Mar 24, not on file 3/31
217017	3-3	NYS	Switchboard; plan of revised.L To--Plans appvd with comment.3/10 NYS switchboards; fwds rearrangement plans 3/29 To--Comments on plan. Reqt corrected copy of. 4/7 NYS - fwds contractors reply 5/23 L To--Will accept present arrgt. 5/26

N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563-5

Number.	Date.	From or To—	Subject.
217266	3-8	NYS	Auxy lighting system; plans showing location of batteries.L
217968	3-13	Bd on Changes, NYS	Omission of the night signal sets; dec cost.N
217970	3-13	ditto	Substitution of ten 12" for ten 16" fans. dec cost.N
217975	3-13	ditto	Elec work incidental to the omission of garbage extractor. Dec cost.N
217976	3-13	ditto	Omisson of signal lanterns and outlets.Dec.N Fwd Sol--Rec appvl.3/16 RB 3-23
218129	3-14	NYS	Power leads to I-C switchboard and storage batteries system; plan.L To--Plan appvd with modif. 3/22 NYS - fwds plans 5/21 L
218522	3/17 NYS - fwds plan 5/9 L	NYS	Turret power distribution panels; fwds modified plan.L To--Not satis. 3/24
219083	3-21	GE	Compensators for 300 kw gen sets; inspection report. L To NYS--Fwds test reports listed.3/24
219198	3-22	NYS	Storage batteries;pland and data list.L To--Plan appvd.3/29

NB—0120

[OVER.]

1916

IDAHO: LIGHT AND POWER.

Number.	Date.	From or To—	Subject.
209522	12/21	NYS	Arrangement of outlets for anchor stern and wake lights; fwds plans.L To--Appvs plan. 12/28
209666	12-26	NYS	Power system; alterations; plans.L
209703	12-26	NYS	Diving lanterns; contractors asks number to be supplied.L To--2 are sufficient. 1/5
209067	12/27	Fwd C&R	Location of master switches for engine rooom ventilation system. L
			1917
210374	1/3	NYS	Portable stor batteries for turret auxiliary lighting; fwds prints and specifications.L To--Appvs with comment. 1/8
210493	1-4	NYS	Turret power distribution panels; fwds Cory plans·l To--Plan appvd with comments and modif. 1/9
210855	1-7	NYS	Outlets for attachments for portable boring machines; plan.L
q11028	12-9	NYS	Distribution panels for illuminating outfit; fwds modified plan.L To--Appvs plans. 1/19

N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563-5

Number.	Date.	From or To—	Subject.
211058	1-8	NYS	Auxiliary lighting system; plan.L NYS calls attention to letted of Jan 8th 1/24 To--Fwds 3 blue prints of Contrs plan appvd with modif. 1/27
211214	1-10	NYS	Elec installation for boat crane; fwds plan.L
211889	1-18	NYS	Storage batteries for auxiliary turret turning and gun elevating motors; plan.L To--Plans appvd. 1/24 NYS contractors state Dept has ruled covers need not be furnished 2/15
212086	1-20	NYS	Battery charging panels; fwds Cory plan.L To--Plan should be modified as listed.2/5
212196	1-22	NYS	Berth light fixtures; est inc cost.L To--Change appvd. 1/29 To Gen Inspr--1/29
212442	1-24	NYS	Means of garbage extractor; est dec elec work.L To Gen Inspr--1/29 To--Change appvd. 1/29
212680	1-25	NYS	Bus feeder leads in port and stbd wiring passage; fwds print showing condition of.L
213853	2-1	NYS	Omission of signal lanterns; dec cost.L Fwd Sol--For auth. 2/14 RB2-17 To Gen Inspr--2/28
	To--Change auth. 2/28		
213857	2-1	NYS	Omission of flag lights and peak lights; ded.L To--Desires to substitute man overboard breakdown and peak-light signaling install. Reqt revised est. 2/12
	To--Fwds b/p of man overboard, breakdown and peak lights. 3/22		

NB—0120

[OVER.]

IDAHO: LIGHT & POWER. 1916

Number.	Date.	From or To—	Subject.
205742	11-16	NYS	Auxiliary power distribution panels; plan.L
205743	11-16	NYS	List of feeders and mains fwd distribution board/ plan. L To--Contrs plan should be modifi in accord with encl fwded. 11/22
205798	11-15	NYS	Generator and bus feeder leads; plans.L To--Gives modif which should be made in plan. 11/22 NYS request Bureau check computation; thinks in error 12/4 To--Bus feeders as shown in contrs plan satis to Bu. 12/7
206097	11-17	NYS	Blinker signal set; inc cost.L Fwd Dept--Rec appvl. 1/26 RB 2-7 To Gen Inspr--2/10 To-- Change appvd. 2/10
206094	11-17	NYS	Shore connections power and lighting; inc To--Change appvd. 12/6 To Gen Inspr. 12/6
206081	11-17	NYS	Night signal sets; omission; dec cost. L To--Change appvd. 12/5 To Gen Inspr--12/5
206076	11-17	NYS	Single bracket fixtures; inc cost.L To--Change appvd. 12/5 To Gen Inspr. 12/5
206443	11-21	NYS	Fwds and after dynamo distribution rooms; elec installation; fwds prints and comments.L To--Directs certain changes be made in plans and that they be resubmitted for final appvl. 12/15 NYS fwds plan 1-22 To--Plan appvd with modifications. 2/6 NYS fwds modified plan 2/9 NYS fwds corrected plans 2/23

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N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563-5

Number.	Date.	From or To—	Subject.	
207683	12-7	NYS	Elimination of Ardois signal set; lists material to be transferred to Navy Yard. L To S&A--Shipt reqt. 12/14	
207684	12-7	NYS	Auxiliary lighting system; relay for; request approval of Coty type plan.L To--Appvs. 12/12	
207790	12-6	NYS	Illuminating outfit; fwds plan.L	
207895	12-7	NYS	Summary of motors installed.L	
208213	12/8	GE	Turbine turning equipment; fwds motor test records.S To NYS--Fwds copy of test data on motors as listed for use on. 12/19	
209063	12-18	NYS	Generator bus feeder leads; diagram wiring.L 209064 12-	
209064	12-18 1	NYS	Illuminating; estimate inc cost.L To--Change appvd. 12/27 To Gen Inspr--12/27	
209300	12-19	NYS	Power system; wiring plan.L	
209257	12-20	NN	Est inc cost on account of power wiring. for carpenter shop. L	

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IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
200557	9-27	NYS	Omission 16" fans; est dec cost.L To-- Change appvd 10/4 To Gen Insp--10/4	
	9-28	To NYS.	Wake light will be omitted as change in dec cost. L	732
200773	9-30	C&R	Searchlight platform; fwds plans.L Fwd C&R--Arrgmt satis to B u. 10/5	
200989	9-30	C&R	After dynamo room; genl arrgt and foundation plan; fwds.L	
200991	9-30	C&R	Fwds dynamo room; ditto.	
200788	10/2	To NYS	Desires auxiliary lighting system be modi by combining the circuits for engine and fire rooms on one battery, this battery to be in center engine room. Reqt est.LDN NYS reqt instructions 11-3 To--Gives action on. 11/8	
201183	10-4	NYS	Shore connections; fwds plans.L To--Plans appvd with comments. 10/7 NYS fwds prints 10/19 To--Reqt modifi in thickness of connect box.10/26	
201347	10-6	NYS	Outlet for, anchor, stern and wake lights; fwds plan; necessary to change on account of arrgt flag staff.L To--Fwds 3 blue prints of drawing 9-S-Sk-2765-L to follow. 10/17	

N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563 -- 5

Number.	Date.	From or To—	Subject.
201312	10/7	To NYS	Diagram of generator and bus feeders. Reqt plans.L To--Reqt to know when plan reqted will be fwded for Bu action. 11/1
202814	10/18	NYS	Switchboard name plate marking; prints.L To--Plan appvd sub to comment. 10/23
203338	10-23	NYS	Lighting system; fwds list fixtures and appliances.L To--Include lighting fixtures for auxiliary lighting in magazines and handling rooms in list. 11/3
203508	10-25	NYS	Main switchboard; reqt action on drawings be expedited.L To--No record of plans. 10/28 NYS fwds plans with contractors and GE recommendations 10-30
203530	10-25	NYS	Illuminating outfit; distribution panels for; print.L To--Appvs with modifications. 10/30
203692	10-23	NYS	Turret power distribution panels; plan.L To--Plans disappvd. List modif requd.11/4
204453	10-27	NYS	Power system; plans.L
204664	11-6 To NYS--Comments on. 11/25 To NYS--Change has been auth.12/1 To C&R--Change auth for and MISS. 12/4	C&R	Changes due to connection after generators for use with anchor windlass.L Fwd C&R--11/13 NYS gives reasons recom disap 11-22
204878	11-7	NYS	Gen sets; field rheostats; plan.L To--Contrs plan appvd.11/13
205068	11-8	NYS	Shore connection boxes; plan. D

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IDAHO: LIGHT AND POWER.

1918

Number.	Date.	From or To—	Subject.
195040	7/28	NYS	Lighting arrangement of berth lights in sick bay; fwds plan.L To--Directs berth lights in sick bay be omitted and hooded non water-tight portables be added. 8/2
195523	8/2	NYS	Lighting system; fwds plans.L To appd subject to comment 8/28 NYS recommendations for exterior lights 9-27 To--Gives location of. 10/16
196326	8/11	NYS	Request plans of magazine fixtures.L TO -- instructions 819
196348	8/8 To NYS--Method appvd. 10/3	NYS	Switchboards; fwds plans; list of feeders for, etc.L To - appvd. with comments 8-21 NYS method of connection standing light circuit 9-27
196267	8-12	To NYS.	Reqt plan of illuminating set. L NYS fwds plan 8-18
197494	8-23	NYS	Storagebatteries charging station; plan. L
197919	8-28	NYS	Searchlights; asks if Govt has purchased; reqt plans.L To--Submits plans of.9/20
198053	8-30	NYS	Berth deck light in sick bay/ plan.L
198441	9/5	NYS	Night signal sets already delivered.L To--Reqt lists of material.9/14

N.S.E. Form 134.

IDAHO: LIGHT AND POWER. 563 -- 5

Number.	Date.	From or To—	Subject.	
198482	8/30	NYS	Shore connections; fwds plan.L To-- Appvs with modi. 9/12	
199225	9-13	NYS	Anchor and running lights; outlets for; plan. L	
199227	9-13	NYS	Anchor, stern, wake lights; outlets for p Fwds plan. L To--Arrangement of outlets on outside not desired. 9/19	
199496	9-19 To--Contrs plans appvd with comment. 11/3	To NYS.	Anchor windlass motors; reqt estimates to install feeders and switch panels to supply current to generators to windlass motors. L-I To--Reqt modifications. 10/19 NYSswitchboard; modi plan wth contractors and inspctors comments 10-20	
200224	9-19	NYS	Name plate markings; for switchboards/Plan.L To--Appvd subject to modifications. 9/27	
200307	9-22	NYS	Power system; plan.L	
200005	9/22	To Dept Via S&A	High power searchlights for; Bu has reqtd competition be waived and order placed with GE Co. L	708
200338	9-20	NYS	Auxiliary power distribution board; plan.L	
200556	9-27	NYS	Bracket fans; est inc cost for changes.L To-- Change appvd.10/4 To Gen Insp--10/4	

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IDAHO: LIGHT & POWER. 1916

Number.	Date.	From or To—	Subject.
190016	6-1	NYS	Location of lights in shell, projectile and handling rooms.L.
189581	6-10	To NYS.	Directs no orders for turret auziliary lighting batters be placed pending receipt further information. L-S NYS reqt decision be expedited 10-10 To--Fwds blue print of advance sheet No. 40. 10/18
190587	6-10	NYS	Hand rail around generators; plans.L To--Satis to Bu. 6/17
190917	6-13	Cory & Sons	Battery charging panel; tracings.L To--Action withheld pending Dept's decision 6/20 To--Retns plans for modi. 10/19 To NYS--Instrns re install. 12/18 To NYS has not appvd 1-12
	To NYS--Ask when plans showing details of install of stor bat will be fwded.10/18/17		
191287	6-20	NYS	Generator and buss feeder leads; plans.L
191308	6-22	To NYS.	Type plan regular and auxiliary lighting in turrets; fwds print of. L
191881	6-28	To NYS.	Specfns for electric plant; change 2 voltmeter motor-generating sets, type A, to read 2 direct reading ohmmeters. L

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IDAHO: LIGHT & POWER. 563-5

Number.	Date.	From or To—	Subject.	
192144	6-29	NYS	Relative to provisions for stowing spare lamps.L To— Appvs arrangement recommended. 7/6	
193000	7-6	NYS	Illuminating outfit; plan.L	
193891	7/18	NYS	Recommends that representative of inspector's office be detailed to witnesstest of new design of gen sets conducted by the Gen Elec Co; recommends sending elec draftsman E. S. Frost.L	
194050	7-24	To NYS.	Type plan, regular and auxiliary lighting in turrets; fwds modified plan of L	
194513	7/25	NYS	Distributiobn panels for power system; fwds plans showing changes in size of feeders.L To— Appvs with modi. 7/27	
194807	7/26	GE	Switchboards; fwds prints for approval	562-5
194985	7/28	NYS	After dynamo room; inspector recommends contractors provide operating gear for valves without additional cost.DR (Cross to 20) To—Not considered necessary to fit the stop valves in question with gear. 8/2	

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IDAHO: LIGHT & POWER.

1916

Number.	Date.	From or To—	Subject.
185237	4-19	C&R	Night signal set; request definite decision relative to location.L Retd--Gives location. 4/21 To NYS--Ditto. 4/21
185468	4-14	C&R	Arrgt of searchlight platforms on and cage mast.L To--Arrangement satis. 4/24
185423	4-24	To NYS.	Electric heaters proposed for torpedo romm to after torpedo air compressor motor will not be installed; change dec cost. L
185879	4-28	To NYS.	Illuminating outfit; directs energize from shore connection lead to save wire and eliminate the illuminating set switch.L
186373	4-28	C&R	Searchlights; stowage; fwds plan.L
186912	5-5	NYS	Turret lighting; request plans be expedited.L To-- Action pending report of Turret Board. 5/17
187559 VOID	5-5	Hyde Windlass Co	Fire room hoists; request approval of use Hyde bronze in lieu of comp G DR
187561	5-10	GE	Gen sets; fwds test sheets.L To-- Ack receipt of. 5/18 To NYS-- Fwds test sheets. 5/18

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IDAHO: LIGHT & POWER. 563-5

Number.	Date.	From or To—	Subject.
187877	5-13	Navgn	Gyro compass and fire control system; copy of endorsement to Ord commenting on arrgt.L
188098	5-18	To NYS.	Switchboard: directs plans for generator panels be developed in accordance with Bu sketch 40-B-SK-2700. L
188693	5-19	C&R	Size and arrgt of searchlight platforms; rails and working spaces; contractors request information.L Fwd C&R 5/27
189438	5-29	NYS	Searchlights; request description of.L To--Not yet purchased. 6/3
189129	5-29	TO NYS	Battery charging panel; fwds print To-- Fwds drawings of. 6/6
189548	5-26	NYS	After dynamo room; arrgt plan; fwds. LDR To-- Appvs with modi. 6/8
189619	6-1	NYS	Contractors request authority to add new power feeder for ice cream freezer. L To--Disappvs. 6/5
189950	6-5	NYS	Lighting system; outlets for anchor, stern, and wake lights.L Plans. To-- Appvs. 6/7

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IDAHO: LIGHT & POWER. 1916

Number.	Date.	From or To—	Subject.
182175	3-20	NYS	Berth light fixtures; type of socket for; fwds sample.L To--Returns, comments on. 3/25
182228	321	NY	Shore connection leads for switchboard.L To NYS--Instructions. 3/24
182471	3-23	To NYS.	New type of magazine fixture now being developed; reqt contr's not place their order for magazine fixtures until new type is developed. L NYS recommends retaining present type fixtures on 3-31 To--Appvs retaining. 4/11
182580	3-16	NYS	Turbo generators; fwds detailed plans.L To--Appvs subject to operation. 4/1
182510	3-24	To NYS.	Battery charging panel; fwds prints showing changes in. L
183236	3-29	NYS	Power wiring system; fwds 24 plans.L To--Proposed method of dividing neutral inter-connecting bus feeders appvd. 4/1
183346	3-31	NYS	Asks what feeders are to be used for supplying current to fixtures in 5" magazines.L To--Instructions. 4/11

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IDAHO: LIGHT AND POWER SYSTEMS. 563 -- 5

Number.	Date.	From or To—	Subject.	
184027	4/7	NYS	Screen speed light; reqt print.L To--Drawing number in error; correct number 26156-G (alt.3). 4/13	
184085	4/5	C&R	Forward battery charging station; fwds plans.L To--Will be necessaey to rearrange shelving.4/13 To NYS--Lists shelving to be provied for.4/14 NYS discrepancies in dimensions 4/27 To NYS-- Appvs instrns issued. 5/1	
184063	4/7	C&R	Combined sterilizers and containers; recommendations relative to	529-5
184368	4-12	To NYS.	Electric sterilizers; auth incidential work under SE in connection with. L	
184127	4-13	To NYS.	Switchboard; fwds prints showing omission of searchlight rheostat handles from panels and addition of panel of a shore connection switch. L	
184736	4/14	NYS	Switchboard; relative to location.L To--Comments on; refers to 184127-563-5. 4/17	
185205	4-19	NYS	Illuminating outfit; fwds plans.L To-- Appvs with modi. 5/1	
184853 VOID	4/18	To Locke Insulator Co	Asks if the two cage radio insulators submitted as a sample in connectionwith SE requisition #46 are designed for electrical and mechanical strength specified in reqn	911

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IDAHO: LIGHT & POWER. 1916

Number.	Date.	From or To—	Subject.	
177860	2-1	C&R	Battery charging panel; fwds plan and comments.L Retd--Satis. 2/8	
178080	2-3	NYS	Type of outlets for sterilizer; have approved Coty Plan. L To-- Appvs. 2/7	
178164	2/4	C&R	Battery charging panel.L To NYS--Gives Bu's action on to C&R. 2/8 Fwd C&R-- Noted. 2/23	
178527	2-8	C&R	Elec steering gear will duplicate MISS; gives description of motor generator required.L	
178671	2-4	NYS	Location of lights in shell and handling rooms; fwds plans. L To--Appvs with modi. 2/14	
178772	2-10	C&R	Searchlight stowage; fwds plan.L Retd--Plans satis. 2/17	
179031	2-11	NYS	Lighting system; joiner plans; L To--Ack receipt of. 2/15	
179019	2-12	NYS	Switchboards; fwds plans and comments.L To--Appvs with comment. 2/18	
179462	2-19	To NYS.	Switchboard; fwds print showing redesign of seachlight panels; recd estimates covering change in cost. L	

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INDAHO: LIGHT & POWER: 563-5

Number.	Date.	From or To—	Subject.	
180356	2-29	NYS	Lighting system; comments on plans.L	
180824	3-4	NYS	Portable ventilating sets; request approval Sturtevant Co drawing inlets for.L To--App vs. 3/9	
180926	3-6	NYS	Dynamo rooms; location of hot well tank; resubmit tracing. L To-- Appvs. 3/11	
180699	3-7	To NYS.	Generator leads; rect plans showing generator leads and bus feeders be prepared for appvl by Bu. L NYS generator leads 3-15 To--Wires will be 400,000 c.m. instead of 500,000 c.m. 3/18	
181192	3-9	NYS	Contradictory instructions re storage batteries for auxiliary lighting.L To--Instructions. 3/13	
181298	3-10	C&R	After battery charging station; relative to location of. L Retd--Location satis. 3/13	
181509	3-15	To NYS.	Illuminating set, advance sheet #36; fwds.	L
182123	3-20	NYS	Battery charging and auxiliary lighting; apparent error in instruction relative to number of trays/etc L To--Voltage inc from 20 to 25 volts.3/27	
NYS calls attention to variation in instructions 3-28 To NYS--Will be 42.4/1				
181776	3-20	To Insp t. NYS	Aux. lighting system - fwds. type plans L	

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IDAHO: LIGHT & POWER.

1915

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Number.	Date.	From or To—	Subject.	
169496	10- 26	NYS	Dynamo room; arrgt and details; fwds plan and comments. LDR To-- Appvs with modi' 11/8	
169787	10/29	To C&R	Illuminating set; fwds plan showing modifications in	554-5
170211	11-3	NYS	Stowage of searchlights.L Reqt action 11-24 To--Fwds print of.11/30	
170970:	11-11	NYS	Compensators for gen set.L	
171131	11-12	C&R	Storage battery charging station; contractors request number of batteries to be installed.L Retd--Lists material to be installed.11/16 To NYS-- Fwds copy above. 11/16	
172603	11-30	NYS	Gen sets; compensators for.L	
172829	12-2 To--Gives interpretation.12/27	NYS	Single bracket fxiture; relative to installation indivual ~~fixtures;~~ switches.L To--Auth be accepted and turned over to vessel for survey. 12/10 NYSAsks if interpretation correct. 12/21	
173292	12-7	NYS	Gen set; list of spare parts; fwds.L	
173500 VOID	12-8	C&R	Dynamo rooms; arrgt plans. L	
173791	12/13	NYS	Stowage ofsearchlights; fwds contractors' comments relative to.L TO C&R inc copy 12-15 Rtd NN 12-15 TO NYS instructions 12-15	

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IDAHO: LIGHT AND POWER. 563 -- 5

Number.	Date.	From or To—	Subject.	
173797	12/13	NYS	Fwds contractors' reqt for sketch showing lighting in turrets. L To--Will be fwd shortly. 12/20	
173963	12-14	NYS	Reqt authority to use 4 way branch boxes on lighting system. L To--Appvs. 12/18	
174808	12/27	NYS	Berth lights; fwds prints. L To-- Appvs. 12/29	
			1916	
175582	1-5	NYS	Power wiring plants; fwds with comments. L To--Appvs with comment. 1/15	
175912	1-10	NYS	Arrgt of terminals for gen set; modified plan. L NYS lists plans not on file 6-28 To NYS--Appvs plans with comment. 3/6	
176431	1-14	NYS To--2/11 To--2/29 To NYS--Reqt plans joiner. 2/2	Lighting system; fwds 50 plans. L To--Action withheld. 1/22 NYS re delay 2-14	
176695	1/20	To Dept via C&R	Recommends installation of an after storage battery charging ~~sys~~ station	554-5
177700	1-31	NYS	Contractors asks type of elec side lamps to be used. L To--Gives type desired. 2/7	
177820	21-1	NUS	GE Co request holding up of night signal set be released and that they be allowed to complete and ship. L To--Authorized. 2/5	
177821	2-1	NYS	Battery charging panel; reqt plan covering. L To--Will not be ready for several weeks. 2/3	

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IDAHO: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
163377	8-13	NYS	Blinker light controllers; acontractors state should not be required to furnish drawings. L To--8/17	
163414	8-14	C&R	Stowage of searchlights.L Retd--Fwds print of. 9/1	
163623	8/17	NYS	Night signal sets; reqt approval of standard drawings for.L To -- appvd 8-21	
163957	8-20	NYS	Auxiliary power distribution panels; fwds plans and specns.L To 8/27	
164377	8-26	NYS	Gen sets; fwds print showing arrgt of terminals; recommends approval of 400 CM in lieu of 500 cm cable.L To--Appvs.9/2	
165183	9-7	To NYS.	Type plan of switchboards; fwds. L	
165368	9-8	NYS	Candle sticks for officers quarters; fwds BB&B pencil sketch; suggests substitution of china for celluloid.L To-- Appvs with comment.9/13	
165296	9-7	GE	MISS ; gen sets; means of supplying oil to bearings	562-5
166165	9-18	C&R	Stowage of searchlights.L Retd-- Comments on.9/24	
166266	9/20	Insp Phila	Berth light fixtures; have transferred inspection to Pittsburgh district. S	

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IDAHO: LIGHT & POWER. 563-5

Number.	Date.	From or To—	Subject.
166640	9/24	NYS	Arrgt and control of anchor and running lights; contrs. reqt plans. L To-- Fwds plans. 9/28
166922	9/29 NYS--Reqt action.11/6 To--Appvs 11/6	NYS	Fwds sample of proposed oxidized copper finish for ceiling fixtures. L To--Disappvs type of. 10/1 NYS fwds samp finish 10-21
167248	10/1	NYS	Illuminating set; fwds plans.L To--Reqt copy plan 160-620-A-9. 10/9 NYS Reqt action 10/23 To-- Fwds plans of illuminating set.10/29
167158	10-2	To NYS.	Auth installation of shore connection for supplying current to ships' lighting and power system from an outside source. L To--Directso modification in above.4/13
167418	10-4	NYS	Compensators for gen sets; fwds specns, prints,etc.L To--Appvs with comment· 10/7
167929	10-5	C&R	Dynamo room; genl arrgt; foundations;plan.
167926	10-5	C&R	Genl arrgt and foundations after dynamo room; fwds plan. Retd-- Appvs.10/14 To NYS-- Fwds copy above·10/14
168113	10-12	NYS	Switchboards; reqt plan showing wire connections.L To--NY reqtd to fwd. 10/14 To NY-- 10/14
168281	10-13	NYS	Illuminating set; fwds plan.L
168995	10-22	To NYS.	Switches for bracket fixtures;change to appvd type as furnished with "berth lights"L

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IDAHO: LIGHT & POWER. 1915

Number.	Date.	From or To—	Subject.	
155065	5-1 5-10	NYS C&R	Arrgt of fwd dynamo room and foundations for dynamos; fwds print.L Fwd C&R--Appvs with comment. 5/19	
155595	5-21	To NYS.	Lighting system; fwds type plans of. L	
156681	6-1 To NYS-- 6/18	C&R	After dynamo room; fwds arrgt plan.L To NYS--Reqt inspectors comment on.6/5 NYS after dynamo room 6-7 Fwd C&R--Comments on. 6/18	
156560	6-5	To NYS.	Turret Power; authorizes change in power wiring for. L	
157174	6-2 6-8	NYS C&R	After dynamo room; arrgt of foundations.L Fwd C&R-- See 156681-563-5. 6/18	
158185	6-17	NYS	Portable ventilating set; fwds specns and list of spares.L To--Appvs subject to operation.6/22	
158454	6-19	NYS	Reqt approval Cory plan for distribution panel for lighting system. L To--Appvs. 6/28	
158833	6/24	To C&R	After dynamo trunk; change in location of	554-5
158960	6-25	NYS	Type plan switchboard; reqt.L To--Now being prepared. 6/29	
160004	7-9	To NYS.	Main switchboards; fwds prints showing arrangement of. L	

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563 -- 5 IDAHO: LIGHT & POWER:

Number.	Date.	From or To—	Subject.	
160649	7-15	To GE.	Generating sets for; asks place of manuf.L GE 300 kw at Schnectady, I-C at Fort Wayne 7-17	
160915	7-17	Sturtevant, B.F.Co.	Portable ventilating sets; relative to furnishing vandyke prints and installing iron reducers over intakes. L To--Fwds plan of. 7/21	
160900	7-17	NYS	Gen sets; fwds plans and descriptions.L To--Appvs with modi· 7/22	
160919	7-17	GE	Gen sets; wate rate test	562-5
161240	7-21	NYS 1089-2912	Storage batteries for auxiliary lighting in turrets.L To--Desire each turret consist of one 5-cell tray of type B-6-H cells. 7/30	
161421	7-23	NYS	Searchlights; reqt detailed prints.L Tp-- Gives dimensions. 7/28	
162284	7/29	NYS	Portable ventilating set, fwds print.L	
162333	8/2	NYS	Fwd dynamo room; genl arrgt of.L	
162377	7/28	C&R	Stowage of searchlight trunks on third deck; fwds prints.L Retd-- Comments on.8/7 To NYS-- Fwds copy above ened.8/7	
163272	8-12	NYS	Berth lights; contractors reqt type.L To 8/17	
163292	8-12	C&R	Fwds dynamo rooms; and foundations of dynamos; fwds plan.L Fwd C&R 8-18	

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IDAHO: LIGHT & POWER.

1914

Number.	Date.	From or To—		Subject.	
138047	10-27	NYS	1672-2016	Reqt specns covering 3-wire gen sets.L To-- Gives information. 10/29	
141688	12-9	NYS		Night signal sets; asks ff necessary to supply drawings for.L. NYS reqt action 12-29 To--Instructions. 12/29	
142807	12-22	NYS	1960	Bracket fans; reqt approval of certain type.L To--Instructions. 12/29	

1915

143944	1/8	NYS		Reqt type plan of light, power and I-C sys	563-3
144603	1/15	To C&R		Reqt contract plans for use in connection with preparation of type lighting and power systems	554-5
145173	1-21	NYS	101-2013	Bracket foundations; protests against furnishing except under specns in force Aug 1, 1914. L. To--Instructions 1/29	
146100	1/30	C&R		Fwds deck plans for use location of lights	554-5
148786	3-4	GE Co. T		Gen set; reqt appt for Mch 6 or 8. L To--(T) Convenient to see. 3/4	
149103	3/5	G E Co		Gen set;fwds outling plans, specns, etc	562-5

N.S.E. Form 134.

IDAHO: LIGHT & POWER. 563 -- 5

Number.	Date.	From or To—	Subject.	
149425	3-11	NYS	Anchor windlass equipment; comments in connection with providing switches on forward distribution board.L To-- Comments on· 4/12	
150115	3/18	GE	Gen set; fwds plans	562-5
150224	3/20	GE	& MISSISSIPPI; fwds instruction book and prints; gen set; comments on lub system	562-5
151006	3-30	C&R	Elec equipment for anchor windlass; reqt be propided. L	
152371	4-14	NYS	Anchor windlass equipment;re provision for on switch-board. To-- Gives arrangement of· 4/21	
152860	4/21	To C&R	Power wiring system; type plans; fwds for comment	554-5
153711	5-3	To NYS.	Plans of power system; fwds prints of.L	
154270	5-6	NYS 1336-3904	Dynamo room; genl arrgt.L	
154752	5-10	C&R	Fwd dunamo room; genl arrgt plans.L. Retd-- See 155065-563-5. 5/19	
154686	5-12	To NYS.	Illuminating set; fwds print of· L	
151726	5/12	Dept	Method of striking down searchlights or searchlight stowage, approval of	562-5

NB—0120

[OVER.]

IDAHO RADIO 1922

Number.	Date.	From or To—	Subject.	
645990	10/13	Pug.Sd.	Gives name plate data on radio receiving equipt. W.	
654056	12/11	CO IDAHO To CO- Fwds prints 12/22	Rqsts prints listed be furnished W	
654981	12/20 12/22	Pacific Battleship Div. Battle Fleet	And TENNESSEE. Report on inspection of radio work W	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

563-6
IDAHO RADIO

1921

13

Number.	Date.	From or To—	Subject.
543513	1/31/21	To S&A	Reqst shipmt of volt loud buzzer from NY to Pug Snd 6128 W. RB 4/6 W.
550086	3/9	To Pug Snd	Instln of radio equipment ; Gives instrns W Pug Sd-submits nameplate data-4;14-W To Pug Snd 4/25 Pug Sd-fwds magnetization curve for DC gen-5;14 To Pug Snd (T) Gives inform 5/20 Pug Sd-T-gives voltage-5;25-W To Pug Snd- cc CO 6/4 Pug Sd-fwds prints showing arrangement of model TC equipment-7;29-W
551217	3/17	To S&A	Reqst shipmt of receiver from Washn to Pug Sound 6661 W RB-6;1-W
553244	3;23	CO T	Request Pug Sd issue audion control panel from stock.W To Pug Snd Auth 3/26
		1922	
602969	1/3	MI (T)	Request immediate shipt of one Dubilier condenser. W. To S&A Reqst shipmt of Condenser from Phila To CO 9470 1/5/22 RB 4/27/22 W

4—3381

N. Eng. 134
563-6

Number.	Date.	From or To—	Subject.	
631335	6/16	CO	Request change in housing of aux antenna W	
631338 6	6/9	CO	Change mesh trunk around antenna W To USS IDAHO Via C&R- Alteration of. 7/21 W C&R- copy action to CO 8/1 W C&R 9/8 Fwds letter from CO rel to alterations necessary W C&R 9/8 Copy of action to Dept W	
637836	8/10	Pacf.fleet	Fwds correspondence rel to alteration to auxiliary antenna trunk. W. Fwds Dept via C&R 8/25 RB 9/25 W C&R 9/23 Copy of action to Pug Sd W Fwds C-I-C Pac Fleet Via Pug Snd cd CO Comdr Battleship Squad 4- C&R 9/28 RB 10/26 W Pug Snd- 10/16 Estimate covering new auxiliary antenna trunk W To Pug Snd- Arrangement appvd 11/2 Pug Snd 12/1 W	
642694	9/18	CO	Request condenser & vacum tubes be furnished W To S&A Reqst shipment of condenser from Phila to CO 1171 9/30 To CO - gives action taken 10/3 Pac Fleet 10/25 Recommendation cov allowance of spare parts for auxiliary set W	

4—3382

[OVER.]

IDAHO: RADIO: 1919

Number.	Date.	From or To—	Subject.
453210	10-24	To S&A	Reqt shipment spark gap units from F.S.B. to CO. W
437615	11-19	SEE CARD 11 RB 1/28 To Comdt Wash- Fwds correspondence for comment and recommendations. 12-31 To Weston Elec Co- Matter being investigated. 12-31 To Wash - 2/3- W To Weston Elec. Co - have advised Wash Id not necessary to have thermo couples shipped to factory -2/3-W Weston Elec Ins Co-2;12 NY - 6/2-W SEE OVER	To Weston Elec Instr. Co-Thermo couplings on board ship and in good condition. Advise if necessary to ship to your Co and shipment instructions will be issued. W Weston Elec Instruments Co - submits quotation covering repairs on thermo ameters - 11/20-W Weston Elec Instrument Co-ask if reqn has been made covering repairs-12;6 Weston Elec Instr Co-12;22 NY-2;20
464483	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Battle radio room and interfleet radio room installations-fwds estimated increase in cost.D
464484	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	installation of radio ~~inst~~ telephone set in interfleet station-fwds estimated increase in cost.D
464485	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-12;31	Installation of battle and auxiliary radio apparatus-fwds estimated increase in cost.D
464515	12;15	Inspr NYS	Changes in radio installation by omission of superstructure deck radio station-fwds estimated decrease in cost.D

N. S. E. Form 134.

563-6: IDAHO: RADIO:

Number.	Date.	From or To—	Subject.	
466166	12;29	Inspr NYS	Plans of rigging for wireless installation-Pug Sd requests be furnished with.W	
437615	6-5	SEE OVER	To SO Brook Fwds copies of I..M. Let 6/2/20 W.	
511121	8;6	CO	Request be placed on mailing list for monthly radio report.W To CO. fwds 8/17	
524575	10;12 10;15	CO Pac Flt	Request officers be allowed to subscribe for engineering monthly radio report.W To Pac Fleet Gives inform re reports 11-18	
533866	12;9	Pug Sd T	Ask if extensive radio alterations contemplated will be undertaken during overhaul.W To Pug Snd (T) Gives detld inform 12-13 Pug Sd-1;21-W 1921	
540741	1/18	To S&A	Pug Snd 5966 W. Reqst Shipmt of tel eqpt from Washn to Pug Sd-T-request shipment of material accompanied by priced invoices-2;8-W fwd S&A 2-1 ORB 3-3	
535896	12/4 12/17	CO IDAHO Navigation	Request publications, listed be furn for radio classes. W	876

4—3281

[OVER.]

IDAHO: RADIO: 1919

Number.	Date.	From or To—	Subject.
416428	5-10	To D.N.C.	Reqts for standard plans or requirements for communications office or desk on board each class of ship. W R B 6/6
66 418186 66	5-12	Inspr NYS	Nec modifications to Power System due to changes in radio sta- Submits estimate - W-L To-Change appvd and referred to Bd Changes. 5-19
418130	5-14	To Comdt Wash	Repair of defective elec material from IDAHO- Reqts make repiars of material listed and returned to vessel as soon as possible. W
419493	5-17	Inspr N.Y. Ship	Installation of radio telephone sets in interfleet station. Estimate of increased cost W Inspr NYS 6-16 Fwd Solicitor. 6-26 RB 7;1 To Inspr NYS- Change appvd and fwdd to Bd changes. 7-7
420490	5-20	Inspr N.Y. Ship	Battle radio room and interfleet radio room installtns fwds estimates of increased cost. W Inspr NYS 6-17- Rqst action
Fwd Solicitor. 6-26 RB 7;1			
4 420591	5-16	Inspr N.Y. Ship	Battle and Aux radio installations on. Submits estimates of increased cost.W Inspr NYS 6-17 Rqst action
Fwd Solicitor. 6-26 RB 7.1 To Inspr NYS- Change appvd and referred to Board on changes. 7-9			

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N. S. E. Form 134.

563 - 6 IDAHO: RADIO 1919

Number.	Date.	From or To—	Subject.
424349	6-12	To I.M. Ny (T)	Return type CV 1484 radio frequency meters thermo element and leads from IDAHO to Weston for repairs letter follows. 6-12
			o I.M. Ny- Reqts shipt of frequency ammeters ~~xxxxxxxx~~ to Elec Instrument Co for repair. 6-17
			To Comdt Wash- Reqts shipt of defective thermo elements to Weston Elec Co for repairs. 6-18
425481	6-17	To NY (T)	Issue to IDAHO 12 lowenstein tubular 10 kw quenched gap units from TENNESSEE set in store. These will be replaced latter. W
			NY (T) gives invoice on which material will be delivered to vessel - 6/18
			NY (T) reqst disregard NY telegram of the 18th - W 6/19
428046	6-25	To S&A	Reqt shipt frequency ammeters. from Wash to CO. W
430374	7/5	CO (T)	Rqst issue radio receivers for use on Southern trip. W.
434119	7/15	Atl Battleship Div 5	& IDAHO Recommends compass and arc sets be removed and a skeleton tower substituted in connection with radio installation. W: 205
437615	8-8	To I.M. Ny	Repair of radiation ammeters. To be returned to Wash yd for stock upon completion of repairs. W
			N Y 8-15
			N Y 10-21 rqst action
			Weston Elec Instrument Co 10-24 Asks if thermo couples were recd- W

To Weston Elec Co- shipment of meters being taken up with Ny and will advise upon receipt of information 11-3
copy to I.M. Ny- To Ny. SEE CARD ~~12~~ 12
NY - 11/8

4—3381

[OVER.]

IDAHO RADIO

Number.	Date.	From or To—	Subject.	
406866	3;27	Phila	Confirms tel. conv. in connection with shipment of matl sets for installation on W	
408055	4/4	CO T 635-4	Request radio draftsman Trogner be ordered to ship to lay out work - also supply necessary information and prints - W	
408458	4;2	Ins. NYS	Extension cables for radio telephone sets fwds prts D To Inspr NYS- Approves drawing covg 4/8	
408635	4/7	To Washn	Re modifications of standard battleship receiver, reqst assemble Models E F G receivers, reqst addtl equip be mfg for IDAHO- W.	876
409432	4-9	To USS IDAHO (T)	Expenditure $500. auth for installn radio app on - W	
		IDAHO (T) - Reqts amount represented by April invoices. 9-16	CO-states April money not used-reqt authority to expend 1st quarter 1919. 9;12	
409608	4-10	To Ind Mgr NY (T)	Auth issue nec small matrl in conn w installn radio apparatus- W	
410396	4/12	To CO (T)	Auth transfer 6 radio storage batteries type CU 119 to IDAHO. prior her sailing in accordance with telephone conversation with radio officer. W.	554-6

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N.S.E. Form 134.

IDAHO RADIO

Number.	Date.	From or To—	Subject.	
410926	4-15	CO	Reqst Washn modify design of detectors before mfg. W	898
411243	4-17	To S&A	Reqt shipt radio storage batteriesfrom Wash to CO. W	
411247	4-18	To S&A	Reqt shipt frequency ammeter from Wash to CO. W	
410918	4-18	CO	Report of working of relay calls attention to errors in drawing of double booth W	
413231	4-26	CO	Tele. Work completed W To(T)- When will radio work be completed so that Radio aide Geo. Clark can return Washington. Services urgently required. 4-24	

4—3381

[OVER.]

Number.	Date.	From or To—	Subject.
395105	2;12	Phila	Confirmation telephone conv. Wash. Yd. relative to shipment of radio receivers.
395155	2-17	To S&A	Req shipt receivers from Wash to NYS. W
397963	2-27	To Inspr NYS (T)	Necessary work in connectionmoving voice tube panel and mounting motor buzzer in radio room appvd. W
398493	2;26	Ins. NYS	Fwds table ind.curculating in re; radio matl. for installation by contr. W To- Retention on board of excess radio items is appvd. 3-6
398355	2;27	Ins. NYS	Fwds contr. let. submitting list of insulators recd. during Jan and Feb. W
397970	2-28	To S&A	Reqt shipt four audion ~~xxxx~~ battery charging panels from Wash to NYS. W

N.S.E. Form 134.

1919

563 - 6 IDAHO; RADIO

Number.	Date.	From or To—	Subject.
400652	3-8	To Inspr NYS (T)	Four audion charging panels expressed ~~from~~ March 3rd. W
401391	3;10	Phila	Confirms telephone conv. in connection with ~~radio~~ shipment of radio matl from NY to Phila for W
402990	3;15	Phila	Tel. list matl. required by expert radio ; add trouner issued to W Phila (T) receiver installation will be completed 3;17 -- 3;15 W
403056	3-17	To Comdt Phila	Installation of new type receiving apparatus. W
403687	3-19 4;7	To S&A Ins. NYS	Reqt shipt antenna break key from Wash to CO. W
406421	3/27	Phila	Confirms telephone conversation relative to shipment of 126 meter sets - W

4—3381

[OVER.]

IDAHO: RADIO

Number.	Date.	From or To—	Subject.
387540	1/20	NYS	Copy of letter to Phila relative to size of insulators to be furnished - W
387505	1/21	NYS	Request allowance lists be amended to include one buzzer instrn set - W
To S.O. Phila- apparatus. 3-17		Reqts acknow rec't of	To S&A- Reqt shipt radio buzzer trans set. from Wash to Phila. 1-29 RB 4-9 Phila - 3/21
387506	1/21	NYS	Request Bu authorize shipment from Phila of wire rope for radio antenna - W
387512	1;17	Ins. NYS	Req. instructions covering return of 20 large insulators Western Elec. Co. W To- Amended shipt order has been prepared. 1-25
9 387188	1-24	To S&A	Reqt shipt aux radio trans set from Boston to Chasn. W
To Chasn- Broken instrument should be sent to Phila 3;2		To- Reqts shipt one radio frequency ammeter frp Boston to Chasn. 2-12 yd for survey. 2-15 copy Chas.Sh. Ord. 2-12 RB 3;10	Chasn - Replacement of radio frequency meters. 2/6 to CP and 6th Dist. 2-15
388453	1/23	Phila	Confirms telephone conversation in connection with drawing calling for additional wire rope for antenna - W
387764	1-28	To S&A	Reqt shiptvarious articles radio from Wash to CO MASSACHUSSETTS. To- Reqts cancell above. 3-13 S&A - 3/24

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N.S.E. Form 134.

IDAHO: RADIO

1919

Number.	Date.	From or To—	Subject.
390493	1;29 1;30	CO COM	Req. ship be suppled with Western Elec. CO pamphlets entitled " Descriptions and Instructions' for operating radio telephones . -o NYS- Fwd booklets for operations of short range radio telephone set. 2-5
390378	1;28	Phila	Confirms telephone conv. stating contractors ask if Bur. will fwd. plans covering radio installation on W
390516	2-1	To S&A	Reqt shipt Interfleet radio key from Wash to Phila. W RB 2;19;19
392188	2;5	Ins. NYS 21	Recommends spare parts listed be added allowance list W
391901	2-6	To S&A	Reqt shipt radio material from Wash to Phila. W To- Gives additional material to be included in aobve reqt. 2-13 To - Gives amendments to shipment order of Feb. 6th Desired. 11-17 Report shipment order 9-5-18 mailed to Supply Officer instead of Insp. mach. covering radio telegraph W
		To S&A-Reqt shiptorder of 2-6th. be cancelled. 3-17	
394849	2;12	NYS	

563- 6
IDAHO: RADIO 1918 5

Number.	Date.	From or To--	Subject.
370420	11;18	Phila	Confirms tel. conv. regarding entering ~~xxxx~~ insulators for sets on W
370500	11-19	Inspr. NYShip	Radio antennae - contractors prepare rigging - Navy Yard to install W Two letters To---- Instruct. for installation of antennas. 12/3
		fwd S&A 12/31	
372623	11;26 12;19	NY ship S&A	installation of radio apparatus contractors give list of mat'l. required W To S&A, rqst shipmt radio apparatus NY to CO, 12-5
	To- Amendment made to cover discrepancies. 12-21		To Inspr NYS, re insulators, 12-7
	To S&A-Reqt shipt order of 12-5 be amended to read 6 connectors. 12-21		Inspr. NYShip, Dec. 9 To Sc. Brook-Adm to mfg fittings. not instock. 1-29
	Flt. Sup. Base 1:24;19		NY - 11/17
372608	11;26	Phila	Req drawing of radio inter fleet station W To--, fwds plans re radio telegraph, 12-2
377195	12-11	Inspr. NY Ship	Aks if rotary copy will be furnished in ~~for~~ use in connection with installation of radio apparatus for battle radio station W To-12-18 & Phila.
75			
357195	12-18 2;14	To NYS- NYS	Radio apparatus- Gives instructions re installations. W

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N.S.E. Form 134.

563- 6 IDAHO: RADIO

Number.	Date.	From or To—	Subject.	
377354	12;13	Phila	Confirms tel. conv. asking if ship will be rec buzzer transmitters before leaving for trial trip W	
378780	12;17	Phila	Confirms tel. conv. stating will have break keys by Jan 15, W	
345186		FROM CARD 5	Inspr. NY Ship Dec. 20 Phila. Dec. 21 - confirms telephone con versation To Inspr NYS- gives location 1/6/19 NYS req. additional information 2;14;19	 W W
381195	12;24	Phila	Radio instalation fwds prints W	
386473	1;17	Ins. NYS	Copy of letter to Phila. listing additional insulators for rigging which will be required W T S&A-Reqt shipt66 small strain insulators from Phila to NYS. 1-25	

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[OVER.]

IDAHO: RADIO

1918

Number.	Date.	From or To—	Subject.
354601	9/30	C&R	Method of fitting porcelain insulator to rigging - fwds prints - W
345186	10/2	New York Ship	NYS - details of elec. installation on bridge - fwds prints.
NY ship asks if plans of buzzer system is completed 11:27 W			New York Ship Nov. 2
To Inspr Camden, Comments re Loud Speaking Telephon system, 11-27			NY ship asks if loud speaking telephones have been shipped
NYS fwds prints 12:26 W			To NYS-Run of leads as shown satis. 12-4-19
NYS radio buzzer signals syst. fwds prts. 1:24:19 W			
356075	10;5	Ins . NY Ship	Requests installation of tubes. Fwds. plans W
Fwd Inspr NYS- 2-3-19 RB 2;28			To NY, Rqst date of shipmt of insulator mat'l 11-4
			To Inspr NYS re shipt of above 11-4
			To S&A Rqst shipt radio mat'l NY to Inspr NYS 11-4
			NYS - have not recd shipping report -11/29
			S&A relative to shipment of radio matl. 12;16 W
			NYS - 1/7
			To S&A- asks take action re install for 1-13
357195	10;9	Ins. New York Ship	Req action in connection with main and inter fleet radio rooms for W
	1:15	Ins. NYS	Inspr. New York Ship Nov. 13 - list equipment at hand for installation - also additional equipment required
	To- Material to be ready 2-1/19.		
If all material not ready ship greater part so that installation may begin.			
To Phila-Material to be shipped 1-24-19 by Feb. 1st. 1-25			Inspr. NY Ship Nov. 30 - Request early action W
357196	10;9	Ins. NY Ship	Insolator for rat-tail tubes need for installation - req. delivery be expedited W
358565	10;11	Phila	Confirms tel. con in connection of plans for inter-fleet radio room arrangements W

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N. S. E. Form 134.

563-6 IDAHO RADIO

Number.	Date.	From or To—	Subject.
358827	10;15	Phila	Req. blue prints book of instruction and Lou & Stine spark transmitter W Phila. Nov. 6 Book of instructions not received To Phila, Fwding book-let of spark transmitter, 11-12
359554	10;17	Phila	Rad. installation req. van dyke "W To Phila, Fwds vandykes 10-21
360855 T	10;21	Ins. NY ship	Are writing phila. to supply necessary installation for rigging at once W Fwd Phila, 10-31 RB 11-7 ToS&A, Reqts shipmt of radio apparatus, Phila to Camden, 11-13 Fwd Inspr Camden, 11-15 RB 1;31;19
364919 NYS 365424	11;1 Inspr. New York Ship Dec. 19 - Fwds prints of radio tel. set To Inspr NYS- asks fwd prints 1/7 - fwds prints - 1/9 11/8	Ins. NY ship NYS To NYS- 1-17	Req. Phila Yd. be directed to design and construct anteny for W To Phila, Fwds copy of radio telephon set for your informa, 11-22 Inspr. NY Ship Dec. 7- ask if department is approving installation of radio telephone set Request corrected type Inspr Camden, (T) 13408 Type SE 3612 transmitter will be supplied for Idaho, Shipping order amended, 11-9 ToS&A, Reqts shipmt of radio appratus, Phila to CO, 11-13 Shipmt order 11-5 RB 3;19;19
361206	11-12	To S&A	Reqts shipmt of radio apparatus, Phila to Camden, W Inspr N.Y.S. 6/24.
368530	11-16	To Inspr Camden	Reqts blue-print of re above, W

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[OVER.]

Number.	Date.	From or To—	Subject.	
320200	6-22	C&R	Radio - tell tail tube - fwds print.W Fwd C&R 7-19 C&R - Copy of letter to Constr NYS authorizing work. 7-22	
327406	7-16	Inspr NYS	Asks if radio direction finder should be installed on. W ~~NewYork ship 8/8 - rest action - W~~ To Inspr NYS Installation not approved 8-15	
330165	7-24	C&R	Relative to installing radio direction finder. W Fwd C&R 8-10 C&R 8-23 copy of instructions to NYS - W	
332452	7-31	C&R	Rearrangement of radio room - fwds prints showing ventilation 2nd and 3rd deck between frames. W Fwd C&R 8-3 C&R 8-5 Copy instructions NYS - W Inspr NYS 8/19 - Rqst expedite sketch.	
333423	8-1	NYS	Request if station be fitted with 2 kw spark transmitter - W To Inspr NYS will not assign transmitter	8-7
334961	8/6	NYS	Fwds contrs proposition in connection with insulators and fittings to be supplied by Government for radio installation on. W To Insp. New York Ship Sept. 23	

N.S.E. Form 134.

IDAHO: RADIO 563 - 6

Number.	Date.	From or To—	Subject.
335153	8-9	To Inspr NYS	Re installation of radio antenna trunks, W
336149	8/10	C&R	Proposed arrangement of interfleet radio room in conning tower foundations - fwds prints with contrs comments - W Fwd C&R 8-19 C&R - copy of indorsement to constructor NYS stating arrangement satisfactory 8/23
335565	8-8	NYS	Request action
345186	9-6 10:15 Ins. NY ship Inter Fleet rad. room fwds plans 10;18 L&W To Inspr Camden, fwd blue-prints, enclosed 11-7	To S&A Ins. NY ship To NYS-12-18	Rqst shipmt radio apparatus Phila to Inspr NYS W Inspr NYS 9-20 To Inspr NYS re install of loud speaking telephones, 9-30 SEE CARD 7 To Inspr NYS, re loud speak telephones, 12-4
345190	9-9	To Inspr NYS	Re installation of sound-proof receiving booth, W NYS - calls attention to height of booth s 9/11 W NYS - 10/18
347228	9-9	Ins. NY	Re-arrangements of Radio room W To Inspr NYS comments on above; fwds sketch 9-16
351298	9-21	Phila	Request Van Dyke listed W
353693	9/25 9/30	NYS C&R	Completion at Contrs works of antenna trunks - copper wire mesh No 14 being used instead of 18 inch - W Fwd C&R 10-2

[OVER.]

IDAHO: RADIO

1918

Number.	Date.	From or To—	Subject.	
292756	3-26	Phila	Switches for battle radio - fwds plan. To- Fwds print. 3-29	
293029	3-27	C&R	Battle radio room and main rat tail tube - fwds print. W Fwd- 4-1	
293908	3/30	NYS	Main antenna tube - fwds prints - W To—Appvs details under its cog.4/13	
294002	3/29	Phila	Request copy of all shipment orders covering radio apparatus for - W To—4/16	
297481	4-9	Phila	Requests that yard be authorized to construct antennae. W To—Auth manuf.4/18 Phila - T - Request plans. W 6-10 To (T)-- South Carolina plans fwd today 6-11	
298945	4-17	Inspr NYS	Radio installation - asks if changes shall be made to meet requirements shown to be necessary on battle ships operating abroad. W	

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N.S.E. Form 134.

IDAHO: RADIO 563 - 6

Number.	Date.	From or To—	Subject.	
300361	4/23	C&R	Radio installation - fwds correspondence - W C&R - 5/21 Fwd C&R 11-4	
300252	4/22	NYS	Radio installation - fwds plans - W	
311300	11-23 3;6	To Inspr Camden Ins. NYS	Desires extension cables for radio telephone set, W Inspr. NY Ship Dec. 19 - fwds prints showing extension cable for radio telephone set NY req. reply 2;17;19	
314493	6-11	NYS T	Request action-duplicate print being fwded. W To (T) — Is this Idaho. Cannot locate reference what material is necessary, 6-10 Inspr NYS - T - Fwds duplicate drawings of radio installation on. W 6-11 To (T)—Necessary enlarge radio room, 6-14	
319504	6/22	C&R	Installation of radio apparatus - fwds prints of rat tail - W Fwd C&R 7-3 C&R - copy of letter to insp NYSe giving action - 7/11	
319505	6/22	C&R R	Rat tail tubes - fwds print. Fwd C&R 7-3 C&R - Copy of letter to NYS authorizing work. 7-11	

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[OVER.]

IDAHO: RADIO.

1917

Number.	Date.	From or To—	Subject.
254358	10/11	NY	Port and starboard auxiliary antenna trunks fwds prints - W
256353	10/23	C&R T	Installation of pneumatic tubes - fwds prints - W Fwd C&R- 10-31
257947	11/1	Inspr NYS T	Battle radio room-reqt plan showing equipment and installation.W
268193	12/19	C&R	Delay in installation of radio - C&R recommends Rep. from each Bureau visit ship in order to arrive at a decision - W Fwd C&R-12-24 R B 1/4 To NYS- Contractors to install trunk for main Antenna. 1-5 Fwd C&R-1-5
274083	1/15	C&R	Relative to bulkhead in radio room.W Fwd- 1-17
277844	1/25 1/30	Supt Constr NYS C&R	Radio installation - request change be performed after ship has been delivered - W Fwd C&R 2-1

N.S.E. Form 134.

IDAHO: RADIO. 563 - 6

Number.	Date.	From or To—	Subject.	
281998	2/15	C&R	Installation of radio apparatus - fwds prints of rat tail tubes - L Fwd C&R 2-19 f	
288619 To NY	3-10 S&A-Reqt shipt radio equipment from to NYS. 4-20	NY	Radio apparatus NYS last date of delivery - have received no instructions. W To- Lists radio apparatus mfged. granted. 3-18 NY - will complete radio apparatus by May 20th - gives estimate cost - W 4/8 To NY--Appvs est. 4/18	
289118 To	3/12 NYS--4/18	NYS	Trunks for main antenna leads - request latest prints - W To- Installation main antenna should be in accordance with drawing. 3-15 Inspr NYS - Asks if drawings quoted are latest plans for antennae. 3-25	
289119	3/12	NYS	Contractors state are ready to proceed with installation of radio apparatus and request skilled workmen be sent - W To- Inform when plans will be fwded for appvl. 3-15 NYS - 3-30	
292312	3/22	Phila	Request radio prints showing recommended changes - W	
292481	3/25	Phila	Radio installation - request drawings- W	

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[OVER.]

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IDAHO: RADIO

1916

2

Number.	Date.	From or To—	Subject.
192424	7-3	C&R	Flag bridge radio station; request plans.W Retd--Fwds plans. 7/25
196798	8-16	C&R	Flage bridge radio station.W C&R Reqt action. 9/28 C&R requestaction 10/3 Fwd C&R--Recommendations.10/4 To C&R--Papers referred to in ref (A) retd with reference (b). 10/7 Fwd C&R--10/23
			1917
216634	3-5	NYS	Asks if Bureau desires contractors to install radio outfit at inc cost.W. NYS reqt action 3/21 To--Gives action on. 3/22 To--Directs communicate with Phila for any assistance in drawing up plans of radio set for. 3/29 To S&A--Reqt shipt of trans set from NY to NYS for. 4/23 To S&A--Reqt shipt of apparatus from Wash to NYS for. 4/25
206701	3/22	To NY	Directs have complete radio equipment installed by contractor before delivery of vessel. W 876
223484	4/17	NY	Idaho: Prints for radio installation will be completed April 20th.W
223848	4/18	NY	Fwds estimate cost and print for installing radio equipment W

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N.S.E. Form 134.

IDAHO: RADIO

Number.	Date.	From or To—	Subject.
225304	4/27	NY	F wds print of proposed general arrangement of battle radio station W To—Re modification of drawing.5/18 NY - fwds prints 8/13 W
234371	6/19	To S&A	Reqt shipt of port field set from Wash to NYS for. W
244042	8/15	NYS	Request information in order to proceed with installation of radio apparatus W
246827	8/30	NY	Radio installation in battle radio room - fwds prints W
249629	9/17	NYS	Installation of radio outfit-reqt plans.W To- Fwds prints. 11-21 NYS - 1/3 - W NYS - gives reasons for delay in answering 2/26W
251676	9-28	To C&R	Radio telegraph- Arrange to have pneumatic tubes installed if not already done. W C&R - 10/8 W

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[OVER.]

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IDAHO: RADIO

1915

Number.	Date.	From or To—	Subject.	
158027	6-21	To Dept. via C&R	Battle radio room and aux. sta. location	554-6
161114	7-20	NYS	Reqt rating of sets be supplied; also why feeders are of different ratings. W To--Comments on. 7/24	
163287	8-11	C&R	Battle radio room; fwds prints. W Retd 8/17	
166415	9/20	C&R	Fwds prints showing ventilation arrgts; unable to remove ventilation ducts from room. W Retd--Satis. 9/22	
168939	10-18	C&R	Battle radio room; fwds print. W Retd-- Print satis. 10/23	
170640	11-8	NYS	Reqt confirmation of changes in upper radio stations; ordered by C&R. W To--Change appvd; submites est for. 11/11	
171305	11-15	C&R	Asks if insulators are required in rigging for radio. W Fwd C&R--No insulators required. 11/17	

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N.S.E. Form 134.

IDAHO: RADIO 563-6

1916

Number.	Date.	From or To—	Subject.	
175918	1-10	C&R	Recommends postponing location of auxiliary radio room until power wiring leads is decided upon.WL Retd--Comments on. 1/12	
179861	2-21	NYS	BATTLE radio room; fwds proposed plan. W Fwd C&R--Recommendations. 3/7 RB 3/22 Fwd C&R--3/24 RB 4/6 Fwd NN-- 4/7 RB 4/12	
180516	2-29	NYS	Fwdsprint showing shunts around turnbuckles on stack guys and insulating radio.W	
180935	3-7	To NYS.	Water-tight box for type HB telephone; Bu will give consideration to housing all telephones on weahter decks as change under contract. L	363-4
188354	5-18	C&R	Battle radio room; fwds plans.W Retd--Satis to Bu. 5/24 (2)	
189048	5-25	NYS K	Throw over switch for feeders; fwds print of proposed.LW To--Disappvs; not necessary. 6/5 NYS has approved Cory's 100 ampere switch 8/12	
190994	6-16	C&R	Flag bridge radio station; reqt plan.W Fwd C&R--Have reqtd NY to furnish.6/20 To NY-- Furnish print to NYS. 6/20	

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[OVER.]

IDAHO SUBMARINE SIGNAL APPARATUS

Number.	Date.	From or To—	Subject.	
409523	4;8	Insp. NYS	Installation of 1 oscillator type sending and receiving set submits estimate of increased cost L To Inspr NYS - Change auth and referred to Bd on Changes. 4-15	
464435	12;15	Inspr NYS Fwd Solicitor. 12-24 RB-12;31	Installation of one oscillator type sending and receiving set-fwds estimated increase in cost.D	
W 1046	1/21	NYS	All oscillator equipment placed on board vessel before she left Yd SW	629
537582	11/21 12/30	CO C&R	192 0 Rqst install submarine signal oscillator. W. Fwd C&R 1/6/21	
537847	12;29	Pug Sd	Ask if shall proceed with installation of kiel type oscillator on.W To Pug Snd Instln not desired cc CO 1/7/21 Pug Sd-1;17-W To C&R. Reqst no further work be under cog of C&R be undertaken in conn with this work 1/27/21 To Pug Snd Gives Instrns cc CO 1/28/21 To Pug Snd- Gives instrns 5/9	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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1918

IDAHO: SUBMARINE SIGNAL APPARATUS.

Number.	Date.	From or To—	Subject.	
195041	7/28	NYS	Submarine signal system; wiring diagram; fwds.L To-- Appvs' 8/2	
			1911	
228731	5/16	NYS	Asks if submarine signal set to be delivered under requisition 196 is for this vessel L To--5/22	
228102	5/16	To NYS	Dept has appvd install of oscillator type submarine sending and receiving set on. LW NYS - Request plans and specifications 5/21 L NYS - Request that action be expedited 6/2 L To--Fwds copies of plan.7/11 NYS - request plans and specifications 7/14 L	
252527	10/1	NYS	Submarine signalling system - fwds print L To--Plan appvd with modif.10/8 NYS-Fwds print.10/30.L NYS - gives location of apparatus 11/28 L	
253579	10/8	NYS	Sub. signalling leave - relative to repairs to L To--Confirms permission.10/11	
386912	1;18	C&R	Ask Bu. intention to insta 1 submarine signal set at Norf. or NY L Fwd C&R. 1-29 C&R - copy of letter to NY authorizing work -2/3	

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IDAHO: SUBMARINE SIGNAL APPARATUS. 563 - 7

Number.	Date.	From or To—	Subject.	
266569	12/8	Sub Sig Co	Reports shipment of oscillator (submarine) apparatus -	
274148	1/15	NYS	Request type plan of installation of kiel oscillator - L Fwd NY 1-24 To NY 1/27 R. B 3/5	
278841	1-31	Submarine Signal Co	CALIFORNIA MISSISSIPPI IDAHO & NEW MEXICO. Fwds copy of letter to S&A reqting amendmt. to contr covering increase in cost $19.	573-7
280869	2/11	C'R	Fwds contractors suggestions for intalling Submarine signalling sets.L Fwd 2-13 R B 3/29with plan - L Fwd C&R 4-6 Norf - reqst action on 2nd paragraph - 4/7	
		To Norf- Oscillator set was ordered on Bu contract. Wash. N.P.O 1046. 5-9		
1046	1-31 2-9	Submarine Signal Co S&A	Rel to increasing price for submarine signal apparatus for MISSISSIPPI, IDAHO & NEW MEXICO on acct of change in voltage.L&S	629
309905	5-23	Inspr NYS	Fwds blue print showing working, wiring diagram of submarine signal system. L	

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IDAHO MACHRY PLANT GENERAL 1922 9

Number.	Date.	From or To—	Subject.	
651165	11/25	C&R	Fwds booklet of general plans D	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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IDAHO MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
640645	6/30 9/7	CO Ordn.	Subm report on material readiness. Y Fwds Operns 9/29	
640905	9/4	CO	Subm list of items of work to be undertaken by Ships force while at Yard. Y	
641179	8/26 9/12	Pacf. Fleet Ordn.	Subm report of inspection Y Fwds Operns- via Navign- Med & Surgy- Maj Gen Comdt Marine Corps 9/25	
642392	9/22	Dept	Copy of telegram to Pug. Sd. extending availability of vessel to cover instln of safety latch device on operating levers.	Y

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N. Eng. 134
IDAHO MACHRY PLANT GENERAL 1922

Number.	Date.	From or To—	Subject.	
645990	10/13	Pug.Sd.	Gives name plate data on radio receiving equipt. W.	
		VOID See "6"		
645991	10/13	Pug.Sd.	Request Duplex pump and boring mill condemned for sale be withdrawn and issued to ship. Y To Pug Snd- procedure appvd 10/26	
649248	9/30 11/10	CO Dept	Submits report on material readiness Y Fwds Operns via C&R Ordn 11/23	
649334	10/23 11/10	CO Dept	Submits report on material readiness Y Fwds Operns via C&R Ordn 12/12	
649683	11/10	P.S.	Submits special report on status of job orders on departure of vessel Y	

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[OVER.]

Number.	Date.	From or To—	Subject.	
540827	1/18	To Washn	Fwds Prints listed for permanent file in Eng Storeroom at Navy Yard D.	
9 548578	1;18 2;25	CO Pac Flt	Request instal two fire room emergency systems with ??.D Fwd Pug Snd 3/7 RB-6;27-L	
550672	3;9	C&R	Copy of letter to Pug Sd making vessel available for docking.Y	
553836	3;25 3;26	CO Dept	Report on matl readiness.Y Fwd Operns 4/11	
554004	3;26	Pug Sd copy	IDAHO undocked FREDERICK follows.A&Y	
558311	3;16 4;16	Pac Flt Ord	Report of inspection.Y Fwd Operns via C&R S&A Med & Surgy Navign 4/20	
579737	8;8	Pug Sd copy	Vessel docked.Y	
587309	9;19	Pac Flt	Fwds report of quarterly inspn.Y	
599378	12/7	Constr.Union Copy	Vessel dockt. y	

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N. Eng. 134

IDAHO MACHRY PLANT GENERAL 1921

Number.	Date.	From or To—	Subject.	
599753	12/9	Constr Union	Vessel undockt. Y	
608894	1/1 2/9	CO Ordn.	Subm report on material readiness. Y Fwd Operns-via C&R-2;21-Yd	
629878	2/17	Pac Fleet	Battle inspection report Fwds Y Fwds Operns 7/15	
630645	6/1	Pacf.Fleet	Fwds report of military inspection.Y Fwds Operns via Navigh Marine corps 7/13 Yd	
636888	8/9	Dept	Instructions in conn with holding material inspection.Y To Board I&S-Fwds correspondence 8/15 Yd Bd I&S- Returns correspondence. 12/18. Y	
628609	8/4	Mare Isl.	Acknowledges receipt of finished plans for IDAHO. D	494

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[OVER.]

IDAHO: MACHY PLANT GENERAL: 1919

Number.	Date.	From or To—	Subject.	
433590	9-24	SEE CARD 5	Lists status of finished plans as given in letter from Worthington Co. Ds Inspr NYS-Worthington Co should be required to supply satis plans-9;26 Inspr NYS 10-24 Rqst Worthington Co expedite action. To Worthington Pump Co- Reqts submit statement re supplying proper plans. 10-27 Worthington Co - 10/30 Inspr NYS-copy of letter to contractor returning checked VanDykes-11;13	
452776	10-16	Inspr NYS	Photolithographic booklets and pocket books- Estimate of decreased cost.	D
452786	10-16	Inspr NYS	Intact bolkheads below third deck; installations of additional ladders to engine rooms- Estimate of increased cost.	D
464444	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30	not furnishing photolithographic booklets and pocket books of machinery plans-fwds estimated decrease in cost.D	
464455	12;15	Inspr NYS	Installation of additional ladders to engine room, intact bulkheads below 3rd deck-fwds estimated increase in cost.D	
464426	12;15	Inspr NYS VOID see 9	Installation of governor gear on the cruising turbines-fwds estimated increase in cost.D	

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N.S.E. Form 134

IDAHO: MACHY PLANT GENERAL 1920

Number.	Date.	From or To—	Subject.	
48821	12/29	San Pedro Sub Base	Mat'l recd and delivered to IDAHO ↓ RS	563-9
475567	2;11	Inspr NYS	In connection with shipment of finished machinery plans and booklet of diagramatical booklet plans to Bureau.D To Insr NYS Reqst orginal tracings of plans listed Inspr NYS-fwds drawings-6;30-D To Inspr NYS Fwds tracings 7-13 Inspr NYS-returns various finished plans-8;6-D	6-25
496677	5/30 5/28	CO C&R	Request install addtl exhaust ventilating over sear in sick bay head, enlarge operating room, etc Fwd Pacific Fleet 6-3. C&R-copy of action to Pug Sd-6;28-D	D.
497553	6-4	To CO	Alterations under cog of SE- Connect make- up feed pump to after dynamo hot-well; Reqst when alteration completed sketches be fwd CC Pug Snd Pacific Fleet D.	
499594	6-16	To Co Via Union	Alterations: Heating coils in relay tanks: when completed drawings shld be sub. CC C-in-C Pacific Fleet -Pug Snd	
510678	8;9	Inspr NYS	Copy of letter to Contr fwding replacement prints.D	

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IDAHO: MACHY PLANT.

Number.	Date.	From or To--	Subject.	
422235	5/27 5/29	NY C&R	Necessary to repair pneumercators and calibrate fuel oil tanks - Y	
	Fwd C&R. 6-9 Pneumercator Co 6/12- Comments on faults discovered- D		To Pneumercator CO.Reqts send representative aboard and inspect equipment which is out of order. copy to I.M. NY and CO. 6-9	
424718	6/11	CO. Copy	Reqst NY be directed to work overtime to complete job orders as soon as possible - A	
424969	6:11	Dept	Copy of tel to NY auth. overtime work on in order to complete repairs Y	
425920	6-16	Department	Copy of telegram to N Y extending date of completion to 6/25.	A.
428035	6/24	Dept.	Copy of tel to N.Y. extending date of completion of work to 7/3. A.	
429922	7-2	NY (Copy)	All work contemplated on completed.	A.Y

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N.S.E. Form 134.

IDAHO: MACHRY PLANT

Number.	Date.	From or To—	Subject.	
430662	7/2	Inspr NYS	Copy of letter to CO fwding vandykes of finished machry.plans. D.	
431241	7/8	Inspr NYS	States contractors have delivered descriptive pamphlets on special machry on method of operating. D. NYS - 7/23 To Inspr NYS- Gives directions for distribution of pamphlets. 7-25	
433590	7-16	Inspr NYS	Rqst expedite delvy of finished plans listed from Worthington Co.	D
		Inspr NYS-states all finished work completed except those to be furnished by Worthington company-9;22 Worthington Co-will endeavor to furnish prints within next 10 days.9;22	To Inspr NYS- Matter of expediting plans should be taken up by NYS CO. 7-21 Inspr NYS-9.5 To Worthington Pump Co- Reqts expedite furnishing plans of pumping equipmentin order to make final settlement. 9-19	
438925	7;29	NY	Report of matl condition ofvessel on leaving yard.Y	
	8;6	Dept	Fwd Operations via Ordnance. 8-12	
	8;9	C&R		
447316	9;24	Pug Sd copy	Docked.A&Y	

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IDAHO: MACHY PLANT.

1919

Number.	Date.	From or To—	Subject.
387649	1/20	Dept	Home Yd changed from Norf to NY - A
390271	1;24 1;30	NY C&R	Ask probable date of availability of ship for installation of Burney gear. Fwd C&R. 2-5
395110	2-15	To Norf	Outstanding job orders. Lists to be transferred to NY. Yo copy to NY and Fros CO Norf - weekly report - 2/21
398480	2;27	Ins. NYS	Copy of let. to contr. req. list of plans lost or mislaid D
406477	3;20 3;27	Ins. NPN Norf.	Index book for machinery plans ask if Bureau has copy of D
406612	3;28	Dept	Not available at NY until May 15 Y

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N.S.E. Form 134.

1019

IDAHO: MACHY PLANT

Number.	Date.	From or To—	Subject.	
408404	4;4	Ins. NYS	Req/ copy of finished plan D To Inspr Camden- Fwdg blueprint- 4/7	
412018	4;18	Guantanimo	Copy ship arrived 4;18 RA	
416448	5;6	NY	Copy of let. NYS complaining of contr. submitting blue prts prior to coils being completed etc (crbss to 634) D	
417092	5;1 To I.M. copy to Bd I&S and	CO Ny- Lists items appvd. 5-29 copy CO.	Alterations to averaging counter, voice tube mechanical telegraphic burner indicator, & install gauges, additional valves, forced lubribation for air compressors, change location machinery shop etc D To Bd I&S- Reqts comment on alterations when trials are held. copy to CO. 5-21 CO 5/23- Rqst reconsideration	
421194	5/26	Inspr N.Y. Ship	Additional laundry Machinery. Submits estimate of increased cost L.	563-4

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1917

IDAHO: MACHY PLANT

Number.	Date.	From or To—	Subject.	
215026	2-16	NYS	Photolitho booklets; asks instructions; makes suggestions as to requirements.D To--Appvs rec. 2/27	
217964	3-13	Bd on Changes, NYS	Interchange of prints of ARIZ machy plans for use in preparation of plans for this vessel dec cost. N	
245676	8/24	NYS	Omission of forward side ladder D To--Reqt est change in cost.8/27 NY S - fwds prints 9/7 - D	
255136	10-16	NYS	Contractors give their understanding as to method of submitting reqt for priority; asks if to be sent directly to War Industries Bd or via Bu; covering material for IDAHO.	793-12
272660	1/8	NYS	Additional equipment for shop's motor driven precision lathe - fwds proposal from the Fairbanks Co - D	
291178	Fwd NYS		Monel metal castings for ordered from Bayonne Casting Co. S	~~503-15~~

N.S.E. Form 134.

A. C. Wrenn

IDAHO: MACHY PLANT 563 - 8

Number.	Date.	From or To—	Subject.	
291178	3-20	Inspr NYS	Monel ~~Material~~ metal casings held up awaiting inspection. S Fwd Brook- 3-21 RB 3-27 S NYS - Contractors state work held up due to non-receipt of monal metal casings. S 3-26 Fwd Brook. 3-28 R B 4/9 To- Material on orders will be inspected and released without any delay. 3-29 To NY Ship 4/9 R B 4/12 Inspr Brook - Quotes endorsement returning original papers. April 6th. S 4-16	
326606	5/27	Lilley	~~Submits report of status of conditions on board IDAHO - D&R~~	
336712	8/16	NYS	Fwds copy of letter to contrs requesting expedite completion of plans as listed - D	
372927	11/25	Inspr NY Ship.	Lt F.P. Waller rentd for duty in conn with fit out of IDAHO . F.	632.
			1919	
386035	1;15 1;27 Fwd S&A. Boston-2;18	Ins. NYS NY 10-31	Rea. aut. to ship several sets of vandykes mfg. to ~~xx~~ in specifications for D To S&A-Reqt shipt tracings and vandykes from NYS to various points. 1-16 To NYS-Fwds index books. 1-18 Fwd NYS- 2-1-19 NYS - 2/28	

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1915

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IDAHO: MACHY PLANT.

Number.	Date.	From or To—	Subject.
156450	5-28	C&R	Compartment and access plans; fwds.DR Retd--Appvs with modi and comment. 6/21
157685	6-10	C&R	Midship and type sections; plan.DR
159202	6-29	NYS	Comp nuts for misc use; reqt permission to substitute comp G cold process die form in lieu of comp N-r. To--Appvs reqtd. 7/7
161161	7-20	NYS	Arrgt machy in engine and fire rooms; tracing.DR To--Appvs. 8/2
165300	9-8	NYS	Joiner plans; distribution board room, dynamo work shops,etc. DR-L Fwd C&R-- Comments on.9/15
173149	12-4	C&R	Outboard fittings; fwds plans.DR-L To NYS--Fwds copy reply. 12/10 To--Appvs with comment. 12/11
173949	12-15	C&R	Powder testing room and chemical laboratory; reqt plans of proposed. DR Fwd Ord-- 12/18 RB 1/20--fwds sketch to cover class. Fwd Ord--Appvs with comment. 1/21
185584	4-22	C&R	Intact bulkheads; DR To NYS--SE work authorized. 4/27 NYS plans and comments 5-9 To NYS-- 5/20

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IDAHO: MACHINERY PLANT: GENERAL. 563 -- 8

Number.	Date.	From or To—	Subject.	
186511	5/1	C&R	Intact bulkheads; lists location	133-8
188191	5-17	C&R	Intact bulkheads; fwds corres and plans. DR Retd--Concurs in. 5/20	
189527	5-31	C&R	Intact bulkheads; fwds access plans.DR	
189541	6-1	TO NYS	Intact bulkheads; work on auth 6-1	
191980	6-28	C&R	Intact bulkheads; dead lights, DR Retd--Comments on. 6/30 To NYS--Instructions. 6/30	
193360	7/12	NYS	Air testing various compartments in lieu of water testing dynamo condenser rooms; cannot be tested under service conditions unless gate valves are fitted in vapor pipes.DR Fwd C&R-- 7/14 C&R desires to conduct test 7/25	
203050	10/2 0	Dept	Request report of inspector NYS relative to delay and defective workmanship.C Fwd NYS-- For report. 10/20 RB 10/25 Fwd Dept--10/25	
203652	10-26	NYS	Machy plans; finished; relative to size of. D To--Comments on. 10/31 NYS recommends elemination useless sections to keep within 84" 11-9 To--Scheme appvd. 11/11	

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N.S.E. Form 134.

IDAHO: MACHY PLANT. 563-8

Number.	Date.	From or To—		Subject.	
142509	12-17	NYS	3610-3864	Proposed arrgt of main and auxiliary machy in engine room; fwds plan.D	
		To--(T) Disappvs plan. 1/6		To C&R-- For commen . 12/30	
		To--Returns plan for revision.1/6		NYS reqt tel action 12-31	
				To--Re fitting wing bulkheads. 1/8	
142498	12-18	C&R		Midship section; fwds.D.	
				To--Comments. 12/28	
142583	12-18	NYS		Reqt plan showing arrgt of engine, boiler, and shafting.D	
			1910		
143612	1-4	C&R	97	Proposed re-arrgt machy.D	
				Retd--Disappvs contr's arrgt. 1/6	
143884	1-9	To NYS.		Torpedo-protection Bulkheads; directs bulkheads be keep clear of steam pipes and fittings that are vital to operation of the ship.	775-1
145221	1-18	NYS Co:		Additionallongitudinal bulkhead in eng room, arrgt shafting and machinery; also additional bulkhead abreast boiler room. D.	
	1-21	C&R		Fwd Dept--Satisfactory to Bu. 1/22	
				RB 1/22 Bu: also considers for other ships.	
				Fwd C&R-- 1/27	
145384	1-21	NYS	201-3865	Proposed arrgt machy and shafting; particularly in reference to new bulkheads and keeping machy off torp bulkheads. D.	
				Fwd C&R-- For comment. 1/29	
				To-- ppvs with modi. 2/5	
148791	3/4	C&R	87-B-42	Assignment of staterooms; fwds print.DR	
				Fwd Dept-- Appvs. 3/11	
150297	3/20	C&R		Assignment of staterooms; plan	562-8

NB—0120

[OVER.]

IDAHO: MACHY PLANT.

1914

Number.	Date.	From or To—		Subject.	
137754	10-23	NYS	3111-3864	Contractors reqt authority to order material for forgings and catings, blading, etc. for main propelling machy in advance of approval of plans where certain parts duplicate ARIZONIA machy.D To--Authority granted. 11/14	
137838	10-24	NYS	3113-3864	Plans of propelling machy Reqt NY be auth to issue triplicate prints of ARIZONA machy when called for. D To-- Appvs. 10/29 Fwd Dept--Recmns authority be given to furnish. 11/2 To--Instructions.11/6	BELOW
137976	10/26	NYS		Contracts propose to purchase 3 carloads of copper for misc purposes; reqt that they be credited with same on bill; inspector objects to payment	563-2
137838		ABOVE		NYS; Fwds contrs acceptance of prices for plans.N 11/11 To--Have referred to Bd on Chages. 11/13 To Gen Insp-- 11/13 To NY-- Instructions. 11/13	
139489	11-13	NYS Co.	T	Contract signed Nov 9; reqt NY be instructed to furnish drawings.D	
139518	11-8 11-12	NYS NY	464-930-1	Fwds list of drawings desired by contractors.D Fwd NY-- 11/18	
140202	11-21	NY		Reqt instructions re charging cost of furnishing ARIZONA plans against a Job Order.N To-- Instructions. 11/23	
141110	12-4	TO Dept (J)		Structural changes to provide for protection against underwater attack.	554-8
149103	3/5	G E Co		Gen set; fwds outline plans, specns, etc	562-8

IDAHO MAIN ENGINES 1922

Number.	Date.	From or To—	Subject.	
64 6533	9/16 10/17	CO ~~Pac Fleet~~	Reports of casing have not been lifted since commissioned YY To C-I-C Pac Fleet- Submits Recomdn cc Squad 4- CO 11/9	

N. Eng. 134

Number.	Date.	From or To—	Subject.	

IDAHO: MAIN ENGINES: 1919

Number.	Date.	From or To—	Subject.	
431241	7-25	To Inspr NYS	Pamphlets descriptive of special machinery and methods of operating. Gives directions for distribution of same. Ds	563-8
464456	12;15	Inspr NYS	Development of turning gear for the four main shafts-fwds estimated increase in cost.D	
452790	10-16	Inspr NYS.	Re-design of turning gear for main shafting on account of intact bulkhead. Estimade of increased cost.	D
464426	12;15	Inspr NYS	Installation of governor gear on the cruising turbines-fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB 12-30;	
48821	12/29	San Pedro Sub Base 8	Mat 'l recd and delivered to IDAHO- RS	
405012	1-10	SEE CARD 8	To Pug Sd-Reqn disappvd . R	
	To Pug Snd Gives action 3/14		Pug.Sd. Copy of action to CO-11/31 D	
	Pug Sd-arrangement of pumps for draining lp turbine-fwds prints-3;25 D		Pug Sd-proposed arrangement of pumps for draining low pressure turbines-fwds prints-2;24	
482915	3-22	To S.O. M Is	Fwds turbine blading plans. copy to Lt. Drake M Is. D	

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N.S.E. Form 134.

IDAHO: MAIN ENGINES 1920

Number.	Date.	From or To—	Subject.	
482783	3/22	To S.O. Ny	Fwds turbine blading plans. D	563-5
496462	5-28	To Terry Steam Turbine	Co- Advise number of nozzle jets per turbine etc for auxiliary turbines listed. D Terry Co - 6/4 - D	
497062	6-7	To NEW MEXICO	Re location and arrangment of valves connecting auxiliary exhuast. D	562-9
			1921	
543960	1;17 1;21	CO Pac Flt	Request lift gaskets of all main and cruising turbos for examination. Y To C -I-C Pac Fleet not authd cc Operns- Pac Fleet- Pug Snd- CO 2/5/21	
544				
551781	2/13 3/11	CO Pug. Sd.	Request correct dynamic balancing of rotors of both cruising turbines. Y Fwd Dept via Operns cc Pac Fleet- Pug Snd- CO 3/21 RB-3;28-Y To Pug Snd Disappvd cc CO 3/29	
		1922		
635360	7/19 7/25	CO Pacf. Fleet	Spare pinion for reduction gear- fwds photos showing damage to. Y	

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[OVER.]

IDAHO: MAIN ENGINES.

Number.	Date.	From or To—	Subject.
321307	6/26	NYS	Details of turning gear for main turbines - fwds drawing - D
336624	8-9	Inspr NYS	Adjusting block for LB turbine fwds print - D To Inspr NYS plan approved, 8-30
362575	10/25	NYS	Copy of letter to Contr in connection with improper methods pursued in making tight unions in lubricating oil system of main engines - D
375518	12;6	C&R	Correspondence refitting portable fuel heater in center engine room D Fwd C&R, 12-10
380828	12-28 1;13;19	To Insp. Camden. Parsons Co	Fwds. copy of ref (a) & blueprint. Ins N.Y.Ship- Fwds sketch of gauge class LP turbine. 2/6.
382529	1;3	Ins. NYS	Drain holes in HP head and astern roters fwds print D To Pearsons Marine Steam Turbine Co Fwds prints wit h comments- To Inspr NYS-Method for draining turbine rotor drums ahead and astern appvd. 1-16 To E.H.B Anderson-Reqts return prints. 1-16 Parsons Co fwds prints 1;10;19

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563- 9 IDAHO: MAIN ENGINES

Number.	Date.	From or To—	Subject.	
395679	2;17	C&R	Access to center engine room. Req. comments on changing blower in D To Inspr NYS- Fwds copy of letter from C&R giving action in which SE concurs. 2-19	
397445	2;21	Ins. NYS	Orders copy of contr. let. req. be relieved or air test required of main and cruising turbine D To - Air test waived. 2-28 NYS - (T) request instrns - 2/28 To-(T)-Air test main and cruising turbines waived. 3-1	
405012	3-25	To I.M. Ny BELOW NY - fwds print showing arrangement of drain collector tanks and steam ejectors for low pressure turbines-6/18 To I.M. Ny- Inform status of work on. copy to CO. 6-24 N.Y.- Fwds prints showing available space for instln of turbine drain pumps 7/5 To CO cc to NY- reqst report 7/12 NY 7-16 N Y 10-10	Drain collector tank and steam ejector for low pressure turbine drains. Auth for each low pressure turbine. copy to CO. Db NY req. copy of plan 4;16 Fwd C&R. 4-26 R B 4/30 To- Small drain collector tanks and steam ejectors to be installed. 5-1 To Inspr NYS- Lists plans reqte fwd to NY.5-1	
417404	5/9	Ens. C.J.Lamb	Recommends centrifugal separator be installed in vapor line to distillers installed by passing around reducing valves to steam line for steering engine on IDAHO and other recommendations and suggestions - D	709
405012	7-18	SEE ABOVE To I.M. Ny- Reqts report on the suitability of the ejectors for low pressure turbine drains.Db CO-9;24 To Pugsd. 10-4 copy to CO-removal of present drain tanks auth. fwds prints. copy to PAC FLT Pac Flt-fwds copy of matl list giving specns for pumps-1;3	To I.M. Ny- Fwds copy of Report and rents fwd prints to Pug in connection with installation of pumps, etc. copy to CO and Pug Sd.10-4 SEE CARD (9)	

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IDAHO: MAIN ENGINES: ETC.

Number.	Date.	From or To—	Subject.	
228847	5/17	NYS	Block cocks for use of force lubrication fwds plan D To--Plans appvd.5/23	-
231432	6/1	NYS	10 inch governor valves for cruising turbine - fwds prints D To--Plans appvd.6/8	
236653	7-3	To NYS	IHAHO: Spare turbine blading, etc. for merchant vessels; auth shipt of to the Vaterland.	771-2
246383	8/28	NYS	H P Astern turbines - fwds prints D To--Plans appvd.9/1	
253590	10/8	NYS	Ladders and gratings in engine room - fwds print showing arrangement and details D	

N.S.E. Form 134.

IDAHO: MAIN ENGINES: ETC. 563 - 9

Number.	Date.	From or To—	Subject.	
267546	12/14	NYS	Reduction gear for H P ahead turbines - fwds prints - D	
268140	12/17	NYS	Low pressure turbines - relative to clearances between safety strips - To- Bearings are accepted. 12-22 To NYS - 1/1 - D To- Your action appvd. 1-16 NYS - 1/17 - D To- Understanding not to retain faulty bearings is correct. Must furnish as per specifications 1-22	
271617	1-7	to Phila	alterations under cognizance Bu S.E Auth. Y	
276171	1-23	NYS	Low pressure turbines. Unable to install due to ice conditions. D	
284878	2-26	Ins NYS	Adjusting turbines - instructions for.- fwds. D To- Instructions appvd. 3-2 To- Wds appvd trating. 3-6	
301900	4-30	To NYS	Forced lubrication cut-out valves for- Reqts have done to isolate compartments and expedite estimates for the increased cost involved. D Inspr NY - Request approval of Chapman gate valves forced lubrication system. D 7-8 To Inspr Camden, plans approved, 7-12	

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IDAHO: MAIN engines.ETC.

Number.	Date.	From or To—	Subject.
211527	1-12	NYS	Forced lubrication system; settling and storage tanks for; fwds plan. D To--Plan appvd with modif. 1/24
211534	1-12	NYS	Govenor counter gears; operating gear;etc. for turbine control; fwds tracing.D To--Plans appvd with comment. 1/24
212303	1-22	NYS	Lub oil stowage tanks; filling pipes; tracing.D To--Plan appvd with modif. 1/29
213249	2-1	NYS	Cruising turbine; emergency trip gear and valve; if install will involve inc cost.D. To--Ests for inc cost will be expedited.2/5 NYS are waiting on reply from contractors 2/28
217341	3-6 3-8	NYS Pitts	Oil filter; protests against rejection of by inspector.S To Pitts--Instrns.3/13
217258	3-7	NYS	Re-Arrgt handling gear;plan To--Plans appvd.3/17

N.S.E. Form 134.

INDAHO: MAIN ENGINES; 563-9

Number.	Date.	From or To—	Subject.
220060	3-27	NYS	Connection gear cruising turbines; fwds plan and est inc cost.D. To Dept--Have directed install of overspeed governors.4/3 RB 4-7
		To NYS--Change appvd.4/10 To Gen Inspr--4/10	
220061	3-27	NYS	Floor plate in engine room;plan.D To--Fwds appvd tracings.4/3
220993	4-4	NYS	Operating gear for turbines; arrgt and details; plan.D
224968	4/26	NYS	Forced lubricator system castings - fwds plans D
225745	4/30	Chisholm - Moore Manfg Co	Hoists for turbines eye bolts for - request waiver deficiency tensil strength S Chisholm Moore Co. fwds letter relative to tensil strength 5/1 Fwd Inspr -- 5/3 RB 5-9
227903	5/11	NYS	Relief valves for discharge from lubricating pumps to bearings and coolers - fwds print **To--Plan retained. Instrns.5/18**
228481	5/9	NYS	Governor gear on cruising turbine - fwds prints - D

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IDAHO: MAIN BOILERS: ETC.

Number.	Date.	From or To—	Subject.
202482	10/13	NYS	Turbine gear; fwds tracings and comments.D To--Plans appvd with comment. 10/20
202305	10/12	NYS	Handling gear, main engines working platform; fwds tracings with comment.D To--Plans appvd. 10/21
205212	11-8 11-9	Federal Steel Foundry Co Chester	Steel castings; test coupon too small for specimen; rect be accepted.S To Chester--Auth accept. 11/11
205489	11-13	NYS	Lifting gear for main exhaust nozzles; details of trolley and hoist; plan.D To--Prints appvd with comment. 11/23
205799	11-16	NYS	Forced lubrication system; plan.D To--Plans appvd. 11/29
206301	11-20	NYS	Arrgt reduction gear and clutches; plan.D To--Plans appvd. 11/29
206918	11/29	NYS	Wire rope slings for turbine lifting gear; relative to test required.D&S To--No test requd. Will be tested with balance of lifting gear. 12/2
206973	11-28	NYS	Main exhaust nozzles; arrgt and details; resubmits plan.D To--Plans appvd. 12/7

N.S.E. Form 134.

IDAHO: MAIN BOILERS. 563-9

Number.	Date.	From or To—	Subject.	
206997	11-29 12-1	Fed Steel Foundry Co Chester	& CORNER & STOCKTON; castings; request waivers; S Fwd Chester--Instrns. 12/2	
206999	11-29	ditto	ditto; large castings; reqt waivers.S Fwd Chester--Instrns. 12/2	
208028	12-8	NYS	Working platform in eng room; rebubmits tracing.D To--Plan appvd. 12/15	
208481	12-12	NYS	Lifting gear for main turbines; plan.D To--Lists appvd plans. 12/20	
208721	12-14	Pitts	Oil filters; reqt specns covering; complains of failure to receive specns from Buresu when new are issued (Specns) To--Fwds 2 copies of specns. 12/16	
208934	12-15	Chester	Steel castings; fwds waiver request.S To--Auth accept. 12/20	
208936	12-15	Chester	ditto To--Auth accept. 12/20	
208937	12-15	Chester	ditto To--Auth accept. 12/19	
208940	12-15	Chester	ditto To--Auth accept. 12/20	
209953	12-26	NYS	Lifting gear for main exhaust nozzles; details of hoists; plan.D To--Plans appvd. 1/5	

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IDAHO: MAIN BOILERS.

1916

Number.	Date.	From or To—	Subject.
189371	5-25	NYS	Lub oil cooler; rebubmits plan. DR TO -- appvd as mod 6-2
190922	6-12	NYS	Flexible couplings; of cruising turbine; tracings.DR To-- Appvs. 6/23
191025	6-16	NYS	Forgings for reduction gear; reqt waiver discrepancy.S To Phila--Instructions. 6/19
191626	6-23	NYS	Lub oil coolers; unable to secure Admiralty mixture tubes; request permission to use seamless drawn brass condense r tubes tinned inside and outside. DR To--Appvs substitution. 6/28
192254	6-29	NYS	Cruising turbine; omission of governor and counter gear; fwds tracing. DR To--Will not be fitted; not required. 7/10
193351	7-11	NYS	Genl arrgt HP astern turbines; fwds tracing.DR To-- Appvs. 7/19
193431	7/11	NYS	Turbines; arrangement plans; fwds tracings.DR To-- Appvs. 7/19

N.S.E. Form 134.

IDAHO: MAIN ENGINES. 563 — 9

Number.	Date.	From or To—	Subject.
194132	7/19	Chester	Special casting; Federal Steel Co; request waiver in deficiency in elongation and deduction.S Fwd NYS— Asks if casting is acceptable to NYS Co. 7/22 RB 7/31 To—Auth acceptance 8/1
194556	7/24	Chisholm-Moore Co	Hoists for turbine handle; now able to furnihs tracings in accordance with Bureau's specifications.DR To—Gives instrns covering preparation of tracings for Bu. 7/27
195513	8/2	NYS	Turbine relief valves; fwds tracings.D To— Appvs with modi and comment. 8/12
195509	8/2	NYS	Turning gear for main engines; resubmits plans.D To—, Appvs with modi and comment. 8/15
197011	8-15	NYS	Lifting gear for reduction gear; and main exhaust nozzle arrgt; plan.D TO — appvd 8-23
198998	9-8	NYS	Turbine throttle valve; fwds tracing.D To— Appvs with modi. 9/21
201096	10-3	NYS	Lifting gear for main turbines;; fwds detailed plans. D To—Plans appvd. 10/11
202293	10-12	NYS	Turbine throttle valve operating gear; tracing.D To—Plans appvd with modif. 10/20

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IDAHO: MAIN ENGINES.

1915

Number.	Date.	From or To—	Subject.	
172804	11-30	C&R	Portable plates over eng room; fwds plans. Retd--Plans satis. 12/10	DR
173848	12-14	NYS	Casings for reduction gear; fwds print. To-- Appvs. 12/23	DR
173846	12-14	NYS	Fwds plan of cruising turbine casing and modification of blading due to bolts cored To--Appvs contr's proposition for correcting defect. 12/27	DR
174831	12/27	NYS	Turbine turning elec equipment;corrects spare part list. To-- 12/30	
175181	12-31	NYS	Turbine bearing and bearing pedestal; Inspector has given tentative approval of plans submitted. To--Appvs' 1/5	DR

1916

178090	2-3	C&R	Turbine lifting gear; reenforcing plates in wat of; fwds plan. Retd--No action pending details. 2/9	DR
~~180147~~	~~2-21~~	~~NYS~~	~~Foundations for main engines.~~	~~DR~~
	2-26	C&R	Fwd C&R-- 3/3	
180203	2-25	C&R	Engine foundations; fwds plan with comment. Fwd C&R--Appvs with modf. 3/3	BR

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IDAHO: MAIN ENGINES. 563-9

Number.	Date.	From or To—	Subject.	
181689	3-14	NYS	Defectie packing gland bottom; fwds plan and contractors' request to be allowed to chip out spongy placed and fill with babbitt metal.DR To--Appvs contr's proposition. 3/22	
183309	3-30	NYS	Lagging main turbines; fwds tracing. D To-- Appvs. 4/7	
184087	4/4	C&R	Foundations for main engines; fwds prints.DR Retd-- Noted: 4/13	
184517	4-12	NYS	Turbine turning equipment; fwds plan of contactor and relay for.L	
187335	5-10	C&R	Main turbine lifting gear;DR To--No action at present. 5/11 To NYS--Reqt submission of plans. 5/11 Fwd C&R below 3rd Deck 5-29 To--Outlines scheme. 6/17 NYS reqt decision 7/18	
	To NYS--Appvs arrangment of strong-backs on top 3rd deck. 7/22			
188361	5-16	NYS	Lifting gear for main turbines; genl arrgt Tracings.DR TO NYS ppvd as mod 5-29 NYS contractors protest against carrying hoisting gear for main turbines thru 3rd deck 6-13	
189058	5-25	C&R	Main turbine lifting gear.DR Fwd C&R 5-29	
189037	5-22 5-24	American Steel Foundries Chester	Thrust shoes; reqt waiver.S Fwd NN--asks if material issatisfactory to NN Co 5/27 RR 6/1 To Phila-- Auth acceptance. 6/3	

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IDAHO: MAIN ENGINES. 1915

Number.	Date.	From or To—	Subject.
164894	8-31	NYS	Oil caps for bearing blocks; main turbines; tracing. DR To-- Appvs. 9/10
165463	9-9	NYS	Gear for testing steam glands turbines. Plan. DR To-- Appvs. 9/16
165508	9-9	NYS	Adjusting gear for HP ahead turbine. Tracing. DR To--Appvs. 9/16
165506	9-9	NYS	Turbine glands; overhauling gear. Tracing To-- Appvs.9/15
165942	9-13	NYS	Dummy clearances and micrometers for HP turbine; fwds tracing.DR To--Appvs.9/20
166243	9-16	C&R	Portable plates over eng rooms; plan.DR To-- Satisfactory.9/27
166543	9/23	C&R	Stowage of lubr. oils; reqt confirmation of amounts of dynamo engine oil. DR Fwd NYS--Confirms understandang.9/28
167213	9/27	C&R	Engine foundations; fwds plans.DR Retd-- Comments on. 10/5
167780	10-7	NYS	Turbine rotors; finger pieces; fwds plan.DR To-- Appvs.10/14

N.S.E. Form 134.

IDAHO: MAIN ENGINES 563-9

Number.	Date.	From or To—	Subject.	
167924	10-8	NYS	Reduction gear; details of and shaft. Tracing. DR To-- Appvs.10/15	
169494	10-26	NYS	Packing blocks and holding down bolts; reduction gear;DR To-- Appvs. 11/5	
169548	10-27	NYS	Main turbine exhaust valves; motor operating gear for. Fwds plans. To-- Appvs with modi. 11/2	
169581	10-26	NYS	Blade stops for turbine casings; submits tracing.DR To-- Appvs. 11/5	
169790	10/29	NYS	Turbine turning electrical equipment;fwds plans.DR To--Appvs with comment. 11/4	
~~171232~~ 171328	11-15	NYS	Turbine turning; elec equipment; fwds specns, prints,etc.DR To--Appvs with comment. 11/22	
171441	11/16	NYS	Turbine turning elec equipment; fwds plans.	L&D
172459	11-26	NYS	Reduction gear and turbine shafting; print.DR	
172640	11-30	NYS	Turbine exhaust valves; motor equipment for; prints.DC	

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IDAHO: MAIN ENGINES.

1915

Number.	Date.	From or To—		Subject.	
144826	1-15	NYS	138-3905	Rotor wheels; tracing.D To--Appvs with modi. 1/30	
145264	1-2o	NYS	192-3862	Rotors for turbines; fwds tracings.D To-- Appvs with modi. 1/30	
145221	1/25	Dept	28513-23	Authorizes changes to increase protection against mine attack; additional longitudinal bulkhead in engine room; arrangement of shafting and machinery	563-8
145788	1-28	NYS		LP ahead turbine casings; plans. D. To-- Appvs with modi. 2/8	
147337	2-12	NYS	463-3861	LP turbine casing; plan.D To-- Appvs. 2/20	
148791	3-4	C&R	87-B-42;	assignment of staterooms; fwds print.DR	563-8
149469	3-10	NYS	745-3861	Cruising turbine casing; fwds tracing. DR To--Appvs. 3/19	
149886	3-15	NYS	812-3861	HP astern turbine casing; arrgt and details; tracing. DR To-- Appvs. 3/22	
151411	4-3	NYS	989-3861	Nuts for main engine; reqt ~~print~~ authority to change from mild steel to wrought iron. DR To-- Appvs. 4/6	

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IDAHO: MAIN ENGINES. 563-9

Number.	Date.	From or To—		Subject.
152356	4-9	NYS	1095-3861	Turbine blading; fwds tracing.DR To-- Appvs. 4/22
156817	6/4	NYS	1618-3865	Main turbine bearing blocks; fwds tracing.DR To-- Appvs. 6/11
158134	6-15	NYS		Packing glands for main turbine; tracing.DR To-- Appvs. 6/24
158147	6-15	NYS	1227-3865	Brasses for turbine bearings; tracing. DR To--Appvs. 6/24
158452	6-18	NYS		Adjusting blocks for main turbine; print.DR To-- Appvs. 6/28
158662	6/22	NYS	1787-3865	Securing engines in vessel; method followed changes specns.DR To-- Appvs. 6/26
158922	6-23	NYS		Test gear for turbines; tracing. DR To-- Appvs. 7/2
159478	7-1	NYS	1889-3894	Lub oil coolers; plan.DR To-- Appvs. 7/12
161542	7/25	NYS		Error in drilling bolt hole in high pressure top casing; fwds tracing and reqt acceptance .DR To--Appvs with comment.8/6
162390	7/30	NYS		Training gear for main engines; fwds arrgt plan.DR To -- appvd 8-18

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Number.	Date.	From or To—	Subject.	
634844	9/27	Pac Fleet	Fwds letter from CO IDAHO stating guards for gauge glasses on boilers unsatisfactory D	658-5
647775	10/20 10/25	CO Pac Fleet	Report covering renewal of furnace brick work of boilers by ships force Y	
649037	11/17	Dept	Copy letter CO rel to elimination of fuel used Y	
654832	12/18	Pug Snd	Proposed arrangement of low pressure vacuum plant. Fwds prints D To Pug Snd Plan appvd 1/8/23	

Number.	Date.	From or To—	Subject.	

IDAHO: BOILERS 1920

Number.	Date.	From or To—	Subject.	
490072	5-20	To Dept (Operations)	Fwds correspondence in conn with blowers forced draft, maximum safe speed for continuous operation, N.M. IDAHO and MISS. Db copy Pac Fleet To Pac Fle 5/20	766
525190	9;13	CO	Calls attention to fire in cork insulation underneath splinter deck-fwdx side of No.2 boiler room-such material should be non-combustible.Y Fwd C&R. 11-3	
527229	9;13 11;3	CO C&R	Jamming of fire room blower dampers-report covering.D To CO (T) automatic hutters in forced draft blowers or doors at bottom of vent trunks 11-23 C&R- Jamming of previous blower dampers- copy of letter to Fleets - 11/20 D Tel---CO IDAHO-dampers are automatic shutters-11;24 D Fwd C&R 11-27 Pac Flt-12;4-D	
533858	12;9	CO T	Request coils and ferrules for evaporator be furnished.Y To CO (T) Gives inform 12-17 CO-T-request shipment of coils be made to Panama-12;18- To Ports (T) Place on bd Forty Coils for Reilly surmerged eva change of mat sheet ack cc CO IDAHO PROTETUS 12-20	
573519	10;22	CO IDAHO	Boiler drums in perfect condition.D	562-10

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N.S.E. Form 134.
IDAHO BOILERS

1922

Number.	Date.	From or To—	Subject.	
615938 m	6/2	Pacf Fleet Request	Request nec material for renewing bricks of IDAHO boilers be fur Mare Isl. Y	603
632236	7/19	To Pug Snd	Alterations to Distilling Plant- Fwds Plan- CC Operns- Squad 4- CO- DB Y To Comdt Pug Snd- Fwds inform on alterations 8/31 Db	
637657	8/5 8/9	CO Pacf. Fleet	Recommends experimental combined evaporator feed and brine pumps be not installed. D. Pug.Sd. (T) Request instrns cov instln of distilling plant pumps. 8/31 D.	
Eng 353	8/17	To Griscom-Russell Co	order- contract gives inform Dn R	
637357	9/1	To C-I-C Pac Fleet	Alterations to distilling plant on IDAHO Db Y cc Pug Snd Bat Sqd 4 CO IDAHO Db Y	

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IDAHO: BOILERS

Number.	Date.	From or To—	Subject.	
402257	3;13	C&R	Fwds contr. protest against repair of bituminous composition in reserve feed tanks states due to work being performed by Bu. S.E. Fwd C&R. 3-24	
445489	9/8 Inspr NYS-9;29 Inspr NYS 10-29	CO	Evaporating plant-unsatisfactory performance-reports on - DY To Inspr NYS- Fwds copy of unsatis operation of evaporating plant and reqts bring to attention of contractors. 9-15 To Bd I&S- Fwds copy of CO letter. 9-16 NYS - states will take up with contrs regarding unsatisfactory evaporators -9/24	
445846	9/17	CO T	Reqst steam turbine forced draft blower-must turn clockwise. To(T)- Turbine covered by Bureau reqn106 to be shipped from Hartford in two weeks. 9-19 CO-asks if turbine plans shipped-11;11 To- Forced draft blower shipped Nov.5th.	11-21
195124	FROM	CARD 4	Sheldon's Ltd. 10-15 Rqst copy of report of test #650.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
452774	10-16	Inspr NYS	Arrangement, Operating and Capacity of Evaporating and Distilling Plant- Estimate of increased cost.	D
464429	12;15	Inspr NYS Fwd Solicitor. 12-24RB 12-30;	Change in fire room arrangement from 12 to 9 boilers.fwds estimated increase in cost.D	
464431	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Installation of additional turbo feed pump,providing one feed water heater for each fire room,omission of one auxiliary feed pump with necessary fittings, etc-fwds estimated increase in cost.D	
464432	12;15	Inspr NYS	Substitution of "Lagonda" air type for water type,boiler tube cleaners-fwds estimated increase in cost.D	
464443	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Changes in arragement operation and capacity of evaporating and distilling plant-fwds estimated increase in cost.D	
464511	12;15	Inspr NYS Fwd Solicitor.12-26 RB-12;31	Rearrangement of blower rooms-substitution of nine blowers capacity 26 8000 for twelve 20 000 cubic feet capacity-fwds estimated decrease in cost.D	
464437	12;15	Inspr NYS void see 13	Installation electric air heater in pump room-fwds estimated increase in cost.D	

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N.S.E. Form 134.

563 - 10 IDAHO: BOILERS 1918

Number.	Date.	From or To—	Subject.
309901	5-23	Inspr NYS	Fwds Terry drawings showing type G steam turbines for forced draft blowers. D To----Above approved. D 5/29
313640	6-11	To Inspr Camden	Approving plans re evaporating & distilling plant, D NYS - 7/25
320232	6-26	To Inspr Camden,	Rqst print of drain collector chamber D NYS - Fwds prints. D 7-8 To Inspr NYS plan approved 7-15
326172	7-12	NYS	Castings - water sealed - operating tank for evaporating and distilling plant - fwds prints. D To Inspr Camden, plans approved 7-17
370864	11;20	Ins. NY ship	Submits of poor condition in which valves and evaporators and distillers have been found recently on attempting to inspect. DS Griscolm-Russel Co - 11/27
Ins. Pitts. copy of instr. Griscom-Russ. 12;9 D NYS - fwds sketch showing cracked shell in defective evaporator - 1/10			
370846	11-22	Fwd Inspr Pitts	comments on evaporators&distillers, condtion of, D To NY. Fwds for informa&comments, copy of letter on condition of evaporators&distillers, 11-22 To Inspr. Pitts. Nov' 22 back Dec. 13

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[OVER.]

IDAHO: BOILERS.

Number.	Date.	From or To—	Subject.
282806	2-18	Inspector NYS	Arrangement of evaporating distilling plant - forwards prints. D To- Plans appvd. 3-13 NYS - 7/25 To Inspr NYS commenting on above plant 8-1
287815	3/8	NYS	Evaporating and distilling plant - request action on be expedited - D Inspr NYS - Request early approval. D 3-12
290588	3/18	NYS	Contrs request permission to use boilers for test purposes - D To- Contractor's reqt appvd. 3-20
295091			5th Dist - (T) have recd no material since 4/7 - request copy of letter signed Mohave- 5/1D
		565-10	
304979	5;1	Inspr N. Y. S	Refurnishing mud drums for boilers requested Contractor requested to furnish 4. D
369108	11-16 1;22	To Inspr Camden NYS	authorized safety valve settings for boilers, D To- Directs purchase new safety valve springs for the boiler safety valves. 1-24

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IDAHO: BOILERS:

Number.	Date.	From or To—	Subject.
220346	4/2	To NYS	Forced draft blower steam control valves; regulation of. Fwds plan snowing arrgt of auxiliary steam and exhaust piping in fire rooms. NYS states material was overlooked after reference to Mr. Lovekin 4/3
229732	5/22	NYS	Alterations to boioer furnace linings - change in cost D To—Change appvd.5/24 To Gen Inspr--5/24
246505	8/28	Bd on Changes NYS	Alteration to boiler furnace lining; plugging old holes in casings for brick bolts and drilling new holes N
246742	8/30	NYS	Two additional distillers- asks if spare parts to be reqd for D To—Gives infor reqted.9/1
249286	9/14	Inspr NYS	Evaporating and distilling plant - additional distillers - fwds prints.D To—Plan appvd.9/22

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IDAHO: BOILERS: 563 -- 10

Number.	Date.	From or To—	Subject.	
249288	9/14	NYS	Pipe bending slab for workshop - fwds prints.D	
263497	11/23	NYS	Force draft blower steam control valves - fwds prints - D	
269130	12/22	NYS	Boilers - relative to belling of 4 inch circulating tubes and nipples in drums - D To- Omission of belling ap vd. 12-29	
270773	12/29	NYS	Feed system - re-arrangement of - fwds estimate change in cost - D To Phila Bd Changes.- 1-8	
270775	12/29	NYS	Change in fire room arrangement from 12 to 9 boilers - estimate change in cost - D	
273189	1/10	NYS	Distilling plant, check valves for vapor from evaporators - fwds prints - D To- Pl n appvd. 1-17	
277425	[redacted] 1-28	[redacted] NYS TO Bd Changes Phila. 2-2	Prospective engineering officer requests tube cleaners. D. To- Change appvd as an experiment. 2-2 NYS - fwds copy of letter to SHAW Insp enclosing copy of changes - 4/29 - N	

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IDAHO: BOILERS.

1916

Number.	Date.	From or To—	Subject.
206091	11-20	NYS	Evaporating and distilling plant; relative to requiring trap on second effect separator.D To--Above will be changed. 11/24
206442	11-23	NYS	Forced draft blowers; modification; plan.D To--Plan appvd. 12/2
207236	12-4	NYS	Modification internal feed pipes.D To--Perforated pipes will be retained. Est will be modified. 12/6
207494	12-4	NYS	Furnace linings for boilers; arrgt of brickwork,et. Plan.D To--Plan appvd. 12/13
207583	12-1	NYS	Boiler spares for; request instructions re shipping to Norf. D To Norf--Have auth NYS Co to ship spares to Norf. 12/8 To--Directs ship to Norf. 12/8
207714	12-7	NYS	Furnace linings for boilers; company claims necessity to plug up several thousand holes in casing and drill new holes due to Dept changing from 9x9 tiles should involve inc cost $450.D To--Grants permission to proceed with work.12/11

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N.S.E. Form 134.

IDAHO: BOILERS. 563-10

Number.	Date.	From or To—	Subject.
208690	12-14	NYS	Boil rs; tools and spares; list from B&W S To--Appvs list. 12/20
211324	1-11	NYS	Feed and filter tank; omission of head over feed pump suction; D To--Appvs omission. 1/16
214549	2-10	NY	Evaporator and distiller plant; arrgt plans; fwds tracings.D To NYS 2/21
215264	2-16	NYS	Smoke pipe; fwds plan.D. To--Appvs changes. 3/1
217957	3-13	Bd on Changes, NYS	Modificat on of runners for forced draft blowers to increas air pressure from 6" to 8"; inc cost.N Fwd Sol--Rec appvl.3/16 RB 3-28 T
217960	3-13	ditto	Modification of internal feed pipes in boilers; inc cost. N
219631	3/28	To NYS	Distilling apparatus, auxiliary exhaust connections to second effect evaporator steam heads and air pump for distillers. D To--Gives information.4/28
		To NYS--Install of 2 add'l distillers on appvd. 4/8	
220210	3-29	NYS	Evaporating and distiller plant; contractors and inspector state elimination of proposed traps and use of water seals dangerous.D To--Instrns.4/4

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Number.	Date.	From or To—	Subject.	
192253	6-29	NYS	Modification internal feed pipes boilers/ fwds plan. DR To-- Appvs. 7/6 NYS modifications internal feed pipes in boilers; estimate 7/12 To-- Change appvd 7/17 To Gen Insp--7/17	
193133	7/8	Bost	Evaporators: Hungerford Co state have agreement with Bureau permitting brass sheets for evaporator to be annealed all over	562-10
193272	7-11	B&W	Modification internal feed pipes. boilers.DR To--Work authorized provided inc cost does not exceed $500. 7/13	
193830	7/17	NYS	Evaporator room; location of coffee urn for night steaming watches.DR To--Directs be located in center engine room. 7/20	
195124 TO CARD 8	8-2	To NYS. To C.A.Webster- Fwds copy of report of test conducted on blower. Report confidential. 1-12	Quotes Exp Sta Test #650 covering forced draft blowers for; will be accepted. D To Annapolis- eqt additional copy of test. 11-27 Exp Sta - fwds data - 12/1 D	
195124	7/31	Exp Sta TEST 65 0	Forced draft blower; Terry Co; prelim report.D Sheldons Ltd---1/16.D fire tile	
198101	8-28	NYS	Special ~~firing tools~~ for boiler fronts; or bruners; tracing. To-- Appvs 9/6	

N.S.E. Form 134.

IDAHO: BOILERS. 563-10

Number.	Date.	From or To—	Subject.	
199798	9-18	NYS	Boilers; arrgt and details floor plates; plans.D To--Plans appvd. 9/28	
200474	9-27	Exp Sta TEST 650	Forced draft blower; second prelim report.D To Terry Steam Turbine Co.--Advises this blower was appvd subsequent to 1st preliminary. 9/29	
	To NYS--Change appvd. 2/8 To Gen Inspr--2/8		NYS est inc cost 2/13	
201205	10/5	To NYS	Forced draft blower air pressure. Bu will require blowers be capable of supplying required amt of air against a pressure of not less than 8" of water. Reqt est inc cost.D	
	Fwd Dept--10/21 RB 1-24 To--(T) Auth changes in forced draft blowers. 10/21 NYS recommends teat fan at Exp Sta 11-11 To--Test fan at NYS--11/15		NYS have taken up changes f-d blowers with manufacturers 10-12 NYS fwds contrs' estimate 10/20	
201407	10/5	NYS	Arrangement in detail ladders and gratings for fireroom.D To--Plans appvd. 10/16	
201803	10-9	1 NYS	Furnace linings for boilers; plan.D To--Plan disappvd with comment. 10/17 NYS request copy of certain corres 10/18 To--Fwds correspondence. 10/21	
204475	11-15	Griscom Russell Co	Evaporator heats; recommends approval of substitution comp G in lieu Nr Brook request action 12/27	562-10 ~~11-15~~
205941	11-15	Exp Sta TEST 650	Forceddraft blowers; Terry Co. Fwds report.DS To Terry Co--Fwds copy of report on test.11/23 Terry Co request additional copy 11/29 To Terry Co--Fwds copy. 12/13	

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IDAHO: BOILERS: ETC.

1916

Number.	Date.	From or To—	Subject.	
178135	2/1 2/4	Terry S. T. Co. Exp Sta	Fwds bill of lading covering shipment of turbine for forced draft blower sets, for test. D	
178358	2-10	NYS	Feed and filter tank; arrgt and details; plan. DR To-- Appvs with modi. 2/16	
180823	3-10	Exp Sta	Forced draft blower set; reqt copy of contract covering. D. To--Fwds copy of order covering. 3/8 Exp Sta returns 3-11	
183796	4/5	NYS	Boilers; care and preservation of; fwds correspondence with contractors relative to coating of tubes with fuel oil. DR	
184792	4/13	NYS	Hoist in fireroom; arrangement and details; fwds tracing. DR Fwd C&R-- For comment. 4/19 RB 4/29 To-- Appvs with modi. 5/3	
185017	4/17	B&W	CUYAMA; oilfired boilers; B&W Co understand Bureau will adopt standard fire brick; states will necessitate allowance for increased weight; applies also boilers for IDAHO, MISSISSIPPI, etc	576-10
185287	4-19	NYS	Forced draft blowers; Keith type; resubmits plan. DR	
185551	4/20	Brook	Evaporators; difficulties in determining quality of hot rolled naval brass sheets for; fwds correspondence	562-10

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IDAHO: BOILERS: ETC. 563-10

Number.	Date.	From or To—	Subject.	
186722	5/3	C&R	Rearrangement of fire room access; fwds print .DR	
187107	5-5	NYS	Uptakes in smoke pipes; fwds detailed plans.DR To— Appvs with modi. 5/12	
187110	5-5	NYS	Uptakes above 3rd deck; fwds plan. DR To— Appvs with modi. 5/12	
187657	5-10 5-12	Worth Bros Phila	Plates for uptakes; request waiver in deficiency in thickness SDR Fwd NYS--Asks if material satis.5/13 RB 5/17 To Phila-- 5/18	
188098	5-18	To NYS.	Switchboard; directs plans for generator panels be developed in accordance with Bu sketch 40-B-SK-2700. L	563-5
188820	5-23	NYS	Arrgt and details; fwds plans.DR TO -- appvd 6-2	
189356	5-26	Pitts	Fwds copies of corre relative to flanges for evaporators	562-10
189701	5-31	NYS	Floor plates in fire rooms; tracing. DR To-- Appvs. 6/7	
190427	6-10	B&W	Fwds contractors estimated increased weight on account of change in furnace brickwork in oil fired boilers.DR To--Waives inc weight. 6/17 To NYS--Ditto. 6/17	

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IDAHO: BOILERS:ETC.

Number.	Date.	From or To—	Subject.	
163128	8/6	C&R	Boiler settings; fwds plans and comments.DR Ref: C&R satisfactory 8-18	
163211	8-11	NYS	Boiler mountings; arrgt tracing.DR TO -- appvd 8-20	
163874	8/19	NYS	Forced draft blowers; detailed plans; fwds.DR To 8/26	
NYS asks if satis 11-9		To--Lists spares req.11/1	To-- Fwds prints. 11/2	
163962	8-21	TO NYS	Arrnagement of fire brick in boilers; will be modified.	
165459	9-8	NYS	Boilers; arrgt and details; fwds plans.DR To--Appvs. 9/16	
165764	9-14	B&W	Fire brick for boilers; reqt report on trouble on KANAWHA	562-10
166672	9/23	C&R	Fireroom and engine room hatches; fwds revised plan. DR	
167476	10-5	NYS	Forced draft blowers; reqt auth to substitute class B cast steel for cast iron in hubs of fans. DR To--Appvs as modi. 10/7	
167777	10-7	NYS	Font plates boilers; fwds arrgt plan.DR To--Appvs.10/14	
167779	10-7	NYS	Distillers; fwds plans.DR To-- Appvs. 10/14	
168154	10-11	NYS	Evaporator ~~for~~ [redacted] feed water heater; plan.DR TO -- appvd as mod 10-19	

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IDAHO; BOILERS. 563-10

Number.	Date.	From or To—	Subject.
168941	10-15	C&R	Boiler foundations; plan.DR
171568	11/17	NYS	Boiler tie rods; arrgt in detail; fwds tracings.DR To-- Appvs 11/26
172304	11-26	NYS	Boiler casings; reports receipt of; part galvanized and part not; reqt future specns call for all plates to be galvanized.DR To--11/30
172450	11-26	NYS	Feed water heaters; fwds plan.DR To-- Appvs with modi. 12/8
174466	12/21	NYS	Forced draft blowers; test of at Exp Sta; contractors ask if necessary to have this test made.DR To--Test necessary. 12/24
			1916
175618	1-7	NYS	Copy of letter to Inspr Pitts requesting steel plating and feed and filter tanks be expedited. DR
176999	1-21	NYS	Evaporator room; proposed arrgt of machinery; fwds plan with comments.DR To-- Appvs with modi. 1/28
177853	2-1	NYS	Forced draft blower casings; arrgt automatic dampers,etc; fwds plan. DR To-- Gives Bu file number for. 2/8

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IDAHO: BOILERS:

Number.	Date.	From or To—		Subject.
142069	12-14	To NYS		Change in fireroom arrangement; substitution of 9 boilers in place of 12, etc. D To--Fwds vandyke of. 12/24 NYS refuses to accept responsibility for boiler perfrormance; also goes on record claiming delay 12-23 To-- Comments. 12/29
143073	12-24	NYS	3687-3866	Fire room; hoises arrgt and tools; detail of engine. D To--Appvs. 1/6
			1915	
143851	12-22 1-5	NYS Co. C&R		Claims delay and damage if change made in boiler arrgt in fire rooms. DN Fwd Dept--Will be informed when matter has been finally determined. 1/9
146904	2-10	NYS	424-3958	Boilers ordered from B&W Co called for 11,000 less heating surface than specified by Bureau letter Dec 24; reqt instructions. D To--Satis to Bu as called for be the order. 2/12
147167	2-17	To NYS.		Arrangement of boiler compartments; fwds plan of. D
148137	2-24	NYS	493-3851	Arrgt boiler compartments; asks if feed water heaters to be installed. D. To--Instructions. 2/27
149848	3-15 3-16	B&W NYS		Boiler compartments; reqt plans. DR To NYS-- Have been furnished B&W. 3/18 To B&W-- Fwds. 3/18
151563	4-5	NYS	993-3859	Boilers; arrgt and layout of; plan. DR To-- Appvs. 4/8

N.S.E. Form 134.

IDAHO: BOILERS. 563 — 10

Number.	Date.	From or To—	Subject.	
155259	5/14	NYS	Boilers; fwds prints and details.DR To--Appvs. 5/22	
155736	5-21	NYS	Forced draft blowers; Terry type plan; fwds.DR To--Appvs. 5/26	
155874	5-25	NYS 1493-3869	Forced draft blowers; contractors propose 9 in lieu of 12; gives capacity.DR To-- Appvs with comment. 5/27 To Gen Insp-- 5/27	
155973	5-26	To NYS.	Standard fire tile at fuel oil burners; fwds print on. D	
156740	6-4	To NYS.	Forced draft blowers; should be fitted with some means for keeping them at same speed; take up matter in connection with making up specfns for. D	
157028	? 6-7	Wallace, W.C. Pe Brook	Keith fans; all future orders mfg by Greene Fuel Economizer Co. Desires to have made by Canadian representative alm material inspected in US. DRS To Brook--Appvs reqt. 6/9	
158573	6-21	NYS 1779-3968	Asks if forced draft blowers are to be tested at Exp.Sta. DR To--Test will be required. 6/26	
158717	6/17	Seattle	VOID	
158717	6/14	C&R 181	Fire room hatches, vent openings, etc, fwds plans, comment.DR Retd--Satisfactory. 6/29	
160355	7-12	B&W	Proposed change in method of riveting and caulking to prevent action by boiler compound	562-10

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563-11

IDAHO: AUX MACHY 1921 Duplicate 3

Number.	Date.	From or To—	Subject.	
562427	5/6	C&R	Copy of telegram to Puget Sound asking if Steamer 5435 for New Mexico & Steamer 5436 for IDAHO have been placed on naval supply acct. Y	611-1
Idaho Rqn	3 9/30	To CO	Storage batteries for motor boats starting and lighting- CC Ptg Snd L R	
599968	12/10	C&R	Copy of telegram to MI authorizing issue 35' motor boat to IDAHO Y	611-12
599569	12/8	CO IDAHO	Copy 35' motor boat 2849 completely wrecked. Request M.I. issue new boat Y	611-12
601840	12/23	C&R	35' motor boat 6224 selected for shipmt to CO IDAHO Y	611-12
604683	1/9	CO IDAHO	Report on changes in power boat mcahy Y	611-12
610041	2/16	JAG	Report covg destruction of motor boat 2849 assigned to IDAHO Y	611-2

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N. Eng. 134

IDAHO AUX MACHY 1922

Number.	Date.	From or To—	Subject.	
611320	2/14 2/25	JAG C&R	Report covg destruction of 35' motor boat 2849 on board IDAHO Y	611-12
621178	4/29	CO IDAHO T	Unable to secure delivery of cylinders for Van Blerck engine from M.I.	611-2
644756	9/25 10/4	CO IDAHO Pac Fleet	Submits report covg fire in motor boat DY	611-2

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563-11

IDAHO: AUXILIARY MACHY 1920 2

Number.	Date.	From or To—	Subject.	
512369	8/18	C&R	Copy of telegram to Puget Sound authorizing issue motor sailer 8477 to IDAHO: Y	611-2
523633	10/19	To CO IDAHO	Fwds bprints, covering Poole turbine unitn as installed in 50' steamer 5436 which has been assigned to IDAHO. DS	611-1
526966	11/2	S&A	Copy of letter to Coast Guard Balto requesting 2 motored life boats be shipped to C.O. IDAHO: Y	611-2
526852	11/1	C&R	Copy of letter to S&A directing delivery of 26' motored life boats to C.O. IDAHO instead of C.O. NEW MEXICO. L	611-2
527893	11/5 11/6	Coast Guard S & A	Will ship 26' surf boat 1588 to C.O. IDAHO instead of #1584. Y	611-2
532461	12/2	C&R	In conn with 26 ft motor life boats for IDAHO MISSISSIPPI TEXAS & ARIZONA. Y	611-2
535638	12/18	Dept	Copy of tel to MYIS assigning 35' motor boat to IDAHO. To CO IDAHO) Gives action. 12/18	6 1-12
554479	3/28	C&R	35' Motor Boat 2849 to CO IDAHO Y	611-12
440-21	4/7	To CO IDAHO	Rel to parts for Kermath engine. Ye R	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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IDAHO: AUXILIARY MACHINERY.

1916

Number.	Date.	From or To—	Subject.	
183458	3/30	C&R	Assigns motor boat 2851	611-2
187559	5-5	Hyde Windlass Co	Fire room hoists; requst approval of use Hyde bronze in lieu of comp G, DR To Bath--Auth acceptance. 5/16	
199647	9/18	C&R	Motor boat 285k-2 building for Idaho, assigned aero Sta. Additional boats ordered built at Ports to replace. Y	4007-8 611-2
1917				
212739	1/20	Ports	Request assignement of motor boat 4007 to Industrial Dept and 4009 be assigned to IDAHO, in lieu of; requires for L-8 tests and spark plugs, etc	611-2
244948	8-21	C &R	IDAHO: assignment of boats.	611-2
259594	11-8	Phila	Reports receipt of motor boat 3432, Sterling engine 3413 from the IDAHO. Y	611-2
			C&R - directs Phila issue motor boat 3432 to BUSHNELL; motor boat 2100 assigned IDAHO 11/16 -	
334451	7/31	C & R	Copy of shipment order covering 35' M B from Ports to NYSB Co for IDAHO	611-2
364508	10/31	C&R	Cpy letter to Portsmouth in connection with assignment of 35' motor boat destroyer to Idaho and vessel rec'd 508 steamer. Y	611-1

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	
371433	11/22	C&R	35' motor boat 7774 assigned to IDAHO. Y.	611-2
377711	12/14	Phil	40 foot sailor 3148 appointed to IDAHO. Y	611-2
401640	3/11	Phila	40ft motors sailing launch 6997 completed ans assigned to IDAHO Y	611-2
453337	10/23	To IDAHO	Asks correction be made log quarter ending 6/30 giving engine installed in hull 7027 to be 7028 and engine in hull 7774 No instead of 3587- Y copy Logs and Recds.	611-2 3887
SE 265	10/29	To CO	Appvl of reqn. Asks if matrl recd with engine if yard made expl of absence of matrl.	Rh
455040	10/30	To IDAHO	Records show engine in hull 3059 to be 7027 Eng in hull 7774 to be 3887 instead of 3587. Reqst correction. Yb	611-2
459389	11/22	Mare Is (T)	IDAHO request shipment of one complete Van Blerck engine for motor boat; Y.	611-2
487671	4/13 4/15	Pacific Fleet (T) C&R	Recommends 50' steamer and 2, 35' motor boats be authorized for NEW MEXICO & IDAHO; Y	611
511224	8/13	To IDAHO	50' steamer 5436 boiler number Y	611-1

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1917

IDAHO: CONDENSERS.

Number.	Date.	From or To—	Subject.
229734	5/22	NYS	Auxiliary condenser air and circulating pumps - decreased cost due to omission D To Gen Inspr--5/24 To--Change appvd.5/24
246506	8/28	Bd on Changes NYS	Omission of auxiliary condensers, air and circulating pumps, and connecting auxiliary exhaust to the dynamo condensers and first effect evaporator coils N Fwd Sol--9/1 R B 9/8
262760	11/22	NYS	Condenser tubes - relative to shipment - D
2 303957	5/1	Inspr N Y	Main condensers, fwds blue prints showing holes in tube for ferrules improperly drilled D To- Main condensers accepted with comment. 5-8
304155	5;3	Inspr Bd	Fwds copy of letter from N Y S. Tube sheets inproperly drilled in main condensers D

N.S.E. Form 134.

IDAHO: CONDENSERS 563 - 12

Number.	Date.	From or To—	Subject.	
5 384505	1/14	NYS	Dynamo condenser - fwds prints showing modification and location to cracked tubes-D To- Method appvd. 1-17	
388694	1;18 1;24	Bridgeport Brass Co. NYS	Condenser tubes waiver of compression test S To Inspr Hartford-Reqts that tubes submitted be rejected. 1-28	
9 388606	1;28	Ins. NYS	Fwds copy of contractors letter reqsting waiver of completion of test on condenser tubes S To(T)-Comenser tubes accepted. 2-4 To Inspr Hartford-(T)-Accept condenser tubes for IDAHO NYS order etc. 2-7	
425651	6/14	N.Y.	Main condenser details- fwds prints. D.	
537974	12/31	C&R	Copy of letter to CO IDAHO requesting statement of construction, 35' motor boat 7774. Y	611-12

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[OVER.]

IDAHO: CONDENSERS.

1915

Number.	Date.	From or To—		Subject.	
150821	3-27	NYS	932-3863	Main condensers tube sheets; states unable to secure except from Munson Co. England. Who will not supply unless accepted before shipment. DR To-- Comments on· 3/29	
158761	6-22	NYS	21786	Condensing plant; proposed to install Westinghouse air ejector and condensater pump in lieu of augmenter. DR To--Action pending reulst of tryout on MELVILLE. 6/29	
159100	6-25	NYS		Main condenser; fwds tracing. DR To-- Appvs with comments· 7/6	
159688	7-6	To NYS.		Auxiliary condensers, air and circulating pumps; directs omission of; dec cost. D	OVER
163638	8/17	Exp Sta		Condensing plant; reqt data concerning air pumps, piping, etc, in connection with Westinghouse air ejectors and augmentor system. D Ref· N.Y.S. for data 8-23RB 1/26/16 To NYS-- Reqt action· 10/7 NYS data not received 10-8 Fwd Exp Sta-- 1/28 RB 2/2	
186023	4-27	NYS		Fwds plans of Westinghouse air ejectors and condensate pumps for dynamo condensing plant. DR To-- No action at present· 5/5 To NYS appvd as mod 6-1	
195509	8/2	NYS	VOID	Turning gear for main engines; resubmits plans. D	

N.S.E. Form 134.

IDAHO: CONDENSERS. 563 -- 12

Number.	Date.	From or To—	Subject.
195494	8/2	NYS	Vacuum augmentot system; arrangement in detail; fwds tracing.D To-- Appvs with comment. 8/15
196452	8/11	NYS	Westinghouse condensata pump and air ejector; fwds plan.D TO -- appvd 8-23
159688		OVER	To NYS--directs installation of combined pressure and vacuum gauges for auxiliary exhaust pipes in dynamo condenser rooms at inc cost 8/28
198470	8/31	NYS	Augmentor condenser; resubmits tracing.D To-- Disappvs.9/12
203148	10/18	NYS	Augmentor condenser; resubmits tracing; tracing received in damaged condition.D To--Plan appvd with modi and comment. 10/26
			1917
221903	4-9	Westinghouse	Report of inspection of air ejectors; fwds curves. S To--Accepts pumps.4/14
226214	5/2	NYS	Dynamo condensing outfit, Westinghouse-LeBlanc air ejector; fwds print.D To--Plans appvd.5/12

NB—0120

[OVER.]

IDAHO: HEAT VENT & REFRIG

Number.	Date.	From or To—	Subject.	
421197	5/17	Inspr N.Y. Ship	Request location of ice cream freezer and hardening cabinet. Submits estimate increased cost L.	563-5
438065	8/6	Inspr NYS	Addition of power mains for ventilating set in laundry- fwds contrs estimate. D&L	563-5
452779	10-16	Inspr NYS	Refrigerating system. Re-location of ice cream freezer, solidifying tank, brine circulating pump, etc. in potato peeler room- Estimate of increased cost.	D
452813	10-16	Inspr NYS	Air pipe pass from ice boxes to scuttle butt line- Submits estimate of increased cost.	D
464437	12;15	Inspr NYS	Installation of electric air heater in pump room-fwds estimated increase in cost.	D
464449	12;15	Inspr NYS	Relocation of ice cream freezer solidifying tank brine circulating pump etc in potato peeler room-fwds estimated increase in cost. Fwd Solicitor. 12-26 RB-1;2	D

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563-13: IDAHO: HEAT VENT REFRIG:

Number.	Date.	From or To—	Subject.	
464466	12 ;15	Inspr NYS	Fitting of by-pass from the ice machine discharge directp to the scuttle butt supply line.fwds estimated increase in cost.D	
464517	12;15	Inspr NYS	Installation of portable and fixed type electric air heaters-fwds estimated increase in cost.D Fwd Solicitor. 12-24 RB 12-30;	
		1921		
600903	12/17	CO (T)	Request immediate shipt of one primer and pump with spares for Allen Ice machine. Y To Pug Snd (T) arthd 12/19 To CO (T) no spare primer pump on hand at NI Pug Snd arthd to manufacture complete pump 12/19 Pug Sd.- Pump completed ready for shipt 1/13 Y	

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[OVER.]

IDAHO: HEAT: VENT: REFRIG.

Number.	Date.	From or To—	Subject.
300400	4-22	C&R	Ventilation plans for storage battery room - fwds plan. D
340061	8-20	NYS	Relocation ice cream freezer etc. fwds print - D To Inspr Camden, plans approved, 8-30 Inspr NYS- 11-4 Fwds plans D
300057	10-2	To Inspr NYS 14	Rqst inform re del of spare propellers, 10-2 Y NY. relative to furnishing additional spare propellers in March. 10;16 D To Inspr Camden, Re spare propellers: 10-22
355203	10;3	C&R	Ventilation in fire- rooms fwds prints D Fwds C&R, 10-11
364916	10;21	Ins. NY ship	Drains from Laundry economy heaters and steam tables; fwds. contractors letter in connection with proposed changes D To Dept., drains from laundry and steam tables, 11-6 To Inpsr., Camden, Drains from laundry economic heaters and steam tables, 11-6 To Dept. Nov. 6 back Nov. 15 Inspr NY Ship Dec. 11
367253	11-14	Fwd C&R	ventilation of fire rooms, D

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563- 13 IDAHO: HEAT VENT: REFRG.

Number.	Date.	From or To—	Subject.	
377772	12;14	C&R	Ventilation of radio rooms req. auth. to install portable generating set in D&W	
395029	2;13	NYS	Electric air heaters ; states those delivered are 120 volts in lieu of 230 volts. L	
	To- Replacement of heaters to be taken up with Phila yd. 3-4 Copy to CO and I.M. Ny		To- Reqts the 120 volt heaters be removed and the 230 volt heaters replace same at contractor's expense. 2-25	
			Ins. NYS req. Yd replace heaters. 2;26 To NY- Gives detail instructions for installation of electric heaters. copy to CO 3-4 to Comdt Phila- Has auth removal of heaters from the vessel and returned to Phila Yard, copy to NYS &d NY. N.Y. Ship 3-6	
412179	4;7	Ins. NYS	Installing elect. air heater in pump room - estimate of increased cost L To- Change appvd. Referred to Bd Changes. 4-22	
415702	5-2	NYS	Installn of portable and fixed type elec air heaters- Fwds estimated increased cost- L To- Change auth and referred to Bd Changes. 5-19	
	Fwd Solicitor. 5-9 RB 5;14			

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IDAHO: HEAT: VENT: REFRIG.

1916

Number.	Date.	From or To—	Subject.	
190019	6-5	C&R	Ventilation plan; fwds. D R Retd--Arrangement satis. 6/17	
190621	6-9	NYS	Heating system; ventilators; heaters; fwds plan. DR	
204378	11-2	NYS	Refrig system; arrgt plans.D To--Plan appvd with modifi and comment. 11/10	
204952	11-8	NYS	Relative to proposed reduction in cost under SE by reducing endurance test vent sets. D To--Concurs with. 11/10	
207266	112-8	C&R	Engine room ventilation; fwds plans.D Fwd C&R--Plans satis. 12/8	

1917

212512	1-23	NYS	Heating system; arrgt; and details; tracing.D To--Plans appvd with modif and comment. 2/9	
214333	2-9	NYS	Elec heaters; omission of; est dec cost.L To--Change appvd. 2/15 To Gen Inspr. 2/15	
215846	2-24	C&R	Ventilation of storage batteries; fwds instructions.L	
217966	3-13	Bd on Changes, NYS	Omission of elec heaters in the after torp room; deccost.N	

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IDAHO: HEAT. VENT. REFRIG. 563 -- 13

Number.	Date.	From or To—	Subject.	
224437	4/24	NYS	Heating system, installation of valves under 3rd deck.D To NYS--Change apprvd.4/24 To Gen Inspr--4/24	
237974	7/11	NYS	Steam traps for heating system - fwds prints D To--7/13	
246507	8/28	Bd on Changes NYS	Heating system - Installation of valves under 3rd deck aft of bulkhead No 127 N	
266322	12/10	C&R	Turrets - ventilation of storage battery room - fwds prints Fwd C&R-via Ordnance-12-29	
282171	2-15	NYS	Proposed location of aditional elec. air heaters. D&L. To- Locations satis. 2-28 Inspr NYS - Fwds prints. L 3-15	
296992	4/12	To NYS	Ventilation heaters. Location of Humidostats for. Instrns in connection with. D	

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[OVER.]

IDAHO: HEAT: VENT REFRIG.

Number.	Date.	From or To—	Subject.	
140203	11-21	J. & E Hall Co.	Refrig machy; reqt description. D To-- Cannot furnish to sub-contractrs. 11/23	
		1915		
148427	2-29	NYS 623-3893	Ice machine; Allen dense air type; reqt approval.DR To--Appvs with modi. 3/3	
148526	3-1	NYS 366-264	Elec heaters; method of handling drawings.D To-- I structions. 3/10	
151422	4-2	Roelker, H.B.	Ice machine; reqt authority to use 5 castings now hand and class E in stead of D for certain other. DR Fwd NYS-- For comment. 4/5 RB 4/16 To Brook-- Instructions. 4/17	
159981	7-8	NYS	Elec air heaters; fwds GE specns. To--Appvs. 7/12	
162283	7/30	NYS	Heating system ventilation heaters; fwds print.DR To--Appvs with comment.8/9	
162389	7/31	C&R	Drainage system; fwds print.DR	
162554	8/3	C&R	Ventilation; heater boxes for.DR Retd-- See 162059-562-13. 8/9	
166000	9-16	C&R	Reqt comment on proposed cooling of magazines by forcing air over ~~heated~~ cooled pipes	700-2

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IDAHO: HEAT: VENT REFRIG. 563-13

Number.	Date.	From or To—	Subject.
168068	10-5 10-12	NYS C&R	Ventilation heater boxes; DR. To--Change satis. 10/14
171378	11/16	NYS	Heating system; lagging and covering for pipes; fwds contractors letter requesting change in specifications.DR To--Appvs. 11/18
172782	12-2	C&R	Ventilation heaters.DR TO - NYS reqt comments 12-15 Fwd C&R--Comments on. 12/22
174192	12/17	NYS	Heating system, ventilation heaters for; resubmits plans and specifications.DR To-- Appvs with modi. 12/22
177510	1-27	NYS	Reqt complete set of drawings Allen Dense air ice machine.DR To--Fwds. 2/8
179592	2-18	C&R	Ventilation plans; fwds DR Retd-- Appvs with comment. 3/2
179764	2-21	NYS	Ventilation heaters; request authority to furnish semi steel in lieu of class B.DR To--Appvs. 2/24
182465	3-22	C&R	Hull ventilation; fwds plans and comments/ Retd--Plans satis. 3/22
184964	4-13	C&R	Ventilation; fwds plans.DR
187718 VOID	5-12	C&R	Co

1918

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IDAHO: PROPELLERS 1919 4

Number.	Date.	From or To—	Subject.
417316	5;9	MS	Additional changes - service telephone due to omission of voice tubes ; increased cost L
419434	5-20	To S.O. Ny	Propellers. Gives information re pitch etc. Yh N.Y. 5-24
464433	12;17 Fwd Solicitor. 12-24	Inspr NYS RB-12;31	Furnishing two additional spare propeller wheels-fwds estimated increase in cost.D
503809	6;10	M IS	Propeller report.Y
514469	8;25	Pug Sd	Propeller data-fwds.Y
606817	1/20	MI	Propeller report. Y

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1919

Number.	Date.	From or To—	Subject.	
645623	10/11	Pug Sd	Propeller report Y	

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IDAHO: PROPELLERS.

Number.	Date.	From or To—	Subject.
228314	5/14	Phila	Comments on photomicrographics of propeller shafts S Fwd NYS--5/15 RB 5-19
262718	11/21	NYS	Contractors have returned template of bore of hub for propellers - D
280313	2-7	NYS	Propeller fwds. print. D.
300057	4-23	To Dept	Urgently recommended two additional spare propellers be provided at an additional cost not to exceed $20,000; reqts action to include MISSISSIPPI D To Insp. Camden. Directs manuf. of 2 add. spare propellers. D 5/4 To Depat 4;25 received back 5;1 L NYS - submits cost - 5/22 - D To Inspr Camden, re Propellers two additional spares, 5-25 To Inspr Phila, Approving cost re two additional propellers, 5-25
317804	6/19	to NYS	Asks if orders for shafting for Battleship #42 (Idaho) have been placed and with whom 710
340061	8-21 12;28	NYS NYS	Propeller measurements - fwds prints - D To Inspr Camden- Fwds forms 4 1/4 Ins. NYS fwds propeller measurements 1;16;19

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IDAHO: PROPELLERS 563 - 14

Number.	Date.	From or To—	Subject.	
340062	8-21	Inspr NYS	Fwds propeller measurements - DR	
300057	10/2	To Inspr NYS	Reqst info re del of spare propellers 10/2 Y	
				563-13
		1919		
384297	1/9	NYS	Fwds memo shipment covering propeller paterns to Phils Yd - D	
396064	2;17	Ins. NYS	Submits report on capacity of temporary cast iron propellers D To- Directs that speed of 12 knots be not exceeded. 2-25	
405599	3;25	Ins. NYS	Copy of let. to NY advising of shipment of manganese bronze propeller wheels for D&Y	
407233	3;31	Dept	Copy of tel. to NY making ship available for dry docking and installation of propellers Y To Ind Mgr N Y - Rqstd installn be made while vessel is in dry dock- 4/5	

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IDAHO: PROPELLERS: 1916

Number.	Date.	From or To—	Subject.	
178880	2-9	C&R	Foundations for shaft bearings; fwds plan. Fwd C&R--Comments on. 2/23	DR
180486	3-1	C&R	Foundations for shaft bearings. Retd--Noted. 3/6	DR
181641	3-13	C&R	Foundations for shaft bearings; fwds plan. Retd--Satis except as to liners. 3/22	DR
182456	3-22	NYS Arrgt for	handling propellers; fwds plan. Fwd C&R--Appvs arrangement. 3/31	DR
190912	6-12	NYS	Fwds tracings showing location of torsionmeter on shafts. To--Appvs. 6/23 To Bd I&S-- Fwds copy print. 6/23	DR
192558	6-15	NYS	Casings for stern tube shafts; est inc cost.	DR
192736	6/26 6/28	Midvale Steel Co Pitts	Coupling hub forgings; request defects be waived. To Phila--Auth to make shipment subject to being satis to NYS. 7/8	

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IDAHO: PROPELLERS. 563-14

Number.	Date.	From or To—	Subject.	
211733	1-15	New Londo		
211734	1-16	NYS	Shaft alleys; floor plating, hand rails; fwds tracing. To--Plan appvd. 1/24	
214218	2/7	ARIZONA	Request propellers bechanged while turbine work is going on; suggests substitution of IDAHO'S	529-14
217965	3-13	Bd on Changes, NYS	Fitting casing for stern tube shafts; inc cost Fwd Sol--Rec appvl. 3/16 RB3-28	
218135	3-14	NYS	Floor plate, and hand rails; in shaft alleys; contractors request permission to omit inboard hand rail in each inboard shaft alley.D. To--Appvs contrs reqt.3/16	
223199	4-17	NYS	Shaft calibration of; fwds. D Fwd Phila--4/21 **Fwd Phila--4/21** RB 4-28 Fwd Exp Sta--5/1 RB 5-12 To Phila--Instrns re making photomicrographs. 5/1	
227879	5/11	Exp Sta TEST 838	Propeller shaft S	

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IDAHO (NEW) PROPELLERS:

Number.	Date.	From or To—	Subject.	
142496	12-19	To NYS	Propellers; re substituting four blade for three balde; take up with contr's for their consideration. D NYS agrees 12-24	
142495	12-19	TO NN	MISSISSIPPI; re substituting four blades in lieu of 3.	562-14
144899	1-19	To NYS	Directs bodies of stern tube shaft be covered with composition watertight casing. D	
145549	1-26	To NYS.	Shafting, material of; specfns to be changed in order to agree with the nickel steel designation. D	
		1915		
146246	2-1	NYS	Casing for stern tube shafts, estimate for inc cost. D. Fwd Dept-- Recommendations. 2/6 RB 2/11--appd; appliesalso to MISSISSIPPI and CALIFORNIA. To-- Change appvd. 2/12 To Gen Insp-- 2/12	
146917	2-10	NYS 434-3855	Steel forgings for shafting; relative to designation of nickel steel. D NYS have instructed contractors 2-14	
148474	2-27	NYS 614-3855	Shafting; arrgt of; fwds tracing. DR To-- Appvs. 3/8	
157690	6-10	C&R 197	Shaft tubes; fwds print. DR Retd-- SatisfactoryL 6/19	
157689	6-10	C R CROSS to COG	C&R Agrees fiarwaters under cog SE 6-26 Shaft struts; plans. DR Retd-- Satisfactory. 6/19	

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IDAHO: PROPELLERS: 563-16

Number.	Date.	From or To—	Subject.
157759	6-11	NYS 1684-3855	Shaftings; fwds tracings showing details.DR To-- Appvs with modi. 6/19
159169	6-28	C&R	Shaft tubes; fwds plan. DR To--Plans satisfactory. 7/9
167081	9/30	Bd Changes	Fitting casing for stern tube shafts; inc cost.N Fwd Dept--10/5 RB 10/13 To NYS--10/14
156725	10-8	NYS	Clutch couplings; arrgt and details; DR To-- Appvs.10/15
169497	10-26	NYS	Clutch couplings; arrgt and detail of operating gear. DR To-- Appvs. 11/5
170965	11-10	NYS	Prpeller; fwds plans and comments.DR To-- ~~Appvsxwith~~ Returns with comment.11/17
171526	11/17	NYS	Casingfor stern tube shafts.DR Fwd Dept--Rec appvl. 11/19 RB 11/27 ToAppvs.11/29 To Gen Insp--11/29
173924	12-14	NYS	Propeller; fwds tracing.DR To--Appvs. 12/20 To NY--Furnish NYS templates for. 12/20 To S&A - Reqt for shipment. 12/20
177514	1-25	NYS	Arrgt ofor handling propellers; fwds plans. DR Fwd C&R--Comments on. 2/4

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IDAHO: PIPING SYSTEM:

Number.	Date.	From or To—	Subject.	
464522	12;15	Inspr NYS	Installation of independent sea chests for boiler blows-fwds estimated increase in cost.D	
464447	12;15	Inspr NYS Void see 16	Installation of drip pans under fuel oil burners at boiler fronts-fwds estimated increase in cost.D Fwd Solicitor. 12-26	

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Number.	Date.	From or To—	Subject.	

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IDAHO: PIPING SYSTEM.

Number.	Date.	From or To—	Subject.	
452787	10-16	Inspr NYS	Fitting Steam and exhaust piping to additional steam proofer in bakery- Estimate of increased cost.	D
452788	10-16	Inspr NYS	Steam and exhaust to water heater in chart house- Estimate of increased cost.	D
452789	10-16	Inspr NYS	Installation of piping for steam table in C.P.O. Mess-room. Estimate of increased cost.	D
452791	10-16	Inspr NYS	Addition to Laundry, installing "YY" press, and 42" x 60" tumbler. Estimate of increased cost.	D
464440	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Installation of drains from water heaters and steam tables, run to trap in engine room-fwds estimated increase in cost.D	
464448	12;15	Inpr NYS Fwd Solicitor. 12-26 RB-1;2	Installation of steam piping for fire extinguishers-fwds estimated increase in cost.D	

563-15: IDAHO: PIPING SYSTEM:

Number.	Date.	From or To—	Subject.
464454	12;15	Inspr NYS	Using rough in lieu of polished brass fittings on the water service system in engine rooms and shaft alleys-fwds estimated decrease in cost/D
464457	12;15	Inspr NYS	Installation of piping for steam table in Chief Petty Officer's Mess room-fwds estimated increase in cost.D
464458	12;15	Inspr NYS	Fitting steam and exhaust to water heater in chart house-fwds estimated increase in cost.D
464459	12;15	Inspr NYS	Fitting steam and exhaust piping to addtl steam proofer in bakery-fwds estimated increase in cost.D
464460	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Installation of "YY" press and tumbler in laundry-fwds estimated increase in cost.D
464462	12;15	Inspr NYS	Fitting steam and exhaust to water heater in dental office-fwds estimated increase in cost.D
464463	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Fitting of drains from cylinders of auxiliary machinery-fwds estimated increase in cost.D
464465	12;15	Inspr NYS Fwd Solicitor. 12-24 RB-12;31	Fitting by-pass connections for main feed pumps-fwds estimated increase in cost.D

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IDAHO: PIPING SYSTEM.

Number.	Date.	From or To—	Subject.	
339846	8/19	NYS	Arrangement of incinerator and piping - fwds print - D	
369878	11;15	Ins. NY ship	Fwds copy of contractors letter reporting order for tubing sublet to Chase Metal Wks. req instr. as to inspection Be issued S&R Fwd Harford, 11-20 Ref. Hartford 11;20 back 11;26 L	
375029	12/5	Inspr NY Ship.	Invoice covering pipes. D. To Inspr NYS,(T),approves above,12-7	563-18
377772	12-24	Fwd C&R	Ventillation of radio rooms. L	
398203	2;26	Ins. NYS	Omission of counter on main circulating and main feed pumps req. instr. in connection with D To- Omission of counter on main circulating pump and main feed pumps appvd. 3-3	

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Number.	Date.	From or To—	Subject.	
452780	10-16	Inspr NYS	Steam piping for Fire-Extinguisher- Estimate of increased cost.	D
452796	10-16	Inspr NYS	By-Pass connections for Main Feed Pumps- Estimate of increased cost.	D
452771	10-16	Inspr NYS	Drains from water heaters and steam tables run to trap in engine room- Estimate of increased cost.	D
452793	10-16	Inspr NYS	Steam and exhaust to water heater in dental office- Estimate of increased cost.	D
452794	10-16	Inspr NYS	Drains from cylinders of auxiliary machy- Estimate of increased cost.	D
452785	10-16	Inspr NYS	Estimate of reduced cost due to using rough in lieu of polished brass fittings on the water service system in the engine rooms and shaft alleys.	D

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IDAHO: PIPING SYSTEM.

Number.	Date.	From or To—	Subject.	
282356	2-16	NYS	Copper piping - Randolph Clowes Co state cannot make shipment until May 1st. D	
289730	3-15	NYS	10 inch barred extension joint for main steam piping - modification - fwds print. D To- Plans apvd. 3-20	
303676	5;3	Inspr N. Y S	Strainer Body main steam engine calls attention to irregular proceeds on part of contractor. D To- Gives directions for rejection of any material which is defective but inferior in workmanship. 5-13	
304360	5-8	To NYS	Main Feed discharge Piping- To be fitted on main feed discharge. cutout valves. D NYS - recommends approval of drawings listed - 6/26 To Inspr Camden, plans approved, 7-3	
308036	5-17	NYS	Brass and copper tubes and piping - Bridgeport Brass Co gives list of orders which are urgently required. SG 5-17 To Inspr Hartford, Re, Miscel. Material 5-21 Inspr Hartford - 5-27 To NYS, Re material covered in reference, 6-1	

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Number.	Date.	From or To—	Subject.	
312698	6-1	NYS	Drains from cylinders of auxiliary machinery - contractors protest against installing. D To Inspr Camden, Recommending installation of drains from cylinders 6-12 NYS - fwds contrs letter directing that drains from cylinders of auxiliary machy be installed as recommended - 6/2 To Inspr Camden, proceed with alterations 7-8 To Dept, re above, 7-8 RB 7-23	
331622	7-29	Inspr NYS	Copy of letter to contractor in connection with delivery of magnesia - Ehret Magnesia Co. S	
332603	7-30	Inspr NYS Copy	Magnesia blocks Ehret Co protesting against method of handling material and failure to notify inspector of arrival (Cross to Complaints)	
339073	8-15	NYS	Fwds letter from contrs complaining of number of workmen employed by Johns Manteville and the clothing and lagging of pipes - D To J M Co, rqst inform re complaint 8-27 Jones Manville Co 8-28 JM Co 9-4	

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IDAHO: PIPING SYSTEM.

Number.	Date.	From or To—	Subject.
217962	3-13	Bd on Changes, NYS	Installation of dynamo hotwell pump discharge ~~connections to the feed and filter tanks; inc~~ Fwd Sol--Rec appvl.3/16 RB 3-28
217963	3-13	ditto	Fitting of safety sluice gates in the injection and outboard delivery pipes, fwd and after dynamo plants; inc cost. N
225297	4/28	NYS	Water service in engine rooms and shaft alleys, arrangement of; fwdsplans D To--Plans appvd.5/7 ~~NYS - Reports of tracings not received D~~
226466	5/5	NYS	Expansion joints for auxiliary steam line; print.D
227900	5/11	NYS	Steam and turbine glands and drains - arrangement of - fwds plan D To--Plans appvd.5/21
239024	7/17	NYS	~~Foam fire extinguisher D~~

N.S.E. Form 134.

563--15: IDAHO: PIPING SYSTEM.

Number.	Date.	From or To—	Subject.	
239221	7-19	To NYS p	Foam fire extinguishers for engine and fire rooms. Installtion of auth.D	
239527	7-19	NYS	Drains in engine and fire rooms; fwds prin$s.D To--Gives action.8/1	
250030	9/18	NYS	Drains in engine and fire room - arrangement of-relative to location of inspection tank.D To- Gives arrangement of tanks and operations. 10-1 NYS - reqst action 10/2 D	
257441	11-1	To NYS	garbage Incinerator; Directs contractors to provide independent steam line of 35 L bs working pressure for the galley ranges. D Fwd C&R- Notifies of above. 11-1	
257441	10/29	C&R	Garbage incinerator and galley apparatus - connections for supplying steam D	
281860	2-14 To- Plans satis. 2-21	C&R	Foam Fire Extinguisher arrange piping for Fwds. plans. D.	

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IDAHO: PIPING SYSTEMS.

Number.	Date.	From or To—	Subject.
201403	10/6	NYS	Castings for main steam line;fwds plans.N To--Plans appvd. 10/16
205125	11-8	NYS	Expansion joint main steam line; defects in; recommends be waived.D To--Accept auth. 11/13
206919	11/29	NYS	Revised estimate inc cost for dynamo hot well pump discharge.D
207446	12-4	NYS	Pipe lagging; error in forwarding orders for inspection; will make inspection after delivery. Y
207936	12/9	To C&R	Reqt 3 sea chest be provided for boiler blows. D To NYS--Fwds copy of above letter and reqts ests of inc cost be submitted. 12/9 C&R sea chests for boiler blows; approval of change will result in increased cost; gives estimate; rec for NM & MISS 12/27
208689	12-14	NYS	Contractors request that auxiliary feed suction main be not reduced from 12 to 11".D To--Appvs request. 12/16
208944	12-16	NYS	Independent sea chest for boiler blow; plan.D To Gen Inspr--12/22 To--Change appvd. 12/22

Fwd Sol--Rec appvl. 12/29 RB 1-8
Fwd C&R--Noted. 1/9
To NYS--Reqt est for fitting independent sea chests. 1/9
C&R instns issued 1/25

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N.S.E. Form 134.

IDAHO: PIPING SYSTEMS. 563-15

Number.	Date.	From or To—	Subject.	
209046	12-18	NYS	Feed water pumping system; arrgt of piping; asks if changes are to be made at change in cost. D To--Type plan 50-R-40 will not apply to. 12/20	
			1917	
211307	1-10	NYS	Independent sea chest for boiler blows; prints.D To--Plan appvd. 1/16	
211436	1-12	C&R	Additional sea chests for boiler blows; fwds plan.D Fwd C&R--Appvs plan. 1/16	
211959	1-18	NYS	Auxiliary steam and exhaust piping; in eng room; arrgt plan; fwds tracinh.D To--Plans appvd with modif and comment. 2/1	
212264	1-18	NYS	Auxiliary exhaust steam piping; strainers for; fwds plan.D To--Plan appvd. 1/27	
212629	1-26	C&R NEW MEXICO	& IDAHO:MISSISSIPPI:water tightness of compartments; directs all piping leads be carried down forward of armored bulkhead and thence below 3rd deck; to apply all future construction,	554-15
213009	1-30	C&R	Fresh and salt water systems; request comment water supply for dynamo service.D Fwd C&R--2/3	

NB--0120

[OVER.]

IDAHO: PIPING SYSTE.

1915

Number.	Date.	From or To—	Subject.
172319	11-24	C'R	CO-2 system; fwds prints.DR Retd-- Satis. 12/1
172914	12-3	NYS	Contractors request permission to use copper for all auciliary piping, exhaust and estape, above 6". DR To--Comments on· 12/7
173145	11-24	C&R	Drainage plans; fwds. D.R. Retd-- Plans satis. 12/8
174599	12/20	C&R	Pumping and drainage systems; fwds prints·DR Retd-- Plans satis. 12/31
181665	3-14	NY	Request authority to substitute seamless steel for drawn copper for main auxiliary feed system. DR To NYS--Disappvs. 3/17
			1916
182873	3-25	NYS	Water piping in fire room; fwds arrgt plan.DR To-- Appvs with modi and comment. 4/5
183308	3-30	NYS	Main exhaust nozzles; fwds tracing/ DR To-- Appvs. 4/7
184737	4/14	NYS	Dynamo hot well pump discharge to feed and filter tanks; est change in cost.DC To--Change appvd. 4/19 To Gen Insp --4/19

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N.S.E. Form 134.

IDAHO: PIPING SYSTEMS. 563-15

Number.	Date.	From or To—	Subject.
186205	4-27	NYS	Arrgt piping in dynamo and auxiliary condenser room; resubmits plans.DR To-- Appvs with modi. 5/6 To--Appvs arrangement. 6/8
188608	5-19	NYS	Sluice gates and dynamo connections to condenser:DR TO -- appvd & Genl Inspr 5-29
190924	6-13	NYS	Main steam in engine and fire rooms; rearrgt plan To-- Appvs with modi and comment. 6/24 INSPR NYS - fwds print showing various supporting brackets for steam strainer. D 6;5 To Inspr Camden, Plan approved, 6-12
192355	7-1	NYS	Elec heaters; fwds print proposed name plate.L
195150	7/25	C&R	Salt and fresh water systems; fwds plans.DR Retd--Comments on. 8/7
196155	8/9	NYS	Auxiliary steam and exhaust piping in fire-rooms; fwds plans.D To--appd with comment 8/18
197277	8-17	NYS	Main steam piping in engine and fire rooms; resubmits plans. D To appd with mod anc comment 8/28
198697	9/5	NYS	Main steam line; details; fwds tracing.D To-- Appvs.9/14
199379	9-13	NYS	Water pipes in eng room; arrgt plans.D To-- Appvs with modi.9/26 NYS - by pass connections for main feed pumps - fwds correspondence from contr -10/4

To Inspr Camden, re by-pass connections for main feed pumps, 10-11

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IDAHO: PIPING SYSTEMS.

Number.	Date.	From or To—	Subject.
163136	7/9	C&R	Equalizing pipes in engine rooms; fwds plans and comments (held for plans, not received) DR Ret C&R 8-18
163388	8-12	C&R	Aux sea chest; fwds prints DR Fwd C&R 8-21
163502	8-7	C&R	Au iliary sea chest; print. DR Ret -- 8-21
163608	8/17	C&R 82	Aux sea chests; fwds corres. DR Ret -- 8-21
163782 3	8/18	NYS	Proposed drainage in way of fire rooms. DR To - appvd. 8-23
165346	9-8	~~G-&D~~ C&R	Drainage in wat of fire rooms; plan. DR Fwd C&R -- Plan satis. 9/20
166249	9-18	C&R	Piping for fire system; plan Retd -- Comments on. 9/25
167782	10-7	NYS	22" gate valve; fwds plan. DR To -- Appvs. 10/14
168163	10-12	C&R	Sea chest; fwd dynamo room; fwds plans. DR Fwd C&R 10/21
168770	10-19	C&R	Sea chest; fwd dynamo room. DR Retd 10/21

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N.S.E. Form 134.

IDAHO: PIPING SYSTEMS. 563-15

Number.	Date.	From or To—	Subject.
169095	10-21	NYS	Main steam line; castings for; print.DR To--Appvs.10/29
169489	10-21	NYS	Main steam line; expansion joint; plan.DR To-- Appvs. 11/5
169619	10-27	C&R	Drainage piping; relative to location of valves and operating gear under cog of C&R.DR Retd- Comments on. 11/30
170597	11/2	C&R	Sea chests in after dynamo room, fwds plan.DR Retd-- Satis. 11/12
170683	11-8	NYS	Sea chest after dynamo rooms; plans.DR To-- Appvs. 11/12
171379	11/16	NYS	Magnesia lagging for steam and exhaust piping; relative to thickness of.DR To-- Appvs. 11/18 NYS asks if Bu considered increased weight; no inc in cost involved 11/19
	To--Submit est due to inc.11/23		
171422	11/16	NYS	Pipe lagging;hose duck for; fwds samples and contractor's request to substitute.DR To-- Appvs. 11/18
171740	11/18	NYS	Composition flanges for copper pipes; fwds tracing.DR To-- Appvs. 12/2
172307	11-26	NYS	Thickness of lagging for steam and exhaust pipes; unable to est. inc weights owing to plans not being developd.DR To--Procedure satisfactory. 11/30

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IDAHO: (NEW) PIPING SYSTEMS.

1914

Number.	Date.	From or To—		Subject.	
141814	12-10	NYS	3541-3867	Standard zinc boxes; reqt approval. D To- Appvs. 12/12	
143146	12-21	NYS		Steel flanges for pipes 100# to 300# pressure; plan. D. To-- Appvs. 1/6	
143143	12-21	NYS	3656-3881	Flanges for copper pipes; pressures from 0# up to 300#. D To--Appvs plans for. 1/6	
			1915		
145208	1-21	NYS		Magnesia covering; substitution of annealed iron for copper binding wire.D To-- Appvs. 1/25	
146298	2-3	NYS		Fwds sample of wire netting proposed for fastening lagging.D. To-- Appvs with comments. 2/6	
144639	2/24	Dept		Rearrangement of fire and flushing main; inc cost; appd	130-15
153083	4-21	NYS	181-3867	Main injection and overboard discharge connection; tracing. DR To--Appvs with comment. 4/27	
153999	5-1	C&R	82-B-42	22" main circulating suction sea chest. b/p Retd-- Satis. 5/6	

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IDAHO: PIPING SYSTEM. 563-15

Number.	Date.	From or To—	Subject.	
154846	5-11	NYS 1387-1884	Main outboard delivery sea chest; arrgt and details; plan. DR To--appvs. 5/15	
156228	5-27	C&R	Main outboard delivery sea chest; plans.DR Retd-- Plan satis' 6/4	
157969	6-14	NY	Arrgt water and oil piping in fire rooms; plan.DR	
159095	6-26	C&R	9" injection sea chest; fwds print.DR	563-15
160312	7/10	C&R	Equalizing pipes in engine room.DR Retd-- Satis. 7/16	
161150	7-20	NYS	Receiver pipes bellows pieces; fwds tracing.DR To-- Appvs with comment. 8/2 NYS will show drain on later plan 8-11	
162552	8/4	C&R	Sea chests.DR Retd--Noted. 8/10	
162695	8/4	C&R	Sea chests; fwds prints .DR Retd--Plans satisfactory.8/10	
162786	8/5	NYS	Aux sea chests in engine rooms; prints.DR To appd 8/17 TO NYS appvd certain plans 8-20 NYS will assume Bu's approval 8/18	
162792	8/5	NYS TO NYS 8-20	Aux sea chests; prints.DR To appd 8/17 NYS will assume Bu's appvl 8/18	
162913	8/6	NYS 2160-3867	Main steam and exhaust piping in fire rooms; arrgt plans; fwds.DR To -- appvd as mod 8-21 NYS dec cost 8-24	
162058	8-10	To NYS.	Auxiliary sea chests; returns plans appvd.D	
162389	8-18	FWD C&R	Drainage system;	

To--no dec incost 8/26

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Number.	Date.	From or To—	Subject.	
651272	11/22	P.S.	Centrifugal separator for fuel oil system D	

Number.	Date.	From or To—	Subject.	

IDAHO: FUEL OIL SYSTEM:

Number.	Date.	From or To—	Subject.	
581277	8;17	B&W Co	Request formal contract covering oil burners for D. To Babcock and Wilcox Co- Sprayer plated desired 8/19 Db	
582028	8;22	Inspr B&W	Reqt auth to use non standard brick.D To Inspr B&W- Satusfy furnish special shaped oil burner tiles of the "Woodland" trand- 8/25	
588317	9;26	Pug Snd	Ask if contract with B&W Co covering oil burners and registers provides for services of Company's erector D&Y To Pug Snd Gives inform rel contract 10/5 Pug Snd. 10/21 D. To Pug, Snd- Work autha cc CO- Pacific Fleet- 10/28	
618358	4/21	To Pug Snd	Fuel Oil system Gear for Operating Valves from Deck Installation of cc CO C-I-C Pacific Fleet- Battleship Squad 4 Db	
617198	4/26	To Pug Snd	Centrifugal Separators for Fuel Oil System Installation of. Gives inform rel Db L cc CO- C-I-C Pacific Fleet- Squad 4 NEW MEXICO- Db L To Pug Sd- Neddy to install small tank. 6/30 Db cc IDAHO Pac Fleet NEW MEX.	

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IDAHO FUEL OIL SYSTEM 1922

Number.	Date.	From or To—	Subject.	
640635	9/7	CO (T)	Request material listed be added to new fuel oil burning equipt. D. To CO- Gives change in allowance cc EOSO Yard- vessel 9/12	
645692	9/2	B & W Co T	Rqsts authority for Company's representative to be on board vessel during trial of fuel oil burners W	
54665	10/25	To CO IDAHO 65 10/25	Oil burner instln, test of on board ship- Rqsts inform Dn S	629
54665	11/8 11/15	CO IDAHO Pac Fleet	Oil burner installation completed. Submits comments on trials of SD	629

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IDAHO: FUEL OIL SYSTEM.

Number.	Date.	From or To—	Subject.	
382291	1;2	Ins. NYS	Modified air impeller for fuel oil air register. Fwds prints for comment. To Insp NYS- returns tracing- 1/7/19	
399079	2;27	phila Fuel Oil Testing Plant 690-2 653-4	Bowser fuel oil meter fwds report on test D	
400780	43/5 3/7	CO Ins NYS	Req ammend allowance list to include gas analysis outfit and fuel oil testing outfit Y	563-21
426759	6;19	Dept	Copy of tel to CO auth fill all emergency fuel oil tanks pending Cruise A	
451640	10;7	Pac Flt	Submarine data in connection with oil burning equipment installed on D. To PAC FLT via OPERATIONS. 10-22 Pacific Flt - 10/31	

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	
452778	10-16	Inspr NYS	Drip pans under fuel oil burners at boiler fronts- Estimate of increased cost.	D
452784	10-16	Inspr NYS	Providing connections for draining fuel oil pipes above the 3d deck. Estimate of increased cost.	D
462222	11/13 12/2	CO IDAHO Pacific Flt	Submits report on test of burning West Coast fuel oil under full power conditions-F	690
462218	11/18 12/2	CO MISSISSIPPI Pacific Flt	Submits report on experimental test of West Coast fuel oil under full power - F	690
464447	12;15 Fwd Solicitor. 12-26	Inspr NYS RB-1;2	Installation of drip pans under fuel oil burners at boiler fronts-fwds estimated increase in cost.D	
464452	12;16	Inspr NYS	Providing connections for draining fuel oil pipes above the third deck-fwds estimated increase in cost.D	
500653	6;15	CO	Alterations made to fuel oil service lines- fwds sketch showing.D	
566707	5;14 5;25	CO Pac Flt	Prevention of smoke from fuel oil heaters- fwds data taken during trials with recomndns.D	
	To B&W- rel instln of fuel oil burning burning eqpt on boilers fwds prints 7/1 B&W Co-7;7-D	Navy Dept 6/21 RB-6;28-Y To CO via Union Gives inform cc Pac Fleet- C-I-C Pac Fleet 7/1 B&W Co-submits proposition with prints-7;11-D		

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IDAHO: FUEL OIL SYSTEM.

Number.	Date.	From or To—	Subject.
222356	4/11	NYS	Oil fuel apparatus, bracket for spindle on air register; fwds print.D
226354	5/5	To NYS	Fuel oil piping to motor boats, launches, galleys, etc.D NYS - contractors request change be treated as increased cost D To--Auth.6/9
246500	8/28	Bd on Changes NYS	Installation of air chamber on fuel oil service pipe at each boiler front, with air connections N Fwd Sol--9/1 R B 9/7
		1918	
293514	3/27	NYS	Attachment for blowing out oil burners-fwds plan - DR
291178	Fwd NYS	563-8 Idaho	Monel metal castings for. ordered from Bayonne Casting Co.S
303346	5/4	To Insp. Camden	To direct contr. to provide means in each fire-room for blowing out the oil burners. D. 5/4 Inspr NYS - Attachment for blowing out oil burner. 5-6
burners	To- Attachment for blowing out oil satis. 5-11		

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N.S.E. Form 134.

563 - 16 IDAHO : FUEL OIL SYSTEM

Number.	Date.	From or To—	Subject.	
304477	5-6	Inspr NYS CANCELLED SEE 303346 -	Attachment for blowing out oil burner. D 563 - 16	
305946	5-10	Inspector NYS	Fwds blueprint showing steam coil and lubricating oil settling tanks on--Als o blueprint showing automatic pressure -- regulator	563-20
327661	7/16	NYS	~~Changes in fuel oil system - fwds recommendations - D~~ To Inspr NYS changes in oil fuel system considered desirable 7-23	
349887	9-17	Inspr NYS	Installation of steam connections to fuel oil tanks for steaming out purposes absolutely necessary - D To Inspr NYS re steam connections to fuel oil tanks for steaming out, 9-20 Ins. NY Ship will submit plans DA	
352362	9-25	C & R	Fuel oil stowage system connections for steaming out tanks/ Submits comments and specifications D Fwd C&R 10-1	
355289	10;3	Ins. NY ship	Fuel oil system pans recommended and furnished at increase cost D To Inspr NYS re drip pans for fuel oil system 10-9	

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IDAHO: FUEL OIL SYSTEM.

Number.	Date.	From or To—	Subject.
185958	4-26	C&R	Oil fuel filling system. DR To-- Plans satis. 4/29
189779	6-1	NYS	Fuel oil supply system; operating gear,etc Fwds tracings.DR To-- Appvs. 6/7
190458	6-7	NYS	Fuel oil service system; fwds fire room Fwds tracin s.DR To-- Appvs with modi. 6/20
190457	6-7 To-- 8/9	NYS	Fuel oil supply system; arrangement of discharge from ships side to motor boats, launches,etc: Fwds plan.DR To-- Appvs as modi. 6/20 NYS if air chambers fitted in boiler fronts result in inc cost; will allow dec for automatic valves removed 8/7
190628	6-9	NYS	Fuel oil pipes filling pipes; air escapes, pipes, sounding tubes; fwds plan. DR To-- Appvs. 6/20
190955	6-15	NYS	Fuel oil apparatus; detailed plans of burners; air register,etx. DR To-- Appvs with modi and comment. 6/23
192645	7/5	NYS	Fuel oil supply system, steam piping and heating coils.DR To-- Appvs with modi and comment. 7/11

N.S.E. Form 134.

IDAHO: FUEL OIL SYSTEM. 563 -- 16

Number.	Date.	From or To—	Subject.
202484	10/13	NYS	Burner connections; fwds detailed plans .D To--Plan appvd with modif. 10/16
203161	10/19	NYS	Relief valves for steam and to coils in fueloil tanks; fwds prints.D To--Plan appvd. 10/26
207789	12-7	NYS	Coils in fuel oil tanks; and traps; for; fwds plan.D To--Plan appvd. 12/13
209299	12-19	NYS	Fuel oil service system; in middle and after fire rooms; tracing. D To--Plans appvd with modif and comment. 12/29
209434	12-18	NYS	Fuel oil supply system; operating gear,plan.D To--Plan appvd. 12/29 NYS operating gear; fwds tracing 1-11 To--Comments on. 1/16
210017	12-29	NYS	Request that burners and air registers be tested at Fuel oil plant.D To--Special test not necessary. 1/5
216318	2-28	NYS	Air chambers on fuel oil piping; est inc cost.D Fwd Sol---Reqt appvl. 3/2 RB 3-9 To Gen Inspr--3/12 To--Change appvd.3/13

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IDAHO: FUEL OIL SYSTEM

1915

Number.	Date.	From or To—		Subject.	
147583	2-16	NYS	507-3868	Oil fuel system; heaters for; fwds plan fo S&K type.D To-- Appvs with comment. 2/27	
150291	3-19	NYS	862-3868	Suction from fuel oil tanks; fwds tracing. To-- Appvs with modi. 3/27	DR
151796	4-10	NYS	1013-3868	Fuel oil tanks; swixe of suction from. DR To-- Appvs tanks be of 3-1/2" in lieu of 4-1/2 as directed. 4/9	
153327	4-26	NYS	1238	Lap welded steel casing for; Nat Tube Co. appeal against pressure test.S To-- Directance of. 4/27	
154940	5-11	NYS	1389-3868	Heaters for fuel oil system; plan S&K type. To-- Appvs. 5/15	DR
154953	5-12	NYS	1394-3868	Heaters for fuel oil system; plan S&K type. To-- Appvs. 5/15	DR
155514	5/20	NYS		Reqt decision on acceptance of piping supplied by National Tube Co; deficient under hydraulic test; comes up on IDAHO; fuel oil piping	695-[redacted]
156042	6-25	NYS	1487-3868	Detailed plans.DR To-- Appvs with modi. 6/4	

N.S.E. Form 134.

IDAHO: FUEL OIL SYS. 563-16

Number.	Date.	From or To—	Subject.
160750	7-15	NYS	Fuel oil supply system; fwds prelim plans. DR To-- Appvs. 7/23
2 163215	8-11	NYS	Fuel oil supply system; detail steam flanges; plan. DR To -- appvd 8-20
167427	10-1	NYS	Fuel oil supply system; manifolds for; fwds plans. DR To-(T) Appvs. 10/9
168678	10-15	NYS	Fuel oil apparatus; arrgt and details of burners; registers,etc.DR To--Appvs with modi. 10/ 26
172520	11-29	NYS	Fuel oil supply system; arrgt; final submission of plans.DR To-- Appvs with modi. 12/9
NY contrs claim changes can only be made at an increased cost 7/18 To NYS--Sub estimates for change.			8/20--Directs valves be fitted with emergency gear operated from thrid deck. 7/20/15
172913	12-3	NYS	Relative to test pressure of lap welded casing fuel oil supply system.DR To--Appvs test at 750 lbs. 12/7
174467	12/21	NYS	Fuel oil supply system; arrangement of; relative to placing of certain valves on.R To-- Appvs omission of gate valves. 12/23
175087	12-30	NYS	Fuel oil piping; reqt use of paper or cardboard gaskets be permitted in suction lines and valve bonnets to make same oil tight under test.DR To-- Appvs. 1/4

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IDAHO MACHINE TOOLS

Number.	Date.	From or To—	Subject.	
595332	11/15	To S&A 9173	Reqst shipmt of Arbor Press from Hamp Rds to CO Rn Y	
			To CO Ask if shipment recd 3/22	

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Number.	Date.	From or To—	Subject.	

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IDAHO: MACHINE TOOLS 1917 4

Number.	Date.	From or To—	Subject.	
333086	8-7	C&R	Copy letter to Constructor NYS authorizing construction of ventilation for coppersmith forge in general work shop -	D
355307	10;3	Ins. NY ship	General work job re. recommendation of machines. Fwds. sketch D To Inspr Camden, re relocation of machy 10-17	
375029	12-5	Inspr. NY Ship 15	Invoice covering pipes	D
412174	4;17	Ins. NYS	Wiring for additional work shop machinery estimate in increased cost L To- Change appvd. Referred to Bd Changes.	4-24

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	
452783	10-16	Inspr NYS	Additional equipment for general workshop, and pipe and coppersmith shop- Estimate of increased cost.	D
464439	12;15	Inspr NYS	Wiring for additional workshop machinery- fwds estimated increase in cost.D	
464453	12;16 Fwd Solicitor. 12-26 RB-1;2	Inspr FR	Furnishing additional equipment for general work shop and pipe and copper smith shop-fwds estimated increase in cost.D	
481180	3/10	C&R	Directs shipment of twist drills from Aircraft Fty Phila to San Diego for IDAHO. DA	494
481181	3/10	C&R	Directs shipment of flat nose pliers, tool chest and taps and dies from M IS to San Diego for IDAHO: DA	494
488354	4/12	CO IDAHO	Fwds sample of unsatisf hack saw blade manuf by Burrows Tool Co. SR	718-2

IDAHO: MACHINE TOOLS. 1917

Number.	Date.	From or To—	Subject.
212550	1-25	NYS	Hydraulic bolt forcer; fwds print Watson-Stillman type, D To--Plan appvd. 1/27
215697	2-21	NYS	Pipe and copper smith ~~sh~~ tools; location of; tracing D To--Plan appvd. 3/2
217259	3-7	NYS	Foundry and blacksmith shop; arrgt plan; fwds.D To--Plan appvd.3/15
217959	3-13	Bd on Changes, NYS	Substitution of oil burning for coal burning forge for use in blacksmith shop; inc cost.N
226981	5/7	NYS	Carpenter shop machinery - fwds change in cost D To--Change appvd.5/15 To Gen Insprs--5/15
237544	7/11	To NYS	Lists add'l equipment auth for workshops. D NYS - contractors request authority to locate additional equipment of top of movable plates on deck for taking turbines out 7/23 D To NYS--Appvs contrs proposition.7/25

N.S.E. Form 134.

IDAHO: MACHINE TOOLS. 563 - 18

Number.	Date.	From or To—	Subject.	
246562	8/28	Bd on Changes NYS	Installation of feeders for the Carpenter Shop tool motors N	
248996	9/13	NYS	Additional equipment for workshops - fwds specifications, cuts, etc - D To—Appvs with modif and comment.9/25 To- Gives recommendations of mfg's.10-23	
272660	1-11	To NYS	Additional equipment for workshops Motor-driven motor-Driven precision Lathe. D	
276204	1-23	NYS	Summary of motors for machine shop tools -fwds prints.D	
278211	1/30	NYS	Additional work shop equipment - fwds prints -D	

NB—0120

[OVER.]

IDAHO: MACHINE TOOLS. 1916

Number.	Date.	From or To—	Subject.
178585	2-8	C&R	Dynamo workshop ; fwds plans.DR Retd--Satis. 2/16 To NYS-- Fwds copy above. 2/16
179071	2-14	NYS	Work shop tools; recommends oil in lieu of coal burning forge.DR To--Submits estimate socvering. 2/17
181644	3-11	Mass	Work shop tools; sub-contractors, GE Co request authority to ship motor for with split covers with understanding will replace if unsatisfactory. DR-L To--Authorizes acceptance. 3/16
183628	4/3	NYS	Elec workshop; change in location; fwds sketch.L To--Appvs. 4/11
184606	4/13	NYS	Workshop tools; fwds prints.DR
190076	6-5	GE	Work shop tools; fwds reports on motors for.S
190036	6-10	To NYS.	Fwds data on inspection of control appliances for workshop tools. L-S
192191	6-27	NYS	Elec repair shop; fwds plans.L

N.S.E. Form 134.

IDAHO: MACHINE TOOLS. 563 -- 18

Number.	Date.	From or To—	Subject.	
194795	7/27	NYS	Substitution of oil burning for coal burning, blacksmith 's.forge; est inc.DR To--Change appvd 7/31 To Gen Inspp-7/31 To S&A--Rect shipment coal-buring forge from NYS to Phila. 7/31	
197754	8-25	NYS	Coal burning forge; memo of shipment to Phila. D	
199387	9-13	NYS	Work shop machinery; arrgt plans.D To-- Appvs. 9/21	
205617	11-15	NYS	Hauck oil burning forge; fwds bulletin and outline sketch. D To--Appvs No 5 Hauck Oil burning forge. 11/20	
206093	11-20	NYS	Location of foundry, coppersmith sop, and blacksmith shops.D. To--Instructions. 11/24 NYS contrs request loan of plan 11/29 To--Plans not available at present. 12/5	
206980	11-27	NYS	Work shop arrgt machy plan.D	
207490	12-5	C&R	Blacksmith shop; proposed location; plan.D Fwd C&R--Satis with comment. 12/14	
260173	12/9 NYS will reply later 1/3	NYS	Outlets for portable boring machine.L To--Appvs comments. Plans should be modif and submitted. 12/19	

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[OVER.]

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1914

IDAHO: MACHINE TOOLS.

Number.	Date.	From or To—		Subject.
143061	12-18	NYS	3646-3894	Foundry equipment; crucible equipment.Plan.D To-- Appvs. 1/6
		1915		
143993	1-8	NYS		Proposed forge motor.D To-- Satisfactory to Bu. 1/18
145856	1-29	NYS	291-3894	Pipe and coppersmith shops; cut vs. cast teeth; for tools. Y To--Comments on. 2/2
155985	5-26	NYS		Tools for copper smith shop tinner slip roll framing machine; fwds print and description. DR To--Appvs subject to operation. 5/28
156140	5-27	NYS		Workshop tools; fwds plans and specns. DR NYS Reat action. 7/21 To-- Appvs with modi and comment. 7/28 To--Appvs. 8/10
156601;	6-3	NYS		Forges and anvils for blacksmith shop; fwds cuts and catalogs. DR To--Appvs tools proposed. 6/7
156602	5-3	NYS		Molders tools for foundry; ditto To-- Appvs. 6/7
156603	6-3	NYS		Pipe cutting and threading machine; ditto To-- Appvs. 6/7
156604	6-3	NYS		Misc tools for pipe and copper smith shop, ditto To-- Appvs. 6/7

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N.S.E. Form 134.

IDAHO: MACHINE TOOLS. 563-18

Number.	Date.	From or To—	Subject.
168371	10-14	NYS	Work shop tools: fwds specns, cuts of elec equipt,etc.DR NYS Co (T) reqt action 10-18 TO GE instructions 10-19 To NYs--appd with comment 1 0/20 GE type of controllers proposed for machine shop motors 10/22 NYS item 10 recommends 120 volt (T)10-28 To--Disappvs. 10/30 NYS gives reasons for recom 120 volt in lieu of220 11-1 To NY--Voltage should be 230 volts.11/1 To-- Ditto. 11/5 NYS contractorsseriously delayed on account of Bu failure to act on reverse motor 11-12 To--Advise contr's motor required for milling machine. 11/17 To--Desires Vandyke print of drawing as soon as possible. 11/3/16 To--Reqt data on simplifying the purchase and unifying types of motors on ships. 11/23
172504	11-29	NYS	Work shop tools; MM&M reqt waiving factory inspection.S To--Appvs. 12/1
170915	10-30	NYS	Elec equipment for portable cyl boring bar.DR
174649	12/13 12/23	NYS Co C&R	Reqt decision on use of coal burning or oil burning forges for blacksmith's shop.DR To NYS--Reqt oil burning be supplied.12/30
177162	1-25	NYS	Work shop tools: substitution of No 2 Rockford and No 2 Hendee-Norton miling machine. DR NYS reqt action 2/3 To--Appvs with modi. 2/5

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[OVER.]

Number.	Date.	From or To—	Subject.	
543231	see card 4		Fwds Disbursing office Dn 8/85	
590914	9/7	Pug Sd	Wiring diagram submercible salvage pump sys for IDAHO. Submits print with estimates	698 LY
620407	from card 5		To Pug Snd (T) complete instln authd 10/3 P.S. 11/14 Pipe connections for motor driven pumpd. Fwds prints D To Pug Snd Plan appvd 12/5 To Pug Snd- Gives action taken- Fwds prints cc cc CO- C-I-C Pac Fleet- Comdr battleship Squad 4 Pac. Fleet- C&R 12/23	
464610	10/18	Pug Snd	Fuel oil operating plan. Fwds plan D	

563-19

IDAHO PUMPS

1922

Number.	Date.	From or To—	Subject.	
Pug Snd NS	AF 138 -	1/2 1923 Rh 12/26 To Pug Snd	Parts for vertiaal simplex featherweight air pump, Rh	

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[OVER.]

563-19

IDAHO: PUMPS:

Number.	Date.	From or To—	Subject.	
535655	fwded from card 4		Inspr NYS-fwds copy of notice of rejected matl-7:11-D. Inspr NYS-fwds copies of corres re-10:4 To Inspr NYSReqst Inform 10/14 Inspr NYS-Fwds bill cov oil cylinders 11/23 K-D.	
Bu Eng 353-1922 DN	5/6	Fwds Dept	Rqn Cont with Griscom-Russell Co- Fwds cc Letter of Company 4/16 Dn R	
Rqn. 353	5/16	JAG	Requisition cannot be amended to provide payment to contractor of $5200 - gives reasons why. DR	

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563-19

N. Eng. 134

IDAHO PUMPS 1922

Number.	Date.	From or To—	Subject.	
620407	5/27	To Pug Snd	Motor Driven feed pump for port use- Storage battery for abxiliary power supply instln of gives Action taken cc CO-C-I-C Pacific Fleet- Squad 4- C&R DbL To Pug Snd Fwds prints cc CO 6/9 Pug.Sd. Fwds prints 7/24 D To Pug Snd- comments 8/12	
	card	6	Pug.Sd. Battery storage for feed and fuel oil pumps. D 8:25 To Pug Snd (T) plan satisfy cc C&R 9/14 Pug Sd 10/2 T. Status of storage battery stowage L To Pug Snd (T) Reqsts status of instln 9/28	
620610	5/27	To Pug Snd	Motor Driven fuel oil svc pump for port use- instln of gives Action taken cc CO- C- I- C Pacific Fleet- Squad 4- C&R DbL	
629759	6/9	Pac Fleet	Turbine drain pumps motor operating are not water-tight. Request new. DL To C-I-C Pac Fleet- Turbine drail pumps will be removed 7/1 Db cc IDAHO Squad F NEW MEXICO.	

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[OVER.]

563- 19

IDAHO: PUMPS 1920 4

Number.	Date.	From or To—	Subject.	
524593	10/20	Inspr NYS	Fwds report on matrl shipped covering pump cylinder in connection with unfinished and unsatisfactory work at time of final trials. D	563-2
527731	11/5	Griscom Russel Co. CANCELLED see 523683-563-19	Fwds copy of test on combined feed and brine pump for. D.	
523683	11-24	To Pug Snd OTHER SIDE	Instln of e p combined eva feed and brime pumps; Fwds Plan cc CO D.	
		Pug Sd-proposed arrangement of experimental brine feed pump-fwds print-2;14	To Griscom Russell Co- Plan as gd fiel no 11 26	
		To SO Pug Snd Ask if shipment recd 3/7/21	To Pug Snd authd cc CO C-O-C Pac Fleet- 12-22	
		To Pug Snd Gives i form re instln of pumps	cc CO-C-I-C Pac- Griscom Rus Co 3/25	
535655	12;13	CO	Addtl cracks fxr have developed in oil end in number One fuel oil service pump-fwds sketch requesting two addtl ends be furnished.D	
		Inspr NYS-4;14-D	Fwd Inspr NYS cc CO 12-23	
		To Inspr NYS Reqs report from IDAHO 4/21	Inspr NYS-copy of letter to Contrs fwding prints-12;23 RB 1/5/21	
		To COAsk status of material 4/21	To C via Bremerton Ask when shipmt made 1/7/21	
		CO-5;2-D	Inspr NYS-reqt instrns re shipment-1;10-D	
		To Inspr NYS Gives inform 5/18	Inspr NYS-contr rect instrns be issued to return defective cylinders to Warren Steam Pump Co-1;29-D	
		Pac Flt 6/24		
		Fwds Inspr NYS 7/8		
543231			To Inspr NYS Gives action 2-2/21	
		card 6	fwd Disb Office 1/28/21 re Certification of public bill 3380 in favor of the Griscom-Russel-Co under Departmt cont 2840 D.	
			Disbursing Off- Request Griscom Russell Co. be advised regarding charges. 8/21 D.	
548934	2;23	Pug Sd	Estimate covering installation of submersible pump control system.D&L	
			To Pug Snd Instln authd cc CO 3/11	

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N.S.E. Form 134.

563-19: IDAHO: PUMPS :

Number.	Date.	From or To—	Subject.
551764	3;15	Griscom Russel Co	Combined feed and brine pump returns prints with recommendations covering arrangement.D To-- Fwds Plans 3/25 Griscom Russel Co-;3;28-D Griscom Russel Co-4;7-D
523683		SEE OTHER SIDE	To Pug Snd Instln of experimental combined feed and brine pumps for distilling plant Fwds Enclosures listed for Information D 4/11 Pac Flt-copy of action to Pug Sd-4;20-D Pug.Sd.- Experimental brine feed pumps- fwds prints. D. 5/23 To Pug Snd Plans listed appvd cc C-I-C Pacific Fleet 6/14 Griscom-Russell Co 3/30/22 Request payment of account D
560235	4;25	Inspr Milw	Fwds test report of control of appliances for pump control.I&D

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[OVER.]

N.S.E. Form 134.

IDAHO: PUMPS.

Number.	Date.	From or To—	Subject.	
452781	10-16	Inspr NYS	Additional reserve feed water pump and piping in engine room- Estimate of increased cost.	D
453568	10;22	Westinghouse E&M Co To Westinghouse Co- 1-10 To CO via PAC FLT. 1-10 Pac Flt-fwds report on dynamo condensate pumps-1;5-D To Westinghouse CO Quotes from from CO IDAHO let re pumps 1/12/21 cc CO- C-1-C Pac Fleet 1/12/21 Westinghouse E&M Co-1;25- Westinghouse E&M Co-report on cost of standard pump-2;23 West E&M Co-ask if can substitute MELVILLE pumps for IDAHO-3;24 -1919-	Asks if condensate pumps installed on are operating satisfactory.D To- Co has been reqted to submit report on condensate pumps and Bu will send copy as soon as received. 10-27 To-CO via C-C PAC FLT-Reqts submit report on condensate pumps. and air ejectorequipment. Pac Flt-fwds report of CO-12;2 To- Submits recommendations from CO. 12-19 Westinghouse E&M Co-submits comment-1;7	10-27
455032	10/29	Warren Steam Pump Co	Returns standard tracings - D	
464450	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Installation of additional reserve feed water pump and piping in center engine room.D fwds estimated increase in cost.D	
			1920	
472798	1;28	Kinney Mfg Co	Fwds copy of letter to S&A in connection with proposal for plunger electrically operated pumps for.D	
378756	3-25	To Griscom Russell Co	Fwd copies of contract, for construction of expr combined feed and brine pump to be instal on IDAHO K	698

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IDAHO: PUMPS 1920

Number.	Date.	From or To—	Subject.	
488071	4/17	Solicitor	Fwds copy of contract 2840 with G.R. Co for experimental combined feed and brine pumps to be installed and tested on board IDAHO: DSK	698
493337	5-19	Fwd Dept.	Connect feed pumps with cut-out valves.	554-8
515440	8;31	Inspr Bostom	Fuel oil pump cylinder-request instrns re shipping under government bill-lading.S&D Fwd Inspr Boston 9-8	
516039	9-9	To Inspr Westinghouse	Advises has no inform co c replacement of condensate pumps D.	
516454	9;10	Griscom Russel Co	Pumps on Dept contract 2840 will be ready for inspection September 22.S&D To Inspr Pitts Reqst witness of tests on pumps and submit comp report to Bu 9-13 RB-with report-8;25 To Griscom Russel Co-- Advises Capt Offley stationed in Pittsburg will conduct Inspn and witness tests on pumps 9-13 Griscom Russel Co-9;14-S&D Inspr Pitts-details E.M.Muncey to make test-9;16S&D	
523683	10;16	Griscom Russell Co	Fwds copy of test on combined feed and ?? pumps D Griscom Russel Co-fwds copy of test on combined feed and brine pump for-11;3-D To S&A Reqst shipmt of evaporator from Pitts to pug Snd 5191 Y 11-16 Inspr Pitts-copy of action to Griscom Russel -11;19-Y&D Griscom Russel Co-11;26-D	

Pug Sd-ask if present pumps should be removed and experimental pumps installed-12;15
To Griscom Russel Co-- Gives inform fre shipmt instrns. 11-16
To Pug Snd via Pac fleet-Union- Gives inform 11-16
Griscom Russel Co-11;18-D
Griscom Russel Co-fwds prints-11;22
NY-main engine clutch details fwds prints-12;17

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IDAHO: PUMPS. 1917

Number.	Date.	From or To—	Subject.	
213645	2-1	NYS	~~governors~~ Pump connections; resubmits plans. D To--Plans appvd. 2/12	
256268	10-23	Phone NYS	Turbie driven boiler feed pumps. Information asked whether have any that have not been installed. To- In view of fact that pumps are installed in the vessel desire no further steps be taken in the matter. 10-26	
297744	4-15	To S&A	Reqtshipt one vertical simplex pump from Boston to NYS. D To NYS-Has directed shipt of pump for installation. 4-15 NYS - 4/16 - D To NYS--Fwds print showing reserve feed pump for. 4/18 To NYS- Fwds prints. 4-19 Shipment order April 15th - RB 5-23	
313640	6/4	NYS	Fwds plan showing vertical simplex featherweight air pump also list of spare parts and special wrenches for-	563-21
356246	10;10	Ins. New Yk. Ship	Reserve feed pump in center engine room req. Boston furnish metalic packing for D To Boston rqst shipment packing 10-19 Bost - 10/22 To Inspr Camden,re shipmt packing 10-28	

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N.S.E. Form 134.

IDAHO: PUMPS

Number.	Date.	From or To—	Subject.
385375	1;13	Ins NPN	Evaporating and distilling plant installation of experimental Brien feed pumps contractors furnished with plans of D
389381	1;27 2;1	Ins. NYS Griscom-Russel Co	Evaporating and distilling plant installation of experimental of Brien and pumps req. instructions D To N- Auth installation of experimental feed and brine pumps. 1-30 To- Experimental feed and brine pumps not necessary that they be installed at the works of the NYS Corpn. 1-30 To Griscom-Russell Co- Directs delivery of the feed and brine pumps be made at NY yd instead of at the NYS Corpn. 1-30 copy to NY
433590	7/16	Inspr NYS	Rqst expecite delvy of finished plans listed 563-8 from Worthington Co. D.
434369	7;19	NY	Submersible pump system-fwds print.D To I.M. Ny- Fwds prints. 8-1 NY-will submit plans in one week.9;13 NY-fwds plans of submersible pump system-9/24 To I.M. Ny- Lists plans appvd. 10-10 NY - general arrangement of motor generator spaces for submarsible pump system - fwds prints - 11/5 To NY- approval of Drawing.reqst more details be shown 11/8 R B 12/1 with prints showing general arrangement of motor generator spaces.

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IDAHO: PUMPS

1914

Number.	Date.	From or To—		Subject.	
143059	12-18	NYS	3647-3868	Hand pressure pumps for fuel oil system; plan. D To-- Appvs. 1/6	
				1915	
145265	1-21	NYS		Pumps; setting plans for Warren type; fwds.D To--Appvs subject to appvl details. 2/1	
147865	2-10	Warren Steam Pump Co		Fwds pump tracings for approval.D	698
153674	4-28	C&R		Main drainage pumps; fwds plans and comments.DR Retd--Comments on. 5/4	
155970	5-21	NYS	1450-3877	Worthington Volute pump; fwds plans.DR To-- Appvs with comment. 6/2 To-- Gives add changes in. 7/9	
156716	5-29 6-2	Supplee Biddle Haw Co Phila		Monel metal rods for pump; reqt waiver of deficiency elastic limit. S To Phila--Waives deficiency. 6/5	
158814	6-23	C&R	3129	Main drainage pumps; fwds plan.DR To-- Satisfactory. 6/29	
158923	6-24	NYS		Turbine for pumps; prints. DR To-- Appvs with modi. 7/3	
159201	6-29	NYS	1861-3851	Turbine driven centrifugal pumps; Worthington contractor reqt complete machy specns. D To--Auth granted to furnish specfns. 7/1 NYS 7/27	

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N.S.E. Form 134.

IDAHO: PUMPS. 563-19

Number.	Date.	From or To—	Subject.	
159480	6-30	NYS 1865-3877	Terry turbines for circulating pump; plan. DR To--Appvs with comment. 7/9	
160806	7-1	NYS	Pumps; Warren type; DR To-- Appvs. 7/21 To--Fwds prints of. 7/26	
163125	8/10	NYS 2189-3877	Fwds setting plan for distiller and dynamo condenser pumps.D TO -- appvd 8-20	
169198	10/23	Terry Co	Turbine driven circ pumps; order cut from 6 to 4; reqt authority to reduce spares·DR To--Take up with Shipbuilder. 10/26	
190231	6-6	NYS	Elec driven centrifugal pumps for draining main engine room; comments on and forwards plan. DR	
190490	6-10	To Brook.	Centrifugal feed pumps for; reqt data on performance of. S-D Brook; gives data on 6-22	
191909	6-27	Warren Steam Pump Co	Pumps; request decision as to metallic packing being fitted on pumps from 1" or 1" and over. DR To-- "Over one inch diameter". 6/29	
199386	9-13	NYS	Pump governors; plan. D To--Plans of Foster Eng. Co. appvd with modifications. 9/28 NYS recom approval subject to satis test after installation 11-6 To--Cannot appv until satis tested. 11/9 To--Are now ready to appv governors of Foster type. 12/7	

NB—0120

[OVER.]

IDAHO: VALVES:

Number.	Date.	From or To—	Subject.
464441	12;15	Inspr NYS	Furnishing new springs for boiler safety valves.fwds estimated increase in cost.D
464445	12;15	Inspr NYS	Installation of cut-out valves in main feed discharge branches to the boilers-fwds estimated increase in cost.D
464446	12;15 Fwd Solicitor. 12-26 RB-1;2	Inspr NYS	Installation of operating gear for one-inch valves, steam to fuel oil heaters-fwds estimated increase in cost.D
464451	12;15 Fwd Solicitor. 12-26 RB-1;2	Inspr NYS	Installation of cutout valves for forced lubrication system-fwds estimated increase in cost.D
464509	12;15	Inspr NYS	Installation of deck operating gear for fuel oil cutout valves-frames 102 to 103 center engine room-fwds estimated increase in cost.D
464464	12;15 Fwd Solicitor. 12-26 RB-1;2	Inspr NYS	Installation of swing check valves in main feed pump discharge lines-fwds estimated increase in cost.D
464442	12;16 Fwd Solicitor 12-26	Inspr NYS V O I D	Compressed air system

N.S.E. Form 134.

563-20: IDAHO: VALVES:

Number.	Date.	From or To—	Subject.	
464896	12;22	Inspr NYS	8 inch balanced relief valve for aux exhaust to main condensers-fwds prints.D To- Plan appvd. 12-30	
			1920	
470623	1;20	Inspr NYS VOID SEE 45-B-20	Saction and discharge sea chests valves for evaporating and distilling plant-fwds prints.D	
480232	3;6	Foster Engineer Co	Asks location of vessel in connection with reducing valves furnished.D &Y Foster Engineering Co-asks where IDAHO is at present-3;8 To- Address IDAHO. with PAC FLT. 3-10 To- ditto. 3-10 Foster Engrng Co-3;11	
507993	7;27	Phila	Lonergan relief valve for main condenser-request print.D To E^C Phila Fwds Plan 8-3	
523582	9;25 10;16	CO Gunnery Exercises	Request authorize setting of relief valve on cruising turbine at 225 lbs.D&M ~~Fwd Dept 10-21~~	

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[OVER.]

IDAHO: VALVES

Number.	Date.	From or To—	Subject.
370154	11-18	New York Ship	Copy of letter to contractors accepting valve bodies deficient under elongation
374617	12;3	Ins. NY ship	Fwds copy of contractors letter requesting analytical inspection of relief valve for humidity control air tank and fitting be waived S&D
3 374672	12-7 12;24 1;8	To Inspr NYS NYS Ins. NYS	Comments re releif valve for humidity control air tank & fitting,S Ins. N Y ship fwds copy of order covering relief valves 12;10 To Inspr NYS- reqst contracts be advised that analytical and physical tests on order 212222 will not be waived- 1/6
389398	1;27	Ins. Pitts.	Copy of letter to Ins. Harrisburg fwding copies of correspondence for to be used in inspection of steam traps S&D
402298	33;3	NYSt	Copy of let. NYS Co complaining of carelessly manner in which test of ~~bridgex~~ bilge suction valve were conducted D

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
452777	10-16	Inspr NYS	Operating Gear for 1" valves- Steam to fuel oil heaters- Estimate of increased cost.	D
452795	10-16	Inspr NYS	Installation of swing check valves in main feed pump discharge lines- Estimate of increased cost.	D
452775	10-16	Inspr NYS	Cut-out valves in main feed discharge piping; cost incident to installing 3-1/2" by 4-1/2". Estimate of increased cost.	D
452773	10-16	Inspr NYS	New springs for boiler safety valves- Estimate of ~~xxxx~~ increased cost.	D
464425	12;15	Inspr NYS	Extension of operating gear for bilge injection valves in engine rooms to high up in center engine room-fwds estimated increase in ~~xxxx~~cost.D	
464427	12;15	Inspr NYS Fwd Solicitor. 12-24 RB 12-30;	Installation of cut-out valves in bilge injection line and operating gear for same, also main injection valves.fwds estimated increase in cost.D	

IDAHO: VALVES

Number.	Date.	From or To—	Subject.	
293338	3-27	Inspr NYS	One inch relief valves - fwds plan. D	
293244	3-27	Inspr NYS	Automatic pressure regulator for air to crews galley - fwds plan. D	
295738	4-6	Inspr NYS	Schutte-Koerting closing emergency shutout valves for main steam line urgently required. D & SG NYS--reqt S&K valves be expedited.4/8 To Schutte & Koerting-Inform present state of orders for NYS. 4-9 NYS - 4/11 - D Shutte -Koerting Co - expect to make shipment of valves within 2 weeks. 4-14 To NYS--Gives action being taken.4/13 To S&K Co--Ask if cannot better delivery.4/13 Schutte-Koerting Co - Will complete valves April 27th. SG 4-17 S-K Co--T-states working overtime to complete valves.4/20 To S-K-Insist valves be shipped at once. Evident indifference in keeping numerous promises seriously delaying ships completion. Wire answer today. 4-19 To- S&K working Saturdays Sundays and nights in order to complete valves. 4-22 Schutte-Koerting Co - reports on shipment of valves - 4/29	

N.S.E. Form 134.

IDAHO: VALVES. 563 - 20

Number.	Date.	From or To—	Subject.	
302266	4/29	Phila	High pressure valves Schutte-Koerting Co - reports authorizing shipment - complete test to be made at Works of NYS - D To- No objection to the tests being conducted at Works of NYS. 5-2	
305946	5-10	Inspr NYS	Fwds blue print showing steam coils and lubricating oil settling tanks on. Also blue print showing automatic pressure regulator. DR	
314866	6;8	NYS	Additional Gear valves for main feed discharge piping. Reqts Chapman Co be directed to supply same. D To (T) Chapman Valve Mfg Co, supply valves as soon as possible. 6-10 Chapman Valve Manuf Co - Status of work on Valves. D 6-11 To (T)--re shpt composition gate valves, 6-17 Inspr NYS - T - Contractors prefer 4 1/2 inch valves. D 6-18 To Chapman Valve Mfg Co., T, Valves not acceptable, 6-20 Chapman Valve Co - states have never made 4 1/2 inch valves before - are proceeding with order - 6/21 D To Inspr Camden, enclosing copy of Chapman Valve Mfg Co's letter 6-26	

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[OVER.]

IDAHO: VALVES.

1917

Number.	Date.	From or To—	Subject.
254330	10-29	To NYS	Main feed pump discharge valves and governor valves, type of former and method of piping latter to pump discharge. Commentson plans. D NYS - states valves should be considered an extra - 11/20 - D To- Re expedition of fitting of check valves.11-28
259220	11/6	NYS	Valve body - request Penn Sea Bd Corp be directed to expedite material to Schutte-Koerting SG To Penn Seaboard Steel Co.-Reqts expedition of castings to Schutte-Koerting Co. 11-9 Penn Sea Bd Steel Casting Co 11/12 SG
259219	11/6	NYS	Valve body - request Penn Sea Bd Corp be directed to expedite material S & G To Penn Seaboard Steel Corpn- Reqts expedition of castings for NYS. 11-9 Penn Sea Bd Steel Casting Co - 11/12 SG To- Penn S C Co. reports casting ready for inspection on the 14th. 11-14
259497	11/8	NYS	Steel castings for valve bodies and bonnets submits list of steel castings ordered from the Federal Steel Foundry Co urgently needed SG To Phila and NYS- Fwds letter re castings. 11-9 Insp Phila - 11/13 SG
264678	12/1	NYS	Fwds letter from contractors reporting delay in delivery of steel castings for valves from the Federal Steel Foundry Co - SG To Fed Steel Foundry Co.-Directs inform. By reason for shipt of only 2 castings last week. 12-3 Federal Steel Foundry Co - gives date when expedt to make delivery of forgings - 12/5 SG To-Quotes letter from Fed Steel Co / 12-8 NYS - fwds copy of letter from contractors reporting castings still due - SG To Fed Steel Castings. Co.-Reqts expedite delivery to NYS of castings 12-27
OVER		Federal Steel Fdy Co-protest against criticism.1/2 To- Quotes information from Fed Steel Co. 1-5 NYS - Delivery by Schutte-Koerting unsatisfactory - 1/10 SG To S&K-1-14 S&K--1/18.SG To 1-23 Schutte & Koerting Co-Reqt reply- SG. 1-19 To Penn Seaboard Steel Co- Advise shipt to S-K co. 2-23	

4—3381

IDAHO: VALVES.

Number.	Date.	From or To—	Subject.
281958	2-	Insp. NYS	Fwds. plans proposing swing check valves on main feed dischange from pumps. D.
264678		OTHER SIDE	Penn Seaport Steam Corp. Will have material ready for inspection March 4th. SG 2-26
288881	3-12	NYS	Trap for incinerator drain - fwds print. D
291783	3/21 To- Requirements for brass fittings is waived·3-27	NYS	State valve for water service in engine room and shaft alley were ordered rough instead of polished - DR

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IDAHO: VALVES.

Number.	Date.	From or To—	Subject.	
231433	6/1	NYS	Distant control for steam stop valves - increase cost D To--Change appvd.6/4 To Gen Inspr--6/4	
233916	6/15	NYS	Non-return valve for turbine drains - fwds prints D	
234512	6/19	NYS	Steam trap for drains over turbine glands - fwds prints D	
234645	6/19	NYS	Manifolds for steam to glands and turbine drains D	

NB—0120

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N.S.E. Form 134.

IDAHO: VALVES.

Number.	Date.	From or To—	Subject.	
237695	7/10	NYS	Relief valves for steam to glands and warming up turbines - fwds prints D To—Plan appvd. 7/17	
240094	7/23	NYS	Relief valve for steam to crews galley D	
246502	8/28	Bd on Changes NYS	Omission of automatic self-closing valves on fuel oil service system N Fwd Sol—9/1 R B 9/10	
226503	8/28	Bd on Changes NYS	Fitting distant control for steam stop valves on fuel oil service and booster pumps N Fwd Sol—9/1 R B 9/7	
255135	10/15	NYS	Fwds copy of letter from NYShipbldg Co reporting steel castings for valve on order Federal Steel Fdy Co are urgently needed. SG Fwd Phila—10/18 R B 10/26 with detailed report of the Federal Steel Foundry Co - SG To- Encloses letter from Federal Steel Foundry Co. giving proposed date of shipt of steel castings for. Please return to files of bu. 10-26 NYS 10-26	

NB—0120

[OVER.]

IDAHOP VALVES. 1917

Number.	Date.	From or To—	Subject.
21244 o	1-24	NYS	Deck operating gear for cutout valves in fuel oil lines; fwds estimated increased cost.D To Gen Inspr--1/27 To Change appvd. 1/27
212837	1-26	NYS	Distant control for steam stop valves, fuel oil service and booster pumps; tracing.D. To--Plans appvd with comment. 2/10
212834	1-25 To- Concurs in appvl plan. 1-3	NYS	Steam thrown stop valves and operating gear; tracing.D. To--Plans appvd. 2/2 NYS - fwds print 12/24 - D
216139	2-27	NYS	Extention of operating gear for bilge injection valves; est inc cost.D. To--Change appvd. 3/1 To Gen Inspr--3/1
216319	2-20	NYS	Omission automatic self closing valves; dec cost.D Fwd Sol--Rec appvl. 3/2 RB 3-8 To--Change appvd. 3/10 To Gen Inspr--3/10
217457	3-8	Union Water Meter Co	Chronometer valves; request specns covering.D To--Fwds specns.3/10
221802	4-9	NYS	Vance steam traps;plan.D.
222508	3/20 NYS - fwds prints 5/17 D NYS - fwds prints 6/1 D	NYS	Throttle and emergency governor valves for main steam line; arrangement in detail; fwds prints.D To--Plans appvd. 4/24 NYS lists plans that will be eliminated due to omission of 5/4 To--5/7

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N.S.E. Form 134.

IDAHO VALVES.

Number.	Date.	From or To—	Subject.	
223968	4/16	Insp. Phila	Monel metal castings - fwds results of physical tests S To Pitts--Waives deficiency. 4/21	
224967	4/26	NYS	Steam and exhaust valves in engine rooms, operating gear for - fwds plans D	
226210	5/2	NYS	Installation of cut out valves in bilge injection line - change in cost D To Gen Inspr--5/7 To--Change appvd.5/7	
228035	5/11	NYS	Operating gear for boiler stop valve - fwds contractors comments on Bureaus instructions for reducing number of beveled gears D To--Appvs.5/15	
228546	5/15	NYS	Distant control for steam stop valve arrangement and details - fwds print D	
230025	5/23	NYS	Steam traps - fwds plans D	

NB—0120

[OVER.]

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IDAHO: VALVES.

Number.	Date.	From or To—	Subject.	
208095	12/9	Exp Sta	Copy of letter to Consolidated Safety Valve Co, stating SE will furnish copy of report of test.D	
208253	12/11	Consolidated Safety Valve Co	Safety valves; request ~~authority~~ copy of Exp Sta's report.D To--When received will fwd copy. 12/12 Co ack 12/13	
208806	12-15	Exp Sta Test 758;	Safety valves; Consolidated Co. Reports.SD To Consolidated Safety Valve Co--Fwds copy of report of test. 12/16 To NYS--Test satis; directs inform contrs.12/16 To--Will furnish infor for the valves of any particular vessel when so reqted. 1/24	
209962	12/29	To NYS	Directs stop valves in steam pipes to fuel oil booster and service pumps be fitted with operating gear from deck or adjacent compartment.D NYS have requested contractors to expedite reply 1/17	
209960	12-27	NYS	Overflow valve from feed and filter tanks; fwds tracing changes table of relief valves.D To--Disappvd plan. 1/3	

N.S.E. Form 134.

IDAHO: VALVES. 563-20

1917

Number.	Date.	From or To—	Subject.
210941	1-8	NYS	Valves; metallic packing for.D TO -- appvd 1-12
211074	1-8	NYS	Operating gear for stop valves; fwds tracing.D To NYS--Plans appvd. 1/16
211133	1-10	NYS	Safety valves; copy of letter to exp sta forwarding quotation from letter of B&W Co probably due to misinterpretation of Govt formula.DS To--Plan appvd. 1/19 NYS reports change in number of plan 2/23
211187	1-8	NYS	Operating gear for valves on main steam lines; arrgt plans; tracing.D To--Plans appvd with comment. 1/16
211333	1-11	NYS	Relief valve after auxiliary exhaust main and dynamo condensers; fwds tracing with comments.D
211743	1-15	NYS	Operating gear for main bilge injection valves; tracing.D To--Plans appvd. 1/24
212175	1-22	NYS	Relief valves for steam piping to ice machine and evaporators; fwds plan for comment.D To--Plan appvd. 1/27

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[OVER.]

IDAHO: VALVE.

1916

Number.	Date.	From or To—	Subject.	
190910	6-14	NYS	Relief valves for au iliaryexhaust to dyanmo condenser; fwds plans .DR To-- ~~App~~ Disappvs; does not conform to specifications. 6/22	
191471	6/22	To NY	ARIZONA; relief valve for auxiliary exhaust connection to condenser; reqt plan of be fwd to NYS for use on IDAHO and copy to Bu	529-20
193360	7-12	NYS	Cannot test compartments unless gate valves are fitted in vapor pipes	563-8
194400	7-25	To Cramps.	Handwheels for valves; auth acceptance of .S	
195514	8/2	NYS	Miscellaneous relief valves; fwds plans·D To--Appvs. 8/12	
195508	8/2	NYS	Bilge and valves in engine rooms; fwds tracings·D To-- Appvs with modi and comment.8/12	
195813	8/4	NYS	Deck operating gear for boiler stop valves; fwds tracings.D To-- Appvs with modi and comment. 8/15	
196364	8/12	C&R	Handwheel; boiler safety valve easing gear; recommends moving closer to bulk-head.D Retd--Comments on. 8/14	

N.S.E. Form 134.

IDAHO: VALVES. 563 — 20

Number.	Date.	From or To—	Subject.
196429	8/9	NYS	Easing gear, boiler safety valves; arrangement and detail plans; fwds; objects to moving walls closer to bulkhead. D To—appd with modification 8/18
197009	8-15	NYS	Relief valves; plan. D To — appvd 8-23
200867	9-28	NYS	Self closing valves for use between cruising turbines and ahead turbines; fwds tracing. D To—Plans appvd with modi and comment. 10/11 NYS reqt reconsideration 10/20 To—Reconsiders and appvs plan as originally submitted. 10/24
205054	11-9	NYS ?	Monarch gate valves; request loan of Bureau tracings for making finished plan. D To—Fwds prints reqted. 11/11 NYS fwds plans 11-14
206286	11-22	NYS	Operating gear for bilge injection valves; question of cognizance between C&R and SE. D To—All work under SE. 12/1
207003	11-26	Pug Sd	H-1; calibration of; fwds W
207002	12-1	Exp Sta TEST 758	Safety valves; replim report. D
207002	12/2	To B&W To—Directs advise Exp Sta as to disposition of. 12/9	Exp. Sta report on Test #758. Accept of safety valves appvd. Directs bring quotation from report to attention of manufrs. D To NYS—Ditto. 12/2 Exp Sta asks what disposition is to be made of valves; recommends acceptance with reservation 12/5

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[over]

IDAHO: VALVES.

Number.	Date.	From or To—	Subject.
			1915
168164	10-12	NYS	Standard 12" cast steel valves; plan. DR TO -- appvd as mod 10-19
171266	11-8	NYS	Cast steel valves 14-1/2" Tracing. DC To-- ppvs. 11/24 NYS tracing received bearing Bu's approval stamp; letter of transmittal not received 11/27 To-- Fwds copy letter 11/24. 11/30
172463	11-27	NYS	Gate valves for receiver pipes; operating gear for; plan. DR To-- Appvs' 12/8
			1916
177008	1-21	NYS	Bilge injection valve for engine room comes under SE; fwds tracing. DR To-- Appvs with comment. 1/27
177000	1-21	NYS	Locking device for main injection valve; details; fwds plan. DR To-- Appvs' 1/27
177061	1-24	NYS	Bilge injection valves for engine room; question of cognizance. DR Fwd C&R--Comments on. 1/27 RB 2/3 To--Comments on. 2/5
177699	1-31	NYS	Contractors request approval of Lonergan type relief valves for piping to gen set. DR To-- Appvs. 2/5
178149	2/2 2/4	Hart NYS	Valves, bolts for, passed satis test. S Fwd Hart Via NYS--Auth acceptance. 2/10

N.S.E. Form 134.

563 -- 20 IDAHO: VALVES:

Number.	Date.	From or To—	Subject.
178071	2-4	To Cramps.	Valve parts; Co's order 159589; Bureau wavies the slight excess of lead in. S
179590	2-18	NYS	Relief valves for suction piping to reserve feed tank; fwds plan. DR To-- Appvs with modi. 2/26
179594	2-18	NYS	Reducing valve for steam to dynamo; Foster type; fwds plan. DR To-- Appvs. 2/26
179596	2-18	NYS	Relief valves; fuel oil booster pump discharge; fwds plan. DR To--Appvs with modi. 2/26
182905	3-25	C&R	Fit gate valves on bilge and injection piping. DR Fwd NYS--No action pending further information from C&R. 3/30 RB 4/1 To--Comments on. 3/30 To Dept--Rec appvl add valves. 3/31 RB 4/13
	Fwd C&R--4/4 RB 4/12 To NYS--Gives arrangement. 4/15		
182725	3-27	To Cramps. (3)	NYS orders for certain material; waives deficiency; auth acceptance. 3/27
184845	4-15	To Cramps.	NYS Co's order 167270; handwheels; auth acceptance of. S NYS inspector recommends acceptance 4-24
189117	5-24	NYS	Location of hand wheels for emergency boiler stop and safety valve easing gear. DR TO -- appvd 6-2
189532	5-26	NYS	Suction and discharge manifold in fire rooms; fwds plans/DR To--Appvs. 6/6

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IDAHO:(NEW) VALVES.

1914

Number.	Date.	From or To—		Subject.	
141813	12-10	NYS	3140-3881	Standard valves and hand wheels; reqt approval. D To-- Appvs. 12/12	
			1915		
148104	2-23	NYS	572-3881	Gate valve for overboard discharge; plan.D To-- Appvs. 3/2	
148142	2-23	NYS	573p3881	22" main injection valve; tracing.D To-- Appvs. 3/2	
152628	4-14	NYS		18" gate valve on dynamo turbine exhaust; plan.DR	
152705	4-14	NYS	1112-388	Sea valves 9"; fwds tracing. DR To-- Appvs. 4/22	
153289	4-23	NYS	1205-3884	Main circulating pump suction sea chest; fwds plan showing injection valve,etc. DR To-- Appvs. 4/28	
155044	5-25	NYS	1494-3859	Safety valves for boilers; Consolidation Co. Fwds print.DR To-- Appvs with comment. 6/4	
156820	6/4	NYS	1617-3884	22" safety sluice gate valves; fwds tracing.DR To-- Appvs. 6/11	
158450	6-18	NYS		10" exhaust valve dynamo turbines; plan.DR To-- Appvs. 6/25	

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N.S.E. Form 134.

563 -- 20 IDAHO: (NEW) VALVES:

Number.	Date.	From or To—	Subject.
160067	7-9	To NYS.	Automatic self-closing control valves for fuel oil service; directs omission of. N
160948	7-16	NYS	Valves for boilers; combined main and auxkliary; Fwds plan. DR To--Appvs. 8/2
163129	8/10	NYS 2188-3881	Miscellaneous gate valves; fwds plans.DR TO -- appvd 8-20
164893	9-1	NYS	8-1/2" high pressure valves; tracings. DR To-- Appvs.9/9
165344	9-20	NYS	Standard 3-1/2" high lift valves; fwds plan. DR To--Appvs.9/15
166247	9-17	NYS	Governor valves for main feed pumps; Ideal type; plans.DR To-- Appvs. 9/27
166492	9/22	NYS	Misc. gate valves, Monarch type; fwds list. DR To-- Apvs. 10/2
167063	9/29	NYS	Gate valves for receiver piping; fwds print.DR To-- Appvs. 10/6
167778	10-7	NYS	High lift sem valves; plan. To--Appvs.10/14
168162	10-12	NYS	Standard comp 7" valves; fwds plans. DR TO -- appvd as mod 10-19

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[OVER.]

Number.	Date.	From or To—	Subject.	
638248	8/23	To CO	Ship's rqn No 191 estimates cost of crank	Ya
639765	8/31	To CO USS IDAHO	Change in allowance list on USS IDAHO YA To Comdt Pug Snd- Cahnge in allow list 9/1 Ya CO 9/13 Y To CO- Reqsts amendment of changes cc EO SO vessel- Pug Snd- Mgr- SO 10/18	
639766	9/1	To CO USS MISSISSIPPI	Change in allow list on. Ya To Pug Snd Change in list 9/1 Ya To CO Requsts amendments be made cc EO vessel SO Vessel- Pug Sud Mgr- SO Ya	10/18
644849	10/12	To USS IDAHO	Changes in allowance lists. Ya cc CO Pug Snd.	

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.	
535777	12-20	To CO	Gives list of changes in allow list cc EO-SO ves - EO-SO Pug Snd Y To CO Gives action 12-20 To CO Addnl allotment authd cc S&A 2-1/21	
555361	4/5	To CO	Gives Changes in allow list cc EOSO Ves EO SO Pug Snd Y	
566587	5;23 5;25	CO Pac Btlship Force	Request allowance list of elec fans be increased by 5.Y To CO Gives Change in allow cc CO SO SO EO Pug Snd 6/11	
575219	7;11	CO	Annual inventories completed.Y	
598786	12/6	To CO	Quarterly money allotments Reqst inform rel expenditures of Na CO 12/29 Y	
602263	12/28	CO IDAHO	Rqst addtl money allotment be made cov repairs to boilers. Y To CO Allotment authd 1/5/22	

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N. Eng. 134

IDAHO ALLOWANCES 1922

Number.	Date.	From or To—	Subject.	
608163	2/8	To CO	Gives amendment of allowance cc EO SO vessel- Comdt Pug Snd 2/8 CO 12/17- Allowance list amended. 2/17 Y To CO-CHANGE #4-corrects allow list-2;24-Y	
633324	7/1	CO		
631276	6/30	CO	Annual inventory Y	
631888	7/15	To CO	Gives change in allowance cc EO SO yard- Vessel L	
633324	7/1	CO	Fwds balance sheet title B equipt, quarter ending 6/30.Y	

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N.S.E. Form 134.

IDAHO: ALLOWANCES

Number.	Date.	From or To—	Subject.	
4 523801	6-5	CO	Rqst stud drivers be added to allowance list - Y To CO- Gives additions for allow lists. copy to E.O. Vessela and E.O. & S.O. Ny. 6-9	
428855	6/25	CO	Rqst 1 bridge Meggar be added to allowance list. Y. To CO- uth to obatin the Bridge Megger.	563-2 7-3
457126	11/8	NYS	Copy of letter to NY reqsting disposition of spare parts not carried on board - Y	
457272	11/4	CO	Reqst amendment of allowance list covering oil cooler tubes - Y To- Gives amendments to allow lists. copies to E.O. S.O. Of vessel. and E.O. & S.O. Pug Sd. 11-14	
		1920		
469358	1-16-20	To CO	Fwd Blank allow lists. Y	
To CO Fwds apprvd Allow list 9-13 Pug Sd-11;30-Y Fwd CO 12-7		RB 12/27 Y	To Pug Snd Reqst be notified of receipt of allow lists 9-13 Pug Sd-12:9-Y	
474651	2-9	To CO	Gives changes for elec lists. copy to E.O. & S.O. Vessel and Pug Sd. L	

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563-21: IDAHO: ALLOWANCES:

Number.	Date.	From or To—	Subject.
479613	no date 2;27	CO Pac Flt	Request thermometers listed be added to allowance list.Y To PAC FLT-Changes in allow lists made.3-27 To CO- Directs prepare reqn for necessary thermometers. copy to PAC FLT. 3-29 To CO- Gives additions for allow lists. copy to E.O. & S.O. vessel & Pug Sd-PAC FLT.3-27
483373	3;17	CO	Request SE allowance list be amended to include gauges listed.Y Fwd PAC FLT. 3-27 RB-4;27-D&Y To CO- Gives additions to allow lists. copies to E.O. & S.O. vessel and Pug Sd. 5-3
489577	4/17	CO To CO-- Gives list of material added to Elec allow CC SO IDAHO EO Pug Snd SO Pug Snd 5-29 To CO Reqst detld inform re bearings 6-16.	Recommendations covering amendment to allowance list - Y To CO- Gives changes for elec allow. copy to E.O. & S.O. vessel and Pug Sd. 4-30 To CO- Gives additions to allow lists. Copy to E.O. & S.O. vessel and Pug Sd. 5-5 CO - states what bearings are reqd for - 5/19-Y
494525	5;6	CO IDAHO	Request one commuter slotting tool and one hundred slotting saws be added to allow list.Y to--disappvd 5-24.
503233	6;22 6;30	CO Pug Sd	Request information re shipment of spare parts for turbines, propellers and boilers.Y To C-in-C Pacific Fleet Gives detld inform CC C-I-C Alt Fleet-CO PENN - IDAHO 7-8
506732	7;10 7;21	CO S&A	Request special allotment covering matl listed.Y Fwd S&A. via C&R. 7-26
~~553377~~	~~12~~		~~Fwd S&A 12-18 Y~~ CO-fwds expenditure voucher-1;11-Y

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IDAHO: ALLOWANCES

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DUPLICATE

4

Number.	Date.	From or To—	Subject.	
8 373317	1;13;19 3;15	Ins. NYS Phila	NYS CO req. ammend allowance to call for impellers 1/6/19 RA To Inspr NYS amendment of SE allowance I-10	
389616	1;28 2;12 2;13	Ins. NYS NYS NYS	Req. copies of allowance report be fwded RA To- Fwds 4 copies latest type Elec lists. 2-8 Ins. NYS tel. allowance books ergently needed 2-10-19 RA To- Fwds four blank allow books. 2-11 To Inspr NYS- 2-20	
392188	2/5	Ins NY	Recommends spare parts listed be added allowance list W	563-6
378868	12/17	Ins. NYS	Req. all Sperry publications be supplied to IDAHO.	756
400780	3;5 3;7	CO Ins. NYS	Req. ammend allowance list to include gas analysis outfit and fuel oil testing outfit Y To- Lists amendments for allow lists. 3-14 copy to S.O. and S.O. E.O. Home Yd.	
403310	3;15 3;21 3;24 3;25	NY NYS NYS NYS	Fwds contr. let. relative to ommission of 1 set of armature coils for turbo generators from allowance Y To Inspr NYS- Directs omission of one set of armature coils etc. copies to E.O.&.S.O.Ny and E.O. S.O. Vessel. 3-22	
Allowance list turbo generators.				
403776	3;17	Ins. NYS	Fwds contr. let stating lead burning outfit for strg. bat. will not be included in allowance Y To Inspr NYS- Binding material and insulation will be omitted with the armature coils previously dropped from Allowance. 3-29	
To- Omit one lead burner outfit for storage battery from page 12. copies to E.O. & S.O. IDAHO AND E.O.& S.O. NY 3-24				

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N.S.E. Form 134.

IDAHO: ALLOWANCES

Number.	Date.	From or To—	Subject.
405347 6	3-24	SEE BELOW Inspr N.Y. Ship	Recommendations for modificiation of allowance list covering spare parts for general alarm going motor generator Y&R
To- Inform when new elec list type "B" will be finished. 4-1			
To- Fwds elec lists. 4-16 copies to E.O. & S.O.vessel and		SEE BELOW Inspr N.Y. Ship 4-25	To- Auth cancellation of all spare parts Yd. listed under Genera Alarm motor generators pages 4 and 26. 3-31
406882	3;29	CO	Req. add 3 sets of boiler makers tools to allowance list Y To CO- Lists changes for lists. 4-1 copy to E.O. & S.O. NY
406955	3;21	Ins. NYS	Spare parts stores and tools fwds list of D&Y
414551	4;21	CO	Req. air hose be added allowance list Y
414505	4;21	CO	Req. ammendment allowance list to include thermometer listed Y To CO- Lists amendments for allow lists. copy to E.O & S.O. of vessel and NY yd. 563-2
405346	5-9 To CO- Fwds appvd lists.5-27 CO-8;17	SEE ABOVE fwd CO 8/29	To Inspr NYS- Reqts delivery of books be expedited. 5-9 To Inspr NYS- Lists change in allow to be made. 5-24

IDAHO: ALLOWANCE 1918

Number.	Date.	From or To—	Subject.
288581	3-9	Phila	Allowance, mill cutters, etc. Asks where catalog numbers were obtained. RA Fwd Phila. 3-14
299546	4-17	Phila	Asks catalog referred to in allowance list. RA To — Reqts copy SO let 3-9-18 4-23 RB 5/1 To- Numbers of milling cutters are taken from Brown & Sharp catolog. 5-2
299598	4-23	To CO, SO's and Yds	Change SE elec allowance in accord with approved lamp list as listed 4-23 LR
305862	5/2 5/8	NYS Phila	Change in allowance list covering boring bars -RA
313640	6/4	NYS	Fwds plan showing vertical simplex featherweight air pump - also list of spare parts and special wrenches for - D
348456	9-27	NY ship Ins.	Req. tube gears be supplied for government

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
316497	6;13	Inspr NYS	Fwds spare transmitter weights distilling air pumps	
3 342165	8-28	NYS	Reccommends changes in electrical allowance list - RA To Ord, Re S E Elec allow list 9-16 To Inspr NYS Re S E Elec allow list 9-23	
Inspr. New York Ship Oct. 28 - Will fwd revised book within few days				
347237	9-9	Ins NY	Allowance list. req. blank. L To Inspr NYS Fwds allow books, 9-21	
347238	9-9	In.NY	Storage battery testing satisfactory, additional to allowance. L To Inspr NYS changine S E Elec allow list 9-17	
354911 1	LQ/2	NYS	Store batteries asks spare parts to be shipt	563-5
357562	10;10	Ins. NY Sh	Req. allowance list for increase to include additional set of thrust rings for each size of adjusting block for throttle of RA Fwd Senior Officer via Inspr of Mchy, 10-30	
370153	11-20	To Inspr Camden	changes in allow., R/	
370153	11-18	New York Ship	Request authority to annel S&E allowance list	RA

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IDAHO: ALLOWANCE.

1917

Number.	Date.	From or To—	Subject.	
259168	11/7	NYS	Electrical allowance - recommends changes in parts for indicators - RA & L To- and Eng Off-Phila-Supply Off Phila- Lists changes for allow books. 11-14	
259814	11/9	NYS	Request instrns Re number spare flanges to be furnished - RA To- lists spare flanges needed. 11-13	
261072	11/15	NYS	Contractors state all items under titles B of allowance lists have been ordered RA	
261073	11/15	NYS	Recommends changes in allowance list - RA To- Lists amendments for allow lists.11-20 NYS - fwds allowance 12/12 - R To- Acknowledges receipt of allos book. 12-15	
263191	11-27	To NYS	Allow books-pages for. Fwds one copy of page 27 and 4 copies of page 81. 11-27 R	
265574	12/5	Phila	Request copy of allowance list - RA To NYS- eqt fwd above copy. 12-8	
3 265702	12/6	NYS	States allowance books have been changed to call for target fuel equipment.R To- 150 dry dells will be furnished Grether lanterns by the government. 12 -11	

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N.S.E. Form 134.

IDAHO: ALLOWANCE. 563 - 21

Number.	Date.	From or To—	Subject.
266923	12/12	NYS	Calls attention to error in allowance book calling for testing apparatus of four separate shunts - To- Your assumption correct. 12-17
273222	1/11	NYS	Recommends omission of armature grinding tools from allowance - R To- Gives changes for. 1-17
275140	1/19	Phila	Asks type of portable safety lanterns to be supplied.R (Cross to 563--5) To- Allow calls for 30 float type and 50 Grether portable elec lanterns with all spare parts to be furnished by government. 1-26
280156	2-6	Phila	Request addition of certain items not in standard stock catalog; asks if stock to be maintained.R (689-15) Fwd. 2-14
280993	2-11	NYS	Recommends addition of truck light controller to allowance list. R To- Gives changes for allowances. 2-20

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[OVER.]

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IDAHO: ALLOWANCES:

1916

Number.	Date.	From or To—	Subject.
180164	2-26	NYS	Rect blanks for preparing.R To--Fwds. 2/29
192785	7/7	C&R	Location of elec stowage repair shop and elec supplies and issuing room.L Retd-- Comments on. 7/10
205880	11/20	To NYS	Fwds 2 copies of SE and 2 copies of SE Elec allowance blanks. R
207685	12-7	NYS	Elec allowance list; fwds.R To--Returns apprvd. 12/29 NYS fwds elec allowance 1/6

1917

214929	2-15	NYS	Spare parts; fwds list of those disputed by contractors. D To--Gives action on. 2/17
216005	2-26	NYS	Request loan of ARIZONA list as guide in making up. R To--Fwds Bu copy. 3/20 NYS request additional blanks 3/21 To--Fwds blank allow.3/28 NYS returns ARIZONA'S 4/2
223200	4-16	NYS	Allowance list elec; submits proposed changes. R Fwd--Gives action on.5/2 R B 7/16 NYS - Allowance list not received 5/22 L To--7/21

NB—0120

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N.S.E. Form 134.

IDAHO: ALLOWANCES.

Number.	Date.	From or To—	Subject.	
228047	5/7 Fwd S&A via Ordnance- 10-13-- Fwd C&R-11-13	C&R RB-11/2	Submits proposed C&R allowance titles B&Y -R Fwd C&R via Ord S&A--5/18-RB-10/10 with gen suggestions and rec by S&A & C&R as to method of determining actual weights for new vessels-ND&L To NYS--Fwds allow.5/23 (Cross to Weight card)	
241775	8/3	To NYS	Gives changes to make in allow. LR	
247435	9/5	To NYS	Reqt submit allow list. R NYS will forward by the 22nd 9-13	
248289	9-13	To Ny Ship.	Change of SE electrical allowance books. 9-13 NYS--9/19. To--Gives change to make in allow.9/22	
248456	9-13	To Ny Ship	Reqt that contractor submit list of spare parts and tools for approval. 9-13 NYS - fwds allowance book - 9/27 R To- Returns allow lists. 10-22 NYS - 10/25 R	
252728	10/3	NYS	To- Fwds copies of allow lists.One page which was omitted. 10-31 Recommends changes in allowance list - R To--CO Phila--Gives changes to make in.	10/10

NB—0120

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1916

IDAHO: WHISTLES.

Number.	Date.	From or To—	Subject.	
208738	12-13	NYS	Steam siren; fwds plan D To--Plan appvd. 12/20	
209433	12-20	NYS	10" whistle; plan.D To--Plan appvd with modif. 12/28	
313162	6/22	Inspr NY S	List Whistle control for Idaho. L	730
452077	10;9	CO C&R Reqn113	Klaxon hors - hand operated - disapproved - recommends whistles or sirens for motors in place of.	

NB—0120

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

IDAHO: AIR COMPRESSORS. 1916

Number.	Date.	From or To—	Subject.
198488	9/5	C&R	Gas ejecting system; fwds plan. D Retd-- Plan satis. 9/8
217956	3-13	Bd on Changes, NYS	Purchase from NYS Co. air compressors; inc cost.
253826	10/9	C&R	Log desks - asks if to be installed only in main air compressor room - D Fwd C&R--10/11
287781	3-8	NYS	Gas ejector system - have directed NYS to parallel motors to avoid overloading of either machine - similar work done on MISSISSIPPI D NYS-Paralleling motors auth. 3-13 NYS - Fwds print. L 3-29 To- Plan appvd. 4-2
313853	6/5	NYS	Fwds blue print showing power system 3rd deck aft in connection with cross connection for air compressors - L (Cross to 5)
414509	4:21	CO	Blake & Knowles air compressor submits report of unsatis. condition of and ask if Company will replace parts D&Y To- Fwds copy of Worthington letter. 5-7th. 5-10

To Worthing Pump Co- Reqts supply new parts for pump. Fwds letter from CO. 5-1 copy to CO. Worthington Pump Co 5:7

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	
452772	10-16	Inspr NYS	Compressed air system; connections to evaporator room and electrical steering gear room - from. Estimate of increased cost.	D
464442	12;16	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Compressed air system-connections to evaporator room and electrical steering gear room-fwds estimated increase in cost.D	

NB—0120

[OVER.]

IDAHO: AIR COMPRESSORS:

Number.	Date.	From or To—	Subject.	
135350	1-5	To NYS.	Desires specifications be changed to provide for two additional compressors, rect estimates on	554-1
149794	3-12	NYS 780-M-3894	Air compressor, Blake, vertical, tanden, 2 stage, electric driven; fwds plans of.D To--Appvs with modie and comment. 3/20 NYS have renewed request on contrs for estimate 3-22	
151643	3-31	NYS 972-3834	Estimate for inc cost for 2 additional air compressors.Y To-- Change auth. 4/7 To Gen Insp-- 4/7 To--Add air compressors not required. 6/3 To Gen Insp- Change in. 6/24	
151245	4/16	C&R	Asks if installation of additional air compressor and reabrangement of compressor room will be required	562-23 554
153693	4-27	NYS 651-265	Air compressor; fwdsplan of motor controllers, etc. for operating. L To--Appvs with comment. 5/5	
155516	5/20	NYS	Air compressor; states ample room to remove generator.L To-- Appvs. 5/25	
155984	5-26	NYS	Spares for; fwds list.DR To-- Appvs. 5/28	
157817	6-14	NYS	Additional air compressor; cancellation of order; sub-contractor states work well advanced Fwd NY--For comment. 6/17 RB 6/23 To NY--Auth installation 4 compressors on CALIFORNIA. 6/24 To--Auth purchase of. 6/24 To--Compressors will be furnished by contr's as change in cost. 8/7	
		To NYS-- Compressors should be charged against CALIFORNIA. 1/13 To NY--Re submission of reqn.1/13 To Gen Insp--1/13		

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N.S.E. Form 134.

IDAHO: AIR COMPRESSORS. 563-23

Number.	Date.	From or To—	Subject.
158760	6-22	NYS	Air compressor; additional; reqt early decision. DR
166269	9/20	NYS	Additional air compressors; Blake & Knowles instructed toship to New York Yd. DR To--Instructions re marking. 9/23
175316	1-4	C&R	Gas ejecting system; test pressure 200# satis. R. Retd--Satis. 1/5
183743	4/4	GE	Blake & Knowles air compressors; fwds test of elec equipment. S To-NYS-- Fwds copy test data; prelim acceptance. 4/8
186131	4-27	GEP	Air compressors; reports on elec equipment for. S. To CO-- Gives test data on. 5/6
187718	5-12	C'R	Compressors; gas ejecting system; and torpedo air cross connection plan. DR Fwd Ord--Plans satis. 5/26
188986	5-23	NYS	Arrgt air compressors, piping, in compressor room; tracings with comments. DR TO -- app d as mod 6-2
198102	8-28	NYS	Compressed air system; genl arrgt; tracing. D To-- Appvs. 9/8

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N.S.E. Form 134.

IDAHO: GUAGES.

Number.	Date.	From or To—	Subject.	
452770	10-16	Inspr NYS	Port Shaft counder and guage board extension- Estimate of increased cost.	D
452792	10-16	Inspr NYS	Installation of guage glass, forward end of center engine room, for main feed tanks- Estimate of increased cost.	D
464461	12;16	Inspr NYS	Installation of gauge glass forward end of center engine room for main feed tank-fwds estimated increase in cost.D	
464467	12;15	Inspr NYS Fwd Solicitor. 12-26 RB-1;2	Installation of port shaft counter and gauge board extension-fwds estimated increase in cost.D	
482353	3;18	Brown Ins Co	Asks where vessel is located in connection with adjustment of connecting thermometers on stacks. DR&V To- Take up with CO when practicable for representative to visit. 3-20	
459559	4;10	Pug Sd	Request action taken on pneumercator system.	563-2
515210	8;26	CO	Request addtl thermometers for evaporators-fwds sketch.D	

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563-24: IDAHO: GUAGES:

Number.	Date.	From or To—	Subject.	
543955	1;17	CO	Request remove torsion meters from No.2 and 4 shafts. Y To C-I-C Pacific Fleet-- Reqst inform re removal of torsion meters cc Pac Fleet Pug Snd CO 2/4/21	
598237	11/23	C O	Request detailed drawings of Bowzer oil meters To CO- Fwds prints 12/8	D
621614	4/22 4/27	CO Pac Fleet	Report covg condition of torsion meters upon being removed D To C-I-C Pacific Fleet approved cc Pug Snd 5/12	
634844	9/27	Pac Fleet	Fwds letter from CO IDAHO stating guard for gauge glasses on boilers unsatisfactory D	658-5

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Number.	Date.	From or To—	Subject.
379634	12;14 12;21	NY C&R	Request drawings of suplementary cont. to Pneum. Co covering equipment required for 2 additional fuel oil tanks for indicating and annunciating systems on D
379708	12-18	Inspr. NYShip	Fwds copy contractors letter stating pressure gauge have been awaiting inspection since Nov. 27 D
380368	12;24	NYS	Unsatisf. pressure gauges furnished by Ashcroft Mfg. Co., fwds rep on D
379780	12-26	Fwd Inspr Hartford	Pressure gauges for. Inspection of. Reqts insp ect at once. P R B 12;30 Fwd NYS 1/2/19 R B 1;6
406160	3;26	Ins. NYS	Trasi on meters in connection with rubber pads for D To Inspr NYS- Bur approves omission of rubber for card holders 4/4

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N.S.E. Form 134.

IDAHO: GAUGES

Number.	Date.	From or To—	Subject.	
419375	5;17	NY	Cummings stop clock in engine room, not giving satisfation D To Cummings Ship Insturment Co- Reqts put instruments in proper order. 5-20 Cummings Instrument Wks. 5;22 To CO- Reqts shipt instruments to Cummings CO for overhaul. copy to Cummings Co. 5-28 CO copy of letter to CUMMINGS fwding clocks for overhaul 6;11 D	
427382	6;20	C&R	Memo of telephone conv. with Pneumeracator Co in connection with urgent repairs to pneum. sys Y To C&R- 6-26	
432557	7/14	Inspr NY Ship	Modification in testing and measuring instruments. Submits estimate of decreased cost. L. Fwd Solicitor/ 7/24 RB 7-30	563-3
440370	8;18	Inspr NYS	Copy of letter to NY in connection with overhauling and repairing numeracator system on board.D	
447555	9;29	CO	Request alterations to torsion meters installed to main shafts.Y	

IDAHO: GAUGES

Number.	Date.	From or To—	Subject.	
223844	4/19	Insp. N.Y ship	Indicator thermometor for uptakes-fwds To NYS--Appvd. 4/24	
225679	4/30	NYS	Fuel oil service system ; Bowser meters; fwds prints.D	
238146	7/12	NYS	Fuel oil service system - Bowser oil meters - fwds prints D	
239041	7/16	NYS	Arrangement of eneumercators and connections for fuel oil tank - fwds prints and copy of correspondence D	
239041	7-26	To NYs	Plan showing arrgt of pneumercators and connections for fuel oil tanks appvd.D NYS--7/27D To NYS--7/30	

N.S.E. Form 134.

563 -- 24 IDAHO: GUAGES.

Number.	Date.	From or To—	Subject.	
246501	8-28	Bd on Changes NYS	Substitution of 1-1/2 inch meters on fuel oil service discharges, for 4 inch meters on fuel oil supply suctions N Fwd Sol--9/1 RB 9/7	
		1918		
280097	2-7	NYS	Alterations to plans, due to changes in Pneumercator system; fwds prints.L	
360162	10;18	Ins. NY ship	Gauge glass for feed tanks D To Inspr NYS, comments re above 10-29	
364217	10/30	NYS	Request port gage board be fitted with revolution counter for port shafts - D To Dept, re control of revolutions of main engines 11-2 To Inspr NYS Estimates of above will be fwd 11-2 NYS - request reconsideration - 11/25 - D To Dept 11-2 RB 11-9 ToInspr., Camden, approves re above, 11-8	
375182	12/6	Bd. of Inspr.	Preliminary trial. Rusts prints showing location of gauges etc. D.	563-2

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[OVER.]

IDAHO: GAUGES:

Number.	Date.	From or To—	Subject.	
			1915	
149229	3-9	NYS	Pneumercator system; DR To-- Instructions. 3/12	
161945	7/28	NYS	Counters and indicating devices for main engine; reqt approval of. DR To-- Appvs. 8/3	
			1916	
179060	2-12	Harrison Safety Boiler Wks	Re installing Cochran Precision meter for measuring water. D To NYS--Rect contr's submit estimate for installation. 2/15	
190787	6-14	NYS	Cochran precision meter for distilling plant; estimated increased cost. DR Fwd Dept--Rec installation be made. 6/22 To-- Change appvd. 6/28 To Gen Insp--6/28	RB 6/26
191329	6-19	NYS	Stowage space for fuel oil and gas analysis apparatus; water testing outfit, etc. fwds print. DR To-- Appvs. 6/27	
199800	9-19	NYS	Cochran distiller mater; fwds plan. D To-- Appvs with comment. 9/26	
202807	10/18	NYS	Gauges for aligning shafts; prints. D To--Plan appvd. 10/26	

N.S.E. Form 134.

IDAHO: GAUGES: 563-24

Number.	Date.	From or To—	Subject.
206092	11-20	NYS	Pressure and vacuum gages; specns and requirements for; asks if must be forwarded to NY for test.D. To--Instrns. 11/25
			1917
211309	1-9	NYS	List of gages; fwds tracing.D To--List appvd with modif and comment. 1/18 NYS fwds mod list gages 2-1 To--Appvs list. 2/10 To 2/20
211306	1-10	NYS	List of ~~terme~~ thermometers and plans.Fwd.D To--Appvs list. 1/17 NYS request action 1/27 To--Fwds plan and blue print. 1/30 NYS request additional plans 1/31 To--Fwds appvd thermometer list. 2/5
213398	2-2	NYS	Substitution of single for duplec gages fuel oil filters and heaters.D To Gen Inspr--2/5 To--Change appvd. 2/5
215787	2o20	NYS	Substitution of 1-1/2" fuel oil meters on in lieu of 4"; plan and estimate.D NYS (T) request immediate action 3/6 To--(T) Install referred to Dept for appvl.3/7 To Dept--Appvl urgently rec. 3/7 RB 3-14 NYS aks disposition to make of 3-17 To Gen Inspr--3/16 To--Change appvd.3/16 To S&A--Reqt shipt of four 4" fuel oil meters from NYS Co to Phila.3/26 NYS shipped on 5th 4-6 NYS fwds memorandum of shipment 4/13
217958	3-13	Bd on Changes, NYS	Substitution of 4-1/2" single for 6 " duplex gages for feed water heaters. inc cost.N
217961	3-13	ditto	Installation of Cochrane precisionmeter for measuring the condensate from the distilling plant; inc cost. N Fwd Sol--Rec appvl.3/16 RB 3-23

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563-25

IDAHO: RECORD OF WORK:

Number.	Date.	From or To—	Subject.	
422327	8;1	CO	Quarter ending June 30.Y	
450665	10-1	Puget Sound	Quarter ending 6/30. Y	
452047	10-1	CO Vestal	Quarter ending 9/30. Y	
469750	1;1	USS VESTAL	Quarter ending December 31st.Y	
489037	4/1	VESTAL	Quarter ending 3/31 - Y	
489782	4;1	CO	Quarter ending March 31st.Y	
507629	7;1	CO VESTAL	Quarter ending June 30th.Y	
507651	7;1	CO VESTAL	Quarter ending June 30th.Y	
523861	10;1	CO VESTAL	Quarter ending Sept 30th.Y	

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N.S.E. Form 134.

IDAHO RECORD OF WORK 1921

Number.	Date.	From or To—	Subject.	
542288	1-3	CO VESTAL	Quarte endi t 21/31 Y	
557605	3;31	CO VESTAL	Quarter ending 3;31.Y	
560218	4;1	CO	Quarter ending 3;31.Y	
575643	7/1	CO VESTAL	Quarter ending 6/30 Y	
590665	10/1	CO VESTAL	Quarter ending 9/30. Y	
592727	10/1	CO	Quarter ending 9/30 Y	
605757	1;1 1922	CO VESTAL	Quarter ending Dec 31st/Y	
606483	1/1	CO	Quarter engine 12/31.Y	
619253	3/31	CO	Quarterly inspection report.Y	
632420	7/1	CO	Quarter ending 6/30. Y	

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563-26

IDAHO: AIRPLANES:

Number.	Date.	From or To—	Subject.	
459024	11;20	Pac Flt copy	Asks whereabouts and probable date of delivery of airplanes platforms for type turrets- IDAHO & NEW MEXICO.DA	
475118	2;9	C&R	Copy of shipment order covering airplanes from aircraft factory to SanDiego for.DA	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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IDAHO SURVEYS 1922 5

Number.	Date.	From or To—	Subject.	
634830	7/3	97	Cylinder block Y	
642689	9/19	Pug Snd 157	Mirrors Y To Pug Snd- survey appvd cc NY 10/5	

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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IDAHO: SURVEYS 1921 4

Number.	Date.	From or To—		Subject.
582024	8/18	PS	28/22	Gear, Cylinder, Piston Y
584484	6/17	NM	167	Storage battery L
578095		SEE CARD 3		To Van Blerck Motor Co Reqst inform rel reverse gear type of 9/27 Ye Van Blerck Co-submits list of Bureau numbers engine numbers and type shipped-9;29-Y X to 611-2 To--Reqst inform 10/8 Van Blerck Co-submits quotations-10;11-Y Van Blerck Motor Service Co.- 60 days required to get material together. 12/1 Y To Van Blerck Motor Svc Co- ack receipt or inform 12/6
588457	9/21	Comdr	30	Cam shaft Y To CO Reqst serial number of engine 10/7 CO 11/23 Y
593615	9/8		34	Searchlight Mirror L
595723	10;28	CO PENNSYLVANIA	47	Cylinder block,piston,crankshaft,etc.Y

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N. Eng. 134

IDAHO SURVEYS 1921

Number.	Date.	From or To—		Subject.	
597742	11/8		48	Engine Bearings Y	
597743	11/10	CO	50	Batteries, Telescope Y	
601230	12/1	Pennsylvania	54	Bearing, Connecting rod Y To CO Reqst Inform 1/5/22 CO 2/15 Y	
612356	2/20	NEW MEXICO	71	Magneto Y	
612358	2/20	NEW MEXICO	65	Gauge Y To CO- Reqst inform rel to listed material 3/15 CO IDAHO 4/8 Further information rel to surveys Y	
612533	2/25	New Mexico	80	Mirrors Y	
613458	3/4	New Mexico	74p	Manifold, Reverse gear Y	
614787	2/2	IDAHO	73-22	Power boats engine material Y	

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IDAHO: SURVEYS 1921 3

Number.	Date.	From or To—		Subject.	
554256	3/24	PS	143	Bulb Y	
554257	3/24	PS	128p	Hose, Y	
554258	3/24	PS	139	Pump plunger, Circulating pump Y	
554261	3/24	PS	131	Hammer, Torches, Piston rod y	
554260	3/24	PS	117	Electric steam insulator, Transmitting cond Y	
554339	3/25	PS	134	Stove, Gears Y	
554340	3/24	PS	129	Gauges, Y	
554341	3/24	PS	119	Chain hoise, Manifold Y	
554337	3/25	PS	142	Buzzer set, Vacuum tubes Y	
554342	3/24	PS	118	Telephone Condenser Y	
554343	3/24	BS	130	Thermometer Y	
569250	6/3	Comdt	165	Oil pumps Y	
569243	6/7	CO	164	Motion picture machine Y	

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N. Eng. 134

IDAHO: SURVEYS 1921

Number.	Date.	From or To—		Subject.	
572134	6/21	MI	166	Coils Y	
576922	7;1	CO		Quarter ending June 30th.Y	
578098	7/26	PS	15	Vise Y	
578095	7/26	PS	1	Clutch Y	
CO-gives engine number 8;20-Y To CO Reqst inform 8/30			CO-9;12	To CO IDAHO- Gear unsuitable for use 8/11 Ye 2C Comdt PS	
578267	7/27	PS CARD 4	4	Propeller, Piston, Wrist pins Y	
578663	7/29	PS	13	Engine, Cylinder Y	
578662	7/28	PS	18/22	Propellers, Gauges Y	
579526	8/1	PS	22/22A	Armature, Y	
579529	8/1	PS	21/22	Ball bearing, Propeller ;Ammeter Y	
579533	8/1	PS	2	Tubes, Spark gap units Y	
581782	8/16	PS	27	Circulating pump Y	

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IDAHO: SURVEYS 1920 2

Number.	Date.	From or To—		Subject.
510917	8/6	CO	7/27	Vacuum tube, Head set. - Y
510916	8/5	CO	7/31	Hauck kerosene, torch, Hose, Bearings- Y
511731	8;9	Pug Sd	51	Flexible hose.Y
511732	8;9	Pug Sd	48	Piston and cylinder block.Y
511951	8;12	Pug Sd	9	Bulbs.Y
511950	8;12	Pug Sd	32	1000 pounds calcium chloride.Y
511949	8;12	Pug Sd	19	Emery wheel torches milling cutter etc
511948	8;12	Pug Sd	10	Thermometer.Y
511947	8;12	Pug Sd	8	Vise.Y
511945	8;12	Pug Sd	37	Coils.Y
511946	8;12	Pug Sd	16	Propellers.Y

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563-27: IDAHO: SURVEYS:

Number.	Date.	From or To—		Subject.
511944	8;12	Pug Sd	34	Gauges and indicator.Y
511943	8;12	Pug Sd	43	Tuning up buzzer radio blinker set,etc.Y
511942	8;12	Pug Sd	41	Storage battery.Y
511952	8;12	Pug Sd	17	Cork floats and propeller.Y
511919	8;11	Pug Sd	19	Motor boat engine material.Y
511921	8;12	Pug Sd	39	Motor boat engine material.Y
511920	8;11	Pug Sd	54	Clutch brake and gear.Y
512398	8/13	Pug.Sd.	60	KK engine Y To Puget Sd. reqst report 8/24 RB-9;30-Y
512990	8-17	Pug Sd.	59	Coils, exhaust valves; Y
542965	12/21	NEW MEXICO	88	Propeller Y
554263	3/24	Pug Sd	132	Saw Y
554264	3/24	Pug Sd	141	Starting gear, Gauges Y

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1919 ~~1920~~

IDAHO: SURVEYS:

Number.	Date.	From or To—		Subject.
468581	10;28	CO	22	Audion bulbs.
468580	6;24	CO	19	kk Engine pistons and connecting rods.Y
468579	9;20	CO	13	Gauges.
468578	9;12	CO	11	Gauges.
470205	1;9	CO	44	1920 Audion bulbs and transmitter bulb.
476739	2;5	Pac Flt	50	Valve rod.Y
476738	2;7	Pac Flt	57	Engine spares.Y
476740	2;5	Pac Flt	52	Connecting rods,eccentric strap.Y
476741	2;5	Pac Flt	49	Coils.Y
476742	2;5	Pac Flt	48	Precision thermometer.Y
476717	2;5	Pac Flt	53	Gland for use on Terry blower.Y

4—3381

N.S.E. Form 134.

1920

563-27: IDAHO: SURVEYS:

Number.	Date.	From or To—		Subject.
481169	2;5	NEW MEXICO	51/SE	Ball bearing.Y
481170	2;23	NEW MEXICO	62/SE	Metal slitting saws~~and~~.Y
481171	2;26	CO	70/SE	Vise.Y
481172	2;28	CO	73/SE	Thermometer.Y
481173	2;23	NEW MEXICO	61/SE	Flexible coupling shaft.Y
482795	3;10	CO	72	Piston for kk engine.Y
484857	3;23	Pac Flt	p 77	Hose.Y
497166	5/21	NEW MEXICO	93	Pistons Y
498599	5;27	Pac Flt	96	Engine parts.Y
503323 2	6;15	Pac ~~Air~~Flt	97	starting motor for Sterling engine.Y
				To --Reqst report be submitted as to work 7-10. RB-8;12-Y
510462	7;30	CO		Propeller sailing launch.Y

IDAHO: RADIO. 1914

Number.	Date.	From or To—	Subject.	
116203	1/28	To Phila.& S&A.	5-kw set; contract 133;request shipment from NY to Phila.W	
116255	1-29	NY R	Wireless Spec set now under test;MARYLAND set will be shipped Feb 23.W	
116197	1/29	To S&A	Request shipment from IDAHO to PRESTON of receiving set.W	362-6
116830	2-4	Phila 538-357	Estimate for.W Fwd Dept.rec appr.2/5 FB 29 To---appd.2/9. To S&A.request shipment of 5-kw set from Phila.to NY.2/9 Phila no opportunity to transfer 12-7-15	
117083	2/10	To CO via Phila.	Expedite shipment of radio receiver to PRESTON.	402-6
126632 Phila	6-6 12/18	To Phila.	Directs that new receivers be removed and old substituted if vessel is sold W To--Asks action taken. 12/3-14 TO -- reqt information 12-15 re MASS set,ex	
130145	7/17	Phila. T	Installation of 5-kw set completed Apr.25th.W TO Wireless Spec Co. (T) 7-17	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

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IDAHO: SPECNS

1915

Number.	Date.	From or To—	Subject.	
147180	2-13	Nav Intel	Asks for specns.D Fwd Dept via C&R--Will furnish if appvd by Dept. 2/15 Fwd Nav Intel-- Fwds specfns. 2/27	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
44735	7/27	Dept 28004-1-78	Report B, engrg. trials. F&Y Fwd Dept. 8/25.	
49297	9/25	TO CO C.Dorn & Nav.Acad	Re test of Dorn trap valve on. 9/25	719
			1912	
84170	12-3	Dept 280084-1-391	Eng.Comp. report "A"; fwds. F To Phila.Requests examine to see if caps of main engine bearings are tight.12/6. Ret---12/9. Caps are tight; no side motion but think bearing too narrow.12-13	
			1913	
101851	7/19	Dept.	Engrg Comp. Report B.	765
108453	10-22	Dept	Eng.Report A; fwds. F Ret---10/23.	
109499	10-20	Dept	Umpires report;fwds. F Ret---11/5	
			1914	
114246	1/6	Dept	Naval Academy Prac. Squadron, assigns to	754

N.S.E. Form 134. OLD

IDAHO: TRIALS: MOVEMENTS: ETC. 237 — 2

Number.	Date.	From or To—	Subject.	
128233	6/24	Dept	Fwds proposal of Greek Naval Attaché giving terms for purchase	291-2
128425	6/26	Dept.	Quotes proposed draft of cablegram to Midshipmen Practice Squadron re sale of.Y	
128259	6/25	Dept	Fwds copy of amendment to Naval appropriation bill passed by House, not yet passed by Senate, authorizing sale of to Greece	291-2
128770	6-24	Fowler, Hon H.R.	& MISSPSSIPPI: asks speed at present time and date of delivery.Y To---gives data.7/2.	
129007	7/3	To Phila	Directs transfer of stores, patterns, spare parts, etc., from yard to ship	291-2
129144	7/6	To CO ~~MISSISSIPPI~~-	Fwds photolithographic machy plans to be delivered with vessel to Govt of Greece.	291-2
139672	11-16	To Wash.	Fwds records of Engineer Department; hold for further instructions. M Washn ack 11-16	
142532	12-11 12-19	NYS C&R 99	Division contract price; fwds from NYS	

NB—0120 [OVER.]

1912

IDAHO: ELECTRIC OLD PLANT:

Number.	Date.	From or To—		Subject.
62037	2-14 2-23	C.O. Phila	536-145-5	Repairs to call bells, annunciators, searchlight armatures, dynamotor for call bell circuits, etc.L. Ret Phila.work auth.2/27. RB 3-6
62641	2-29 3-4	Phila Dept	536-383-5	Estimate for el c. work in connection with installing tube hoists for 12 and 8" turrets; will necessitate shifting all elec. wires in turret base and install larger feeders; elec. work held up pending decision on EofV ap:pro. L Ret Dept.Est.exceed nec.cost; new est.will be rectired.3/16. To Phila.Estimates excessive--not appd.3/18. RB 3-22 a'ppd Fwd Ord.3/25.
63809	3-15	Phila	536-383-5	Tube ammunition hoist; will submit new estimate;reqt. vandyke type plans.L To---No plans available; should inspect KANSAS'S installation.3/19.
64133	3/2o.	Phila.	536-383-5	12 and 8 inch hoists; submits detail estimates.L Fwd Dept.rec appr.3/21. RB 3-23 a'ppd Fwd C&R.via Ord.3/23. RB 4-1
64230	3-21	Phila	581-383-5	Amended estimates for elec.work in connection with 12" and 8" tube hoists.L
68633	5-11	C&R	27908-E.20	8 and 12" ammunition hoist; fwds print showing arr. elec fittings for comment.L To---Plans satisfactory as commented upon.5/15.

N.S.E. Form 134. OLD

IDAHO: ELECTRIC PLANT. 237---3

Number.	Date.	From or To—	Subject.
69611	5/23	Phila. 536-383-5	Revision of estimates for work in connection with 12 and 8" tube hoists. L Fwd Dept via Ord.rec appr.5/25. RB 5-31a'ppd To---appd.6/1.
71753	6-20	CO	Reqt. bridge megger. L. To---Motor generator testing set ordered in lieu ofmegger.6/24.
			1913
418728	5-14	CO	Requ prints L

NB—0120

[OVER.]

IDAHO: INT.COM.SYSTEM. 1913

Number.	Date.	From or To—	Subject.	
No #	8/19	To Sub-Target Gun Co.	Fire room timing device: request prices for spare parts for repair of.(Ship's reqn 34) L-R	
104268	8-23	Sub-target Gun Co.	Time firing device; estimte for repairs.L	
104956	9-1	CO	Fire room timing device; has operated satis; repairs not exceeding $10. L	
114149	1/6	To Phila.	Gyro compass set not to be installed; directs cancel all work auth orized.	407-4
		1914		
116829	2-4	Phila 536-334	Lists work in connection with installation of additional annunciators.L To---cancel item (6e); item (2e) appd.2/6	
124179	4-30 5-5	CO Phila	Reqt authority to turn in fire control storage box.L To CO via Phila.appd.5/6.	
133038	8-17 8-20 8-26	Phila S&A Dept	Tachometer purchased on contract 72; Elec Tachometer Co. Company reqt final payment of 20 %. Instrument was removed before vessel turned over to Greek Govn. L Fwd S&A via Dept-- 9/4 Fwd S&A-- 9/11	

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N.S.E. Form 134.

OLD

IDAHO: INT COM SYS. 237-4

Number.	Date.	From or To—	Subject.	
135496	9-26	NY	Revolution counters; reports turning by MAINE.LY To-- Call survey on. 9/29	
205526	11-13	NYS	~~Instruments on bridge; fwds plan with~~ comments.L	563-4
32800	10/24	NY Ship	IDAHO- Contractors claim non receipt of storage batteries for fire control tele.	L. 629
419040	5-17	New York	Submits report of unsatisfactory condition and operation of elec speed indicators recommends be removed and elec revolution indicator be installed.	

NB—0120

[OVER.]

IDAHO: OLD INT.COM.SYS. 1912

Number.	Date.	From or To—	Subject.	
79137	9-30	TO Phila	Submits estimate actual cost work on new conning and fire control towers. L Phila reports 10-3	
79303	102	TO Phila	Furnish all charges in connection installation new conning tower and fire control. L BLRB1012	
79856	10-8	Phila	Shaft revolution indicator; reqt. iwring diagram. L TO Elec.Speedometer Co. reqt.copies wiring diagram. 10-15 TO Phila has requested. 10-15 Phila renews reqt.for prints.11-6	
80881	10-23	Elec.Speedometer Co	Reqt. resistance for bridge indicator.L TO CO for information.10-26 Reqt. action.11-23 To---Will be fwd when received.11/29.	
81885	11-6	Elec.Speedometer Co	Shaft revolution indicators. Fwds wiring diagram. L To Phila·Fwds plans·11/9.	
72	11/26	Phila	Elec. Speedometer , extended 30 days.	629
83739	11-27	CO	Elec. shaft revolution indicator; gives data in connection with making connection. L To Elec.Speedometer Co.gives data.11/29.	

1913

N.S.E. Form 134.

OLD

IDAHO 237--4

1913

Number.	Date.	From or To—	Subject.	
72	1/9	Phila	Shaft revolution indicator, extends cont. 90 days	629
91946	3-5	Phila 536-340	Fire control system; prints.L	
94719	3/31	Nav.	& S. CAROLINA: reqt work in connection with installing Gyro compass be auth. to include target bearing transmitter in fore top and plotting indicator in sub-central To-Phila authd. 4/18	407--4
97574	5-9 5-15	Elec. Tachometer Co. Phila	Shaft revolution indicator; will have app ready for inspection end of week; reqt. submerging test be waived.L-S To Phila.submergence test waived.5/20.	
99460	6-4 6-10	Elec.Tachometer Co Phila 1280	Tachometer; re making test at place of mfg. To Phila PO.Request 2 copies contract be sent Phila.6/17. Ret Phila.directs test.6/17. RB 6-19	D
101417	7-8	CO	Reqt. new Cory type bells and buzzers.L Ret---appd.7/18	
101986	7-16	CO	Reqt. repairs to fire room timing device.L To---directs submit reqn for material desired.8/7	

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[OVER.]

Number.	Date.	From or To—		Subject.	
62037	2/14	C.O.		Repairs: to call bells, annunciators, dynamotor for call bell circuits, etc	237--3
62353	2-28	C&R	22447-E.510	Recommends work in connection with conning and fire control towers and ammunit on tube hoists be ~~not~~ undertaken during present repair period at Phila. L To---Request print.3/1. To Phila.Fwds drawing 1944-L for guidance in preparing plans of new location.3/4.	
62429	2/24	C&R,Ord,Dept		Combined fire control, conning towers, and torp. firing station, recommends installation be undertaken on:	647--11
63588	3/13	Dept		FIRE CONTROL TOWER COMbined with conning tower & tor. Sta. proposed elec. work incidental to installation	647--11
65030	3-26	Phila	536-340	Fwds print showing re-arrangement of instruments in fire control and conning tower; revised estimate. L Fwd Dept.rec appr.4/4. RB 4-6 a'ppd	
	5/8	Phila.		Reqst action.L To---appd.5/28.	
64841	3-28	C&R	27908-E.7	Proposed arr. fir control and conning tower; fwds b/p.L	
66008	3-15 4-8	CO Phila	536-320-6	Change lead gun firing circuits.L To Phila.authorized.4/12.	
66037	4/9	Phila		& MISSISSIPPI: fire control, fwds finished plans	291--4
66337	4/12	Dept		Combined fire control and conning tower and bridges, changes,	647--10

N.S.E. Form 134.

Idaho 237--4 OLD

Number.	Date.	From or To—		Subject.	
67459	4/26	Phila		& Miss. fire control system, fwds vandykes	647
70612	6-6 6-7	CO Phila		Ship is without elec. revolution indicator since trial of Elec. Speedometer instrument; asks if will be returned or new type installed.L To-G.O.Will order set for ship.6/18.	
71061	4-11 6-7 6-12	CO Dept Ord	 26244-47 25029-37	& MISSISSIPPI: re location of 3" ,9 and 10 to top of 8" turrets; authorizes incidental elec work.L To Phila.Instructions.6/17 Fwd C&R.6/17	
73983	7/19	Phila.	530-342	& MISSISSIPPI: fwds sketches showing arr. of instruments, fire control conning tower, and combination fire control conning tower; also installation of torpedo director in conning tower.L Fwd Ord.reqst comments.7/24/ RB 8-2 Fwd Phila via C&R satisfactory 8/10 RB 8-26	
75067	8/1	Phila	536-400-4	& MISSISSIPPI: Submits estimates for fire control work in connection with re-locating 3" guns. L	
76634	8/22	Phila.	536-1074	Fire control voice tube system; fwds plan.L	
77028	8/30	Dept		Combined fire control and conning tower, reqt detailed statement of cost for installation.	647--11
79200	9/28	S&A		TOWERS, bombined fire control and conning, fwds statement of cost for installation	647--11

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[OVER.]

237--4

OLD

/ IDAHO: INTERIOR COMMUNICATION.

Number.	Date.	From or To—	Subject.	
39456	5/23	Phila	Voice tubes: states report of Board will be fowd during present week; delay due to illness of Draftsman. L	
39909	5/29	TO C.O.	Directs further test and report on voice tubes from substations and handling room. L	
40373	6/1	C.O.	Gears for fireroom timing device; reqt. be bought from Sub-target Gun Co. instead of manufactured at Phila Yd. L Fwd S&A. Recst material be purchased by Pay Officer -- and order to mfr at Phila be canceled. 6/6.	
37713	6/12	Dept.	& MISSISSIPPI: Dept auth. voice tubes for torpedo defense station.	291--4
41403	6/12	Phila 536-38	Fwds information relative to fire control system. L	
41851	6/20	C.O.	Makes further report on test of voice tubes. L	
41951	6/23	To Dept	FIRE CONTROL: reqt auth. to proceed with alterations	647

N.S.E. Form 134.

IDAHO: INT:COM:SYS: 237-4 OLD

Number.	Date.	From or To—		Subject.	
42632	6/12 7/1	Phila C&R	536-;5 22447-E.457	Submits estimate for rewiring main salvo system. L Fwd Dept via Ord. Rec disapproval.7/8. RB 7-31 Disappd Ret Phila.8/1. RB 8-21	
46849	8/15	Phila		F-C-VOICE TUBES: recommends installation from searchlights to searchlight control station, via Tor. Defence station	647--10
48127	9/5	Phila	536-38	Asks if new telephone switchboard, fire control, has been ordered by Bureau; if not reqt. be manufactured at Yd. L	
49073	9/18	Phila	526-15	Installation of soptters correction system from fire control tower to sub-central sta; asks if instruments will be furnished in time to allow work during present repair period. Y Ref. Ord. 9/22 RB 10-4 Fwd---10/5.	
50242	9/11 9/29 10/4	C.O. Phila C&R	22447-E.471	Reqt. speaking tube from stbd engine room be enlarged by 3" tube. L Fwd Dept.Rec appr.of item 7. 10/6. RB 10-18 a'ppd Ret C&R. Noted.10/13.	
56425	12/16 12/16	Holtzer-Cabot Elec.Co. Phila.	2018-291-5	& MINNESOTA: Telephone head sets; will make shipment in approximately ten days. Delay due to rejection of conductor cord.L Fwd Mass-Reqt inspn.expedited.12/23. RB 12-27	
59557	1/25	To Phila		MISSISSIPPI: alterations of torpedo defense stations 1,2,3 & 4. asks if estimates for work chargeable to Equip. of vessels were included in General survey.	291--4

1912

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[OVER.]

237--4 OLD

IDAHO: INTERIOR COMMUNICATION.

1✓

FILE No.		From or To— (Dated)	Subject.	
32987	1/14	C.O.	Reqt repairs to fire control, main engines,	237-- 8
33680	3/13	TO Phila	Central, sub-central and sub-stations; reqt. plan showing general arrangement of instruments. L.	291-4
36557	4/2	C.O.	Battle practice; states all voice tubes for day and night control should be re-installed. L To Phila Yd. Reqst be tested and report made. 4/19. To Phila. Reqst infor. re voice tube installation. 5/19. R.B. copy of B.L. with report in duplicate, 5/26	See below.
37190	4/22	C.O.	Reqt. description of time firing device mfgd. by Sub-target Gun Co. L. To Sub-Target Gun Co. request for description. 4/29. Fwd Phila Yd. Copy fwd. 5/17.	
37680	5/1	Sub-target Gun Co	States will furnish 10 copies of fire room ~~stocket~~ stoker timing system installed. L	
38829	5/12	Sub-target Gun Co	Fwds prints covering fire room timing device.	L
39105	5/10 5/17	Phila 11-15 Dept	Installation of experimental 12" ammunition hoist in after turret; will be allowed 6 days at Phila for installation. L. To Phila. Advising. - Ret Dept Noted. 5/23.	
39106	1/14 5/2 5/10	C.O. Phila 536-13 Ord 23255-40	Installation of experimental ammunition hoist. L Fwd Dept. Item 10: rec no action pending report from ship. 5/22. RB 6-5 Ret Ord. 6/5.	
36557		See above.	Fwd Dept via Ord & C&R. Rec certain work be auth. 6/2. To Phila. Quotes Dept's approval. 6/16. RB 6-20 a'ppd Fwd Phila via Ord. 6/21. RB 8-17	

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IDAHO: LIGHT & POWER. OLD

1914

Number.	Date.	From or To—	Subject.
119007	3-3	Phila	Estimate for additional repairs to searchlights.L To Phila.appd.3/5.
No #	3/5	Fwd S&A	Recn.131; night signal set; gives manner of wiring.L-R
120135	3-16	CO	Reqt 250 watt lamps be furnished to be installed by ships force. L To---asks where proposed to install.3/19 RB 3 27 To---disappd.3/30.
120551	3-19	Phila	Lamp for 30L searchlight; states none in store at Phila or any Eastern Yard. L To Norf.asks as to disposition contemplated of spare lamps removed from VERMONT. 3/24 Norf VERMONT turned in 2 spare lamps.3-30 To Norf via S&A.reqst shipment to Phila. of one lamp.4/6
179031	2-11	NYS	Lighting system; joiner plans.L
371242	11/30	To Mgr NY, CO Miss, Idaho, and New Mex.	Fwds for info copy of letter from Inspr of En material G. Co covering error detected in assem of certain 300 and 400 Kw turbo-generator sets at that point. LD

1916

1917

660

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
35933	3/8	To Phila	Confirms tel cpnversn re to shipt of searchlights to Phila for IDAHO & MINNESOTA to be reshipt to IDAJO NY upon arrival L	629

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[OVER.]

OLD

IDAHO: LIGHT & POWER SYSTEMS.

Number.	Date.	From or To—	Subject.	
55690	10/14 12/5	C.O. Phila. 546-73-2	Circuit breakers: requests be replaced.L To via Phila-Req't complete report on.12/11.	
			1912	
57670	12/18 12/29	C.O. Phila 536-105	Reports on defective circuit breakers.L. Fwd.NY.1/5. RB 1-9	
62037	2/14	C.O.	REPAIRS: searchlight armatures, etc	237--3
67411	5/8	Phila. 536-383-5	8 and 12" ammunition hoists: fwds prints of location of electrical appliances.L To---appd as commented.5/14.	
69059	5/17	C&R	& MISSISSIPPI: recommends installation of elec. steering gear.	291--5
70746	6-7	Phila 536-383-5	Estimate for fitting power feeder panels in 8 and 12" ammunition hoises.L To---Plans appd.6/13.	
71746	6-19	Phila 536-383-5	Revised estimates for distribution panels 12" turrets.L. To---Panels need not be enclosed provided location is flame-proof.6/24.	
76426	8/20	Phila. &	MISSISSIPI: Eledtric steering gear; gives reasons for delay in submitting est.	291-5

N.S.E. Form 134.

IDAHO: LIGHT & POWE 237-5

Number.	Date.	From or To—	Subject.	
72617	6-7 6-27	CO Phila	Install elec. lights and fittings in presentation Silver Cabinet.L To Phila. appd.7/5. Fwd C&R.7/5.	
73044	7-8	Phila 536-351-6	Install silk wound pilot motor coil for searchlight. Estimate.L.	
77677	8/28	Phila	& MISS: elec. steering gear, estimates and prints of proposed wiring 1913	291--5
94739	4;7	C.O.	Alterations, gem.set	237--8
97583	5/15	Phila	SIGNALS, night, reports receipt of keyboards for, From GE Co. modified, reqt shipping instructions.	711--1
108579	10/23	To S&A	Searchlight mirror; request shipment of one 36" parabolic from NY to Phila., for installation.L	
108546	10/22	To	36" searchlight mirror, directs transfer to Wyoming.	488--5

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[OVER.]

FILE No.	From or To— (Dated)	Subject.	
32535 2/27	TO C.O.	Fans; directs no further purchases of spare parts; use parts from old fans and submit reqn. for new. L R.B.3/24	
36115 4/13	Phila 536-16	Estimates for running power feeders to motors for flushing pump. L. Fwd Dept via C&R Rec appr 4/20. R.B. 4-26 app'd To -- apprd 4/27. To -- apprd 4/29.	
40364 1/14	C.O.	IDAHO: reqt fitting of voice tubes in tor. defence towers, searchlight control stations, cage mast, etc: also repairs to boat cranes, larger motors for sanitary pumps, fit Macomb strainers on sanitary pumps	237--8
51667 10/20	Phila	& MISS. Illuminating sets; modifications; have issued orders for additional pad eyes, and recommends rigging for sets be added to C&R allowance.	291-5
52661 11/1	Phila	Motor generators, reports on those in store and required for.	661
53365 11/10	Phila 536-16-5	Motors for flushing pump; est. for elec. work. L	
53854 10/27	C.O.	Reqt order changed from dynamo commutators to mercurial storage elec. resistance thermometers and install switch for same	237--8
53826 11/15	Phila	& MISS. modification to illuminating set	291--5

OLD

IDAHO: WIRELESS TELEGRAPH SYSTEM.

FILE No.		From or To— (Dated)	Subject.	
34560	2/26	To C.O.	Air compressor for wireless condenser; directs requisition for, be submitted. W	237-23
38689	5/4 5/9	C.O. Phila 536-1056	Reqt. repairs to air compressor, wireless. W Ret Phila apprd.5/17. RB 5-22	
No #	7/8	To C.O.	Reqn.158: One compressed air condenser is on board the NEW HAMPSHIRE; if suitable for IDAHO, transfer will be directed.	
53064	12/8	To At.Flt.	REC. SETS: reqt numbers of receivers on.	898
			1912	
65247	3-29	PCOla 581-	Reqt.authority to turn in un-used wireless material. W To---,Washn,S&A. request shipment of variable condenser to Washn radio sta.4/5.	
81593	10-23	CO	Reqt. complete new telefunken set.W. Ret---via NY yard and At.Flt.Reqst be supplied from NY yard with oscillation transformer and wave meter.11/5. RB 11-13 Fwd NY.Fwds description of Radio plant.11/13. RB 12-11	
			1913	
97825	4-5 5-15	CO At.Flt	Change in battle equipemtn of radio sta.W	
			1914	

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237--7 OLD

IDAHO: SIGNALS. (Submarine)

Number.	Date.	From or To—	Subject.	
42394	6/28	TO C.O. p	Directs that Submarine Signal Company be given opportunity to test out and place apparatus in working order. L	
44935	7/26	C.O.	Reports satisfactory test of. L To S&A. Final payments rec. 8/2.	
45841	8/9	Sub. Sig. Co. F.E. Chapin.	Understands test satisfactory; reqt. payment. L To---Final payment has been rec. 8/10.	
			1912	
			1913	
			1918	
1046	1-31 2-9	Submarine Signal Co S&A (VOID WRONG CARD)	Rel to increasing price for submarine signal apparatus for MISSISSIPPI, IDAHO & NEW MEXICO on acct of change in voltage. L&S	629

Put on New Idaho

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

IDAHO: MACHY PLANT. OLD

1913

Number.	Date.	From or To—		Subject.	
107386	10-7	Bd. I&S	1680	Inspection report; fwds. Y	
109217	10-25	Phila	536-467-5	Report of bd survey and estimates. Y TO Dept VIA ORD recommendations 11-6 Fwd Dept VIA C&R & ORD 11-6 To---instructions. 12/12.	RB 12 10
109518	10-22	CO		Report of new CO. Y	
			1914		
~~111598~~	~~11/21~~	~~Dept~~			
115019	1/14	Phila		List of work to boilers, etc. required before cruising.	754
115460	1-17	CO		Reqt Yard force overhaul engine indicators, bore out engine valve chest, and repair air pumps. Y Fwd Phila. for est and rec. 1/22. RB 2 5 Fwd Dept. with rec. 2/6 RB 2 10 To Phila. appd. 2/10.	
119481	3/9	Dept.		Repair limit May 1st.	292-8
126352	6/3	Dept.		& MISSISSIPPI: Possible sale of; requests suggestions andrecommendations as to articles to be omitted in the delivery of, etc. C To Mat. nothing 6-6	
169363	10/25	Nav Intle		Greek Legation reqt plans	291-8

N.S.E. Form 134.
OLD

IDAHO: MACHINERY PLANT: GENERAL. 237 — 8

Number.	Date.	From or To—	Subject.	
128191	6/24	Dept	Requests statement of any stores; equipment, etc which should be left on board when vessel is sold	291-8
128822	7/1	Dept	Directs MAINE be prepared for duty as IDAHO relief	274-8
149103 VOID	3/5	G E Co	Gen set; fwds outline plans, specns, etc	562-8
151294	3/25	Nav Intel	Greek Legation reqt complete set of machy and elec plans	291-8
163725	8/17	Nav Intel	Greek Govn reqt certain plans	291-8
359994	10/18	C&R.	Copy of instructions to Supt. Const. in conn with Dental Office. L.	563-5
405715	3/26	CO Copy	Request orders for vessel to proceed to NY for docking, installing propeller, and other authorized work - D	563-2
482783	3/22	To S.O. Ny	Fwds turbine blading plans. D copy to Lt. Reynolds Ny. D	563-5
496677	6-3	Fwd Pacific Fleet	Reqst for alteratio ns D.	563-8

1915

NB—0120

[OVER.]

Number.	Date.	From or To—		Subject.
62190	2-27	Dept		Fixes June 15th for completion of repairs.Y
62234	2-27	Dept		Date of completion repairs June 15th. Y
62596	3-2	C.O.		Reqt. authority to turn in cooling coils for ice machines, and evaporator tubes; ~~also~~ machines for which intended have been replaced. Y To---via Phila.appd.3/26.
64223	2-14 3-19	CO Phila	536-140-6	Estimate for repairs to main engines, aux. condenser, piping, ice machine,etc Y TO -- appvd. 5-24
64415	3-9 3-21	CO Phila	536-140-6	Estimates for repairs to ice machine, main engine, and distillers.Y TO -- appvd.5-24
70541	6-6	Dept		& VERMONT: SOUTH CAROLINA: MINNESOTA. change in date of completion. Y
70505	5-28 5-6	Phila Dept		& MISSISSIPPI: impossible to complete work including fire control tower in time allowed; Dept changes dates.Y Ret Dept via Ord and C&R.6/7.
74262	7/18 7/25	Phila Dept.	536-451	Date of completion changed to Aug.21st.Y Fwd C&R via Ord.7/26.
74264	7/25	Dept.		Date of completion changed to Aug.21st.Y

N.S.E. Form 134.

OLD

IDAHO: MACHY PLANT: 237-8

Number.	Date.	From or To—		Subject.	
83971	11-27	CO		Reqt. fire & engine room plates be covered with Bitmastic solution and enamel. Y Fwd Phila.12/2.	
83973	11-27	CO		Reqt. repairs to valves, steering engine, circulating pumps, piping, ice machines, tc.Y Fwd Phila.12/3. RB 12-26	
				1913	
94513	4-4 4-9	At.Flt Dept		Recommends be withdrawn from fleet in lieu of OHIO when TEXAS is commissioned; is unable to steam with fleet without constantly using 7 of the 8 boilers. Y Fwd C&R via Ord.Bu concurs.4/14. RB 4-24 Fwd Dept 4-24	
94739	4-7	CO		Altarations; valves, piping, gen sets.D Fwd Phila recommendations. 4-24 RB 5-8 Fwd Dept.with rec.6/14. RB 5-17 To--Phila- authorized 5/19	
~~94739~~	~~5/19~~	~~To Phila~~			
101661	6-17 7-14	CO Phila	536-140-6	Repairs to main engines, piping, evaporators, ice machine, shafts, boilerrs,etc.Y	
102500	7-19	CO		Report of new CO.Y Fwd C&R via Ord. 7/30.	
102581	7-24 7-26	Bd.I&S Dept	1246	Report of inspection.Y Ret Dept via S&A.8/18	
103318	8/8	Dept		Directs inspection	774
105884	9-17	Bd.I&S		Reqt. repair papers.Y To-Bd- fwds corres. 9/18 RB 10 18	

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[OVER.]

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IDAHO OLD MACHINERY PLANT GENERAL.

2

Number.	Date.	From or To—		Subject.
42479	6/26 6/29	C.O. Dept		Repairs to icce machine, and re-wire lighting circuits in fire rooms. Y Fwd Phila. for appropriate action.7/1. RB 12-5 To C.O.Forwards prints.7/5.
43911	5/25	Dept	26244-40	Reports inspection held F b.6 and Mar.9.Y Fwd S&A. Noted.8/5.
45457	6/29 7/25 8/4	C.O. Phila C&R	536-48 22447-E-463	Incidental work on heating, piping, elec. wiring, etc., in connection with C&R alterations.Y Ret C&R. Noted.8/7.
45707	8/1 8/2	Phila C&R	536-44 22447-D.464	Repairs to deck winch, capstan, in connection with C&R repairs.Y Ret C&R. Estimates noted and appd.8/9.
46845	8/17	C.O.		Alterations to refrigerating plant, install new propeller, separators in aux. exhaust line, and exhaust lines from dynamo room.Y&D
47049	8/16	C.O.		Repairs to shaft bearings, stern tubes, renew liners main feed pumps, renew bottom blow line from evaporator, floor plates, in engine room, etc.Y
48710	8/17 9/12	C.O. Phila	536-1015	Rect. alterations to cold storage piping, new manifolds for same/ install new propeller blades, change lead exhaust line after dynamo room, etc.Y-D Fwd Dept.Appd.except Item 5.9/21 RB 10-4 appd. ref. Phila. 10/4 (adv copy). Fwd Phila--10/5. RB 10-21

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N.S.E. Form 134.

IDAHO: MACHINERY PLANT: 237-8

Number.	Date.	From or To—		Subject.
49267	8/16 9/19	C.O. Phila	536-53	Repairs to propeller bearings, main feed feed pump, floor plates in engine room.Y To Phila.Work appd.10/10. Fwd C&R.10/10. RB 10-14
50290	8/25 9/23	C.O. Phila		Chief Petty Officer quarters; alterations; est. for elec. and S.E. work.Y To Phila.S.E.work auth.--Fwd C&R.Instrms issued.10/9.
50382	9/20 10/3	C.O. Phila	536-64	Repairs to ash ejector wearing bends & rings of h.p. piston. Y To Phila.Work appd.10/10.
53535	11/8 11/14	Phila Dpt	536-125 26244-35	Date of completion, Dec.15th Y Fwd C&R. Noted.11/15.
53854	10/17 10/27	C.O. Phila	536-77-5	Reqt. order
53854	10/17 10/27	C.O. Phila.	536-77-6	Reqt. order changed from dynamo commutators to mercurial storage elec. resistance thermometers and install switch for same.D-L Fwd Dept.rec.11/21. RB 11.22 a'ppd To Phila-Auth.certain items.11/23.
55143	11/29	Phila.	536-48	Submits estimate for work in connection with changes in Chief Petty Officer's quarter.Y To--App. manf. of new radiator.12/5.
55686	11/22 12/7	C.O. Phila.	536-91-3	Repairs to ice machine; renew inswinging doors, main boilers; and relag steam and exhaust piping in fire and engine room.Y 1912

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[OVER.]

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IDAHO OLD MACHINERY PLANT: GENERAL. 1

FILE No.		From or To— (Dated)	Subject.	
31832	2/15	C&R 22447-E.407	repairs and alterations: recommends installation of lockers in engine and log rooms Ref. Dept. 2/21, R.B. 2/27 Ret -- 2/28.	
32987	1/14 2/27	C.O. At.Flt	Reqt. repairs to fire control, main engines, etc. Y To Ord.& C&R. Items under cog.of 3/18. To At.Flt. Fwd Phila Yd. Instructions 3/20. R.B.3/22. Fwd Phila.3/23. B.L.to C&R R.B. 4/4 Fwd C&R. 4/4. R.B.4/11	
37347	4/24	Phila	& MISSISSIPPI: reqt machy plans.	291--8
38923	4/29 5/16	Phila 536-33 C&R 22447-E.445	Work in connection with removing interference in boradside battery.Y Fwd Dept. Rec appr. 5/18. RB 5-19a'ppd To Phila. Apprd 5/22. Ret C&R. 5/22.	
40364	1/14 5/12 C&R	C.O. Phila 536-11 5/29 22447-E.35	Reqt. fitting of voice tubes in torp. defence towers, searchlight control stations, cage mast, etc. Also repairs to boat cranes, larger motors for sanitary pumps, fit Macomb strainers on sanitary pumps, etc. Y Fwd Dept via Ord. Rec some appr.,some disappr. 6/14. RB 7-25 Fwd C&R. 7/26.	
42427	6/23	Phila 536-27	Repairs to ice machine, distiller circulating pumps, etc. Y	

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IDAHO: MAIN ENGINES: ETC. OLD 1912

Number.	Date.	From or To—	Subject.	
75431	8/12	To-Dept.	Re broken crank shaft	493
357	8/12	Mun	Crank shaft, estimate five weeks, etc	629
75724	8/15	To.Erie Forge Co.	Crank shaft, to be used on MISSISSIPPI: cont. 357, steps taken to amend.	291--9
357	8/14	To S&A	Crank shaft; requests amendment of contract and reqn	629
74298		SEE CARD 2	TO Nav.Acad reqt. further information.	9-13
78430	9-18	Exp.Sta 222	Broken main bearing bolts and crank web; inaccurate measurements in elongation in test due to inexperience of Lt.Daniels. S. To-If test pieces now available Bu. desires that they be measured 9/25 Exp.Sta reports on punch marking specimens.	9-28
79147	9-23 9-26	CO At.Flt	Reports on inspection main engine. Y Fwd C&R 10-2 RB 1-16	
80617	10-21	TO Phila & S&A	Caps for main bearings; dirct manufacture.	Y
80712	10-22	TO Phila	Fwds drawing spare l.p. crank shaft. D	
84170	12/6	To Phila.	Requests examine to see if caps of main engine bearings are tight, when ship returns to yard.	237-2

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N.S.E. Form 134 OLD

IDAHO: MAIN ENGINES: 237-9

1913

Number.	Date.	From or To—		Subject.
87586	1-9 1-15	Phila C&R	536-197 27908-E.29	& MISSISSIPPI: vibration main bearings; submits report re means taken to stiffen.D. Fwd Dept.1/16. C&R reqt.return.2-14 To C&R.papers have been fwd to Dept.2/21. Fwd Dept.2/21
87758	1-16	C&R		Additional stiffening in wake of crank shaft bearings, has been completed.D.
108378	10-18	CO		Fwds broken nut for holding down bolt of stbd engine. M To Expr.Sta.directs microphotographic examination.10/23 Expr.Sta.11/25 Test No.367: reports.D Fwd Chester.fwds copy of report of tests. 12/3 RB 1 3

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[OVER.]

IDAHO: MAIN ENGINES: ETC. 1912

Number.	Date.	From or To—		Subject.
63324	3/11	To Mun.		Crank shaft; request opinion as to ability of Erie Forge Co. to furnish; reqn.364.S
63373	3-12	Mun	T	Shaft; believes Erie Forge Co. equipped for making S Dup.report.
No #	3/12	To S&A		Crank-shafts, Bu.reqn.#264; bids.
63998	3-18	Phila		Thrust shaft;reqt. vandyke.D To---Fwds vandyke.3/21.
65572	4-4	CO		Reqt. port main engine be lined up.Y Fwd Phila.for rec, report and estimates. 5/22. R B 6-1 To Phila.appd.6/1.
65836	4-6	Phila	536-161-6	Stbd l.p. broken crankshaft;fwds photo. Y
66539	4-15	Phila	536-161	Fwds sketch showing change in alignment of thrust bearings.D To C.O.Fwds print and copy of Phila's letter.4/20.
67370	None	Midvale Steel Co.		Port and starboard shaft. Gives test of one which broke.S
68170	5-9	CO		Reqt. action be taken on lining up port engine. Y

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IDAHO: MAIN ENGINES: 237-9

Number.	Date.	From or To—		Subject.	
70264	6-3	Phila	536-140-2	Gives price of spare crank shaft. Y	
70941	6-5 6-8	CO Phila	536-140-2	Repairs to thrust shaft. Y Fwd Phila. reqst should have been submitted before this.6/6. To Phila.appd.6/12.	
72195	6-17 6-19	CO Phila	536-160-6	Repair mainbearings. Y	
74298	7/25	Expr.Sta. 222 Test No.209 SEE CARD 2.		Reports on micro inspection of specimens from broken main bearing bolts and broken web.D Expr.Sta.7/27. Fwds phtos and prints.D Fwd Phila.7/26. To N.Acad.Asks as to determination of elongation in tests.8/29 Expr.Sta.9/4.Sends corrected talbes elongation.S	
74368	7/27	To Erie Forge Co.	T	Crank shaft, contract 357; asks when shipment can be made.D (T)from Co.7/29. Ready for shipment 8 to 12 days.Y	
74603	7/29	Mun	2832	Crank shafts, contract 357, will be ready in 8 to 10 days for inspection.S	
74366	7/26	To Dept & Phila		re status of cont.357, 2 crank shafts for Idaho.(re use on MISSISSIPPI)	291--9
75606	7/9 8/9	CO Phila.	536-160-6	Submits est.for assisting crew in fitting thrust in main bearing.Y	

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[OVER.]

IDAHO: MAIN ENGINES: ETC.

Number.	Date.	From or To—	Subject.	
43040	7/7	C.O.	Reqt. repairs to bearing studs.Y	
44572	7/7 7/24	C.O. Phila 536-44	Repairs to bearing studs main engine.Y To C.O.Print returned.8/12.	
50640	10/9	Morris Metallic Pack	PACKING: reqt privilete of testing metallic packing on piston rod of.	693
56427	12/8 12/13	C.O. Phila. 536-95-2	Re-metal and machine starboard H.P. slipper main engine.Y	
			1912	
59905	1/29	At.Flt T	Starboard engine L.P.crank pin web broken.Y To Dept.Spare crank shaft at Phila.1/30. RB 2-1	
60170	2/1 2/1	Key West Dept	Has had accident to crank shaft; repairs not deemed adviseable at Key West.Y Fwd Phila. 2/2. RB 2-10	
y60667	2-6	Phila 1695-15-2	Eccentric and straps for main engines; reqt. vandykes.D	
60745	1-31 2-1 2-8	C.O. At.Flt Dept	Reports in detail on broken crank shaft; vessel ordered to Phila; tugs to meet at Breakwater; repairs authorized in advance estimates.Y Fwd C&R.Reqst foundations under bearings 5 and 6 be strenghtened.2/9. RB 2-14 To C&R.Directs similar work on MISSISSIPPI/-- FWD Phila. Instructions.2/14. RB 2-20 To Phila.Reqst test pieces be sent to N.Acad.--ToN.Acad.Directs test.2/21.	

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OLD

IDAHO: MAIN ENGINES: 237-9

Number.	Date.	From or To—		Subject.	
60953	2-10	Dept		Fwds report of Board on investigation breaking crank shaft. M Ref Phila. Enc.with 60745. 2/14.	RB 2-20
61936	2-21	Phila	536-140	Reports on examination stbd engine; will require 90 days repair crank and thrust shafts. Y (T)to---Directs proceed with necessary work.2/24. Fwd Dept.reqst appr.2/26.	RB 2-28
62065	2-24	Phila	536-140-1	Stbd thrust shaft; fwds sketch showing 1-2" out of line; doubtful if can be straightened; reqt. instructions. I To Midvale Stl and Beth.Stl.Co.Reqst bid. 2/27. To---advising.2/27. To---Contract placed with Midvale Co.2/29.	
62076	2-23	Phila	642-161	MISSISSIPPI: new bearings; bolts; fwds print; will take 25 days to secure; recommends be deferred unless material can be expedited. D To---design appd.2/27.	
62260	2-28	Midvale Steel Co	T	Shaft; turbine; asks if shall forge rough turned or machine finished. Y (T)to---To be rough turned.2/28.	
62285	2-28	Midvale Steel Co	T	Quotes on and gives time of delivery, stbd thrust shaft. Y Confirms by letter 2-28. (T)to. Award of cont.has been rec.2/29.	
62286	2-28	BethlehemSteel Co	T	Ditto	
3 62176	3-5	Phila	536-161	Strengthen engine foundations; SE work involved. Y Fwd C&R.3/26.	
63352	3-11	Phila	114	Thrust shaft forging; fwds copy of contract has been inspected and ready for shipment; reqt. instructions. S Fwd Washn PO,via S&A.Reqst copies of cont.ge fwd.to Phila.3/12.	

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[OVER.]

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IDAHO: BOILERS:ETC.

1912

Number.	Date.	From or To—	Subject.	
67839	5-2	CO	Reqt. small motor working flexible shaft be fitted for brushing out dynamo tubes; also allowance tube cleaners be increased.D-R	
68925	5/29	To C.O. via Phila. To H.F.Watson Co.	Asbestos metallic boiler gaskets; test directed.	656
82321	10/31 11/6	CO Norf. 257-41	Expenditure invoice covering boiler tubes turned into store to be replaced by requisition. Asks if Bureau approves manner of turning in, as same results in loss to appropriation.Y Ret Norf.disappr.turning into store with Comdt's auth.11/14. RB 12-9	

1913

93229	3-15 3-16	CO At.Flt	Reqt. new try cocks and nipples for main boilers.YL Fwd Phila appvd.3-25 RB 4-7 Fwd CO.4/7.	
94513	4/4	At.Flt.	Recommends be withdrawn from fleet in lieu of Ohio when TEXAS is commissioned, is unable to steam with fleet without constantly using 7 of the 8 boilers.	237--8
101991	7-16	CO	Internal feed pipes; recommends be placed in bottom of deep water tight trough covered with baffles to prevent priming.D To---question of arr.is under consideration.8/1.	

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IDAHO: BOILERS:ETC. 237-10

Number.	Date.	From or To—	Subject.	
102731	7-17 7-30	CO Dept	Safety valve settings; reported as 277 and 278; gages in error should have been 280 and 281. D Ret Dept.8/8	
112959	12-15 12-17	CO Dept	Repair outer casing uptakes.Y Ret CO,directs submit request to Phila yard via At.Res.Flt,12/18. RB 118 Fwd Dept. rec appr.1/16 RB 120 appd To Phila.appd.1/20.	
114626	1-8	CO	States ~~seips~~ ships force cannot make alterations to pipes and fittings, boiler drums.Y Fwd Phila.1/12 RP 120	
		1914		
115019	1/14	Phila	List of work to boilers, etc	754
72021	1/14	To Phila.	Difference in cost of work installing internal feed piping,etc. MINNESOTA and IDAHO. Request special report.	612
115727	1-15 1-21	Phila S&A	Floor plates for fire rooms; reqt. BU decision re using plates 5-16" thick in order to take those from excess stock Bost.Y Ret S&A.appd.1/24.	
116150	1-8 1-19	CO Phila 536-151	Boilers; examine all channel bars, and boiler supports; renew ash pans.Y Fwd Dept.rec appr.1/28. RB 131 To Phila.appd.1/31.	

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IDAHO: BOILERS: ETC.

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FILE No.		From or To— (Dated)	Subject.	
30271	1/28	Phila.	AND MISSISSIPPI;Reqt. print covering fire bricks for.D To Phila Yd· print fwd 2/1.	
46083	8/12	TO C.O.	Feed water heaters; reqt. report if those manufactured by PANTHER involve change in design.Y RB 8-25 To Phila. No salt water feed heaters are connected as referred to.8/31.	
48883	9/8 9/18	C.O. At.Flt	Feed heaters; evaporator; reqt. removal and placing in store; have been of little service.Y-D Ret. via Phila. authorized 9/25 RB 10-5	
504O3	9/19 10/5	C.O. Phila 536-621	Repairs to ash ejector casting. Y	
55686	11/22	C.O.	Repairs to boilers, inswinging doors, etc	237--8
58249	1/9	Phila	1912 & MISSISSIPPI: fwds prints showing changes made in grate bars boilers, recommends allowance list covering spares be modified.	291--10
64415	3/9	C.O.	Estimate for repairs to distillers, etc	237--8
62211	3/26	To Metten J.F.	Gives data on See type of asj ejectons.	182-10
67338	4/26	At.Flt.	Reports on inspection of boilers.Y	

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Number.	Date.	From or To—	Subject.	
86781	1/6	C.O.	Recommends boat be furnished MAINE and exchanged when vessels are in company	611--1
Survey	1/9	To Phila	Type E-3 engine 779 and Ward G-1 round boiler 1600, with other machy, re dispostion	
87270	1/11	C&R	40-ft steamer 607 ordered shipped from NY to Phila. for Maine, Will exchange for steamer 1070 now on Idaho.	611--1
95513	4/15	Idaho	Reports receipt of steamer 607, engine 431 from Maine, and transfer of steamer 1070, engine 906 to.	611--2
95644	4/17	Idaho	Steamer 607, engine 431, boiler 1571, no spare parts supplied.	611--1
119712	3/10	Phila.	Reports receipt of gasoline engine GG 2206 for launch 1380.	611-2
			1914	
123274	4/23	C&R	PANTHER: motor sailing launch 1380 assigned in place of 1310; latter assigned IDAHO	611-2
124452	5/8	Phila	Engine 2206 installed in 1380	611-2
			1915	
151542	4/5	C&R	Motor sailing launch 1380, ex IDAHO; is on board MAINE	611-2

N. S. E. Form 134.
237--11
IDAHO. AUXILIARY MACHY 1917

Number.	Date.	From or To—	Subject.	
244948	8/21	C & R	IDAHO; assignment of boats.	611-2
247904	9/7	C&R	Motor boat 4069 in lieu of 1173 issued to San Francisco, 3429 assigned to IDAHO.	611-2

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[OVER.]

237--11 237-11

IDAHO: OLD AUXILIARY MACHY 1

FILE No.		From or To— (Dated)	Subject.	
36792	4/20	C.O.	BOATS: #763: previously surveyed has been repaired by ships force and reqt to be allowed to retain on board.	611-2
51381	10/14	Phila	40' cutter 623; temporary loan authorized.	611-1
			1912	
No #	4/4	To Phila	Survey Feb.29th, Ward G-1 Roboiler #1600 Ex cutter 274, assigned to cutter 703	611--1
66586	4/18	To Idaho	BOATS: steam log lists motor sailing launch 969 with Buffalo eng. type D-703. Bu's record is launch 979, eng. 3085.	611--2
69224	5/20	To At.Flt	Reqm 180 received ~~xxx~~ for type E-3 engine, to replace E-3 903, transferred to Ohio. Reqt transfers be made only in case of emergency.	611--1
69225	5/20	To C.O.	E-5 engine 900 assigned as spare	611--1
70024	5/29	Phila	Reports issue of engine 900 to	611--1
70518	6/5	Phila	BOATS: 900 issued to	611--1
77370	9/5	To	Log, omission of data, engine #900, boiler 646, engine 7505 or 705	611--1
85260	12/17	To	Ward G-1 boiler 1662, asks as to disposition.	611--1
			1913	
86405	1/2	C&R	40' steamer 607 assigned to be shipped Guantanamo.	611--1

NB—0120

IDAHO: MAIN CONDENSERS: ETC.

Number.	Date.	From or To—		Subject.	
47150	8/23	Norf	4586	Manufacture ferrules.Y	
				1912	
64223	2/14	C.O.		Estimate for repairs to main engine, aux. condenser, etc	237--8
				1913	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

OL&D

IDAHO: HEATING: VENTILATING: REFRIGERATION SYSTEMS.

Number.	Date.	From or To—		Subject.	
54427	11/23	Phila	566-77-5	Relative to installation of electrical thermometers in cold storage rooms; requests telegraphic authority.Y To--Disappd.11/29.	
55170	12/2	Phila.	536-77-7	Requests instructions re registering of temperatures in cold storage rooms; installation of electric thermometers has been disapproved.L&D To--No change from system formerly used will be auth.12/5.	
55686	11/22	C.O.		Repairs to ice machine, etc	237--8
56024	12/12	Phila.	536-52-7	Re arrgt of cold storage room; submits estimage and plan.Y&D Fwd Dept-Rec.app. additional estimate, and for moving exhaust line of after dynamo room.12/23. RB 12-28 appd To--Appd.12/28. Corrects Bu.impression; states revised est.only.1/2	
62596	3/2	C.O.		IDAHO; reqt auth. to turn in cooling coils for ice machine,etc	237--8
64223	2/14	C.O.		Estimate fornrepairs to ice machine, etc	237--8
64415	3/9	C.O.		Estimates for repairs to ice machine, etc	237--8
70263	5-20 6-1	CO Phila	536-274-6	Repair main bearing Allen ice machine. Y TO -- appvd.6-5	

1912

N.S.E. Form 134.

IDAHO: HEATING: VENTILATING: REFRIGERATION SYSTEMS. 237---13

Number.	Date.	From or To—	Subject.	
73397	7/3 7/10	CO Phila. 536-274	Repair main shaft of ice machine.Y	
83973	11/27	C.O.	Reqt repairs to valves, ice machines, etc.	237--8
		1914	1913	
123257	4/23 4/23	CO Phila.	Requests expander cylinder for ice machine.Y TO Phila (T) remove from mach in store 4-24 To Phila.instructions.6/25.	
123651	4-27	Phila 536-274	Recommends ice machine cylinder issued as spare be not replaced.Y	
134498	9-14	MAINE	Expander cylinder for ice machine; removed from vessel; copy of letter Phila notifying of shipment. Y To Phila.-- Rec survey on. 9/26	

NB—0120

[OVER.]

237--13

IDAHO OLD HEATING: VENTILATING: REFRIGERATION SYSTEMS:

FILE No.		From or To— (Dated)	Subject.	
29133	1/11	Renolds I.M.Co.	& MISSISSIPPI: Reqt final payment	291--13
30968	2/6	At.Flt	& MISSISSIPPI: rReynolds ice machine fairly satisfactory: suggest awaiting written report as they differ	291--13
31472	2/6	At.Flt	& MISSISSIPPI: fwds reports on Reynolds Ice Machine: invites attention to conflicting points there in	291--13
31580	2/5	c.O.	Reports on Reynolds ice machine. Y	
34488	3/21	At.Flt.	MISSISSIPPI &: fwds reports of competitive test of Allen & Reynolds Ice machines.	291--13
41081	6/8	C.O.	Reqt. repairs to Reynolds ice machine.Y	
42959	6 7/6	C.O.	Repairs to ice machine rocker arm.Y	
43544	7/5	Brown, W.F., Trustee (W.D.Forbes Co)	& MISSISSIPPI: states understands rejected ice machines property of Company are at Phila.	291--13
45208	7/6 8/1	C.O. Phila 536-49	Reqt regrinding of rocker arm valve gear of ice machine. Y	
45338	6/8 8/1	C.O. Phila 536-36	Reynolds ice machine; reqt. new fly wheel. Y	
46845	8/17	C.O.	Alterations to refrigerating plant, et	237--8
48710	8/17	C.O.	Reqt alterations to cold storage piping, new manifolds for same, install new propeller,etc	237--8

NB—0120

IDAHO: PROPELLERS: SHAFTING.

1912

Number.	Date.	From or To—		Subject.	
√71479	6/18	To Phila.		New propellers; request estimates for manufacturing; forwards print.D To--- Est should include set of spare blades.7/23.	
√74589	7/29	Phila.	536-164	Estimate for manufacturing new propellers.Y Ref-Dept. recom.appd. 7/31 To- appd 8/5	
				1913	
√101406	7-10	Ports	2463	Lignum Vitae bearings; unable to examine while in dry dock due to lack of time.L.	
√110561	11-13	Phila	536-164	Propeller measurements; fwds D.	
				1914	
121683	4-6	Phila	536-467	Shaft clearances; reports. Y-D To---rewooding of outboard bearings unnecessary.4/7.	

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

IDAHO: PROPELLERS: SHAFTING.

FILE No.		From or To— (Dated)		Subject.	
36776	4/14 4/18	C.O. Phila	536-113	Reqt. propellers be measured while vessel is in dry dock.D To C.O.None received. -To Cramps.request for measurements.4/22. To C.O.Prints fwd.4/27.	
37100	4/25	Cramps	1483	Fwds propeller measurements.D	
37336	4/26	Phila		PROPELLERS: reports test made of bolts: States shipped was docked before receipt of letter directing examination of bolts.	697
46845	8/17	C.O.		Install new propeller, etc	237--8
47049	8/16	C.O.		IDAHO: repairs: shaft bearings, stern tube, etc	237--8
47858	8/24 9/2	Phila C&R	17740-E.18	Reqt. propellers be not changed until after completion of rolling test with bilge keels removed. Y Ref. Dept. disapproved 9/5 RB 9-16 Fwd C&R noted. 9/18	
48710	8/17	C.O.		Reqt alterations to storage piping, install new propeller blades, etc	237--8
49267	8/16	C.O.		Repairs to propeller bearings, etc	237--8
50454	10/4	Phila		& MISSISSIPPI: fwds measurements. 1912	291--14

NB—0120

IDAHO: PIPING SYSTEMS:

OLD

Number.	Date.	From or To—	Subject.	
39182	4/20 5/16	C.O. Phila 536-30	Repairs to one section of copper piping, main injection, port. Y To Phila. Apprd.5/22.	
46845	8/17	C.O.	Install separators in aux. exhaust line, exhaust lines from dynamo room	237--8
48710	8/17	C.O.	Reqt alterations, change in line, exhaust. etc Cold storage piping.	237--8
56024	12/23	To Dept	IDAHO: rec. app. additional estimate for moving exhaust line of after dynamo room.	237--13
			1912	
65577	4-2 4-5	Phila 536-316 CO	Dynamo exhaust line: Yard recommendsagainst changes owing excessive cost . C.O. offers substitute for changes originally reqtd.D Ret Phila. for estimate and rec.4/6. RB 4-20 To Phila.change authorized.4/22.	
69728	5-25	Phila 536-316	Dynamo exhaust line. Revised estimates. Y To---Mfr and installation of new dynamo H.P. valves authorized.5/28.	
83970	11-27	CO	Reqt. nipple connections steam and exhaust line to anchor engine and ice machine.D. Fwd Phila.for estimats.12/4. RB 12-12 To Phila.appd.12/12.	

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OLD

IDAHO: PIPING: 237-15

1913

Number.	Date.	From or To—	Subject.
104904	8-39 9-3	CO Dept	Change main circulating exhaust piping and exhaust from main condenser.Y
114909	1-12	CO	Renew galley cross connection line and enlarge to 1-1/4". Y Fwd Phila.appd.1/17 RB 25
		1914	
118624	2-21	Phila	Steam line to steering engine; reqt. separator be moved to another position.N To---authorized to cancel job order.2/28

NB—0120

[OVER.]

237--17

IDAHO: OLD COAL HANDLING AND STOWAGE - bunkers, trolleys

1

FILE No.	From or To— (Dated)	Subject.	
31730 2/7	C.O.	COAL: fwds sample of New River Smokeless Coal received from Hector	623--2
		1912	
		1913	

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237 -- 18 OLD

IDAHO: MACHINE SHOPS ETC.

FILE No.	From or To— (Dated)	Subject.	
34286 3/20	TO Mass	Engine lathe; reqt. return of contract. R	
34286 3/29	Mass	Lathe: returns contract; understands inspection orders cancelled. S	
		1912	
74681 7/30	CO.	Recommends installation of 18-in. lathe to replace present 14-in. in machine shop. D Fwd Dept. red disappr. 8/2 RB8-5 appd To Phila. disappd. 8/5	
78344 9-11 9-14	Niles Bement & Pond CO	Company offers to exchange band rest for tool base of lathe on board without expense to Govn. Y Fwd. CO--Disapproved 9/20	
81391 10-28	CO	36" lathe; reqt. repairs. Y Ret---10/31.	
		1913	
		1918	

NB—0120

FILE No.		From or To— (Dated)	Subject.	
32985	10/22/10 3/4	Phila C&R	& MISSISSIPPI: Elec. motors for flushing pumps. D Fwd Dept. rec. S.E.work be auth.3/8. R.B.Appd.3/9. Ret C&R3/10.	
35957	4/10	Phila	& MISSISSIPPI; distiller circulating pump: reqt print	291--19
55689	10/18 12/5	C.O. Phila. 536-76-2	Main air pumps; requests valves be renewed.Y	
			1912	
73401	6/30 7/9	CO Phila·536-210-6	Repair distiller circulating pump.Y	
83973	11/27	C.O.	Reqt repairs to valves, circulating pumps,	237--8
115460	1/17	C.O.	Reqt Yd force overhaul air pumps	237--8
			1913	
			1914	
115460	1/17	C.O.	Reqt yard force overhaul air pumps	237--8

NB—0120

IDAHO: VALVES.

~~1912~~ 1913

Number.	Date.	From or To—	Subject.	
93228	3-14 3-16	CO At.Flt	Reqt. new boiler blow valves.Y Fwd Phila appvd.3-25 RB 4-5 To Phila.appd.4/7.	
94739	4/7	C.O.	Alterations, valves, etc	237--8
			1914	
154	3/17	Phila	Bottom blow valves: error occurred thru Lt.Kelley taking un inspection work after partially completed by Connell.	629

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Number.	Date.	From or To—	Subject.	

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[OVER.]

OLD

IDAHO: ALLOWANCE.

1912

Number.	Date.	From or To—	Subject.	
83958	11-30	CO	Reqt. increase in money allotment EofV.R To---Not appd.12/3.	
			1913	
97388	5/5	CO	Requests increase $1000 in money allotment.R Fwd Dept.rec.appr.5/17. RB 6-31 To---appd.6/2.	
106038	9-18	CO	Re t. permission to turn in excess stores.R To - turn in and submit explanation 9-24 RB 10 25 To Phila.changes.1/22.	
			1914	
405246	5-1	Inspcr NYS	Fwds elec allowances book.	

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1912

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

IDAHO: ALLOWANCES:

FILE No.		From or To— (Dated)	Subject.	
35374	3/27 3/31	C.O. S&A 98239	Reqt. R. To C.O. via S&A Fwds blank copy to be filled in from copies on board.4/8. Fwd Nav.No.reply received to 19590-R of Aug.1,1910. 4/8.	
42995	6/21	C.O.	Reqt. authority to turn in unnecessary stores wireless supplies, and misd. elec. articles.R Ret -- approved.7/12. RB 8-5	
54319	12/11	To C.O.	ALLOWANCE: will consider specific application for increase of equipage and spare parts.	603
56756	12/22	To Nav.	At.FLT: rec. re increase of complement.	493
			1912	
58249	1/20	To Phila.	& MISSISSIPPI: amendments re grate bars.	291-10
67839	5/2	C.O.	Reqt allowance tube cleaners be increased	237--10
67839	5/7	To Phila via S&A	Tube cleaners; directs amendment.R	
74734	7/30	C.O.	Reqt permission to turn into store 6 traps. R Ret-8/10 appd.	
82353	10/16 10/30 11/11	CO S&A 112570 C&R	Reports on excess stub fequisitions on board ship, and gives understanding of Gen.Order No.78.R Fwd Ord.11/13. RB 4-12 Fwd Dept.4/14.	

237 -- 23 OLD

IDAHO: AIR COMPRESSORS:

FILE No.	From or To— (Dated)	Subject.	
34560 3/24	TO C.O.	Reqt. report on possibility of repairing.W RB 4-17 Ret C.O. Directs reqn.be submitted for air compressor for wireless condenser.	4/26.
		1912	
		1913	

NB—0120

IDAHO: INSTRUMENTS & GAUGES.

Number.	Date.	From or To—	Subject.	
75793	8/12 8/13	CO Phila 536-339-6	Kaiser tachometer; requests mfr of cross and brackets for and fitting of same.D Ref Dept. rec. disap. 8/15 RB 8-17 Ref Phila. reqt information 8/17 RB 8-26 To Phila recom. 10-22	
			1913	
		1914		
72	12/12 1/3	Elec.Speedometer Co. S&A	Reqt payment for shaft revolution indicator set for IDAHO.	629
134099	9-4	At Fleet	Counters, chronometers,etc: Asks disposition made of.Y To Phila-- Req information. 9/14 Phila gives price of Bailey Rec counter; reports on dates of shipmnt 8-17 To NY-- Req information re. 9/19	
135966	9-30	NY	Reports receipt of measuring instruments ~~for~~ from NORTH DAJOTA.Y	

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1912

Number.	Date.	From or To—	Subject.	

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OLD

IDAHO: RECORD OF WORK

1913

Number.	Date.	From or To—	Subject.	
104553	8-26	Ports	July 7 to July 8.Y	
109135	10-30	Phila	9-18 to 10-1. Y	
109233	10-31	Phila	9-18 to 1041. Y	
		1914		
127702	6/17	Phila.	Oct.25 to May 9.Y	
127929	6/20	Phila	Oct.25 to May 9.Y	
128345	6/24	Phila.	Apr.25 to May 9.Y	

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Number.	Date.	From or To—	Subject.	

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FILE No.	From or To— (Dated)	Subject.	
9937	1-31 At.Flt(T)	Reynolds ice machines; asks if satisfactory. Wire reply.	
25386	2/2 Elec.Speedometer	Co; Hopkins tachometer; copy C.O.report fwd.	
9937	2/6 Fwd S&A	Reynolds ice machines; Rec final payments.	

FILE No.		From or To— (Dated)			Subject.	
9937	10-25	10-25	Reynolds Ice M.	Phila	Co; Ice Mach.moisture separator; Price recooler	
22626	10-27		C.O.		Boiler tubes; re turning in extra to Phila.Yd.	
25386		10-29		C.O.	Tachometers; Req.report on operation.	
9937	10-30		C.O.		Ice Machine; spare parts not received; wants to retain old parts.	
25519	10-31	11-3	Dept	C&R	Rolling and speed of; papers re experiments to determine effedt of bilge keels.	
25519	11-1	11-3	Dept	C&R	Rolling and speed tests; reports completion.	
24391		11-2		At.Flt	Sub.Sig.OUTFIT; Re test.	
25570	11-2	11-3	Phila.	S&APhila	Main bearing; Mfr.of 4 studs; Req.Oct.31. Shipment	
25594	11-2	11-7 11-19	C&R	Dept Phila.	Repairs to voice tubes,searchlight controller stowage,etc. List of dated Aug.17.	
24871		11-5		C.O.	Elec.Plant,quarterly report; Bu.asks make of 6th and 12th hp fans.	
26175	11-14		Phila		Propeller hub; report of physical test.	
17877	11-18		C.O.		Fibre valves(Amn Fibre Co); submits report on	
9937	12-2	12-6	Phila	Reynolds-	Ice Machines rejected; Asks re disposition.	
9937	12-9	12-10	Reynolds Co·Phi		ace machines; reqsts to be granted a few days grace in removal of at Phila.Yd.	
24391	11-26		C.O.		Sug.Signals; Has had no opportunity to test new installation	
9937	12-12	12-23 12-23	Forbes,W.D. S&A		Reynolds ice machines; states spare parts were not shipped via Culgoa.	
9937		12-23		At.Flt	Reynolds ice machines Nos.112 and 111; req.report on performance.	
9937	12-23	12-23	S&A	S&A	Ice Machines; Reynolds Co.reqst paymt of balance. 12-28 S&A	
24871	12-5		C.O.		Desk fans; reports giving poor satisfaction·	
25386	12-3	12-27	C.O.	C.O.	Hopkins Elec.Tachometer unsatisfadtory.	
9937	12-29	1-3	Reynolds Co.		States Spare Parts will fit latest machines and directs that they be retained.	

#4 IDAHO.

FILE No.		From or To— (Dated)	Subject.	
22332	9-22	Sub. Sig. Co.	Submarine testing outfit, rel test of:	
23772	9-13	10-1 C.O. Dept;Phila	Feed water heater, repairs to: Req.9-13-10 ice machine, etc do	10-3 Phila 10-13 At.Flt
22626	9-26	10-1 C.O. S&A	reqn 1, boiler tubes on, reqt cancellation.	
24038	9-22	10-16.O. Dept	Launch 343;wants gaso.eng.installed. Launch 979 has proved of great value.	12-12 C&R Dept
9937	10-4	10-6 In Hart InHart	Ice machine; Shop test reports	
24321	10-3	10-5 C&R Phila	36' cutter 606 assinged in place of 468.	
9937	10-5	10-6 Phila Phila	Reynolds Ice Mach; Not received.	
9937	10-7	10-12InpHart Phila	Reynolds ice machine; Shipment Oct.10th.	
9937	10-7	10-11InHart Phila	Ice machines; Re shipment.	10-21 C.O.Miss
24165	10-10	C.O.	Sailing launches with gaso.engines; Report on	
24651	10-10	Phila.	Ward boiler G-2; Smoke pipe for and one top head for distiller, requested Oct.3.	
9937	10-12	Phila.	Ice machine; Returns papers re date of del.	
9937	10-14	10-17S&A S&A	Ice machine; Phila Yd state if recd by 18th, installation can be finished by 26th.	in-
24775	10-4	10-15C.O. C.O.	Ice making box; Req.auth.to turn in one	
22939	10-15	10-15Ord. Dept	Repairs; Ordnance; Req.Sept.7	10-18 Phila 12-28 Ord
24871		10-17 C&R	Elec.Plant; Forwarding quart.report for information called for on report.	
9937		10-7 InHart	Ice machines; Asks about shipmt (Tel)	
9937	10-19	Phila	Reynolds ice machine; Asks of rejected machines are to be shipped to works of contrs.	
9937	10-15	Phila	Ice machines; Final payment.	
25025	10-19	Phila	Port engine; stud for main bearing; req.Oct.14	
25025	10-19	Phila	Starbd engine;studs for main bearing.	
9937	10-20	10-25 C.O. Reynolds	Recooler and mixture separator of ice machine; (Tel) Wants to retain on board.	

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#3 IDAHO.

FILE No.		From or To— (Dated)			Subject.		
21501	8-5		C.O.		comments on new steam log forms.		
21564	8-17	8-22	Phila	Phila	generating set, #8, estimate for repairs to		
21157		8-15		B&W Co	boiler header & twelve back.		
21157		8-16		AtlanticFl	Headers & tubes		
21717	8-19	8-23	Atlantic Ft	S&A	reports tests of submarine signaling apparatus		
9937		8-22		Phila	Ice machine		
9937		8-22		Reynolds	Ice machine		
9937		8-22		Atl.Fl	Ice machine		
20572	8-19		C.O.		Ice making box	Repairs	
22111	8-26	8-30	InHart	Reynolds	Ice machines	Test of	
22203	8-29		N.Y.		Boiler tubes being prepared for		
22378	8-11	9-2	C.O.	C.O.	Lytton traps for steam heater drains		
22387	8-24	92	C.O.	Phila	Fire control system	Repairs	
22216	8-26	8-31		Dept	Air chambers on feed heaters		
22217	7-27	8-31		Phila	Ammujition hoists Starting panels		
20646	8-28		C.O.		Search light	Defects in	
22332	8-29	9-6	C.O.	Sub.S.Co	Submarine bell apparatus	Report on test	
22626	8 25	9-16	Atl. Fl	Dept	Boiler G	Report of Board on	
22939	9-8		Ord.		Repairs	Ord.	
22332	9-9	9-14	Sub. Signal	C.O. Co	Submarine bell apparatus Insp.		9-21
22387		9 14		Phila	Repairs		
22626		9-16		Phila	Boiler G/	Report of Board on	
22626		9-16		C O.	Boiler G	Report of Board	
9937	9-22	10-1	Inp Phila	InHart	Ice machine, results of shop test.		10-11 Phila

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FILE No.		From or To— (Dated)		Subject.
13434	7-22		C.O.	Fiber valve On reqn 46
9937	8-2	7-25	Reynolds I.M.Co	ice machine, ready for inspn.
9937	8-5	8-3	Inspr.Hart.	ice machine, reqt copy of contractfor inspn work.
9937	8-5		Inspr.Hart	ice machine, rel Inspr.Gleason rel remaining away from headquarters. for inspn of.
20273	7-9		Phila	ships reqn 54, cyliner oil.
20342	8-5	9-7	C.&R S&A	report of inspn held at Guantanamo, February.
20359	8-5	8-8	Phila Ord	circuit breakers, fire control, rel location.
20451		8-8	Phila	generating sets, prints of.
20572	8-8	8-9	Atlantic Fl. Bos	ice making box, cast iron, reqt for.
20572	8-11	8-9	Boston S&A	Ice making box for ice machine Shipment
9937		8-3	Reynolds	Ice machine Ready for insp.
21157	8-13	8-15	C.O.Atlantic Ft.	Boiler headers & tubes. Want shipped
21256	8-12		C.O.	Ships reqn 1 Boiler headers & tubes
21157	8-15		Babcock &W.	boiler headers, ack telegraphic order.
21157	8-15		C.O.	boiler tubes, rel length of.
20572		8-9	Atlantic Fleet	ice machine, ice-making box for. shipment.
9937		8-10	S&A	Reynolds ice machine, rel inspn.
9937		8-10	ComdrHiggins	auth for Inspr.Gleason to remain during test.
9937		8-10	Inpr.Hart	Reynolds ice machine, rel copy of contract.
20572		8-11	Atlantic Ft	ice machine, ice making boxes for.
20646		8-11	C.O.	electrically controlled searchlight, defects.
20572		8-13	Atlantic Ft.	ice machine, Ice making box for.
9937	8-17		InpHart	ice-machine, 2-ton, reports on inspn

IDAHO

FILE No.		From or To— (Dated)			Subject.	
15867	6-30	7-5	Phila IN	Crampp	Propeller hub	Templets
16075	6-27		Phila		Survey 13	Compass plates etc
16094	7-2		Phila		Armature & commutator	Turn into store
16208	6-29		pPhila		Reqn 146	Spare parts for generator
16300	6-27		Phila		Survey 14	Glasses knives etc
16357	7-5	7-7	C&R	C&R	Repairs	Submarine signalling tank
16573	7-8	7-11	Dept	C&R	Fire control & plotting rooms	Overtime work
16720	7-8		Phila		Steqm launch engine 699 G 2 issued	
16831	7-7		Phila		Reqn 26	Motor starting rheostats
16899	7-7		Phila		Reqn 20	Insulators
17045	7-11	7-12	S&A	S&A	Ships reqn 45	Es. cost
15867		7-11		Phila	Propellers	Templates
17275	7-11	7-13	C&R	Dept	Gage mast	20 ft mast on top of
17398	7-13		Dept		Ice machine	Covering of piping
17399	7-13		Dept		Piston rings	Phosphor bronze for
17633	7-13		Phila		Circuit breakers	Est. for installation
17415		7-13		Phila	Evaporator system in doubel effect	
17638	7-14		Phila		Fire control system	Changes
17872	7-14		C.O.		Main bearing studs	Blueprints
18026	7-14	7-21	Phila	Phila	Propeller	Blueprints
18197	7-16	7-20	S&A	S&A	Reqn 53	Pay office unable to secure quotations
13434		7-18		C.O.	Fiber valves	On S.E.Reqn 46
17877		7-19		C.O.	Fiber valves	
18818	7-22	7-23	EWheeler	do	Tachometers	at Newport.

NB—0120

KANSAS: MOVEMENTS: ETC.

1913

Number.	Date.	From or To—	Subject.	
101851	7/19	Dept.	Engrg Comp. Report B.	766
107949	10/15	Dept.	Umpire's report; fwds.F Ret Dept 10-16	
108943	10-28	Dept	Eng.Comp.Report A; fwds.F Ret Dept.10/30.	
113444	12-23	Bd on Changes NYS	Standardization trials; extra cost.N (J)fwd Dept.rec appr.1/22	
		1914		
114772	1/12	To NYS JOINT	Inc.compensation account extra cost of standardization trials.	
115226	1-15	NYS 180-249	Fwds bill for increased allowance on account extra cost standardization trial.N	
130752	7-24	Dept	Report B;fwds. F Ret---7/27.	
		1915		
145003	1-19	Dept	Full power and endurance run; report. Retd-- Noted. 1/20	
147566	2-17	Dept	Report A; fwds.F Retd-- Noted. 2/19	

N.S.E. Form 134.

255:2: KANSAS: MOVEMENTS :ETC: TRIALS PAYMENTS

Number.	Date.	From or To—	Subject.	
451642	no date	J.S.Burns	Request list of ports visited by vessel from June ~~15th~~ 1915 to December 1915.	
			To Navgn- 10-16	

NB—0120

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KANSAS: MOVEMENTS, ASSIGNMENT: REPORTS-Misc.

FILE No.		From or To— (Dated)		Subject.	
29778	1/15	At Flt		SALVATOR REVOLUTION RECORDER: installed on for trial: Fwds report on	665--2 7
34501	3/14	C.O.		VALVE GEAR: Lovekin, reports on.	636--7
				1912	
62366	2/15	Kansas		Salvator speed regulator: reports ontest of: not adapted for use Naval service	665--7
✓ 62528	3-1	Dept	28004-1-260	& SOUTH CAROLINA: LOUISIANA: MINNESOTA: Eng.comp. trials; report "A". Fwds. F-D-Y Ret---3/13.	
✓ 84949	12-9	Dpet		Report "A" eng.Comp. F Ret---12/19.	
				1913	
89503	1/29	Dept		& WASHINGTON: directs increased cost on account of changes in trial be referred to Board on Changes.	474--2
✓ 90792	2-20	NYS	419-249	Increased cost due to standardization trial: reqt. report of trial board for temP/ use.N To---Fwds papers.2/21. NYS Fwds est. inc. cost. 6-4	
✓ 100420	6/27	To Bd on Changes J		Increased allowance on account of extra cost of standardization trials: fwds papers. To be adjudicated by Joint Board.	

NB—0120

KANSAS: ELEC PLANT.

Number.	Date.	From or To—	Subject.	
307076	3/27 5/15	CO C&R	Fwds blue print showing scheme for installing water tight cover plates without removing conduits - recommends re-location of conduits -L Fwd Phila, 5-25 RB 6-29 C & R - Regts action. L 6;10 Phila - 6-14. To C&R, matter of repairs taken up with Phila Fwd C&R 7-5	6-19
			1920	
479887	3-5	To Phila (T)	Auth to use plain cable instead of lead and armored for repairs turret wiring. L	

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Number.	Date.	From or To—	Subject.	

4—3381

[OVER.]

KANSAS: ELEC.PLANT.

1912

Number.	Date.	From or To—		Subject.
84387	12-4	Phila	580-340	Install new combined fire and conning towers; and torp. firing station; work has been approved but impossible to carry out unless Bureau grants additional funds requested. L To---Addtl allotment impracticable.12/7.
				1913
86282	12-28	Norf	3120-580	Elec.plant; fwds list of tracings fwded to Phila.L.
			1914	
122976	4/14	CO		List of electrical work to be undertaken by ship's force during overhaul period.L
123340	4/24	Phila	580-290	Requests all electrical tracings and Record of Elec.Appliances on file at other yards be forwarded.L Fwd Norf--comply with request 4/27 Ret---5/11. TO NY fwds tracings 5-25 TO NYS & Bost 5-25 NYS 5/26.only one copy of record on hand: balance destroyed by fire.L Fwd NYS fwds copy to Phila 5-28 NY 5/28 not on file at yard.L Boston 5/29.No record.L
			1915	
144579	1-14	CO		Reports damage to elec fittings during recent storm. L Dup thru Dept 1-15 postpone work as not absolutely necessary , To Phila--(T)Reqt necessary repairs be expedited: wire extent work. 1/16 Dup thru Flt 1-15

N.S.E. Form 134.

1915
1913
1912

KANSAS: ELEC PLANT. 255-3

Number.	Date.	From or To—	Subject.
144810	1-18	Phila	Can complete in 4 weeks reneal of wire for forward turret.L
156658	6-1	CO	Repairs to misc motors, illuminating sets, WT doors, switchboard, etc.L
		1916	
184733	4/12	CO	Repairs by ship's force, elec. dept.L To--Use leaded and armored wire instead of conduit proposed. 4/15
185529	4-21	CO C	Reqt authority to turn in misc motors, field coils, etc.L To Via Phila--Appvs; call survey. 4/24
197785	8-4	CO	Changes nedessary to meet requirements turret board.L CO further 9/9
198755	8/29 At Reserve Flt cut out switches; reports on installation in sister ships 11-8	CO	Install S&R boxes for searchlight leads and relort, cut out switch for engine telegraph indicator.L Fwd Phila--For estimates 9/19 RB 10-19 Ro Atl Flt--Reqt infor as to whether there are cut out switches for conning tower instruments on VERMONT, NEW HAMPSHIRE & MINN. 10/30
200943	9-23	CO	Request authority ot turn in motor generator, dynamotor, searchlight lamps.L To CO-via Phila--Auth. 10/5

NB—0120

[OVER.]

FILE No.		From or To— (Dated)		Subject.
32773	1/4	C.O.		Reqt. installation of cargo lights, and other elec. repairs. L. Fwd. Norf. for recomd. & estimate 3/3 R.B.3/24 with est. Fwd Dept via C&R Red apprd 3/30. R.B.4/8 appd. Fwd Norf.4/10. RB 4-17
50344	10/4	Norf	5292-8090	Elec. work in connection with alteration fwd bridge. L Ret---Reqst copy plan 2436-580. 10/12. 3310-80
50448	10/4	Norf	5304-8111	Fwd elec. work in connection with vent. of new offices.L. Fwd C&R.Incidental work auth.10/9. RB 10/18 C&R auth. skylight in lieu of art. vent. Fwd C&R. Noted.10/19.
				1912
62653	3-1 3-4	Norf Dept	886	12" ammunition hoist; Dept directs estimates; also for VERMONT.L Fwd C&R.Gives estimate.3/6.
64464	3-18 3-21	C.O Norf		Reqt. fire and engine room be rewired with heat-resisting wire.L To C.O.via Norf. Not appd at this time.3/30.
78647	9/23	To Norf.		Tube hoists - repprt amount spent under E of V.
82857	11-14	Phila	580-340	Combined conning and fire control tower; est. for elec.work.L To Phila - approved 11/19

1918

KANSAS: INT COM SYS.

Number.	Date.	From or To—	Subject.	
298727	3/9 3/25 4/16	CO Dept Ordn	Completed work on inatallation of target indicator system and install Forbed log - L	
32504	5/3	Holtzer-Cabot Co.	Reports re ceipt of telephones from the KANSAS.	629
345387	9/5	C&R	Request confirmation of authorization of additional voice tube arrangements - L To C&R. Confirms understanding re repairs and alterations, 9-9	
353001	9-25	CO	Requests Gyro relay L Fwd Nav, 10-1	
368603	11/13	C&R	Voice tubes - fwds prints - L	
411834	4;16	Phila	Wiring diagram of gyro compass and target turret FC System fwds prts L To- Plan appvd. 4-22	

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1919

KANSAS: INT: COM: SYSTEMS:

Number.	Date.	From or To—	Subject.	
451307	10-1	CO	Rqst rearrange plotting room. L	
	10-13	Phila	Fwd C&R. 10-17 To Comdt Phila- Re-location of instruments disappvd. copy to CO and C&R. 10-17 C&R 10-25 Copy ltr to Phila	
474330				
			Phila-2;13	

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[OVER.]

1915

KANSAS: INT. COM. SYS.

Number.	Date.	From or To—	Subject.	
167494	10/4	Phila	Director firing system; KANSAS, MINNESOTA, CONN; asks if plans submitted Sept 23rd satis for these vessels	647
			1916	
183851	4/4	Phila	Location of torpedo defence station; fwds list of voice tubes, etc.L	
185180	4-8	CO	Fire control telephones; arrgt of instruments Fwds sketches.L	
186199	4-27	Nav gn	Awkward arrangement of gyro compass:L To Via C&R--SE work authorized 5/2	
202821 17	10/18	Phila	Fire control changes; fwds print showing height of searchlight platform.L Fwd C&R--With recommendations. 10/26 Fwd--11/13 RB 12-1	RB 11/3
209166	12-19	Phila	Fire control telephone circuit for anti aircraft guns; estimate.L To--Appvs est. 12/23	
208669	12/20	To C&R Phila Nord	Rec voice tube from forecastle to anchor eng room of. L	169-4
			1917	
217314	3-8	C&R	Gyro compass; auth work under C&R.L To Phila--Work auth.3/17 Fwd Navgn--3/17	

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KANSAS: INT COM SYS.?255-4

Number.	Date.	From or To—	Subject.	
217314	2-24 3-8	Phila C&R	Gyro compass; estimate for installing.L	
230484	5/26	C&R	Location of search light platform and torpedo defense stations - fwds print L	
238953	7-16	Atl Fleet	Recommends that the be fitted with auziliary batteries. for interior communication, failure of ships generating set will place all communication on board out of commission. 768	
283374	2/12	Ordn	KANSAS CLASS - copies of correspondence relative to removal of 6 seven inch guns - L	
286439	2-27 3-4	CO C&R	Changes in voice tubes. L Fwd C&R 3-14	
292494	2/11 3/23	CO Atl Flt	Standard gun firing panel - request changes in - L To- Changes proposed appvd/ 4-2	
294210	3-29	CO	Utah type telephone - old type ready for shipment about April 1st. L	

1918

NB—0120

[OVER.]

KANSAS: INT COM. SYS.

1914

Number.	Date.	From or To—		Subject.
115199	1-15	Phila	580-467	Telephone system; estimate for new.L To---Gives list of material Bu will order.1/24. Fwd Dept.rec appr·1/26. RB 1 28 To---appd.1/28.
122374	4-11	Phila	580-343	Fire control telephones; fwds plans.L.
123309	4/24	Phila.	R	Asks if telephone switchboard and telephones in store for MINNESOTA can be diverted to the KANSAS.L TO -- (T) install MINN on KANSAS; TENN on MINN 4-25
123528	4-24	Phila	580-333	Ship service telephones; plan.L To---appd as mod·4/28.
126376	6/1	Phila·		Call bell circuits, rewiring; additional estimate.L To Phila.appd.6/4.
127237	6/6 6/12	CO C&R	27582-E.31	Alterations to voice tubes.L Ret C&R.with rec.6/16.
			1915	
145105	1-19	CO		I-C motor generator; reqt be replaced.L Fwd Phila-- For estimate and rec· 1/21 RB 1 27 Fwd CO--Reqt statement on motor generators. 1/29 RB 2 1 To--Instructions· 2/4 To Phila--Reqt estimates for providing 20 volt int com sys· 2/4

N.S.E. Form 134.

KANSAS: INT COMSYS. 255-4

1915

Number.	Date.	From or To—		Subject.
147511	2-16	Phila		Estimate for repairing motor generators for I-C system. L To--Instructions· 2/20
148438	2-27	Phila		Motor generator for salvo circuits.L To--Instructions· 3/3
149197	3-8	Phila	580-315	Salvo generator; fwds plan.L To-- Appvs with comment. 3/11
150134	3-18	Phila	580-315	Salvo generator; fwds list of motor generators on board; recommends work be done by ships force.L To-- Concurs in. 3/24 Phila will report arrival 3-29
156185	5-28	C&R		Alterations to fire control and I-C voice tube.L To--Recommendations. 6/1 RB 6/5 Fwd C&R-- Noted· 6/5
158095	6-14	Phila	88014	Visual repeaters; estimat for connection boxes for. L Fwd Ord-- For comment and rec.6/22 RB 6/29 Fwd Dept-- Rec disappvl. 7/6 RB 7/8 Fwd Ord-- Noted. 7/8
158095	VOID			
163599	8/17	C&R		Voice tubing in connection with battle radio.L Fwd C&R 8-18
163604	8/17	C&R		Approval of use of 3" tubing from conning tower to after torpedo room.L Fwd C&R 8-18
164448	8-24	CO		Reqt authority to turn in 2 I-C motor generators.L Fwd CO via Phila-- Appvs. 8/30 RB 9/11

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[OVER.]

KANSAS: INT.COM.SYS.

1912

Number.	Date.	From or To—		Subject.	
80641	10-16 10-19	At.Flt Dept	1957	Reqt. that alterations to conning tower, bridge etc., be undertaken during overhaul period ending Mch. Dept. believes impracticable. L Fwd Ord 10-22 R.B 11-14 Fwd C&R.11/15.	
80888	10-23	CO		Telephones; explains reason for desiring to retain H-C type.L.	
81736	11-4	Dept		Installation of new conning and fire control tower originally purchased for SOUTH CAROLINA; directs estimate be submitted.L. To Phila.Request estimates.11/7.	
82857	11/14	Phila		Combined conning & fire control tower, est. for elec. work	255--3
83809	11/29	Dept	t	Combined fire control and conning towers, to be installed.	647--11
83979	11-27 12-2	Dept C&R	27582-E.12	Fire control and conning tower; installation during overhaul period; limit Mch. 31st. L Fwd Ord.12/3. To Phila.Instructions.12/4.	
				1913	
88975	1/20 1/29	CO Phila.	580-320-6	Extend torpedo firing service to top of fire control tower.L To Phila.appd.2/1.	

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N.S.E. Form 134.

KANSAS: INT.COM.SYS. 255-4 1913

Number.	Date.	From or To—		Subject.	
90108	2-5 2-7 2-12	Phila C&R Dept	Constr 22286-E.16	Re-arrangement of bridge incidental to fire control and conning tower installation.L To Phila.authorized.2/14. Ret C&R.2/14.	
92857	3-12 3-17	CO Phila	580-334-6	Repair elec. engine telegraph.L To Phila.appd.3/21.	
93166	3-21	Phila		Submits increased estimate for overhaul Salenoids of Warning Whistles.L. TO -- apvd 3-25	
93930	4/12	Dept	&	Class. Authorizes removal 2 in board 3" bridge guns.	456--4
95710	4-30	TO FIRMS		Bu. contemplates purchase of ships telephone sets; reqt. conference. L Western Elec.Co.5/5 & LOUISIANA.representative will call within 10 days.L H-C Co. will submit samples 5-9	
96753	5/6	Stromberg Carlson Telephone Mfg.Co.		Quotes and forwards photograph of telephone.L	
98635	6-3	Western Elec.Co.	&	LOUISIANA; telephones; are getting together plans.L.	
113783	12-29	Western Elec Co		& LOUSIAINA: Asks when purchase of telephone system is contemplated.L To---contemplate installing new telephones on LA and VERMONT, but not on KANSAS.1/5	

NB—0120 1914 [OVER.]

KANSAS: INT.COM.SYS.

Number.	Date.	From or To—		Subject.	
52318	10/28	Norf	NC	Elec. engine telegraph and time firing device; estimate for installing conduit and handers. L Ret---Appd.11/1. RB 11-10	
52319	10/28	Norf	5813	Alterations to bridge; est. for elec. work. L	
52289	10/27	Phila.		CONNECTICUT: Fire control voice tubes; asks if alterations on drawing 1896-L have been made at other yards.	169-4
54014	11/15	Norf	580	Submits estimates for fire control work with addition of conduit. L	
54170	11/18	Norf.		KENTUCKY: engine room rev. telegraphs, have issued order to remove and install on Kansas reqt steps be taken to replace	258--4
54766	11/20	Norf.	6327-92-38	Can complete all fire control changes during present visit with exception of installing telephone motor generators.L To--Contracts #162 & 163 placed with Holtzer-Cabot. 12/2.	
56210	12/12	Norf.	138-304	Reports issuing job order for installation of conduit in connection with telephone and I.C. motor generators.L	
				1912	
60138	2/1	To Norf.		Fire control system; request finished plans (voice tubes, outlets, salvo and telephone systems).L	

NB—0120

N. S. E. Form 134.

KANSAS: INT.COM.SYSTEM. 255--4

Number.	Date.	From or To—	Subject.	
60504	2/6	To C.O.	Fire control installation:(Telephone, voice tube and Salvo systems): Asks what modifications are deemed necessary. Drawings forwarded.L	
61298	2-13	Norf 744-1283	Gives list of fire control plans at Yd.L	
61654	2-17	Norf 138-369	Telephone motor generators; re mix-up in assignment. L Fwd S&A.Gen.ordered on recn.221; directs gen.withheld for KANSAS be supplied to LOUISIANA. 2/24 RB 3-16 Ret--via Washn PO. 3/19.	
62533	2/2	C.O.	Reports on unsatisfactory work done at Norf. on searchlight distance control, revolution counters, bells & buzzers for TBDs Tor. Defence Salvo circuits	255--8
68584	5-5	CO	Reports on working of ship control station located in main top and fitted with Cory instruments.L	
78647	9/23	To Norfolk	Tube hoists - report cost of work under EofV. ~~BLRB 9-28~~	255-~~3~~
78892	9/26	To Norf. C.O.	Reqt information re source of telephones tried out on ship and found unsatisfactory.L To CO reqt. reply/ 10-22 RB 10-28	
79718	9-24 10-8	Phila Ord 25154-108	Gyro compass set; Ord lists fire control instruments to be supplied.L Fwd C&R via Nav.Fwds Vandyke.10/12.	

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[OVER.]

KANSAS: INTERIOR COMMUNICATION SYSTEM:

Number.	Date.	From or To—	Subject.	
37109		See Card #1	To Norf. Fwds drawing 7749-25; reqst inspection of mechanical control with view to making modifications to ensure efficient working. 5/3. Fwd C&R noted. 5/5. B.L. to Secy via Ord. C&R. R.B. 5/15 Fwd Dept via Ord. 5/22. RB 6-8 Fwd Norf. Plan 1876-L enclosed. 6/12. BL RB 6-28	See below
38300	4/19 5/9	Norf 2301-3299 C&R 21482-E.662	Sub, central and sub-stations; fwds print of proposed arrangement; C&R disapproves. L Fwd Dept via Ord. Concurs in rec. 5/11. RB 5-28 Fwd Ord. Noted. 5/24.	
38515	4/25	Norf 2439	Fwds prints showing firecontrol voice tubes as now actually installed; recommends modifications. L. Fwd C&R. Reqst that Norf. be informed that no action will be taken at present. 6/10.	
39511	5/18	Norf 2914	Mechanical distant searchlight control; fwds prints of, and submits estimates for manufacture and installation. L Ret -- via C&R. approved. 7/26. RB 8-10	
41430	6/14	Norf 580	Sub-central and substations; reqt. prints. L To -- Van Dyke fwd. 6/19.	
37109		See above	To Norf. Fwds Van dyke 1876-L. 6/23. Fwd Ord. 6/23. RB 7-12	
41951	6/23	To Dept	FIRE CONTROL: reqt auth. to proceed with alterations.	647
43083	6/27	At. Flt	FIRE CONTROL: fwds report on arrgt of guns, Tor. Defence groups, etc.	647
43625	7/10 7/14	Norf 3876-5794 C&R 21482-E.665	Alterations to sub & sub-stations. L. Ret C&R. Noted. 7/17.	

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Kansas.
255 --4

Number.	Date.	From or To—		Subject.	
46319	8/3	C.O.		ALTERATIONS: reqt fire timing device	255--8
√ 48768	9/13	Norf	138-198	Conduit work for fire control; estimates. L	
√ 48992	9/15	Norf		Conduit work in connection with fire control. L	
49243	9/21	Dept		& OHIO: fwds report on behavior of fire control voice tubes.	323--4
√ 49648	9/27	GE	92	Fire room timing device; fwds description. L	
√ 50505	10/7	C&R	21482-E.690	Conduit work in connection with fire control changes. L Ret---Noted. 10/10.	
√ 51533	10/12 10/17	C.O. Norf	5581-8515	Reqt. installation of 2 engine room engine revolution telegraphs; recommends those in store for KENTUCKY. L Ret Norf. Appd. 10/21. RB 11-16	
√ 51716	10/13 10/18 10/21	Norf Dept C&R	5442-8323 21482-E.709	Alterations in forward bridge; approved. L To Norf. Appd. 10/24. Ret C&R. 10/24.	
√ 52028	9/28 10/20 10/26	C.O. Norf C&R	 5669-8547 21482-E.721	Reqt. changes in voice tubing of 12 and 8" turrets. L Fwd Dept. Rec no change in size. 11/8. RB 11-16 a'ppd Ret C&R. Noted. 11/17.	

NB—0120

[OVER.]

KANSAS: INTERIOR COMMUNICATION SYSTEM:

FILE No.		From or To— (Dated)		Subject.	
33682	3/13	TO Norf		Central, sub-central and sub- tations; reqt. plan showing general a rrangement of instruments.L.	
33814	1/3 3/13	C.O. Ord	22535-69	Reqt. improvement in fire control system, voice tubes from fire control tops to control positions in entire battery. L. To C.O. F.C.telephones should be made subject of reqn.3/16. Fwd Norf.Requirements 3/16. R.B. recommendations & estimates. 5/4	
34991	3/28	Norf	1833-2270	Central and sub-stations; states plans will be prepared and forwarded at the earliest practicable date. L	
36408	4/14	C.O.		Battle practice; fire control telephone jacks, give trouble.L.	
36560	4/19	TO ~~KANSAS~~ Norf.		Reqt. further report on defective voice tubes for fire control.L.	
36906	4/20	Norf	2331-138-102	Fwds prints showing central, sub and sub-central station.L.	
37109	4/8 4/18 4/21	Norf C&R Ord	580-E.21 31482-E.651	Work in connection with installation of oscillating type of dials fire control, elec. visual instruments. L Fwd Dept. Not rec.4/27. To Dept via Ord & C&R Fwds plan 1876-L for appr.4/29:Fwd Dept Not rec.4/29.RB 5-8 a'ppd	See Card #2.
37302	4/27	C.O.		Submist list of voice tubes, instruments, etc. required to fit main top for navigation purposes.L	

NB—0120

KANSAS: LIGHT AND POWER:

1921

Number.	Date.	From or To—	Subject.
542709	1;25	CO T	Request shipment of mirror for Carlyle Finch searchlight.L
			To S&A Reqst shipmt of parts for lights from Norf
			To CO 6181 2-2/21 L
		Norf-3;9-L	Fwd S&A 3/19
			Fwd O-I-C Hamp Roads 5/20
578539	8/5	To CO	Lead acid battery log sheet not required 8/5 L
		1922	
628967	6/13	Phila	1009-311 12" desk and bracket fans located on board KANSAS and will be fwded to CO VEGA L
USS PATUXENT	Eng.	38- L R 7/21 To Phila	Desk and bracket Fan 12" direct current. Removal from U S S KANSAS

4—3381

N. Eng. 134

Number.	Date.	From or To—	Subject.	

KANSAS: LIGHT & POWER.

Number.	Date.	From or To—	Subject.	
199884	7-27	CO	Wrecking of No 8 generator gas engine; GE Co. Estimate for repairs.L To Phila -- Work authorized 9/22.	
201997	10-6	Bd I&S	Material inspection.Y	8
206406	11/27	To CO	Directs removal of 2 12" searchlights on, and prepare for shipt to OKLAHOMA. Gives change to be made in SE allow list as result. LR To OKLAHOMA--Instrns. Gives change in SE Elec allow books. 11/27 CO reports turning in searchlights for shipment to OKLA 12/4 Phila 12/9 To--Directs omit 12" signal searchlight from allow. 12/16	
222919	4/5	CO	Fit 36" searchlight with positive carbon rotating device.L Fwd Phila--4/23 RB 5-7	
227135	5/7	CO	Request that signalling search light search be expedited L To NY--5/10	
400691	3-4	CO	Connect auxillary and exhaustline to evaporator coils.	15

N.S.E. Form 134.

KANSAS: LIGHT & POWER. 255 - 5

Number.	Date.	From or To—	Subject.	
248436	9/4	CO	Reports turning illuminating sets L	
273763	5-23	To C O	Authorizing installation auxiliary lighting system, L	377-5
313085	6-2	Atlantic Battleship Force T	Recommends installation of auxiliary lighting system on. L Fwd Dept, 6-28 RB 7-5	
444048	9/5	Phila	Submits report of Bd of Survey & Estimates Complete work on converting 35 inch low power searchlights to high power Sperry type -/27.	255-8
486593	4;9	Phila	Submits estimates covering installation of maneuvering signal lights on.L Fwd Operations. 4-13 ~~R B 4/20 - L~~ R B 4/22 - L	
487720	4;7 4;15	CO Phila Phila	Request installation of fixed light maneuvering and man overboard signals.L Fwd Operations. 4-19 RB-4;24-D	

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[OVER.]

KANSAS: LIGHT & POWER

1913

Number.	Date.	From or To—	Subject.	
87961	1-3 1-17	CO Phila 580-3516	Searchlight mirrors; supply 2 to replace those broken during target practice.L. To Phila.appd.1/23.	
88781	1-27	Phila 580-336 To Phila.Reqst ret. 4/12. BLRB 4-17	Gyro compass; have completed plans of wiring and reqt. information so instrument connection may be indicated; also material including fire control be sent yard. L To Navgn.Via Ord. 1/30, To Nav via Ord. Reqst ret of corres.2/11. RB 2-17 To Nav.via Ord.elementary wiring diagram being prepared.2/21. Fwd---2/21. RB 4-18 To Phila.reqst ret.3/29.	
89404	2-1	Phila p 580-467	Make heavier spindles for hand control searchlights. L. To---searchlights and their control are under SE.2/6.	
No #	3/17	To Phila.	Survey 21; searchlight shutter; repairs authorized.L	
96827	5/8	NYS 616-2024	Reports finding boxes for searchlight fronts in Company's storeroom; requests shipping instructions.L Fwd.Phila.Asks if boxes are of any use to. 5/10. RB 5-16 To-NYS- to be shipped to Phila. 5/19	

1914

116782	2/4	To Norf & Phila	SEARCHLIGHTS, reqt estimates for substituting 36" in place of 30"	708

N.S.E. Form 134.

KANSAS: LIGHT & POWER. 255-5

Number.	Date.	From or To—	Subject.	
117564	2-12	Phila	Estimate for installing 36" in lieu of 30" searchlight. L To---appd.2/13.	
No.#	5/16	To Phila	Survey reqt 153-31-5/7/14, searchlights received from the KANSAS; estimates for repairs excessive; reqt revision	~~708~~
127502	6/13	Phila	200 watt lamps; fwds prints showing modified guard installed on MINNESOTA	675
		1915		
144873	1-18	Phila	Lists damage done by storm.Y	
160366	6-22	CO	Repairs to illuminating set.L To Phila-- Appvs 7/13	
163648	8/10 8/16	CO Phila	Gen sets; estimates for repairs.L To Phila (T) auth 8-18	
164163	8-17 8-24	CO Dept	Fwds corres relative to repairing generators.L	
		1916		
186029	4/27	Phila R	Fire Control Board on inquest recommendations re placing searchlights; above vessels desire different arrangement	708
195031	7/18	CO	Report of accident to #8 gen set engine, make not given.L	
198374	8-28	CO	New lights for coaling ship; added to allowance; reqn disapproved. L	

NB—0120

[OVER.]

KANSAS: LIGHT & POWER SYSTEM.

Number.	Date.	From or To—	Subject.	
43838	7/12	C.O.	Replace 2 additional searchlights.L.	
44866	7/28	Norfolk 4170	Searchlight control; reqt decision. L To---Was authorized July 26th. 8/1.	
46402	8/9	Norf 4309-6507	Installation of blinker lights.L Ret---Estimates appd.8/16. ~~RB 8-30~~	
52652	11/3	Brook	Cont.160, Wash.10, motor generators. Copy of order for control panels with Cutler Hammer Co	629
55099	11/4	C.O.	Install electric lights in evaporator room trunk, fit gage glass fittings on evaporators etc	255--8
55779	12/11	To NY & S&A	& TENNESSEE: reqt shipment to Ports and Norf. reqp. of 2 kw variometer type set for; also shipment of W.spec. receiver to Ports.	431--6
57173	12/20 12/23	C.O. Norf. 7098-10912	Dynamo engines; L.P.valve stem slides; requests manufacture.Y 1912	
58317	1/8	Norf 101	Mechanical searchlight control; fwds b/p.L	

N.S.E. Form 134.

KANSAS: LIGHT & POWER SYSTEM. 255--5

Number.	Date.	From or To—		Subject.	
67146	4/18 4/20	CO Norf.		re-silver one 30" searchlight mirror.L Fwd Dept.not rec.4/26. LB 4-29 To Norf.repairs authorized.4/30.	
67372	4/27	Norf.	R	Requests authority to issue one green running light in place of one condemned by survey.L (W)to---appd.4/27.	
77910	8-28 9-7	Navgn Ord	5778-470 25154-98	& LOUISIANA: NEW JERSEY: reqt.installation of necessary power wiring, etc. for Gyro compass sets at next over period; Ordnance asks certain Gyro fire control instruments be installed same time.L Fwd Dept. 9-13 LB 9-23 appd fwd.Nav.9/25 To-Norf. work auth. 9/25 To-Boston do 9/25	
78892	9-26	TO Norf	CO VOID	Reqt. ~~comm~~ information re source of telephones tried out on ship and found unsatisfactory. L	
82046	11-7	Phila	580-336	Gyro compass; reqt. wiring diagram. L To--- work authorized.11/8.	
84662	12-7	Phila	580-336	Gyro compass: reqt. plan covering installation, including fire control, bre furnished.L To---Fwds Vandykes. Comments.12/16. To Phila. gives Ord. comment 1/8	
				1913	
87711	1-6 1-14	CO Phila	580-150	Renew ash pans B&W boilers.Y	

NB—0120

[OVER.]

KANSAS RADIO 1920

Number.	Date.	From or To—	Subject.	
518972	9/22	Phila.	Radio instln- confirms telephone conversation. W.	
534904	12;14	CO copy	Request authority to draw radio apparatus listed from stock at Pearl Harbor.W	
		To S&A Reqst shipmt of Transformer from Norf to SO Boston 6629 3/16 RB-4;28	Shipt order from Norf to KANSAS 12/17	5583
		Norf-Reqt auth to cancel shipment orders-4;15-W	To CO (T) authd 12-16	
		To DM Norf will issue instrns cc Norf S&A 4/22	To S&A Reqst instrns 12-28	
		OVER	To S&A Reqst shipmt of app from Norf to Boston 6628 3/15	
536241	12;21	CO copy	Request rush shipment of spark gap insulators.W	
			To S&A Reqst shipmt of App from Brook to CO 5567 12-27	
			To CO (T) Gives inform 12-27	
			S&A-copy of action to NSD-12;30-W	
			S&A-1;13-W	
533066	1;3	CO	Request authority to survey audion control boxes and receiving set.W	
541946	1;21	CO copy	Request ship at once two Dubilier transmitting condensers.W	
CO-T-1;25-W			To CO (T) Ask to verify type number of cond 1/24	
CO-copy-gives type of transmitting condenser desired-1;24-W			5th Div 3-Reqt 2ndary units be furnished-2;26	
542038	1;21	CO copy	Request shipment of two Dubilier transmitting condensers.W	
			To S&A Reqst shipmt of cond from Boston to CO 6063 1/25/21	

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N.S.E. Form 134.

KANSAS) RADIO 1921

Number.	Date.	From or To—	Subject.	
544609			To CO re Radio svc per ormed by KANSAS on the trip between Panama and Samoa cc 14 Dist 2/5/21	
541946		SEE OTHER SIDE	To Im Norf Secondary transformer units for radio set ; Reqst inform 3/9 W. To Phila Gives action cc CO- Boston 3/15 To S&A Reqst shipmt of transformer from Phila to Boston 6650 3/16 RB-4;29-W Norf-3;16-W To S&A Reqst shipmt of transformer from Boston to Phila 6649 3/18 To I Norf Gives shipg status cc SO Norf- Boston 3/18 RB-4;7-W	
534904		SEE OTHER SIDE	To S&A Reqst shipmt of transferrer from Norf to CO 7104 4/22 To Boston Reqst Est be submitted 4/26 Boston-Will submit est about June 1st-5;25-W Norf-5;24-W To SO Norf Gives Action 6/1 Norf-5;6-W	

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[OVER.]

KANSAS: RADIO

Number.	Date.	From or To—	Subject.	
321486	6-29	To S&A	Rqst shipmt radio amplifier from Wash to CO - material recd 9/4 - 9/7 - Y	CO W
321499	7-2	To S&A	Rqst shipmt radio set from Wash to CO W Shipment order dated July 2 received back Nov. 20	W
324485	7-12	To S&A	Rqst shipmt radio apparatus from Wash to CO W Shipment ordered 7-12 RB 8-5	CO W
328831	7-23	To S&A	Rqst shipmt wave meter Wash to CO W R B 1/17	
339543	8-22	To S&A	Rqst shipmt radio apparatus Phila to CO W	
6 341633	8/17 8/22	Phila CO	Rearrangement of main radio room - fwds prints with recommendations - W Fwd C&R 9-11 Atl Battleship Force No 1 - 8/24 To C&R 9-11 RB 9-19 Fwd C&R 9-30 R B 10;22 Fwd Dept, 10-30	

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N.S.E. Form 134

KANSAS : RADIO

Number.	Date.	From or To—	Subject.	
350466	9-16	Phila	Req. Rad. Insulator W To NY (T) Rqst expedite shipmt electrose insulators 9-21	
356167	10;5	Phila	Confirms telephone conversation in connection with remote control system on W	
368603	9/10	Phila	Confirms telephone conversation relative to radio room.	
408838	4-8	To CO	Rqsns 30 and 31 for 1 hand key and contacts are being held at Bur pending recpt of further info re need therefor- 4/8 CO fwds requ. for relay 5:7 To CO- Reqts duplicate copy of your letter in reply to Bu letter of 4-8th. 7-22	
486411	4/6	Phila	Confirms telephone conversation in connection with estimates covering radio work on CONNECTICUT & KANSAS. W	169-6

4—3381

[OVER.]

1915

KANSAS: RADIO.

Number.	Date.	From or To—	Subject.	
174720	12/24	Phila	No Marconi wave changing switch has been removed; quotes authority for repairs to a Mark III wave changing switch. W To--Reqt wave changer be traced to locate present assignment. 1/18 Phila switch located; never installed 1-28	
			1916	
177405	1-27	To CO.	Radio apparatus; asks disposition of certain. W Replies 2-26	
180365	3-1	To S&A.	Reqt shipment portable radio set from Phila to ship. W	
183522	3/22	At Flt	Reqt explanation as why vessels were not fitted with auxiliary antennae before sailing 875	
184616	4/7	CO	Reqt alterations toradio set. W Fwd Phila--For comment and rec. 4/17 RB 4/26 To Phila--Auth alteration in. 4/27	
194008	7/18	CO	Submits list of radio equipment required. W Fwd S&A--Rec typewriter be supplied. 8/2 To--Lists material to be furnished. 8/2 To S&A-- (4) Reqts for shipment. 8/2 To NY reqt name plate data 8-19 NY set not yet shipped; due 8-30 8-31	

N.S.E. Form 134.

KANSAS: RADIO: 255-6

Number.	Date.	From or To—	Subject.	
200852	9-19	CO	Install new main antennae with rat tail to clear bridge; fwds print. W Fwd Phila-- Authorizes work. 10/4	
208384	12/11	Phila	Solenoid operated antennae switch for radio work; estimate.W To--Modif appvd. 12/15	
216903	3-7	To NY	1917 Record of Lowenstein 5 kw quenched spark gaps purchased under contr 804. Aks disposition of last one of three ordered retained at Yard. One shipt to TEXAS and one to KANSAS.	898
223122	4/17	To CI	NSE 25-B and Bu records differ. Reqt further information. W RB 4-27 RB 5-12	
234957	6/22	To CO	Reqt infor re location of 1-P-76 receiver, reported transferred to KENTUCKY. W CO - 7/5 W 4	
236969	7/6	To S&A	Reqt shipt of rec set from Wash to. W	
295165	4/2	NY	Fwds radio drawings covering report of test on Sperry short wave transmitter, on the USS Arkansas W	876

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[OVER.]

KANSAS: RADIO.

1914

Number.	Date.	From or To—	Subject.	
138257	10/28	Phila	Have issued orders for material in advance of approval of estimates in order to complete during repair period	169-6
147375	2-16	To Phila.	Battle radio installation; if opportunity offers for making before July 1, inform Bu before work is undertaken W	
			1915	
148398	2/26	S&A	Fwds corres on transfer from Marine Corps to KANSAS of field radio set	897-1
148928	2-26	Phila	Battle radio installati on; all material will be completed in 30 days; 30 days to install. W	
149777	3/4 3/13	Phila C&R	Battle radio installation; fwds print of radio room and auxiliary radio room. W Fwd C&R--Proposed location satis. 3/19	
158880	6-24	Phila	Battle radio; asks if Mark V wave changing switch and remote control antennae switch will be installed. W To--Have reqtd shipment of switch from NY for installation on. 7/2 To S&A-- Reqt for shipment. 7/2 To Phila no auth 12-14	
161364	7-21 7-23	Phila C&R	Asks whether omission of side antennae is intended. W To Phila--(T) Side antenna will be installed. 7/23 Fwd C&R--Instructions issued. 7/24 Phila (R) Reqt further instructions 7/26 To Phila--Install side antenna. 7/27	
162682	8/4	CO	Change in location of radio motor generator; fwds print. W Fwd Phila--For est and rec. 8/9 RB 8/12 Phila fwds print 8-13 T - Phila 8-16	
To CO via Phila--relocation disappd 8/17			To Phila (T)--will be installed as orig planned 8/16	

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KANSAS: RADIO. 255 -- 6

Number.	Date.	From or To—	Subject.	
162683	8/4	CO	Auxiliary radio antennae; fwds b/p.W To--Side antennae will be reatined.8/9	
163153	8-11	To Phila. & S&A	KANSAS & BKL. shipment of wave changers - submit estimates	
164015	8-19	Phila	Estimate for installing Mark V wave changers on account and BROOKLYN. W To Phila. appvd. 8-23 To--Appvs. 8/31	
164930	8-25 9-1	CO Philq	Estimate for To Via Phila--Will reqt shipment of audion ultraudion when available. 9/3	
165659	9-4 9-9	Phila S&A	& BROOKLYN; wave changers; enters genl ~~objection~~ complaint as to delay in securing material for which NY Yd is distributing point.W Fwd NY--For comment and rec.9/14 RB 11/2 To Phila--Instructions.11/4	
166095	9-16	CO	Reqt audion, amplifier, and 1/4 kw portable set.W To--Will supply when available.9/18	
172614	11/29	KANSAS	Reports transfer of audibility meter to ARKANSAS	121-6
172795	11/29	Phila	Reports installing new type antennae with light weight metal spreaders on KANSAS; reqt fleet submit report on merits of metal and wooden spreaders; fwds plan	875

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[OVER.]

KANSAS: RADIO.

1914

Number.	Date.	From or To—	Subject.	
117069	2/7	To Phila via C&R.	Battle radio installation; desired to proceed with during overhaul period; requests plans and estimates.W rb 84 To Phila via C&R.reqst plans and est.as soon as practicable.3/31. To Phila.fwds copy corres.4/9.	
118944	3/3	To Various	Reqt shipment of set from NY to Phila.	342-6
	3/18	To NY R	Asks when will be ready for shipment.W	
120317	3-19	NY R	Ready for shipment Mch 25. W To NY.Ship 5-kw set and tune shifter for NEBRASKA to Boston; tune shifter for VIRGINIA to Boston. Will assign 5-kw set to KANSAS originally assigned to MINNEAPOLIS. 3/19 To Bost.via C&R. request estimates on NEBRASKA. 3/20 RB 3 31 (R)to---expedite shipment to Bost.tune shifters for NEBRASKA andVIRGINIA.3/30. To Bost.C&R.S&A. 5-kw set auth.for NEBRASKA. Reqst shipment of apparatus Bost.to NY.3/31 (R)to Bost.expedite est.3/30.	
	To Bost.asks if receiver removed from NEBRASKA has been shipped.5/8 FB 3 18			
120264	3/20	To Phila.	5-kw set originally assigned MINNEAPOLIS should be assigned KANSAS.	289-6
120815	3/21	NY	Tune shifters; change in design; may delay shipment to RHODE ISLAND and KANSAS ;reqt instructions	905
122372	4/13	Phila R	BALCH; Garwood receiving set unsatis; reqt authority to install receiver from KANSAS and switch from DOWNES	520-6
122389	4/14	To CO via Phila & S&A.	Radio material to be removed; request shipment from Phila to NY of receiver.W	
123387	4-25	TO NY T	& RHODE ISLAND; wave changers should be shipped to reach destination May 12. W FB 4 13	

N.S.E. Form 134.

KANSAS: RADIO 255-6

Number.	Date.	From or To—		Subject.	
123388	4-25	TO Phila		Reqt status of installation battle radio set.W	
123650	4-27	Phila		Impossible to make battle radio installation before May 23; 5 kw set will be installed before vessel leaves.W To Phila--appd 4/29 Fwd C&R 4/29	52
123652	4-27	Phila	580-357	Recommends issue of 2 receivers for 5 kw set now in store.W	
125264	4/30 5/19	CO Phila.		Requests be furnished with one spare relay control key.W To CO via Phila.should be requested by recn.5/20.	
128222	6/24	Phila		MINNEAPOLIS; set originally assigned transferred to KANSAS; asks date of delivery of new set	289-6
131464	5-4 8-3	Phila C&R	580-357 27582-E.26	Battle radio installation; fwds comments, estimates and prints.W To Phila.comments.8/5 Ret C&R.comments.	8/5
131996	8-11	At Flt		Reqt spare radio spark gap. W. At Flt have located spark gap 8-12. (R)to---request instrns re destination of shipment requested.8/11.	
132419	8-12	Phila		Radio; arrgt of room; plan.W	
136957	10/13	Phila		Battle radio; lists material required	169-6

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[OVER.]

KANSAS Wireless plant

Number.	Date.	From or To—	Subject.	
57896	1/3	Norf	AERIALS, spreaders, fwds prints of those mfr for	875
55779	12/11	To NY & S&A	& TENNESSEE: reqt shipment to Ports and Norf. rept. of 2 kw variometer type set for, also shipment of W.Spec. receiver to Ports.	431--6
58323	1/11	Norf W	New set delivered vessel to be installed by ships force. W TO KANSAS.Reqst report of operation after installation.1/13.	
62009	2-24	Key West T	Quotes wireless from fleet; will send prelim. report on AJAX. W	
62500	2-20	C.O.	Reports on operation Telefunken W.T. recently installed.W	
64693	3/27	To Telefunken W.T.Co.	Renewal for primary variometer coils for radio set; reqn.submitted to cover.W	
64940	3/29	Telefunken Co.	Primary veriometer coils for 2-K.W.set; states price quoted Nov.6th covers both revolving and stationary coil.W To---Desires both repaired.3/3.	

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KANSAS. 255--6

Number.	Date.	From or To—	Subject.	
66540	4/12	Kansas	PORTABLE, pocket receiver, reports on use during target practice, Wireless Sp.Co's	897
67471	5/11	To Dept via Ord.	& SOUTH CAROLINA: comments re location of radio room.	407-8
			1913	
87607	12-31	CO	Description.W.	
94952	4-14	Co	2-k3 Telefurken motor generator;reqt.b/p. W To CO--Fwds. drawings as reqt.4/19	
97412	5-14	Norf 3149-580	Asks disposition of radio set turned in for repairs. W. To--directs job order be issued to cover repairs to:5/16.	
106799	9/26	At.Flt.	Audibility boxes for use receiving work, Reqt be supplied to:	898
			1914	
116237	1/28	Phila	MAINE; estimate for installing 2 Kw set ex-KANSAS.	274--6
117061	2/7	To NY	Battle radio installations; directs forward to Phila yard type plans.W	

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[OVER.]

KANSAS: WIRELESS PLANT:

FILE No.		From or To— (Dated)	Subject.	
32772	1/4	C.O.	Reqt. installation be made behind armour and replace glass condenser. W. To Atl. Fleetreqs. recomd. re location 3/3 (ref Dept as enclosure with 34491) R.B 4-17 To -- Apprd 4/20. Fwd C&R Reqst another location for wireless room be red by C.O. 4/20. R.B. with recommendations, 5/22 Fwd Dept. Comments. No change in location rec. 5/2 R.B 5-26 a'ppd	See below.
34491	3/17	C.O.	Recommendations re location of W.T.Room. W. Fwd Dept.Recommendations4/15 R.B4-17 app'd	
38033	5/5	TO C.O.	LOUISIANA & NEW HAMPSHIRE: Inspection and adjustment of W.apparatus by Subinspr.Clark; directs necessar y assistance be given.	898
38617	5/12	TO C.O.	Directs perikon detector be retained; and submit reqn. for new; reqt. information re condenserW. Fwd Washn Pay Officer. to note.6/30.	
32772		See above	To Norf. No change to be made in location of wireless sta.at present.5/27. Fwd C&R 5/27.	
42617	7/1	To KANSAS & SOUTH CAROLINA	REC. & SENDING SETS: Directs transfer of Wireless Spec.Co. receiver from SOUTH CAROLINA, to.	898
48723	9/18	To C.O.	Telefunken receiver will be shipped from N.Y.	629 -
51845	10/13	Norf	REC.& SEND.SETS: reqt information re disposition of set turned in by.	898
533077	11/11	To S&A.	Contract 14747 (Telefunken Co.); Reqst shipment of one 2-kw set, NY to Norf.,for installation and test, as soon as one complete set has been delivered.W (W)to Norf.Asks if new set was received and installed.1/11.	

255--7

KANSAS: SIGNALS: UNDERWATER.

Number.	Date.	From or To—	Subject.	
42614;	6/19	At.Flt	Signals: Fwds reports on, from LOUISIANA, NEW HAMPSHIRE and SOUTH CAROLINA.	711--3
			1912	
			1913	
			1916	
189932	6-2	CO	Request repairs to submarine signal set. L	
			1917	
216767	3-2	~~Phila~~ Sub Sig Co	Report of inspection; fwds bill. L Fwd CO--4/3 RB 4-11 To Wash--Rec payment.4/14	
37454	3/17	Sub Sig Co	USS GEORGIA & KANSAS Fwds inspection report of SUB Signal Apparr atu L	629

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Number.	Date.	From or To—	Subject.	

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[OVER.]

KANSAS MACHINE PLANT 1921

Number.	Date.	From or To—	Subject.	
601083	12/19	Atl.Control Force Copy	Vessel placed out of commission Y	

Number.	Date.	From or To—	Subject.	

255-8

KANSAS: MACHINE PLANT:

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Number.	Date.	From or To—	Subject.
536017	11;8 12;20	Atl Btlship Fiv 4 Dept	Submits report of voyage of vessel from Balboa to Tutuila.A
538246	1;4	Dept	Copy of telegram to Atlantic and Pacific Fleets directing KANSAS proceed to Key West.A
542149	1;22	Dept	Copy of telegram to Atl Flt directing vessel participate in South Florida Fair and Gasparilla Carnival at Tampa.A Dept-copy of action to Atl Flt-1;24-A
546347	2;12	Phila	Submits report of estimates incident to material insph.Y Fwd Dept 2/19 BE 3-3 To Phila Gives action cc CO 3/7
547431	2;2 2;18	CO C&R	Submits report on material readiness.Y Fwd Operns 2/21/21
548943	2;28	Dept copy	Copy of telegram to Atl Flt directing vessel proceed to Phila.A
508152	6;2 7;27	CO Dept	Report on inspection upon being relieved of command.Y Fwd Operns-8-2

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255-8 : KANSAS: MACH PLANT:

Number.	Date.	From or To—	Subject.
560444	4;1 4;27	CO C&R	Report on matl readiness.Y Fwd Operns via Ordn 4/29
~~588~~ 581446	8;17	Dept	~~KANSAS will be directed to report as relief of GRANITE STATE until ILLINOIS is ready.Y~~
583549	8;31	Operns	Assignment to 3rd Dis for use of NY naval militia.Y
585048	9;12	Operns	Crew needed-recommends be sent to KK ?? pending delivery to naval militia.Y
585536	9;14	Operns	Proceed Phila to be placed out of commissioN.Y
586136	9;16	Operns	Reqt be placed out of commission.Y
600679	12/16	Phila. Copy c	~~Vessel placed out of commission. Y~~

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[OVER.]

KANSAS: MACH PLANT: GENERAL:

Number.	Date.	From or To—		Subject.
517671	9;16	CO		KANSAS AND NEW HAMPSHIRE ready for matl inspection September 21st.Y
517892	9;17	Phila	copy	Vessel docked.A
518415	9;21	Operns		Vessel assigned Flagship Btlship Div 4.A
518566	9;22	Phila	copy	KANSAS & CONNECTICUT undocked.A
519259	9;18 9;25	CO Dept		Submits report of inspection upon being relieved of command.Y Fwd Operns 9-29
519224	9;25	CO	copy	Capt F.H.Brumby assumed command.A
519453	9;27	CO	copy	Rear Admiral C.F.Hughes assumed command of battleship 4.A
534119	12;10	Dept	copy of telegram to Pac Flt authorizing vessel remain at	Honolulu until Dec 6th.A
536001	12;16	Boston		Propeller report.Y

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

Number.	Date.	From or To—	Subject.	
433510	7/16	Dept	Copy of telegram to Philadelphia stating NEW HAMPSHIRE AND KANSAS will be available August 1 for repairs. A.	312-8
437328	—	Bd I&S	Submits report of material inspection held 7/10.	
443433	8/14 8/26	CO Dept	Comments on report of material inspection-8/14 Fwd Operations. 9-10 --RB--10;1 Dept-copy-report of mat' insp'n he'd July 14 x To Comdt Phila- Connecting up of instruments can be made during present overhaul of vessle. copy to CO-C&R-Ord.10-3 Oth-Bu's action approved-9;-5 Fwd Ord. 10-3	
443960	9;5	C&R	Copy of letter to Phila giving action on report of Board of Survey and Estimate.Y	
444029	9;5	Phila	Submits report of Board of Survey & Estimates.Y Fwd Operations. 9-15 R B 9/20 To- Repairs appvd. copy to CO. 9-22 OVER Phila-10;21 Phila - reqst action - 11/8	
OVER	To Phila-satis 11/11	OVER		
	Phila 11;14			
	Fwd S.O. Phila via S&A. 11-19 RB-12;17			
444048	9;5	Phila	Submits report of Bd of Survey & Estimates.Y Fwd Operations. 9-15 R B 9/20 To- Bu recommendations appvd. copy to CO.9-22 Phila-asks if shall reopen job order and complete work on converting 36 inch low power searchlights to high power Sperry type-9;27 cross to 5	
445161	9/5	Phila	Report of Bd of Estimates have all been fwd - Y Fwd Operations. via Ordnance. 9-13	

N.S.E. Form 134.

255 - 8 KANSAS: MACHY PLANT: 1919

Number.	Date.	From or To—	Subject.
444048	10-6	SEE OVER	Fwd Operations. L R B 10-11 Phila—10:22 To Comdt Phila- General Order 483 not to apply to KANSAS in the case of the conversion of searchlights. copy to CO. 10-22 To Phila- Conversion of 4-36" low intensity lights to high intensity authorized/ 10-25
444029	11-25	SEE OVER	To Comdt Phila- Reqts detail information re 12" motor driven lathe. R Phila 11-26
509494	6;30 8;3	CO C&R	Report on matl readiness.Y Fwd Operns 8-5
515586	9;4	Div 4 Atl Flt copy	C-in-C Div 4 shifted flag to PANTHER.Y cross to Atl Flt 443
517077	9;14	Dept	Vessel available for docking and repairs at Phila.R
517221	9;14	Dept	Notice of material inspection.Y To Bd I&S Reqst return of papers 9-17 Bd I&S-11;25-Y
517391	9;1	CO	Report of new CO.Y Fwd Operns 9-17

Number.	Date.	From or To—	Subject.	
324991	7-3 7-4	CO Atl Cruiser	Copy of reports on readiness for service.	Y
336470	7/15	Atl Flt	Quarterly battle insp - fwds report - Y Fwd Dept, 8-19	
325353	7/10	C&R	Copy of instrns to Phila relative to undertaking work on bulk head plates-Y	
343233	8-29	Dept	Fwds a 50 page request for repairs and alterations - Y To C&R, Recommends approval of repairs, 9-12 To Phila, re repairs and alterations, 9-12 To Phila (T) report authorized, 9-11 CO 9-16 request reconsideration - Y	
	Fwd Dept, 9-23 R B 9/26 Fwd CO, 9-28 Phone CO, disapproves alterations 10-1 To CO 9;28 R B 3 To Norf T- instal slip in steam line to sterring eng --room KAN autho not to del departure esl 1-10			
343315			Repairs and alterations (confidential files)	
362402	10/15 10/25	Atl. Fleet C&R	Submits report of material Kansas Fwd Dept, Via Ord, 10-29	
394316	1/1 2/11	CO Ordn	Submits report of material readiness of ship for war - Y Fwd Operations. 2-14	

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N.S.E. Form 134.

KANSAS: MACHY PLANT

Number.	Date.	From or To—	Subject.
411217	4;17	Dept	Trial docking and repairs - advanced to May 15 Y
411886	4-18 4;23	To I.M. Norf Norf	Outstanding job orders. Inform if can be closed out in time of docking. Yo copy to CO - Phila and Comdt Bat Force 1. Yo
412987	4/1 4/18	CO Dept	Material readiness for active war service - A Fwd Operations via Ordnance. 4-26
416468	4-23	CO	Rqst copy of blueprint index - D To- Fwds index book for machy plans. 5-12
427234	6;20	Dept	Instructions in connection with holding matl inspection Y To Bd S&E- Fwds correspondence. 7-3 Bd I&S 8-15 Returns corres.
429409	7-1	To CO	Release from Troop Transport Duty. Removal of Special Material under Cognizance of Steam Engineering. All such material with exception of extra lights to be turned into store. Yo CO 7-11

4—3381

[OVER.]

KANSAS: MACHY PLANT.

1916

Number.	Date.	From or To—	Subject.	
207947	12-8	Operations	Available for auth repairs Phila.Y	
209444	12/20	Dept	Repair limit July 14th.Y	
213294	2/1	Dept	May 16th, date of completion.Y	
215127	2-14 2-17	Phila Operations	States repair date May 31; directs Bureau use efforts to expedite and assist yard.Y Fwd Dept via C&R 2/23	
213888	2/19	Phila	Submits report; will use CONNECTICUT's coupling; lists other work that will have effect on date of completion	255-14
216680	3-3	Phila	Status of work; delay in securing material for evaporators, fire control system, gen sets; controlling feature for advancing date of completion depends upon boiler work and securing of additional boiler makers.Y	
219688	3-28	Phila	Machy plans; request. D	

1917

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N.S.E. Form 134.

KANSAS: MACHY PLANT.

Number.	Date.	From or To—	Subject.	
228387	5/14	Dept	May 31st date of completion Y	
230245	5/25	To Norf	Directs transfer job order #3P1 to Phila. Y Norf - 5/28 Y	
272068	1/7	Dept	Will not proceed to Philadelphia until further orders.Y	
298704	4/4	CO	eports on material readiness for service - Y	
298727	4-30	Fwd Dept(Operations)- at Philadelphia-	Reqt for work,docking schedule,battleships Y	
316082	6-11	Norf	Request drawing of boiler details. D — 10	

NB—0120

[OVER.]

KANSAS: MACHY PLANT.

1915

Number.	Date.	From or To—	Subject.	
157664	6-12	Dept	Withdraws from active duty	774
158257	5-17	Dept	Sept 23 repair limit; all work after Aug 31 to be handling to allow departure on 4 days notice. Y	
161408	7-22	CO	Reqt machy drawigs.D	
174652	12/20 12/23	Phila C&R	& HANCOCK; overhaul period; liability account; reqt data on.Y Fwd Dept--Recommendations.12/27	
177783	1-29 2-1	Bd I&S Dept	Hull reportY Fwd C&R--Noted. 2/2	
			1916	
178551	2-27 1-29	Phila Dept	Material inspection; comparison of estimated and actual cost.Y Fwd Dept--Noted. 2/10	
178637	2-9	Forbes, W.D.	& WASHINGTON; Forbes steering gear; reqt report on. D Fwd C&R-- 2/11 To--Have fwd to C&R. 2/11	
184943	4-13	CO	Lists work to be done by ship's force.Y	
188251	5-13	Phila	Reports on status of work.Y Fwd Dept Via C&R-Ord-Tar Prac--Noted.5/19	

N.S.E. Form 134.

~~KANSAS: MACHY PLANT. 255-8~~

Number.	Date.	From or To—	Subject.	
192351	6-19	Phila	Incidental work in connection with crew's laundry;estimate and plan. Y To--Appvs. 7/8	
194519	7/21	Atl Flt	Reports on condition of machinery	493
197998	8-25	CO	List of work to be done by ships force. Y	
199707	9-16	Dept	Material inspection; orders at Phila. Y To Bd I&S--Fwds with repair papers. 9/25 Bd I&S returns papers 10/19	
200569	8-24 9-27	CO Phila	Repairs to boilers, piping, forced draft blowers, main engines, pumps, ice machines, etc. Y To--Work authorized. 9/30	
201997	10-6	Bd I&S	Material inspection.Y Bd I&S additional items of work 10/14 Fwd Dept--Rec disappvl repairs to elec controls for searchlights on. 10/27RB 10/31 Fwd Dept via Ord--Noted. 10/31	
204678	11/1	Dept	Fwds corres showing status of work on: all necessary repairs to be completed before leaving for West Indes Nov 20; Dec 1	774
205225	11-10	Phila	Report of board survey and estimates.Y To Navgn--Lists item of work under Navgn.11/23 To Ord--Ditto. 11/23 Fwd Dept--With recommendations. 11/23RB 12-14	

Navgn relocate gen units 12/1
Fwd Dept--12/2 RB 12-14
To--Fwds corres giving action.12/15

NB—0120

[OVER.]

KANSAS: MACHY PLANT. 1914

Number.	Date.	From or To—	Subject.	
122151	3-18	CO	List of work to be done by ship's force at Yard, includes retubing both main condensers.Y	
122634	4/16	Dept.	Work to be proceeded with.	377-8
122867	4-18	Phila. 580-467	Approx.estimate for material and assistance for ships force in making repairs.Y To--appd 4/21	
123303	4/24	Dept.	May 23 date set for competion of work.Y	
123837	5/1	Dept	Reqt estimated difference in cost of repairs remaining if shift and over time work isdiscontinued	377-8
124800	5/13	Dept	June 20th date of completion	377-8
141219	12-4	Dept	Will arriva Phila 12-2:asks if target practice will interfere with ~~building~~ completing of vessel by Jan 10. Y To--Comments. 12/7 Fwd Dept Via C&R & Ord-- Noted. 12/10 To Phila--Instructions· 12/11	
141697	12-6	CO	List of work to be dones by ships force.Y	
141674	12-8	CO	ditto	

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N.S.E. Form 134.

KANSAS: MACHY PLANT. 255-8

1915

Number.	Date.	From or To—	Subject.	
144710	1-16	Dept	Ordered to Phila for repair to damages done by gale. Y	
144873	1-18	Phila.	Lists damage done by storm. Y Fwd Dept-- Rec appvl. 1/19 RB1	
145024	1-19 1-20	Phila R Dept	Impossible to work shifts; can complete 17 working days.Y	
145073	1-19 1-20	Phila 580-22 Dept	Reports on progress of work on repairing damage done by storm; shift work impossible; recommends overtime. Y Fwd Dept-- Notes. 1/21	
145074	1-20	Dept	Repair limit Feb 9. Y	
152081	4-10	Bd I&S	Material inspection; reqt repair papers.Y To- Fwds. 4/13 Bd I&S returns papers 5-28	
155340	5/17	Bd I&S	Material inspection.Y Fwd Dept-- Red. 5/28 RB,6-2 To Ord--Reqt comment and rec on. 5/21 To Phila--Gives action.6/2 Ord recommends against fire control alter5-24	
155527	5/20	Dept	Material inspection held May 10th; directs thatthe Bureaus assemble material to begin work promptly July 1st.Y	
156148	5-27	Dept.	Overhaul commences June 1 in lieu July 1	774
156659	6-1	CO	List of repairs to be made by ships force during overhaul.Y	
157338	6-10	Dept	All auth work must be completed by Aug 31. Directs telegraphic instructions.Y Fwd Dept--Comments on. 6/12 To Phila--Asks what work can be posponed.6/12	

NB—0120

[OVER.]

KANSAS: MACHY PLANT.

1912

Number.	Date.	From or To—		Subject.
81311	10-26	Bd.I&S	1983	Inspection report; fwds. Y
81761	9-26 10-30	CO Phila	58-140	Repair piping, valves,etc. Y
81821	11-5	Phila		& OHIO; MISSOURI: order in which survey will be submitted.Y
82533	11-8	Phila	580-469	Survey; fwds report of Board estimates.Y Fwd Dept. rec appr.certain items.11/26. RB1180 a'ppd Fwd Dept.with rec.11/27. RB1180 a'ppd To---appd·11/30. To---instructions.12/3·
85535	12-17	Phila	580-467	Report of board survey and estimates:elec. Y Fwd Dept.Rec.appr certain itmes.12/21. RB 19-24 To---instructions.12/26

1913

103318	8/8	Dept		Directs inspn
105883	9-17	Bd.I&S	1495	Reqt. repair papers.Y To-- none 9/18
107387	10-7	Bd.I&S		Inspection report; fwds. Y

N.S.E. Form 134.

1913
1912

KANSAS: MACHY PLANT: 255-8

Number.	Date.	From or To—	Subject.	
107605	9-16 10-9	CO Phila 580-160	Rewood stern tube bearings; reseat stop valves on main steam line.Y	
110529	11-10	Phila 580-469-6	Report of bd survey and estimates, elec and machy. Y To Dept.with rec.11/25. To---instructions.12/27. RB 12 24	
110681	11/18	Dept	& RHODE ISLAND: directs that submitting of reports of board survey and estimate be expedited.	377--8
		1914		
117663	1-20 2-12	CO Phila 580-140	Repairs to crank shafts, line shafting, main engines, piping, valves, pumps, boilers, dynamo condenser, refrig plant. Y Fwd At.Tll.for comment.2/17. RB 3 12 Fwd.Dept.rec.3-12 RB 3/16 appd. Fwd Phila.3/16. RB 4 4	
118673	2-14	Dept	Military inspection:report.Y Ret---via Ord and S&A.2/19. Ret---with rec.2/19.	
118270	2-1 2-21	CO Dept	Work to be expedited.Phila complains of non receipt of approval SE repairs.Y Fwd Phila.asks if 110529-255-8 of Dec. 27th was received.2/25 RB 2 27 Fwd Dept.2/28	
121402	3/31	Dept.	& DELAWARE: copy of radio to fleet directing director firing be completed before sending to yard for overhaul	182-8

NB—0120

[OVER.]

KANSAS: MACHINERY PLANT: GENERAL:

Number.	Date.	From or To—		Subject.
48150	5/25	Dept	23241-15	Report of inspection held Mch.1st.Y Ref. C&R 9/14
50408	9/29 10/6	Norf C&R	5139-7773 21482-E.694	Work in connection with C&R. Y Ret C&R Noted.10/9.
51634	10/21	Dept		Overhaul period extended to Jan.1st. Y
54475	11/4 11/22	C.O. Norf.	6382-9256	Renew copper piping and make new worms and wheels for revolution counter.Y To Norf-Appd.11/27.
55099	11/4 11/22	C.O. Norf.	6359-9324	Install electric lights in evaporator room trunk; fit gage glass fittings on evaporators; install relief valve on discharge on evaporator feed pump; supply and install an additional distiller.Y&D Fwd Dept-With rec.12/5, RB 12-7 To C&R-Work under eliminated.12/7. To Norf-Item 3 appd.12/7.
56358	12/7 12/14	C.O. Norf.	6892-10461	Stiffen keys in coils of evaporators, and manufacture coupling for main feed pump plunger.Y
				1912
62533	222 2-23 3-1	CO Norf Dept	1175-1745	Reports on unsatisfactory work done at Norf; distance control searchlights, recolution counter, bells and buzzers for torp. defence salvo sircuits. Y Ret Dept.3/5.

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N.S.E. Form 134.

KANSAS: 255--8

Number.	Date.	From or To—		Subject.	
63102	3/7	Dept		& S.CAROLINA: fwds copy of order directing inspn	407--8
66901	4-10	Dept	23241-27	Report of inspection 2-19. Fwds.Y Fwd S&A.4/24.	
67471	4/17	Dept		& S.CAROLINA: report of inspn while stripped for action.	407--8
75587	7/3	CO		Reports on readiness for battle; forced draft blowers defective. No spare supply of baffle brick for boilers.Y Ref. Dept. via C&R,Ord & S&A. 8/17	
78284	9-16	Bd.I&S		Reqt.repair papers. Y 10-- fwds. 10-16 Returns 10-31	
79492	10-5	Dept		Transfer job orders from Norf. to Phila; repair period June 1st. to Mch.31st.Y TO Norf VIA S&A all spares to be shipped to Phila. 10-7	
79634	10/7	Dept.		& MICHIGAN: changes home yards N.Y. to Norf. Norf. to Phila.	286--8
79883	9-26 10-7	CO Norf	3122	Reseat valves, and repair or renew copper piping.Y	
80548	10-16	Norf	3120-580	List of patterns shipped to Phila. Y	

NB—0120

[OVER.]

KANSAS: MACHINERY PLANT:

FILE No.		From or To— (Dated)		Subject.	
32774	1/12	C.O.		Install new evaporator shell & coils, section pipe for distillers, main engines, time firing device, etc. Y Fwd Norf. Instrns issued.- Fwd Dept.Recommendations. 3/7. R.B. Items 7 & 9 disapprd 3/8. To Norf. Disapprd 3/9. Fwd At.Flt.for information 4/4. RB 4-29 RB 7-27-from Norf.	
35235	4/6	Dept		LOUISIANA: R.B. approving mfg of evaporator shells.	35235-268-8
35800	1/6 3/23 4/8	C.O. Norf C&R	 1738-2320 21482-E.644	Submits list of repairs; mostly C&R. Engineering estimates in other correspondence. Y Fwd Dept.4/15. RB 4-21 To C.O.Quotes Bu's and Dept's endorsements.Recst further report and rec.4/21. Fwd Norf. 4/22. R.B.with recommendations. 5/6	See below.
36184	4/12	Norf	2147	Elec. work in connection with fitting main top as secondary battery control station, fitting sailing launch with aux. motors.Y Fwd Dept.Not rec 4/15. RB 4-17 disappd	
36569	4/19	Dept	&	NEW HAMPSHIRE: date of completion of repairs at Norf. extended until evening of May 6th.	312--8
36965	4/6 4/22	C.O. Norf	 2371-3186	Dress surface of main cross head slipper, and rebraze nipples of aux. steam lines. Y	
35800		See above		Fwd Dept via C&R.Rec direct reading revo. transmitters and receivers and steering eng.room telegraphs be installed. 6/10. RB 6-30 Fwd. C&R. 7/1. To Norf.Instrns issued.7/1.	
46319	8/3	C.O.		Alterations; reqt. double effect evaporators, heaverier flanges on slip joints, install fire timing device. D&L	

NB—0120

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KANSAS: MAIN ENGINES.

Number.	Date.	From or To—	Subject.	
3-18	12/19	To Norf	Evaporator feed heater. Reqn for tubes for. Reqt blueprint of. DR	
			1918	
> 294984	3/27	CO	Reports onpower developed by main engines - Y	
> 295268	3-27	CO	Reports on power developed by main engines - Y	
Wash 579	9/17	Inspr Phila	Two couplings ordered for KANSAS suitable for other ships of class Y	629
√411848	4/14	CO	Repairs to engine receiver pipe - Y To Comdt Phila- To be made available May 15th. 4-19 copy to CO and Bat Force one.	
511112	8/11	C&R p	40' motor sailing launch 3152, turned in at Pug Sd to CO KANSAS: launch 8592 delivered to vessel. Y	611-9
557964	4/14	CO KANSAS	40' Motor Sailor 6718 recd. to replace Barge 3446-Y	611-9

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N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

255--9

KANSAS: MAIN ENGINES: ETC.

Number.	Date.	From or To—		Subject.
39587	5/23	Norf	3025-3465	Make piston rings for circulating pump; re-babbitt brasses of main engine. Y
51263	10/10 10/14	C.O. Norf	5594-8364	Rebabbitt cylinder eccentric, port main eng. Y
51866	10/23	Norf	5685	Piston rods; crossheads, etc. Reqt. b/p. D To---Van Dykes fwd. 10/28.
54845	11/20 11/28	C.O. Norf.	6514-9923	Repairs to main starboard engine. Y
54933	11/21 1128	C.O. Norf.	6531-9852	Renew h.p. valve rings, main engines. Y
55514	12/6	Norf.	6706	Requests prints of I.P. and L.P. piston valves. D To--Fwds. 12/19.
				1912
74123	7/22	NYS Co.		NEW HAMPSHIRE & WASHINGTON: Inertia cylinder diagrams; fwds prints. (Personal letter to Capt. Dyson.) To COs (3) Fwds prints. 7/24.
81549	10-22 10-29	CO Phila	580-160-6	Make piston ring for h.p. cylinder. Y
				1913

NB—0120

N.S.E. Form 134.

KANSAS: MAIN ~~CONDENSERS~~ engines: 255-9

1913

Number.	Date.	From or To—		Subject.	
87597	1-14	CO	p	Rect. authority to turn in experimental balancing piston ring.D. To---appd.1/16.	
93028	3-7 3-9	CO Phila		Rebabbitt eccentric straps main engine.Y	
93029	3-13 3-18	CO Phila		Ditto	
			1914		
115399	1-12 1-19	Phila C&R	27582-E.24	Bed plates and engine foundations; main engine; rect plans.D. Ret C&R.print has been sent to Phila.1/21.	
117663	1/20	C.O.		Repairs dynamo condenser, crank shafts,etc. 255--8	
118648	2-20 2-26	Phila C&R	27582-E.24	Engine bearing supports; fwds plan of original bracket; satis.D To NYS.request procure print from NYS Co. 2/28 Fwd C&R.satisfactory 2/28.	
119045	3-2	NYS	725-167	Engine foundations; fwds print showing bracket.D	
			1915		
152051	7/16 7/21	CO Phila		Main engines; additional work.Y Fwd Dept--Rec be done by Yd. 7/30 RB 8/2 To Phila--(R) Auth work at Yd. 8/2	

NB—0120

[OVER.]

KANSAS: MAIN BOILERS 1918

Number.	Date.	From or To—	Subject.	
355831	10/4	Phila.	Boiler cross boxes Confirms telephone conversation	Y
356444	10;4	Phila	Cross boxes and boilers repairs;confirm telephone Y	
403251	3;16	Sims	Copy 7261 req. modification to allow fire room doors be opened for necessary ventilation when off sounding D CO-fwds print showing furnaces dimensions.	7;14
517119	9-15	Phone to Phila	Tubes auth renewal of CC CO Y	
519585	9;25	Phila	Request vandykes of distiller.D To EO Phila Fwds Vandyke- Distiller	10-4

N.S.E. Form 134.

255-10: KANSAS: MAIN BOILERS:

Number.	Date.	From or To—	Subject.	
538506	12;15 12;20	CO Btlship Div 4	Submits report of inspection of evaporators.Y Fwd Operns cc Div 4- CO 1/7/21 DE 1/19/21	
540721	1;15	Dept	Copy of telegram to Atl Fleet directing make thorough investigation of evaporator installed on.Y	
545632	1;29 2;9	CO Dept	Submits report on trial test of evaporator.Y Fwd Operns 2/11/21 To Phila Evaporators repair of 2/11/21cc Operns C&R To CO (T) Gives instrns 2/11/21 To Phila Gives instnrs cc CO 2/26	
553611	3;22 3;24	CO Phila	Lists parts for B&W boilers turned in at Phila.Y	
569285	6/15	To CO	Boiler Headers; Ask why material was asked for with details as to any casualty which may have made it neccy cc C&R CO Phila R CO 6;30-Y To Phila Gives instrns 7/16 Phila-submits estimates-9;23-Y To Phila Repairs authd 9/28	

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[OVER.]

KANSAS: MAIN BOILERS. 1917

Number.	Date.	From or To—	Subject.
210122	12-29	Phila	Boiler tubes; gives number of 4" tubes issued since SE order October; no 2" issued; for other purposes.Y
231659	5/31	CO	Request key sheet for B&W boilers Y To--Fwds/6/5
266493	12/8	Phila	Evaporator feed heater - fwds prints -
273521	1/10	CO	Evaporator feed water heater - fwds request for tubes, together with prints - D To- Fwds prints as reqted. 1-18
275993	1-25 To Norf- 2-6	To Phila & CO	Tubes for evaporator feed water heater. Fwds print. 1-25 Y Phone NY & Phila-Yard directed to bend and tin tubes and ship to KANSAS. 1-31 Phila - fwds prints 2/1 - D Phone Phila-Bu informed yard that evaporator feed waters on board were in accordance with Bu drawing No? 27-B-0402 and reqted that preparation of tubes be made in accordance with this drawing. 2-2/& CO Norf - D - 2-13

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255 - 10 KANSAS: MAIN BOILERS:

Number.	Date.	From or To—	Subject.	
303754	5-6	To Phila	Reserve Feed water heater - Auth incidental work in connecti n inf fitting double bottom compartments for carrying reserve feed water. Y	
313047	6-4	To S&A	Rqst shipmt from Phila to C O Upright, Y To CO, Rqst inform re receipt of shipmt 8-26 CO - material recd 9/4 - - 9/4 -Y	
313048	6-4	To S&A	Rqst shipmt of side box from Norf to C O Y Shipment order 6-4 RB 8-5	
313046	6-4	To S&A	Rqst shipmt cross boxes from NY to CO Y Shipment ordered 6-4 RB 8-5	
316082	6/11	Norfolk	Rqst drawing of boiler details.	255-8
342165	8/26	Norf	Side dusting door boilers - request print - D	
355246	10-4	Phone Phila	Re additional cross boxes for boilers Y Phone Phila, re shipmt of cross boxes, 10-5	RB 10;18
355266	10-4	To S&A	Rqst shipmt cross boxes NY to Phila Y	

NB--0120

[OVER.]

L3

KANSAS: MAIN BOILRTD.

Number.	Date.	From or To—	Subject.
142731	12-11 12-19	CO Phila	Estimate for replacing floor plates fire room. Y To Phila--Appvs. 12/23
		1915	
144874	1-16	Phila	Forced draft blower engine; reqt vandyke.
158223	6-15	CO	Suggests changes in surface blow lines.Y To-- Auth to increase size of holes in.6/19
		1916	
183963	3/27 To CO--Asks progress made on renewal of boiler tubes. 8/3	CO	Fwds detailed report on condition of 12 boilers.Y To--Comments on. 4/8 Copies of corres To--Reqt action on. 4/25 CO work will be started 4-27 4-26
184808	4/9	Atl Flt	Reports on inspection of boiler.Y Fwd Dept-- 4/19 RB 4/25
197035	8-15	CO	Boilers; reports on condition of; dangerous; fwds samples; ships force insufficient to retubing necessary. Y CO routing of box containing sample boiler tubes 9/3 To CO not received; request routing 8/31
198252	8-24 8-28 Fwd Dept--10/21	CO Fleet	Report on condition of boiler; recommends retubing be commenced immediately. Y Fwd Dept--9/2 RB 10-21 Dept will be placed in reserve Oct 1st; request information re boiler material 9/7 Fwd Dept-- Will furnish information on receipt of estimates.9/12 Dept condemns Bu for failure to have material for retubing boilers on hand after 4 years notice that boilers will require retubing 9-15 To Dept-- Necessary material for retubing on hand; error made in checking up material.9/20 RB 9/23

N.S.E. Form 134.

KANSAS: MAIN BOILERS. 255-10

Number.	Date.	From or To—	Subject.
200973	9-27	CO	Submits report on boiler repiars.Y
201982	10-11	Phila	Sufficient tubes on hand to retube 4 boilers.Y
	To S&A--Reqt shipt of boiler tubes to Phila. 10/17		To--(T) Ask number diameter and length of. 10/12
	NY lists tubes on hand 1 0/19		Phila (R) number of boiler tubes required 10/14
	Fwd S&A--10/21		To--Reqt shipt of from NY 10/17
Phila Reqn 267 10/11		To Phila	Does not understand necessity for 11 sets of Dewrance Water Guage Fittings for. Reqn held pending reply.R
202324	10/14	Phila	Boiler tubes; request plans.D
205067	10-31	CO	Renew evaporator shells and coils; estimate.Y
	11-9	Phila	To Phila--Work auth. 11/13
206069	11-20	Phila	Evaporating plant; arrgt plan; reqt. D
	To S&A--Shipt reqt for tubes to Phila for. 1/6		
	To Phila--Instrns. 1/6		
207071	12/2	To Phila	Ask if have enough tubes on hand to retube boilers of in accord with rec of Bd I&S. Y
	Phila gives list of tubes available for retubing 12/26		Phila lists tubes available 12/11
	To--Reqt infor as to lengths requd. 12/30		To--Ask if list includes 1758 2" tubes reported by CO as being on board. 12/19
	Phila no. and length of tubes to complete 1/5		
208533	12-6	Phila	Boiler tubes; not sifficuent 2 and 4" tubes in store; request be shipped from reserve stock some other yard.Y
	12-12	Phila	To--Ask if tubes reserved for have been issued to any other vessels. 12/16
	Phila states have all 2" tubes required for retubing boilers 1/20		To--Ask status of tubes on board and at yard. 1/13

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
46319	8/3	C.O.	Alterations: reqt double effect evaporators, etc	255--8
50345	10/4	Norf 5298	Report on repairs to evaporators; additional estimates to complete.Y	
55099	11/4	C.O.	Install elec. lights in evaporator room trunk, fit gage glass fittings on evaporator install relief valve on discharge on evaporator feed pump, supply and install and additional distiller.	255-8
56309	12/7	Norf. VOID 5080-E.21	Magazine stowage; incidental work involved.Y	
56358	12/7	C.O.	Stiffen keys in coils of evaporators, etc	255--8
			1912	
69287	5-16	At.Flt	Boiler inspection; fwds report on. Y To---Asks if bottom blow valve ever actually became clogged.5/23.	
71327	6-12	At.Flt	Fwds report from, on Navy design bottom blow valve.D	
75587	8/3	C.O.	reports on readiness for battle, force draft blowers defective,etc	255--8

N.S.E. Form 134.

KANSAS: MAIN BOILERS, etc/ 255--10

Number.	Date.	From or To—		Subject.	
76513	8/23	Dept.	23241-35	Quotes report in delay in supplying baffle bricks for boilers, and requests report.R To---No record of reqn.for.8/24. Fwd S&A.8/24.	
				1913	
87629	1-4 1-13	CO Phila	580-151-6	Repair ash pans.Y	
87711	1-6 1-14	CO Phila	580-150	Renew ash pans. Y Fwd Dept. rec appr 1/17. RB 1 20 a'ppd To Phila.appd.1/20.	
88298	1-8 1-17	CO Phila	580-150-6	Repair boiler casing and doors. Y	
88877	1-17 1-27	CO Phila	580-151-6	Repairs to ash pans. Y	
89494	1-25 2-4	CO Phila	580-150-6	Repair furnace and ash pan fronts.Y To Phila.appd.2/7.	
90664	2-6 2-14	CO Phila	580 -150	Repair uptake casing.Y	
			1914		
117663	1/20	C.O.		Repairs, boilers,	255--8

NB—0120

[OVER.]

KANSAS: MAIN BOILERS: ETC.

FILE No.	From or To— (Dated)	Subject.	
32391 2/14	Norf	Evaporating plant; installation of feed heaters etc. to operate in double effect as well as single. D To -- Apprd as mod.3/2.	
32774 1/12	C.O.	Install new evaporator shell & coils, pipe for distillers, main engines, etc	255--8
33214 3/4	Norf 1349	Reports action taken on directions for rearrangement of evaporator plant. D To -- Certain pipes should be increased in size 3/9.	
34343 3/21	Norf.	& LOUISIANA: asks if any evaporator suitable for installation are in stock at any yard. If not, recommends evaporators of that size be included in stock.	268--10
34426 3/21	Norf 1720	Reqt. print showing boiler details. D To -- Plans fwd with 34345-255-15. 3/27.	
37724 4/29	Norf 2515	Evaporator; reqt. prints. D To -- Prints fwd.5/5	
44632 6/24	Norf 4099	Fwds prints showing distiller; single & double effect. D To---Appd.8/7. Fwds copy of corres. W	
46320 8/3	C.O.	Reqt. new evaporator shells & coils.Y	

255-11

KANSAS: AUX MACHINERY 1921 6

Number.	Date.	From or To—	Subject.	
569351	6-15	WO CO	Engine number of 35' motor boat 7759 Y	611-12

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N. Eng. 134

Number.	Date.	From or To—	Subject.	

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N.S.E. Form 134.

KANSAS: AUXILLARY MACH.

Number.	Date.	From or To—	Subject.	
386340	1/17	C&R	Norfolk auth to deliver 40' steamer 1403 to KANSAS. Y	611-2
388990	1/27	To KANSAS	Asks correction of log re boiler instal 3893m in 2192 instead of 2193 and ng install launch 2637 in number 2965 instead 2985	611
391669	2-?	C&R	Steaner 1403 rec'd at Norfolk from KANSAS Y	611-/
398822	2/27	C&R Refer to 398322	KANSAS sreamer 1403 turned in at Norf if this vessel was turned in pplace of 1153 retained on Bd Y	611-2
418913	5/16	C&R	Kansas directs Phil issue Launch 8547 Y	611-2
418843	5/16	C&R	Directs plate 40 foot steamer 1403 on Kans to issue at Norf Y.	611-1
420442	5/22	C&R	Phila auth issue 40' motor sailing launch 3512 to KANSAS Y.	611-2
454071	10/27	To KANSAS	Bu records show 35' motor boat hull 4058 and motor sailing launch 3689 has engine 2785, Bu directs exam; Yb	611-2
506843	7;21	C&R	Copy of telegram to Battleship Squadron 2 authorizing vessel turn in motor sailer 3151.Y	
509103	8/2	C&R	Copy of telegram to Mare Island authorizing delivery of 40' motor sailer to KANSAS. Y	611-9

255-11

KANSAS: AUX MACHY 1920

Number.	Date.	From or To—	Subject.	
512321	8/19	To KANSAS	Report if error made in reporting hull 4058 on board 6/30/20. Y	611-12
516841	9/25	To Phila Phone call	Rel 40' motor sailing launches 2637 3077 and 3689- replacement of engines Y To KANSAS- rel engines reqst comments 9/25	611-9
523469	10/15	C&R	40' m.s.l. 2893 will be delivered to KANSAS: Y	611-9
536449	12/20	CO KANSAS Copy	Request one complete motor sailer engine and boiler tubes be shipt to Panama Canalfor. Y	611
536406	12/22	C&R	Copy of letter to CO MINNESOTA and KANSAS in conn with 40' motor barge in 55' motor boat for. Y	611-13
539223	1/8	C&R	Copy of letter to Norf assigning 40' motor sailing launch to CO KANSAS. 1/8 Y	611-9
550126	3/5	CO KANSAS	Report cov exchange in engines in hull 6237. Y	611-9
553175	3/18 3/22	CO KANSAS Phila	Request boiler be furn to replace one installed in steamer 3893 Y	611-1
555039	4/1	Norfolk	Copy lettert to C&R stating 40' motor sailing launch 6718 delivered to KANSAS Y	611-9

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KANSAS: AUX. MACHY.

Number.	Date.	From or To—	Subject.	
228975	5-18	Phila T	KANSAS: reqt engine for launch 3079; launches 533, 3079 and 2637 are to go to vessels.	611-2
229379	5-19	C&R	Copy of telegram to Phila, directing issue of launch 2627 to.	611-2
229656	5-22	Phila T	KANSAS; reqt numbers of engines assigned to sailing launches 2637, 3077 and 3689, also date of delivery.	611-2
230999	5-30	To S&A	KANSAS; Reqt shipt of KK engine No 2965 from Norf to Phila for laucnh 2637.	611-2
231100	5-30	Ohone Phila	HENDERSON & KANSAS. Power boats Engines. Re reassignment of engines for.	611-2
232647	6-7	Phila.	Survey called for on boiler 2031, engine 742, installed in cutter 757, KANSAS	611-1
235707	6-26	Phila	Reports receipt of motor boat 4058 with engine 3380 and shipped to KANSAS	611-2
236908	7-5	USS KANSAS R	Request oil engine be shipped immediately as reqted in letter of June 30th.	611-2
309762	5/20	Co KANSAS	Reports changes in power boat machinery	611-1

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N.S.E. Form 134.

KANSAS: AUX. MACHY.

Number.	Date.	From or To—	Subject.	
237213	7/6	CO	Reports change in power boat machinery Y	
237310	7-7	Phila.	Reports launches 2637,3077 and 3689, witt engines 2965,2960, and 2785 issued to.	611-2
243267	8-10	C&R	Reports issue of steamer 3125 to	611-1
277274	1-29	To KANSAS	Steamer 1153. Re number of engine installed Y	611-1
283445	2-19	USS KANSAS.	Request Bureau expedite delivery of engine. Y	611-1.
301741	4/29	To KANSAS	Records show boiler and engine installed #1155 instead of #1133.	611-1
302741	5/3	To Cdts all districts	Reqts that no engines or boilers for power boats be purchased prior to Bu's Apprl CO KANSAS 5/4	611
322884	6/29	KANSAS	Report on engine test, circulating pump	611-4
370657	11/20	C&R	Cpy letter to CO KANSAS in connection with additional 40' motor sailing launch to replace 40' steamer on board. Y.	611

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[OVER.]

1915

KANSAS: AUX. MACHY.

Number.	Date.	From or To—	Subject.	
163259	8/12	C&R	Motor sailing launches 1156 and 2033 assigned to vessel; reqt be expedited	611-2
164843	8-27	Phila	Boat machy; turned in by; will survey. Y	
164985	9-3	C&R	Str. 1403- expedite repai s	611-1
165849	9-14	C&R	Assigns steamer 606	611-1
167497	10/4	Phila	Reports installing engine 705 steamer 606	611-1
169276	10/25	To CO	Power boat mchy; discrepancy in records	611-1
172806	12/2	Phila	Reports delivery of steamer 1403, with M eng 1271 to; have survey engines turned in by vessel for repairs	611-1
		1916		
182183	3/14	CO	Reports installing boiler 1935, in steamer 1153 in lieu of 2064	611-1
182656	3/23	VIRGINIA	Reports transfer of boiler 1935 to KANSAS	611-1
185327	4/19	CO	Reqt Ward boiler for steamer 864 in lieu of 1935 transferred to KANSAS	611-1
	5-4	To Phila.	Survey #52; have reqtd shipment of boiler 2172 for ~~boiler~~ steamer 1153. Y To S&A--Reqt for shipment. 5/4	
186940	5/6	To CO	Discrepancy in reports of power boats	611-1
187298	5/9	Phila	Boiler 1935 and 2064 received from KANSAS; recommend sale	611-1

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N.S.E. Form 134.

KANSAS: AUXY MACHY 255-11

Number.	Date.	From or To—	Subject.	
189428	5-26	CO	Reports turning in boilers 1935, 2064 and receipr of boiler 2172 for steamer 1153	611-1
190070	6-6	C&R	New boat allowance. Y Retd--Comments on 6/8 C&R gives new allowance of power boats 6-12	
192574	6/22	CO	Ward boiler 40' steamer 153 defective; shows not properly tested and inspected bedore issued by Norf	611-1
193044	7/8	Norf	Reports shipment of Ward boiler 2173 to Newport for vessel	611-1
196459	8/11	CO	Reports installing E-3 engine 1025 in steamer 757, in lieu of 1153; boiler 2172 surveyed	611-1
196617	8/16	C&R	Motor sailing launches; directs Phila mfg 4 3047-50 for KANSAS and issue	611-2
197266	8/19	C&R	Phila directed to construct 40' sailing launches 3077 to 80 and 3077 and 3078 for KANSAS	611-2
218871	3-20	C&R	Assigns sailing launch 2079 to KANSAS/	611-2
228343	5-14	C&R	Rel to converting sailing launch 1533 into a mot r sailing launch, and issue to the KANSAS.	611-2

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[OVER.]

KANSAS Auxiliary machy

1912

Number.	Date.	From or To—	Subject.	
66887	4/22	To Norf.	Engines, Bu. type, quotes extract from Log, commenting on and trouble experienced.	639
67531	4/29	Norf.	Reports engine 1025 installed cutter 1153.	611--1
74670	7/31	TO KANSAS	Steam log lists E-3 engine as spare as number 834; Bu's record shows 835 as spare and 834 in cutter 754 on MISSOURI.	611-1
75513	8/9	CO	Requests be allowed spare launch boiler.Y To---via At.Flt.disappd-9/5.	
			1913	
90683	2-15	Phila	Steamer 571; work incidental to Hull div.Y	
90684	2-15	Phila	Steamer 1153; ditto	
96252	5/1	C&R	Phila Yd instructed to issue 33-ft motor sailing launch 1221, which ~~was~~ assigned to Mass. to Kansas. and 1381 which was assigned to Kansas to be assigned to Mass.	611--2
97679	5/18	C.O.	Sailing launch 923 transferred to MASS, for conversion into motor sailing launch 1381 and motor sailing launch 1221 and motor 2086 received.	611--2
106325	9/24	C&R	Auth. transfer of motor sailing launch 1125 from MINNESOTA to	611--2

N.S.E. Form 134.

KANSAS: AUXY MACHY 255-11

Number.	Date.	From or To—	Subject.	
105797	9-26	TO C&R	2221 assigned	611-2
106933	10/2	C&R	Sailing 1125 transferred to Kansas from Minnesota.	611--2
112135	12/5	Phila	Reports receipt of GG engine 2207 for motor sailing launch 1381	611--2
		1914		
122156	4/1	KANSAS	CC engine 2058, launch 1125; remedied defects an d reqt be not turned in	611-2
No.#	6/1	To Phila	Ship's survey requests 51 of April 10th and 89 of May 21st; reconcile discrepancy between surveys of boiler 1770, the first reporting it in good condition with exception of certain repairs, the second condemning it for yard heap; if necessary boiler 1770 in steamer 757 will be replaced.Y	
126334	6/1	KANSAS	Requests a new boiler for steamer 757 to replace G-2 No. 1770, condemned	611-1
129464	7/9	Phila	Engine 742 from steamer 757 repaired and delivered to KANSAS	611-1
		1915		
158722	6/23	To Phila via KANSAS	Steamer 571 and motor sailing launch 1221 condemned; machinery of assigned to issue	611
162649	7/29	CO	Report on disposition of steamers and motor boats.Y To Phila--CC engine 2058 of launch 1125 assigned to issue. 8/9	

NB—0120

[OVER.]

255--11
KANSAS: AUXILIARY MACHY.

1

FILE No.		From or To— (Dated)	Subject.	
34397	3/18	Norf.	BOATS: reqt auth. to install gasolinenengine in sailing launches on: Work not completed during last visit.	611--2
36184	4/12	Norf.	Rel fitting sailing launch with aux. motors.	255--8
38833	5/15	Norf.	BOATS: states engine 748, boiler 1520 installed in cutter 571: assigned to	611--1
40219	5/31	Norf.	BOATS: gasoline engines for sailing launches, reqt action on previous correspondence.	611--2
47894	9/5	To C&R & Norf	BOATS: directs installation of engine 2060 in sailing launch of	611--2
48481	9/12	C&R	BOATS: 36' launch 1130 has been assigned to. Reqt gasoline engine be installaed at Norf.	611--2
			1912	
66358	4/15	C&R	Boats, 40' steam cutter 478, ordered shipped Boston to Kansas te replace 695	611-1
66531	4/17	C&R	Boats; orders 40' cutter 1153 from Norf. order for 478 from Boston Cancelled.	611--1

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KANSAS: CONDENSER:

1914

Number.	Date.	From or To—		Subject.
116249	1-22	CO		Main; recd. be retubed. Y Fwd Phila.for est and rec.1/31. RB 29 Fwd Dept. rec appr.2/17. RB 2 20 appd To Phila.appd.2/20.
118522	2-25	Phila	580-261	Retubing of main condenser; submits estimate for manufacturing ferrules; not included in original estimate.Y To---est for mfr appd.2/27. CO inisists on on use of fibre packing 3-5 To---desired that corset lacing packing be used for condensers.3/23.
122151	3/18	CO		List of work to be done by ship's force at Yard, includes retubing both main dondensers 255-8

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

KANSAS: HEAT:VENT.: &REFRIG: SYSTEMS.

Number.	Date.	From or To—		Subject.	
51520	10/13 10/19	Norf C&R	5486 21482-E.	Magazine insulation; re lagging and removal of pipinf in vicinity of. D Fwd Ord. 10/24.	
56309	12/7	Norf.	5080-E.21	Magazine stowage; incidental work involved.Y	
				1912	
				1913	
No #	4/15	To Phila.		Survey 136; repairs to ventilating set appd.L	
				1914	
117663	1/20	C.O.		Repairs, refrig. plant	255--8
				1915	
153190	4-16 4-24	CO Dept		Fwds extract of letter to Bd I&W relative to repairs to ice machine.Y Fwd Atl Flt-- 4/26	
185276	4-20	C&R		Asks type of refrig apparatus in connection with installing ice cream freezer. D To--Dense air type. 4/20	

NB—0120

N.S.E. Form 134.

KANSAS: HEAT: VENT: REFRIGERATION: 255 - 13

Number.	Date.	From or To—	Subject.	
342309	8/23	Atl Battleship Force	Copy of letter to Dept in connection with refrigerating system on listing various repairs requested - Y	
334629	8/5 K	~~XXX~~ Atl Bat Ship Force 1	Sub detailed report of inspec of ice machine and cold storage on Kansas	700-1
441151	10/3	To Comdt Phila	& KANSAS Spare propeller blades. Advise from what patterns and drawings blades under mfg. are being made. Yc Phila-lists spare blades on hand-10/16 Phila 10-13 Preparation of info delayed.	312-14
541819	12/13	CO KANSAS	Submits report on Allen Dense Air Ice Machine as installed on- also comments re lubricating oil used in. R	692

NB—0120

[OVER.]

KANSAS: PROPELLERS:

Number.	Date.	From or To—	Subject.
283722	2-23	To CO	Propellers change in pitch. Inform if there is any record of any change being made. D Kansas - Propellers - no record of changing propeller - D 2-27
284372	2-26	To Phila	Starboard propeller blade. Inform if blade was issued for installation and if so is blade which it replaces susceptible to repairs. Y Phila - 3/16 - Y
287678	3/6	Phila	Reports in detail on condition of shafting - Y
288134	3/9	Phila	Propeller measurements-fwds.D
457702	11/13	Phila	Ask if another blade should be manfd to replace one spoiled - Y To Comdt Phila- Only one spare propeller blade to be completed. 11-19
469579	1;14	Phila	Fwds propeller measurements.D

1920

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N.S.E. Form 134.

255 - 14 KANSAS: PROPELLERS: 1920

Number.	Date.	From or To—	Subject.
474330	2-6	To Phila	Spare propeller blade. To be scraped and surveyed and report be made to Bureau. Y To Comdt Phila- Desires that the two propellers be surveyed and scrapped. 2-19 Phila-threeblades on hand-4;16-Y To Comdt Phila- Reqts that the third propeller blade also be scrapped. copy to Phila. 4-20 Phila-4;26-Y
492570	5/8	Phila	Resubmits plans of propeller measurements - D
519156	9;20	Phila	Propeller data-fwds.Y
539423	1;10	CO	Reqt instrns relative to disposition of bent shaft and broken propeller struts.Y
560390	4/28	Phone to Phila	Broken Stern tube shaft- ;Gives instrns Y Phone to Comdt Phila- Gives inform re shaft 4/28 Phone to Phila re broken stern tube shaft 4/30 Phone To Phila Gives inform 4/20
560724	4;28	C&R	Copy of letter to Phila authorizing re-docking in connection with corrected shaft.Y
560830	4;28	Phila	Request prints showing stern tube and propeller shaft.D To EO Phila Fwds Vandyke 5/2
565864	5;23	Phila	Propeller report.Y

Phila-4;30-Y
Phila-fwds photographs showing crack in propeller shaft-5;3

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[OVER.]

KANSAS: PROPELLERS: SHAFTING: ETC.

1915

Number.	Date.	From or To—	Subject.	
156039	5/27	To Phila	Instructions to manf two blades for vessel	312-14
163313	8-13	TO Phila	Suspend mfg blades until result trial 4-bladed propeller	
166966	9/29	MINNESOTA Bd	States that KANSAS and probably DELAWARE to be placed at disposal of Board to secure further data	290-14
168764	10-19	C&R	Small crack in port shaft coupling.Y	
169245	10/21	MINN Board	Reqt KANSAS be ordered to sea about Oct 26 to carry out further test; orders issued	290-14
171283	11/15	To Phila	MINNESOTA; directs Denny-Edgecombe torsion meter be removed from KANSAS and put in thorough repair for future service	290-14
175608	1/7	To Phila-Norf R	Asks if there is in stock any spare forging blanks for stern tube or propeller shaft	290-14
179704	2/21	To Phila	Fwds print showing changes in bearings to accomodate larger shafting, reqt work be undertaken when vessel is available	290-14
185779	4-14	Phila	Shafting plans; request.K	

1916

NB—0120

N.S.E. Form 134.

KANSAS: PROPELLERS: 255-14 1917

Number.	Date.	From or To—	Subject.	
211586	1-15	Phila	Spare propellers; fwds report on test; recommends deficiencies be waived.Y To--Auth accept. 1/18	
213888	2/7	To Phila T	Bu desires renewal sleeve coupling port propeller shaft of, using spare forging reserved for CONN. at Phila. Y Phila submits estimate 2/10 To--(T) Directs Eng Officer call Bu long distance re sleeve coupling propeller shaft for. 2/10 Phila (T) reqt drawingscoupling 2-10 To--Ask what steps can be taken to expedite work. 2/16 Phila submits report; will use CONNECTICUT's coupling; lists other work that will affect date of completion 2/19 To Phila instructions 2/24	
216948	3-6	Phila	Shaft plans; request.D	
227004	5/5	Phila	Reports on analysis of test specimens their spare propellers Y To--Auth accept.5/11	
265479	11/29 12/4 Phila-Fwds copies of corres on condition of shafting.Y 4-5 To Phila- Reqts that report be returned also correspondence. 4-3	CO Atl Flt	Reports existence of excessive friction somewhere in the lines of shafting - fwds curves states rezults in increase in coal consumption etc - Fwd Phila ; Via Operations. -Concurs in 2nd end.12-20	

NB—0120

[OVER.]

KANSAS: PROPELLERS: SHAFTING: ETC

FILE No.		From or To— (Dated)	Subject.	
32621	2/27	Phila 14-33	Propeller blades; reports result of chem. anal. S	
56361	11/15 12/16	C.O. Norf. 6997-9651	Requests repairs to stern tubes and strut bearings of main shaft.Y (T) To Norf-Not appd.12/18. To Norf-Reasons for disapp.12/21.	
			1913	
90488	2/17 2/17	CO Phila. 580-164	Submits estimates for rewooding stern tube and strut bearings both propeller shafts.Y Fwd Dept. rec disappr.2/18. RB 2-20 To Phila.disappd.2/20.	
107605	9/16	C.O.	Rewood stern tube bearings, reseat stop valves, on main steam line	255--8
			1914	
117663	1/20	C.O.	Repairs, line shafting	255--8
			1915	
156551	6-3	To Norf.	Fwds plan 25-B-081; Screw propeller. D	
160267	7/10	Phila	Propellers; reqt patterns be returned from Norf Yd.Y To--Appvs manuf spare propL 11/13 Phila asks if work can be proceeded with 11-1 To Norf via S&A-- Reqt shipment of to Phila.7/13 Phila reqt delivery patterns be expedited 8-19 Fwd S&A reqt shipment 8-21 TO Phila 8-21 RB 9/9	
162801	8/6	Phila	Sleeve coupling on port propeller shaftcracked.Y To--(T) Will not renew sleeve coupling.8/7	

NB—0120

255-15

N.S.E. Form 134.

KANSAS:PIPING:SYSTEMS 1919 2

Number.	Date.	From or To—	Subject.	
400691	3/4	CP	Connect auxillarynand exhaust line to evaporator coils ToCO via B Force One and Bat Div. Three- Reqt disappvd. 3-15	255-5
451308	10-13	Phila	Asks if installation of addtional drainage to machy spaces shall be proceeded with. Fwd C&R. 10-16 C&R 10-23 Copy of letter to Phila.	D

Number.	Date.	From or To—	Subject.	

4—3381

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KANSAS: PIPING: SYSTEMS:

1v

FILE No.		From or To— (Dated)		Subject.	
31117	2/7	Nord.	768	Fwds prints showing air flasks and connections fitted in piping for feed water heaters. D	
33214	3/9	To Norf.		Evaporator plant: Certain pipes should be increased in size, to 7-1/2".	255-10
34345	3/20	Norf	1671	Reqt. prints of piping expansion joints. D. To -- Plans fwd 3/27.	
49112	9/11 9/19	C.O. Norf.	4961-7411	Repairs to steam pip ng to f.d. blowers.Y	
49774	9/15 9/27	C.O. Norf	5148 -7569	Repairs to copper piping.Y	
51712	9/11 10/19	C.O. ~~C&R~~ Norf	5635-8630	Repair piping to sea stool. Y	
				1912	
67629	4-24 4-27	CO Norf	2421-3970	Renew section copper piping sea suction to ice machine.Y	
81762	10-17 10-30	Norf Phila	580-230-6	Copper pipe repairs; list of work not under taken Norf.Y	
				1913	

NB—0120

255--18
KANSAS: WORKSHOP: TOOLS: ETC.

Number.	Date.	From or To—	Subject.
Survey #49	12/11	To Norf	14" Prentice lathe; directs re-survey with view to repairing and returning to, for further use. R
			~~1912~~
Survey 49	1/3	To Norf. T	Lathe; directs repair and have ship retain.Y
			1912
60502	2/6	To Norf.	Norf.recn.660 for 14" lathe. disapproved. Asks what action taken on Bu.telegram of Jan.3d, Survey #49.Y RLRB 2-21 Fwd Norf.Asks if 14" Prentiss lathe,survey #49, was repaired, cost of repairs,etc.2/27. RLB 3-13
		1915	1913
147512	2-16	Phila	Safety devices for machine tools; estimate.Y To-- Authorized. 2/18
		1918	
363245	10/18	CO	Request portable milling machines - Y Fwd Phila 10-30 R B 11/13 Fwd CO. 11-14 back Dec. 9
		To S&A req ship from Phila to CO KANSAS milling machine 11/12	Battleship Force 1 - Dec. 5
		To CO- Inform if material recd. 3-1 copy to Norf.	Fwd Phila. 12-10 To Phila. Dec. 10 back Dec. 26
		To Norf- info reqst receipt and dis of material 5-5	
375	5;14	Norf.	

NB—0120

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

KANSAS: PUMPS:

Number.	Date.	From or To—	Subject.	
			1912	
80411	10-16	Norf 3233-580	Air and circulating pumps;reqt. vandyke.D To--fwds 10/19	
			1913	
91380	1/22 2/24	CO Phila. 580-210-6	Main circulating pumps; manufacture new impeller shafts for.Y To Phila.appd.3/1.	
			1914	
117663	1/20	C.O.	Repairs,	255--8

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

255--20

KANSAS: VALVES: GENERAL.

Number.	Date.	From or To—		Subject.	
45472	7/12	C.O.	E	Reports on Nolan bottom blow-off valves and Simplex seatless valves. D	724-1
				1912	
				1913	
94221	4/2	Phila.	580-469-6	Bulkhead stop valves on main steam line in engine room; reports impossible to reseat so as to make steamtight; fwds sketch and revised estimate.Y To---sketch appd.4/7.	
				1914	
117663	1/20	C.O.		Repairs,	255--8
				1916	
195696	7/28	CO		Install distance control for dynamo room steam stop valves.Y Fwd Phila--Work authorized 8/11 RB 9/9	
463176	12;30	Phila		Request VanDyke of 4-1/2 inch safety valve.D To- Fwds prints. 1-2	

NB--0120

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

KANSAS ALLOWANCES 1922

Number.	Date.	From or To—	Subject.	
644409	10/1	CO	Fwds balance sheet title B equipage quarter ending 6/30.Y	

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Number.	Date.	From or To—	Subject.	

KANSAS: ALLOWANCES:

1916

Number.	Date.	From or To—	Subject.
187209	5-9	To CO.	Addition of forced draft blower spare papts. R
197062	8-17	CO	Request special money allotment to cover boiler tubes and gage fittings. R Fwd S&A 8-19
199451	9-10	CO	Request special money allotment cover tubes for boilers. R Fwd S&A--Appvs. 9/18
205417	11-11	CO	Request additional money allotment/R To--Ask whether retubing of boilers is to be done by yard or ship's force. 11/15 CO recommends tubes be invoiced to Yard but retained on board and quarterly allowance be credited with amount of invoice 11-20 To Atl Flt--Comments on. 11/24
			1917
217172	3-2	CO	Request additional quarterly money allotment. W To S&A--Rec spec allott $800.00 3/9
272026	1-9	To CO	Revision of Elec allow. Fwds blank allow book. L-R To- When may expect to reply to above. LR 3-23 R B 3/29 To- Returns appvd as corrected. 3-30 CO - Allowance books distributed. L 6;12

NB—0120

N.S.E. Form 134.

255 - 21 KANSAS: ALLOWANCES

Number.	Date.	From or To—	Subject.	
299303	4-12	CO	Fwds allowance list. R	
320465	7-1	To CO	Amending S E Allowance changes	
378230	1/8 5;16	To CO CO	Fwds allow book-	
451565	10-16	To CO	Fwds blank allowance book for revision Of. Ya	
470342	1-20	To CO	Fwds appvd lists. Y	
495584	5-25	To Phila	Rqst to be notified when allowance lists are received Y To CO Fwds appvd copy of allow list. 5-25. Phila-7;20-Y	

NB—0120

[OVER.]

255 -- 21

KANSAS: ALLOWANCES.

FILE No.	From or To— (Dated)	Subject.	
No # 4/25	To C.O.	Regn. 1; tube cleaners disapproved. R	
		1912	
		1913	
92407 3-10	CO	Reqt. authority to turn in launch engine parts, ~~Lyden~~ Lytton traps,etc. R. To---Material should be covered by survey. 3/15.	
94670 4-9	CO	Recommends incarese in tools,etc.R. To-Phila via S&A - add 4/17	
		1914	
132986 8-20	CO	Reqt addition of twine.R To Phila-- Appvd. 6/31	
		1915	
144841 1-16	CO	Reqt increase in hand tools. R. Fwd C&R-- 1/19 To Via Phila-- Addition of hammer. 1/19	
171185 11-10	CO	Fwds 2 copies.R To-- Returns appvd with modi. 12/17	
174004 12-11	CO	F wds.R To--Asks quantity of certain items required.12/29 KANSAS; submits proposed changes 1-19 To-- Appvs with modi. 3/8 CO fwds list 4-4	

NB—0120

KANSAS: GAUGES & INSTRUMENTS.

Number.	Date.	From or To—	Subject.	
55507	12/6	Norf. 6708	Revolution indicator gear; requests prints.D.	
			1912	
66845	4/16	Norf.	INDICATORS; Sub-Target Gun Co. engine telegraph transmitters and indicators,nwas purchased for installation on	665--2
		1914	1913	
123059	4/16	CO	B&W boiler fittings on gage glasses; recommends alterations to.D TO -- appvd 4-25	
			1914	
233034	6-9	Phone Phila	Yard borrowed set of indicators from ~~Kansas for~~.KANSAS for.	511-24

N. S. E. Form 134.

Number.	Date.	From or To—	Subject.	

NB—0120

[OVER.]

KANSAS: RECORD OF WORK

Number.	Date.	From or To—	Subject.	
433569	7/1	CO	QUarter ending 6/30. Y.	
450248	10-1	CO BRIDGEPORT	Quarter ending 6/30. Y	
450369	10-1	CO PROMETHEUS	Quarter ending 6/30. Y	
558855	4;19	Phila	9;5;20 to 9;25;20.Y	
453159	10/1	CO	Quarter ending 9/30. Y	
492835	5;,	CO	Quarter ending Dec 31st,1919.Y	
527016	10;26	Phila	6;29;19 to 5;17;20/Y	
559556	4;1	CO	Quarter ending 3;31 Y To CO Gives instrns cc C&R S&A 4/28 CO-5;17-Y Fwd CO 5/24	
		CO-quarterly report of work-6;3-Y CO-quarterly report of work-6;3		
579414	7;1	CO	Quarter ending June 30.Y	

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255-25:KANSAS: RECORD OF WORK: 1921

Number.	Date.	From or To—	Subject.	
586576	9;15	Phila	3;7;21 to 5;25;21.Y	
587012	9;16	Phila	4;13;21 to 5;27;21.Y	
591761	10;1	CI	Quarter ending Sept 30th.Y	

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KANSAS: RECORD OF WORK

1913

Number.	Date.	From or To—	Subject.
109133	10-30	Phila	Sept 16 to Oct 1.Y
109221	10-31	Phila	Sept. 16 to Oct 1.Y
		1914	
134578	9-16	Phila	Apr 10 to June 22.Y
135042	9-22	Phila	Apr 10 to June 22. Y
		1915	
147014	2-11	Phila	Dec 8 to Jan 11
147034	2-11	Phila	ditto
149801	3/15	Phila	Jan. 17th to Feb. 16th.Y
149866	?	Phila	Jan 17 to Feb 16
150551	1-17	~~Kansa~~ Phila	Jan 17 to Feb 16
182540	3-22	Phila	May 29 to Jan 6
183533	4-1	Phila	May 29, 15 to Jan 6,16

NB—0120

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1917 1918

KANSAS: RECORD OF WORK.

Number.	Date.	From or To—	Subject.	
238590	7/13	Phila	Sept 30/16 to July 9/17 Y	
		1918		
285552	2/28	Phila	2/14 to 2/28 Y	
359934	10/16	Phila	9/8 to 10/16 - Y	
404416	3;19	Phila	Record of work period ending 10-16-18 Y	
410950	4;1	CO	Qtr. ending 3;31;19 Y	
423992	6-1	Phila	5/14 to 5/28 - Y	

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[OVER.]

255-27

KANSAS: SURVEY 1920 1

Number.	Date.	From or To—		Subject.
496854	5/12	Phila	13	Tubular units - Y.
553176	3;16	Phila	12	Ward boiler.Y To Phila Gives inform cc SO Phila- CC 3/29
557899	4/6	Phila	17	Motion picture machine Y
565780	5/23	Senior Off	13	Lining bearing Y
565781	5/23	Senior Off	14	Cooler, Cylinder engine Y
587939 m	9/28	Phila.	7	Piston rods, eccentric rod, valve rod etc Y
587933	9/29	Phila.	8	Adapter,5 KW spark gap,relay, etc W.
587937	9/29	Phila.	6	Tube expanders, hammer, cross boxes, etc Y
588624	10/3		1	Blowers, Telephones L
588630	9/21	3rd Nav Dist	5	Telephone L
588629	9/21	3rd Nav Dist	6	Tube expanders, Hammer Y
588628	9/22	3rd Nav Dist	1	Blowers, Telephones L

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N. S. E. Form 134.

KANSAS: SURVEY 1921

Number.	Date.	From or To—	Subject.
596353	11/17	Phila	Vacuum tubes Audion Y
599923	12/8	Phila 10	Telephone head set Y
600336	12/13	Phila 11	Hose Y

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[OVER.]

1919

AIRPLANES; RADIO

Number.	Date.	From or To—	Subject.	
384123	1/13	To S&A	Reqts shipmt from Brook to Curtiss 4 radio aircft transmittiers To S&A Reqts cancellation of above 1-31	W
386438	1;17	Inspr Phila	Fwds letter from Aircraft Factory reports, shortage radio rec F-5 boats and recs no further instal be made except on boats to be shipped. W	
386511	1;17	Inspr Phila	Fwds radio instal report aircraft factory.	W
384766	1/15	To Insp Phila	Re modification in install of radio trans- mitters type SE 1100 on flying boats H-16-F-5 W	862-3
386830	1;16	Rockaway Beach	Asks if test of radio on NC-1 started by General Elec Co rep will be completed. W To CO Rockaway-Tests on flying boat will be resume approx 2 weeks from date- 2/8	
385863	1-18	To S&A	Req shipment from Glouchester to Hampton Roads, radio transmitters, receivers and batteries for USN Guantanamo Expedition /W Reqst. shipt. of material from Brook. to & for Guantanamo Expedition. 2/1 Inspr Brooklyn - 2;12	RB 7;28
	To Inspr Brook- Fwdg copy of contract 43882 with Adams-Morgan Co- 2/19			

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N.S.E. Form 134.

1919

Number.	Date.	From or To—	Subject.	
385865	1-18	To S&A	Req shipment from Schenetady, GE Co six type CG 1104 air c radio trans, an 12 type CG 916 vacuum tubes, contract 3413 to Norfolk- for USN Guan Expd- To-- (T) Ship USS SHAWMUT Nor, llzero four trans complete as possible. 2/3 To S & A 3-18 requ status of shpmts	W
385869	1-18 To S&A req amendment of SO of 1-23 5-9 To S&A- fwds cy of ship reqst amend 5-19 5-13	To S&A	Req shipment from Washn to Norf radio receivers and vacuum tubes for USN Guan Expd- To S&A reqst above be amended to include as listed I-23 S&A-3;27 S&A 4:23 TO S&A-Fwd- 4;25 RB 5;10	
386497	1/20	To S&A	Wash Yd. Request shipment of raio ~~meter~~ apparratus as listed.	W
386498	1/20	To S&A	Wash Yd. Request shipments od radio apparratus as listed.	W
387011	1;20	Bu Standard	Fwds copy of test covering Marconi Flying boat transm. W	
386840	1-22	To Air Stations	Fwds drawing showing proposed building for housing radio instln activities Montawk - 1;28 Cape May - 1;29 Miami - 1;29 Pensacola - 2;5 fwd Operations 3-13	W

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[OVER.]

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
383579	1-14	To GE	Fwds report of 12-30th on signals recd from 2 KW base station tube set under test at Wash To Am Propellers-Co- Asks that they submit 2 samples of propeller driven generator 1-14 American Propeller Mfg Co-Tel-Can mfg windmills. 1;16	W
383580	1;17	To GE	Fwd immediately six copies of GE photo numbers of 2 kw base station tube transm.	
384105	1-11	To S&A	Reqts shipmt from Phila to Gloucester Radio material as listed S&A 10;2 fwd S&A 10/6	W
384116	1-13	To S&A	Reqts shipmt from Standard Corp to Gloucester radio app as listed	W
384124 see back of	1-13	To S&A	Reqts shipmt from Bost to Gloucester radio transmitters wire clamps and antenna reels To S&A; Requests shipment of radio apparratus as listed. 1/17 Received back 4;9 Inspr Mass-Returns ship order of 13th for correction. W 1;18	W
	Inspr Mass-Req cancel ship ord 1;21 2;20 Inspr Mass 4;8			
384125	1-13	To S&A	Reqts shipmt from GE to Curtiss 61 vacuum tubes	W
384745	1-13	To S&A	Reqts shipmt from Wash to Curtiss radio material as listed To S&A- Rqst above be canceled- 2/14 R B 2;24	W
384768	1-14	To GE	Test of 6 vacuum tube radio transmitter sttis factory-asks cost and delry of 4 of these sets	W
384123	1;13	Shipment order Fwd	Received back 2;8	
384133	1-13			

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19 19

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
385283	1;13	Inspr Curtiss	Fwds sketch of radio masts. W
385862	1;18	TO S&A	Req shipment of radio propellers and antenna reels from Brooklyn to Gloucester N J RB 3/18
385432	1;11	Hampton Roads	Fwds detailed drawings and photoes of radio compass pamphlets installed flying boats 3560
385863	1;18	To S&A	Req shipment of material from Brooklyn to Hampton Roads. RB 3/18
	To Inspr Brook- Fwdy copy of above- 2/14		To S&A Reqts amendment of above 2-1 Inspr Brooklyn-Req copy of contract 43882. 2;7
385706	1;15	Bu Standard	Fwds test of Marconi Flying boat radio transm.
385864	2/19	To S&A	Reqst. shipt. amended to read 4 recv. 1/18 RB 3/18 Gloucester 2;27
			To Glouch- amend. of calls attent o 3-4 Shipment order of 2;19 RB 4;4
386197	1;16	Bu Standard	Fwds copy of log of rec operator in con with test of airplane, transm. W
386221	1;17	C&R	Copy of letter to Aircraft Factory and inspec fwd, standard instal plans of radio, F-5 flying boats. W
386220	1;17	C&R	Copy of letter to Aircraft Factory and inspc fwd, standard instal plans of radio H-16 flying boat.

AIRPLANES RADIO.

Number.	Date.	From or To—	Subject.	
383134	1/9	To Inspr Engineering Mtrl	Rqstd Bu be informed as to number and types of radio apparatus available at Gallaudet Facty for distribution. W.	
	To S&A 12;31;18 R B 3;11;19		Received back 1;16	
			To Glouch- re shipments 3-5	
383649 see cd 117			To S&A Reqts shipmt from Bost to Gloucester Generator wing clamps antenna reels 1-21	
			To S&A req shipment from Bost n to Glouch wing clamps and antenna reels canc of 2-26	
383121	1/7	To Com 7th Dist	Reply rqstd Buseng despatch 16002. W	
384387	1;10	CO NEW MEXICO	Throat type transmitters loaned to J S Dowell returned. W	
383568	1;11	Inspr G E	Shortage of accessories reason of delay in shipment.	
OVER			To-- (T) Reqt expedite deliveries of CG 11004 cc report desp reasons for delay 1-10	
383128	1-11	To Dept (Avi)	Reqts ~~xxx~~ that 2 monthly copies of Avi Material progress report be furnished Bu	W
384765	3;5	Pg Sd	Fwds prints showing radio comp house and transm on Gwin.	W

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1919

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
383566	1-10	To Bu Standards	Lists proposed wave lengths for aircft use	W
383567	1-10	To Hamp Rds-	Reqts they submit vice weekly reports on 10th and 25th concise progress report of experimental work To Bu Standards ditto 1-10	W
383568 Over	1-10 Gloucester-Fwds material sheet. 4;14	To Bu Standards	Reqts test of 24 volt 1500 volt DC generator unit of Crocker Wheeler Co- Bu Stand-Report of test on gas engine gen. 1;14 To Inspr GE- Desires that only complete sets of aircft radio transmitters be shipped 1-15	W W
383576	1-10	To S&A	Reqts shipmt from Wash to Gloucester 3 sperry ~~XXXXX~~ Co aircft radio transmtters RB 3;21	W
383578 fwd S&A	1-10 3-12	To Cutting and Washington	Reqts that contact support of aircft send-receiver switch type SE 1442 be redrilled To--- Lists difficulties report with aircft radio transmitter type CP 1110 1-11 To Gloucester- Asks list of all radio app on hand Cutting & Washington - 1;13 Phila-Fwds rep of radio app Gloucester 2;20	W 1-13
383569	1-10	To 7th Dist	(T) Asks notify dates arrival and instalm of 4 phone transmitters	W
385510	1;14	Inspr Brook	Lists insulators airplane propellers and antenna on hand ready for deliv.	W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
382060	12 ;28	Pens	Aircraft transm type CP 1110, fwds report on test of. W	
381050	4;23	G E Folk	In con with infringement of patent owned by Deforest Co. Cross to 896-1	W
381845	12;30	Inspr Curtiss	Sub report of status of radio material at Buf including that shipped to Toronto.	
381363	1-2	To Key West (T)	Reqted No radio phones in use on aircft Are they satisfactory 7th Dist-No radio tel at Key West. W 1;8 Key West-Relative to radio ship order. 1;9 Akron-Fwds revised drawing showing change in wiring of meter for transm. W 1;17	W
381367	1-2	To GE (T)	Test CG 1130 arranged 1-6th per your let 12-27th Hamp Rds notified	W
381362	1-4	To Inspr Akron& CO Air Stations	Fwds copies standard radio installn for Class C twin engine dirigibles	W
381364	1-6 Page Steel & Wire Co-Asks if will receive order. 1;29	To Page Steel & Wire Co	- Asks price-info and delry re wire listed Page Steel & Wire Co-Fwds quotations. W 1;9	W
382782	12;17	European Force	Radio received for French aircraft, sub descrip of with print. W	

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1919

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
382594	1/7	To S&A	Req ship from W ashn to Glouchester rad o tranmitt rs R B 3;21
383199	1;16	Brest	Req antenna reels be held at station. Req Copy of ship order. Gloucester 2;18
383287	1;6	Bu Standard	Report of further test on GE 2 kw set. W
383119	1-8	To CO Air Stations	Reqts that all radio app type CE 615. Deforest r adio phones and all other radio app which has been surveyed be expressed to Gloucester W
To-States no shipt. reqst. issued.	To Brunswick GA- Permission grant to retain 3 aircft antenna reels Boston 5;13;191-24		To Gloucester- Reqts that they repair surveyed repaired parts, to be used for spares1-11
SEE 129	To Chatham- Only obsolete and condemned possible and dismantle as cannot be demmed app shipped to Gloucester Fwd Gloucester 1-29 1-28		Chatham - 1;2 W New Brunswick-List appart ship
380752	1;7	Com	Submits status of compassstation Montolooking (to (Glou
383648	1;7	Inspr Akron	Req set Westinghouse volt meters and ammeters be supplied. W To Inspr Akron- asks exact kind of current. 1-24
384079	1;7	Inspr Phila	Conf tel conv asking why reports have not been received regularly. W
382597	1/9	To S&A	Rqsts radio receivers be shipt from Wash to GE Co NY. W.

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
379418	12-23	To S&A	Reqts shipmt from Cape May to Glpucester Radio transmitters RB 3;21;19	W
379420	12-23	To S&A	Reqts shipmt from GE to Wash 2 aircft radio transmitters To GE Company Tel 3-22 To Comdt Washn- reqst prelim tests be made 6-3 Wash-Test report. 7;21	W
379948	12;23	Genl Elec Co	Test on transm should be completed at once. To GE (T) Ready for test-fwd transmitter immediately 1-26	
379171	12-23	To S&A Card 102	Reqts shipmt from Bost to Bu Standards 916 K 1 aircft radio transmitter	Wr
379663	12-23	To S&A	Reqts shipmt from Wash to Bu Standards 916 K 8 vacuum tubes Received back 1;9	W
379934	12-24	To S&A	Reqts shipmt from Brook to Gloucester 4 spool antenna wire Received back 1;16	W
379949	12-27	To Hamp Rds	Reqts that transmitter CG 1130 be given service test	W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
380555	12-27	To Insps Eng Mat	Fwds prints showing standard Installn Plans for aircft Radio transmitter type SE 1100 for Flying boats H-16 To Bus and Insprs - Fwds bprints re above 12-28	
381144	12;28	Inspr Akron	Sub report of test of radio equip during flights of dirigible C-2 To Inspr Akron- Ask report of investigation of transmitter freezing 1-2 Inspr Akron-Submits report dirigible C-2 on first flight. 2dist 1-30 r b 1-7	
381473 TO CARD 160	12;21 12;28	Smithsonion Inst Dept	Req complete calculation of radio apparatus for seaplanes be furnished in con with material. Fwd Dept 1-30 To---Apparatus is being assembled in Wash and will be fwd within few weeks- 2/10	W
set from Wash to Wash. 1-5 Smithsonian reel from Phila to Smithsonian. 1-5 Aircrft Facty 1/13	To S&A- Reqts ship receiving To S&A-Reqt shipment antenna			
381357	12-31	To S&A	Reqts shipmt from Phila to Gloucester 20 aircft radio helmets RB 3;11;19	W
382048	12;29	Bu Stand	Fwds weekly report of experimental work on airplane generators. Bu Stand-Semi monthly prog report. W 3;10	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
378732	12;16	Bu Standard	Sub report of test of Genl Elec 2 kw tube transmitters. Bu Stand-Semi monthly progress report. 6;30
379178	12;23	To S&A	Received back 1;21
378794	None	Ensign T T Hoopes	Sub weekly report of aircraft radio apparatus. W
378026	12/19	To S&A	Rqst 2 spare part bozes be shipped to Glou from Bost. W.
378501	12/18	To Rockaway Beach.	Fwded sketch lead-out insulator.- Rqst be made out and installed as soon as practicable. W. Rockaway- Furnishes prints. 1;8
379433 see card 125			
379413	12;20	Bu Standard	Fwds report on test in con with reception of tel on board seaplane. W
379742	12;21	Akron	Submits report of damage to radio material for install of dirigible C-2 To Inspr Akron- No desired to repair above - 12-26

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
380009	12;23	Western Elec Co	Fwds prints of wireless equip.	
379671	12-24	To Hamp Rds Cank 1.03	RE use of special cable on observation balloon -Asks if can be towed from Hamp Rds to Radio Station Hampton Roads - 1;3	W
378860	12-20	To S&A	Reqts shipmt from Wash to Gen Radio Co Cambridge 12 type CG 1162 vacuum tubes	W
379166	12-21	To S&A	Reqts shipmt from Brook to Inspr Buffalo Cable as listed To S&A reqst canc of 3-5	W
379167	12-21 canc of amendment of 4/10 Shipt order of 12/21/18 amended 4-20 ~~Amend of S.O. 12/21 4/10~~	To S&A	Reqts shipmt from Brook to Gloucester radio material (See 2816-629) Amendment of shipt order 4/10/20 Inspr Brook. 4/15 W.	W
379170	12-23	To S&A	Reqts shipmt from Bost to Gloucester 3 aircft radio transmitters	W #
379173	12-21	To Hamp Rds	Asks that sketches and accurate measurements of installn of transmitter and receiver on dirigible A-237 ~~xxx~~ be submitted to Bu Hampton Roads-Fwds photoes and sketch of instal.	W W
379171	1;4	Inspr Mass	Copy of let from Bu Standard. Shipment Order-Fwd 12;26 received back	1;20

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
377374	12-16	To Wash	Fwds report on type SE 1012 receiver submitted by Radio Lab Bu of Standards	W
377381 see card 146				
364726	12/17	See Card 87.	Enclose copy of report of test on K.W.aero radio transmitter. W.	
376907	12/17	To E.J. Simon	Confirmation of convsn between representatives of E.J.Simon and Bu S.eam Eng has been made to Post Office Dept. t W.	
376934	12/16	To Inspr Buff.	/350/ 350 feet of model "H" high tension cable will be furnished by Bu at once. W. Inspr Curtis-Tel- High tension wire not rec, req rush. W 1;20	
377378	12/16	Wash Yd.	Rqst that 25 type CBG 3535 batteries be shipped to Inspr Engineering Material Akron Ohio.. W D To S&A req can of SO 12-16 5-5 RB 5;12;19	
378462	12;17	Bu Standard	Fwds weekly progress report. W	
		Bu Stand-Status of radio research problems. 7;15	Bu Standard-semi-monthly report. 1;25	
		Bu Stand-Semi monthly report 8;13	BU Stand-Semi-monthly progress report. 2;13	
			Bu Stan-Fwds report 2;26	
			Bu Stand-Fwds semi monthly prog report. 5;12	
376401	12/11	GE Co.	T Johnson will visit Schenectady Monday 12/16 Desires confer with Payne Brooks White . Will they be present that date. W.	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
378432	12.17	Bureau Standard	Fwds weekly progress report. W	
	Bu Stand-Progress report. 4;25		Bu Standard-Weekly report. 1;6	
	Bu Stand Lab-Report of test 6;6		Bu Stand-Semi-monthly report. 1;11	
TO CARD 148	Bu Stand-Sub monthly report		Bu Stand-Semi month report of prog on airc div. 3;24	
	7;14 To Bu Std- asks fwd summary		~~Bu Stand-Fwds computation of constants for~~	
	of work on problem 7/22		~~loop antenna for airigible.---3;25~~	
	Bu Stand-Rep on descrip of app used. 7;30		BU. STAND. 4; Bu Stand-Status report 7;30	
376304	12-5	Aircraft Storehouse	Submits report of radio telephone sets	
	12-10	S&A	and spare parts at store house	
			40	
378850	12;17	War Dept	Bureau to stop all production on cont 43178 cov radio receivers.	
			To Signal Off- material not del no charge 3-29	
378858	None	War Dept	Req action.	W
378851	12;18	War Dept	Recs bureau stop contract 43183 cov receiver.	
378506	12;15	Chatham	Req that station be sup with all radio reports. W	
			To ---- Chatham has on file copies of above 12-21	
378026	12;27	Inspr Mass	Copy of letter to Gloucester stating shipment made 12/27	
			Shipment order of 12;19 nack 1;13	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
376400	12-13	To Inspr Goodyear Tire & Rubber Co	Gives details for construction of ant ennat inside of envelope Inspr Akron 12;19	W
376643	12-13	To S&A	Reqts shipmt from Inspr Brook to Curtiss Garden City- 2 SE 1100 flying boat radio trans mitters	W
376644	12-13	To S&A	Reqts shipmt from Inspr Bost to Curtiss Garden City- 6 vacuum transmitting tubes Received back 1;16	W
376647	12-13	To S&A	Reqts shipmt from Wash to Curtiss Buffalo radio app as listed	W
			To S&A - Rqst shpmt from Wash To Curtiss be canceled 2/14	
376649	12-13	To S&A	Reqts shipmt from Gloucester to Ham p Rds- 20 anttennae reels	W
377714	12/13	Hampton Roads	Submits report of test of gen. radio trans- mitter for aircraft equipment W	
375822	12-11	To S&A	Reqts shipmt from Bost to Bu Standards Wash 21 vacuum trans tubes W	W
376158	12-12	To S&A	Reqts shipmt from Bost to Curtiss ten vacuum trans tubes Received back 1;27	W
376304	12/20	To S&A	Rqstd 4 radio tele sets and 2 boxes radio spare parts be turned into store at NY. W	

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
376396	12-14	To S&A	Reqts shipmt from Wash to Radio Labe Wash Radio app as listed Shipment order received back 12;18	W
376397	12-12	To S&A 919	Reqts shipmt from Wash to Akron 10 air plane compass receivers Rqst that above shipment rqst be ameded to include 10/telephones 60 receiving tubesand 6 batteries, from wash to Akron. 12/16 Shipment order back 2;1	W
376637	12-12	To S&A 898 rec'd	Reqts shipmt from Wash to SE Wash practice telegraph keys and high requency buzzers	W
377377	12/16	To S&A	Rqst that 250 type CBG 3535 batteries be shipt from Phila to Gloucester. W. Received back 2;6 Phila - 6;27	
373482	12;12	Inspr Akron	Understands that bureau will furnish radio rec and storage battery for instal.	W
378017 TO 112	12/18 To Montauk- Reqts that kites be fwded to Hamp Rds when completed 1-25 Hampton Roads-3 cuts not rec. 1;28	Hamp Rds.	Com Off Montauk L.I will fwd 3 wind kites. Upon rect rqsts that they be tested and rprt submitted To Montauk-Asksif kites have been shipped 1-14 Montawk-Submits report on experiment with photoes. W 1;14	W
377882	12;13	Hampton Roads 919	Shows characteristics of radio compass boiler for E-5 boats.	
377372	12-16 Fwd SNAK Supt Constr of aircrf NY-via C&R 1-11 Super Const-Recs reopening of quest of exp NC-1 Type. 1 2;10	To C&R	RE making provision on next type NC-1 Flying Boat -Antenna system. C&R-Sub report on proposed instal on NC-1 W 1;7	W
357205	12/14	To S&A	Radio ma terial to be shipt to Akron. S lmon colored copy of reference is attachedain accord ande with 2nd indorsement. W.	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
375016	12-11	To NY	Gives assignment of transmitting sets	
	NY-Reports on shipment of transmitter sets. 4;21		To NY- asks how many sets available for for shipping board vessels 4-5	
			NY - 4;11	
			Fleet Sup Base-List sets received 4;14	4-15
376151	12-11	To NavOper.	T o NY- info reqst how many trans can be used Reqts. cable be sent to Sims to obtain from British 4 samples antenna.	
376392	12-11	To H.Rds.	Fwds. 3 blueprints o let. of 11/29.	
376629	12;5 12;9	Cutting & Washington Inspr Mass	Fwds prints showing new gap lock screw for airplane set .	
376802	12;11	E J Simon Co	Copy of let to Post Office Dept stating bureau has no objection to demonstration of radio equip on post office planes. W	
376999	12;11	New London Base	Lists radio apparatus req for instruc of students on duty of sub. W	
376799	12/18	To Sub Base New L Conn.	Bu issuing shipping orders covering shipment of all material rqstd in ref./12/18/ W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
376824	12;6 12;11	Inspr Keyport Inspr Brooklyn	Instal on radio apparatus for navy seaplanes, sug all radio inspec be turned over to Keyport office. W Fwd Inspr NY 12-14	
376613	1;13	Shipment order fwd	Received back 1;22.	
376934	None	Inspr Curtiss Tel	Sug that wire nec to complete instal of Marconi set be shipped to complete contract rather than purchase from Curtiss W ~~Shipment order of 1;4 back 1;14~~ Inspr Curtiss-Submits shortage. 1;13	
377380	12/18	To S&A	Rqst that 1 radio transmitter be shipt to Wash from Bost. W. Inspr Mass--Copy of let to radio lab bu stand stating transm shipped for test. 12;24	
377007	12;10	Anacosta	Test of Magnavox set with new type transm. report of test. W	
376907	12;10	E J Simon Co	Fwds copy of letter to Post Office Dept in con with radio demonstration of air service. W	
377543	12/13	Copeley Mfg. Co.	Req. rep. on seaplane power unit delivered to Bur. for experimental work ~~xbx~~ W	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
375187	12;5	Akron	Req radio material listed be shipped as soon as possible. To S&A, rqst shipmt dry batteries NY to Akron. 12-12 To S&A-Rqst shipmt 24 batteries NY to Akron 12/12	
375347	12;2	Bureau Standard	Report of further test of 2 kw genl elec transm. W To GE Co. Fwds. copy of report on tests.	12-10
375393	12;5	Genl Elec Co	Book of instruc ~~in~~ of airplane sets for apparatus listed being repaired, req bureau furnish infor. W	
375475	12;6	S&A	Cunard Steamship Co values material lost by Lt. Lavender. W Fwd S&A 12-9 Navy Disb Office-fwds corres relative to bill-7;12-W&K fwd Airc Fac 7/16? 142, Copy back 7/26 WW	
375635	11;14	Ensign Anthony	Relative to shipment of airplanes, to Pensacola.	
373484	12-10	To H. Rds.	Fwds. blueprint copies as reqtd.	
375401	12-10	To GE Co.	Gives probable requirements of radio tubes. To ----- Give some of above info 1-13	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
375536	11;13	Inspr Brooklyn	Fwds report of ship of radio material made 12;9.	
375003	12-6	To S&A	Reqts shipmt from Brook to Curtiss 16 flying boat radio transmitters Reqst. shipt. of material from Brook. to Buffalo for Aero. & Motor Corp. 2/4 RR 2;28	W
375005	12-7	To S&A	Reqt. shipmt from Brook to Wash for Bu Standards 2 flying boat radio transmitters To--Reqst. shipt. of material from Brook To Buffalo for Aero. & Motor Cor. 2/4	W
375154	12-7	To S&A	Reqts shipmt from NY to Akron-Bakelite sheets as listed	W
375009	12;7	Genl Elec Co	Asks ranges of waive length of tel transm. Tel. G E Co- Prefers to use 27 ft spacing. W 12;9 To---(T) Gives wave length desired. 12-6 To--(T),give inform re above,12-11	
376143	12;14	Italian Mil Mission	Publications received. Hampton Roads-Report of test of fixing antenna system on flying boats with photoes. 12;28	
376134	12;9 flying boat HS-2 be fwded to Bu 1-13 To Hamp Rds- Fwds bprints 1-15 Hampton Rds-Asks if bureau can use prints instead of negatives W 1;17	Dept	Special attention should be given to devel wireless aerials for seaplanes. W To Hamp Rds-Asks report on all experiments made on fixed antenna systems on flying boats 12-24 To Dept (OP) ditto will be investigated 12-24 To Hamp Rds-Asks that photos of antenna system of	
376435	12/1	Chatham.	Submits report on type C a g 1295 transmitting sets.	W.
375012	12-9	To S&A	Reqts. shipt. of radio apparatus from Wash. to Harvard Uni.	
375015	12-10 To— contract fwded 1-24th 1-29	To GE Co.	Asks to quote prices & best dels.on new tone trap instruments.	

To S&A--Rqst ref be amended to 16 type GG 1162, instead of 65 tubes. 12/19

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
373307	11;26	Copeley Mfg Co	Return drawings listed.
372113	11-27	To S&A	Rqst shipmt 5 boxes radio mat'l Phila to Inspr East Greenwich, W Received back 1:11 To SO Phila- Matrl shipt to College Point without handles for antenna reels and weights- Rqst info concerning disposition of ~~xxxx~~ these handles - 2/12
	Phila-Rqst College Point be directed to return material. W 4;23		
372566	11-29 ?	To S&A	Rqst shipmt transmitters & generator systems Inspr Brook to Gloucester, W RB 4;21 Brook-Transm was damaged in transit. 2;26 To Glouch- Advises damage will be taken up with Amer Ry Expr Co- 3-4
373484	11;26	Hampton Roads	Report of further test of 375 meter genl elec U tube transm.
373745	None	W M Runyan Akron	Storage battery not received, req fwd at once.
372767	11-29	To GE (T)	Tests at Rockaway will be made Sunday morning 12-1 Wire if you can be there W
374684	12;27	Cherrystone Base	All material on hand.

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
372772	11-29	To Wash	Reqts observations as listed be conducted on E.J.Simon 1/2 KW Aero Radio Quenched Spark Transmitter 11-29 Washington Yard-Fwds report of test on trans sub by E J Simon Co 12;28	
373028	11-30	To War Dept-Mil Aero	-Fwds Navy Dept (Radio for Aircraft) Training Manuel of Sept 1918.	W
374083	11;27	Hampton Roads	Sub report of test 375 meter genl elec U tube	
373337	12-2	To S&A	Reqts shipmt from Brook to Gloucester-100 stream lined antenna weights Received back 12;19 To S&A: Request shipment Radio apparratus as listed 1/20 received back 2;3	W
373332	12/2	To S&A	Reqts. shipt. of insulating rings from Wash. to Akron. Shipment order 12;14	
373545	12/3	To Cambridge.	Author. to purchase 3motors.	
37826	12/3	Inspr Curt.	Radio generator brackets. Rqst shipping instructions re disrosition of. W.	629

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AIRPLANES: RADIO:

Number.	Date.	From or To—	Subject.	
372531	11;25	Sims Copy 472	Generator will be shipped to W Div.	W
372573	11;26	Inspr Phila	Fwds letter from Aircraft Factory, recs that radio instal on C 1 and F 5 flying boats be discontinued. W	
371721	12;25	Shipment Order	Received back 1;11	
371720	11-25	To S&A	Rqst shipmt 18 transmitters Phila to Inspr Elizabeth,N.J., W received back 1;2	
371859	11-26	To International Radio Telegraph Co.,	Considers copper plating of the steel bolts for wing champs type satisfactory, W	
372284	5/29	War Dept.	Fwds description of radio set for airplane designed by Army.	898
38701	11/22	Insrp Akron.	Ask if Bu desires wireless installation of pusher dirigible, E-1	629

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
373078	11;26	Aircraft Factory	Conf tel conv rel to shipment of transmitters.	
373009	11;26	~~Aircraft Factory~~	Conf tel conv rel to transfer Carroll El 3rd C to New London also equip and experimental boat with radio. W	
373271	11;29	Bu Standard	Sub report of test of genl elec 2 kw ~~transm~~ pliatron sets. W	
373272	11;29	Bu Standard	Report of reception of genl elec tube transm. W	
373270	11;29	Bu Standard	Report of comparison of Magnavox and the Western Elec desk type transm.	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
371925	11;21	Aircraft Factory	Fwds radio instal report on aircraft.
371926	11;23	Inspr Phila	Aviation storage battery not in accordance with specification, fwds prints with comments W
371975	11;22	Post Office Dept	Req equip radio compass and transm for all of post office. W To--,above to be installed but charged to P.O.Dept., 11-27
372095	11;25	Inspr Curtiss Tel	Urgently requires 4 cranks for antenna reels spare cranks should be sup one to each four sets. To--,no cranks available at this time,11-27
371305	11-25	To Inspr Akron	Re accessory equipment for transmitters on dirigibles,W To GE,rqst copies of instructions and wiring diagram for base station tube transmitter,11-25

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918: AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
371672	11-23	To Inspr Akron (T)	Use for transmission six hundred meters only,W
371722	11-25	To S&A	Rqst shipmt radio apparatus Phila to Inspr College Point,W **Received back 1;2**
371726	11-25	To Dept	Comments re range of radio compass on aircraft,W
372175	11;25	Bu Standard	Received report on Sperry Airplane.
372382	11;9	Memo Conference	With rep of sig corps regarding amplifier for use in aircraft. W
372114 Old Number	4;30	To Ph	Instal of radio equip.

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Number.	Date.	From or To—	Subject.	
370497	11;16	Inspr Brooklyn	Fwds radio ship report week ending 16th.	
371355	11;15	C&R	Sub status of mfg of masts at G B Carpenter Co W	
371342	11;24	European Forces	In con with Lt Vaughan of Sig Corps securing patent of direction finder scheme devel by British Navy. W	
371473	11;20	N L Experiment Sta	Req generator and spare parts for wireless apparatus be installed H-16 seaplane 35-12 To NL,rqst batteries be charged,11-26	
371477	11;22	Bu Standard	Sub report of test of sig circuits rec. W Enclosed copy of rprt on test of type CE 937 airc radio receiver made at Naval Airc Radio Lab. 12/17	
370 694	11/17	Hampton Roads.	Radio equip for aircfaft, report of test for 375 meters GE U tubes transm. W. To---- Fwds 4 bprint copies re above 11-30	920

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
371613	11;21	Marconi Co	Copy of let to Inspr Brooklyn stating no sets will be shipped which do not have approved type of reels handled.	
370063	11/22	To Phila Via S&A	Rqsts that shipts of radio apparatus for air craft and ground radio stations abroad be discontinued. W. To NY, Via S&A, same info 11/22	876
369746	11-23	To Inspr College Pt	Fwds prints showing new reel mounting boards on seaplanes. W To Inspr Santa Barbara, same information 11-23 To Inspr Elizabeth same information 11-23 To Inspr Boeing, same information 11-23 To Inspr Greenwich, same information 11-23 To Inspr Curtiss, same information 11-23 To Insp. Buffalo. Satisf. to install reel boards. 12/3	
370720	11-22	To S&A	Rqst shipt radio apparatus Inspr Brook to Inspr Buff W received back 1;13	
370725	11-22	To Inspr Buff (T)	Rqst No. complete radio equipments needed equip planes W To Inspr Phila (T) same info 11-22	
		To---(T) Asks # compl. radio equipts needed 12/2 Inspr Curtiss- List additional material req. 12;3	Aircraft Factory-Radio instal complete on all boats 11;25	
371295	11-23	To S&A	Rqst shipt radio apparatus Wash to Buseng W	
371302	11-23	To S&A	Rqst shipt radio mat'l Inspr Brook to Goodyear Flying Field, W Received back 12;14	
371671	11/6	To H.Rds.Norf. Hampton Roads 12;30	Fwds. 4 sample propellers for test. To Hamp Rds- Cancels above 12-24 Hampton Roads- Fwds report.	

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[OVER.]

AIRPLANES RADIO.

Number.	Date.	From or To—	Subject.	
368692	11/16	To Inspr Keyport.	Propellers for wireless generator and HS propellers for Alexandria Aircraft? Lang DA. 736-6	
369736	11-23	To Dept, Comm	Rqst inform re antenna supported by Kite Balloon W	
369801	12;23	Inspr Brooklyn	Transm will be shipped to Pensacola.	
370211	None	C&R	Will develop balloon to support radio antenna on water in place of radio masts now used. W	
370196	11;14	Hampton Roads	Waive length for Emergency antenna on standard airplane waive be made longer and 375 meters. W To--,fwds three blue prints, 11-27	
370314	11;15	Hampton Roads	Sub report of test of GE Co radio meters. W To H.Rds. Fwds. blueprint copies as reqtd. 12-10	
370373	11;18	T T Hoopes	Sub weekly report of aircraft radio apparatus W To Chatham, rqst for sample antenna weight 11-23 Chatham-Fwds weekly report . 11;25	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
370467	11;16	T T Hoopes	Req infor as to work done in con with transm from seaplane. W To Chatham re radio transmission from seaplanes on water, 11-23	
370497	11-21	To Inspr Brook	Re truck not available for shipt of radio W	
370686	11;17	Hampton Roads	Radio tel for aircraft, report of test between F-5 W To---- Fwds bprints re above 11-30	
370725	11;23	Inspr Curtiss	List material required. Tel To Inspr Phila- Regts that 5 F-5-L flying boats be equipped with usual type SE1100 -SE 950 insulation-2 experimental flying boats not to be equipped with rado 12-2	
370896	11;20	Bu Standard	Fwds memo for use in conference on waive length for aircraft. W	
370768	11;17	Hampton Roads	Sub report on aircraft. W To--,acknl report on radio compass,11-25 To ---- Fwds 4 bprint copies re above 11-30	
369739	11-20	To Aircraft Akron,	Representative Buseng will arrive Thursday morning from Washington, in connection with radio installation on aircraft, W	

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[OVER.]

AIRPLANES: RADIO:

Number.	Date.	From or To—	Subject.
369647	11;14	Inspr Brooklyn	Antenna reels, fwds sample of handle tried out, at Rockaway Beach, faulty. W To Inspr Brook, sample reel handle approved 11-18
369940	11;14	Pens To Pensa--Grants auth for dismantling of 7 incomplete radio transmitters. 1/9	Asks if instal of sims transm is authorized and what type of aircraft. To----- Installn of aircraft transmitters type CE615 not authorized 11-20 Pensacola-Report of transmitters in stock. 12;31 Pensacola- 12;31
369150	11-18	To EJ Simon, NY	Re Visit of EJ Oxmer to Pensa; states permission must be obtained from Bureau in all cases W E J Simon-States visit to Pens was purely for purpose of offering assistance. 11;26
369151	11-18	To CO's	Re visits of contractors to air stations: No visits without permission of bureau W
369727 see 362977	11-18	To Inspr Phila	Rqst weekly reports of aircraft install W Inspr Phila-Fwds weekly report. 1;21 Inspr Phila- Submits report 1;28
369660	11;15	Gunner F E Dunklee	Sub serial number of radio sets instal on H-2 boat to date.

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
369801	11;14	Dept	Will furnish eight army type spark coils transm boxes to be shipped to inspr Brooklyn. To Inspr Brook- Asks to be informed when above will be delivered to Pensacola 12-21
369959	11;14	Sims Copy 9638	Rec adoption of all standard radio transm sets for all types of airplanes based on exp with British and ~~furnished~~ French, with spec as listed. W
370125	11;16	Aircraft Factory	Conf tel conv relative to Aircraft Factory to expect ship of tubes in two or three days req number of bolts shipped from Aircraft fac 10;15 to 11;15 W
368332	11-16	To Cape May See Cond 91	re install of apparatus on twin-engine dirigible to be erected at Cape May W
368689	11-15	To S&A	Rqst shipt radio mat'l Hampton Roads Bureau of Standards W
368960	11-16	To Dept, Via Commun	Rqst status of US Naval Radio Stations for radio communication with aircraft, comments W To N.O. via 8th Dist. Comments re above 11-27 Received back - 1;27 Fwd Secy of Navy 2/7

AIRPLANES; RADIO 1918

Number.	Date.	From or To—	Subject.	
367187	11-12	To S&A	Rqst shipt radio apparatus Wash to Inspr Phila W To S&A Reqts cancellation of above 1-31	
367186	11-11	To S&A	Rqst shipt radio apparatus Inspr GE to Inspr Phila W R B 3/6	
367185	1-27	To S&A	Reqts that shipmt order 11-11th from Bost to Phila for 125 vacuum tubes be cancelled W	
367585	11/13	Comdr Smead.	Fwds copy of report on radio matrl submitted by radio officer in France- DA.	736-9
368317	11-~~14~~ 14	To S&A	Rqst shipt radio apparatus Wash to Inspr Ohio W	
368323	11-14	To S&A	Rqst shipt radio apparatus Gloucester to Inspr Ohio W Gloucester-Req copy of ship order. W 11;25	
368332	11-15	To Montauk L I, NY	Re install of apparatus on twin-engine dirigible to be erected at Montauk, comments W	
368322	11;24	4th Dist	Fwd Radio set received 11;28	
369268	11;14 11;15	Aircraft Factory Inspr Phila	Decometer used in connection with Marconi transm, fwds sketch of terminal block and sub comments on nec changes. W To Inspr Phila, install approved ~~11-19~~	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
369269	11;14	Aircraft Factory	Conf tel conver asking if shipment of pliatron tubes had been made to make up shortage.	
369207	11;14	Dept	Copy of letter to E.J Simon Co in con with dif of Simon set ~~prices~~ from spec. W	
369494	11;16	Dept	Mod instruc of Sept 21 rel transm tubes in radio set for H-16 and F 5 flying boats may be omitted.	
369504	11;16	C&R	F-5 flying boat directing further ground in con with radio tel. W	
369355	10;23	Aircraft Factory	Instal of radio on aircraft, additional report W.	

AIRPLANES: RADIO 1918

Number.	Date.	From or To—	Subject.	
366764	11/6	Phila Airc Facty	F-5-L seaplanes- Radio report- Fwds prints of design suggested by Lt. Col. Porte R AE-DA.	736
368746	12;10	Inspr Keyport	Fwds drawings. W	
367844	11;7	Hampton Roads	Fwds report of test on transm for airplane. W	
367180	12;20	Shipment Order	Received back.	
367979	11;9 11;7	Marconi Co Inspr Brocklyn	Fwds report on gas engine and generator received from Copley Mfg Co for use in flying boat set	
367181	12;11	Shipment order	Received back 12;21	
368595	11;5	G A Allen	Outline of ship and shore radio compass sit and decision to be reached, at conference, on 11;16	
368531	11;11	Marion	Fwds report of aircraft radio apparatus. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
368286	11;8	Marconi Co	Copy of letter to Ensign P Greene sub report of test Ind motor cycle directly coupled to Crocker Wheeler generator for use in flying boats.	
365616	11/12	To Operations.	Re type allow. list for maintenance of airc. at shore station. Rockaway-Req material be fwd under special allotment. 1;7	
367160	11/11	To S&A	Reqts. shipt. of radio transmitters from Brook. to Buffalo .	
367183	11/11	To S&A	Reqts. shipt. of receivers from Wash. to & for Buffalo RB 3;28	
367184	11/11	To S&A	Reqts. shipt. of rad.transmitters from Brook. to Phila. for Airc.Fcty. To S&A req shipment from Brook to Phila radio telg material 2-4 To Inspr Brook- Rqst modify shpmt rqst to read 75 instead of 61 transmitters- 2/18	
368601	11;13	Farrand Elez	Order for American Platinum Works. To Marconi Co, comments on wire 11-16 To Amer.Plt.Wks. Asks status of ord.#27109.12-6 American Plt Wks- Wire shipped to 11;18	
367932	11-13	To Wash	Lead-out insulators for use in connection with experiments on dirigible, W	

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
365704	10;29	Aircraft Factory	Motors and supply lugs on transmitters and change in length of lathes. DA	
365564	10;29	Aircraft Factory	Sub status of instal work of radio apparatus on boats listed.	
365980	10;24	Crocker Wheeler Co	Report of mfg on shipment of meters. W Inspr Crocker Wheeler- Reduction on schedule. 2;11 Crocker Wheeler Co- 2;25	
347337	11-2	SEE CARD #78	To CO's Air Stas, Authorizes amendment of tool allowance W	
365610	11-7	To Dept	Re transfer of radio from Hampton Rds to Anacostia, DC W	
365615	11-7	To S&A	Rqst shipt radio apparatus Hampton Rds to Bureau of Stands, W RB 11-15th	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
366624	11;5	Aircraft Factory	Conf tel conv req release of battery from Glucester for use H-16 flying boats for New London.	
365616	1;18	To Naval Air Station	Enclosures not received, regarding special allotment. Received back 1;23	
366635	11;1	Rockaway	Sub report on radio apparatus installed on dirigible 4118	
366653	11;5	Cutting & Washington	Matter in con with radio transm still remaining unsettled, lists and req bureau action. W	
366927	11:2	Hampton Roads	Fwds blue prints covering capacity and reports on progress on radio compass boilers Cross to 919	
366928	11-15	Hampton Roads	To Hampton Rds re compass coils, 11-23 test of West Elec phone set between planes W	
366525	11-8	To Norf	Install photographs on types H-16 and F-5L Flying Boats Fwds illustrations W	
365013	11/6	To S&A	Rqst shipment from Boston to Phila Radio Apparatus.	736-9
366355	11/5	Phila	Comfns phone convsn rqstg calbe an lugs for 5 KW arc sets for Pauillac be assembled W	736-9

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
365088	11;1	Crocker Wheeler Co	Fwds report of mfg and shipment of generators. W	
364948	11;1	GE Co	Rec do not accept tubes Tel	
364507	11;1	Crocker Wheeler Co	Fwds terminal lugs sub for approval for use in air plant, rod Gen. W To--Comments on letter 11-21	
293845	SEE CARD 42		To Sims, Fwds 3 copies of montly report progress summary of radio material for aircraft W	
365002	11-4	To Dept (aviation)	Recty that type HS-2 flying boat be assigned to Anacostia Fwd Dept, 11-29	W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
365474	11;2	Inspr Brooklyn	Fwds letter from C B Fuller Naval Aircraft Factory req pamphlet for flying boat. W
365472	11;2	C&R 726-45	Copy of letter to Toronto stating additional connecting wire on F-5 boat to be dispensed with. To----Encl. 6 copies of blueprints 11/12
365728	None	Phila	14 men at Naval Aircraft Factory for instal of wireless apparatus for airplane, comment on closer cooperation between men and officers.
365786	10;28	Ensign Esterly	Instal of radio apparatus on dirgible 4118 submits report of.

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
3574 00	10-29	To NY	RE Bu let of 10-14th- item 144 is a split procelain insulator having two groves to take No 10 to No 14 wire C V Knox-Copy of let to NY, ~~req-status-of-material--2;20~~ lists items not rec. 2;20	W
363673	10-31	To C&R-	Reqts that Supt Contr of aircraft be instructed to authorized the installn of assigned radio app in FB type dirigible at Akron	W
364496	10;28	Rockaway	Req information readvising use of bridle wire as counterpoise for Simon ~~generater~~ transm.	
364542	10;26 10;30 10;30	New London Exp Sta Exp Station C&R	Should be equipped with standard radio set in order to carry out work.	
364550	10;30	Inspr Brooklyn	Report has not been made on test of gasoline engine generator set. W	
364223	11-2nd	To GE	Reqts remedy to report that about 35% of CG916 are being passed due to ring holding the plates in place becoming softened by heat durin g insptn	W
363968	11;23	Hampton Roads	Sub further report. W	
363964	12-10	To H.Rds.	Fwds. 3 blueprint copies as reqtd.	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
364675	10;31	Aircraft Factory	Fwd copy of British general, instruc cov mfg of counterpoise system of flying boats. W	
364758	10;31	Crocker Wheeler Co	Report on mfg and shipment of airplanes generators. W	
364963	10;31	C&R	Copy of letter to stations stating instal of radio material on H-S boat will be made at plant of Curtiss Co until personnel can be trained. W	
364193	11-2	To Rockaway Beach	RE measurement of antenna and counter-oise constants on dirigible A-4118.	W
364725	11-2	To Hamp Rds	Authority granted to purchase in open market 25 12 volt 40 apere hour storage batteries	W
364726	11-2	To Hamp Rds See Card 101	Reqts that sample 1/2 KW aircraft radio transmitter serial No 227 be tested -was fwded Nov 1st via Ens M.H.Esterly Hampton Roads - 11;12	W
	Hamp Rds 11-17	Report of test of Simon 1/2 KW Transmitter set		
To Hampton Roads re test of transmitter				
368536	10/31	To S&A 11-23	Reqts. shipt. from Wash to Paulliac Radio Apparatus	736

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
362971	10-29	To Wash	Asks that design be made of an aircraft radio compass control panel as illustrated To Gloucester,	W
362972	10-29	To Gloucester	Gives duties contemplated for radio section of storehouse Aircraft Factory- Submits report. W To Gloucester, re modified plans, 11-25	W
362974	10-30	To S&A NY-Shipmt will go fwd within a few days. 6;28	Reqts shipmt from NY to Suffield Ohio radio materrial as listed To NY- Asks status of above shipmt 12-14 C V Knox-Copy of let to NY req status of material. 2;20	W
362985	10-30	To Centruy Phone Constn Co-	Copies re drawings for flame-proof airplane radio key to be obtained from Cutting & Washington Inc	W
363694	10-30	To Hamp Rds-	Reqts that tests of aircraft radio transmitter type CG 1410 from GE	W
364351	10;31	Toronto Ensign Anthony	Tel- Sub report on status of radio instal on first boat will be started.	
364226	10;29	Marconi Co	Report of deliv of four airplanes instruc books to Ensign Sandenwater. W	
357400	11-1	To N Y	Item 3 of Bu let of 10-14th is a porcelain socket or receptacle for cleat work, keyless with holes for supplying screws on the outside Shipt order 10/14, RB 1/19/20	W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
364219	10;29	Crocker Wheeler Co	Fwds report on 1/2 kw airplane generators. W	
364218	10;30	Crocker Wheeler Co	Fwds report of 1/2 kw airplane generators. W	
363018	10;28	Inspr Curtiss	Conf tel conv rel to status of radio installed on H-2 plane W	
364151	10;30	Inspr Brooklyn	Conf tel cover relative to signing of invoice of E J Simon Co. W	
363702	11;1	Inspr Akron	Req conf of instruc to instal of radio apparatus on dirigible 4019 W	
318197	SEE CARD 73 To Rockaway - Asks plan of installn of aircft radio transmitter in pilots cockpit 1-13 Pensacola-Weekly report 1;11 Key West- Weekly report - 1;13 San Diego-Weekly report 1;13 Rockaway-Fwds weekly rep. 1;25 San Diego-Submits report 1;27 To Chatham- Bu permits installn of radio compass- 2/18 4th district 3/1		To Cutting and Washington Asks that cooling [illegible] switches be protected from corrosion 10-28 To Pensacola - reqts that Bu let of 9-30th RE weekly report of radio app for aircraft be submitted 11-1 To Miami ditto 11-1 To Rockaway ditto 11-1 To Hamp Rds ditto 11-1 Miami - Sub report 11.2 To Rockaway re apparatus install 11-16 Key West-Weekly report 12;30 no source 2/17 monthly report -	L

To Card 124

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
361165	10-28	To Crocker-Wheeler Co	1/2AER airplane generators should be known as type CB935 instead of 955	W
361169	10-28	To Crocker - Wheeler Co	- Askk statement of shipmts of AER airplane generators since 10-15th	W
361921	10-29	To Depat (Avi) via C&R	RE equipping HS seaplannes with radio equipmt	W
361961	10-26	To Inspr Curtiss (T)	Desires immediate installn of radio app in all flying boats manfd at Canadian airplane factory	W
361965	10-28	To (Inspr Brook) S&A	Reqts shipmt from Brook to Phila 50 insulators Received back 12;21	W
362775	10-28	To S&A	Reqts shipmt from Gloucester to Suffield 12 antennae reels To Gloucester rqst tracing of shipt 11-16 Received back 11;20 ~~Shipment order received back 11;29~~	W
362980	10-30	To Dept (Avi)	Fwds report on operation of radio app on twin- engine dirigible from akron to Rockaway	W
363734	10-28	Inspr Curtiss	Confirms telephone conversation in connection with number of spare pliatrons to be included with F-5 shipmts also spare storage batteries etc	W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
363353	10;28	Crocker Wheeler Co	Sub report of mfg and ship of seaplane generators. W	
362443	10;26	Sims Copy 804	Req immediate shipment of wire with copper brade for radio tel sets. W	
357702	SEE CARD & 76		To Crocker-Wheeler Co-Drawings re let of 10-28th delivered to Mr Bunker-Iron straps for mountings obtained from International Radio telegraph Co Brook	W
361167	10-30	To C&R	Trailing wire antenna not satisfactory for 3 reasons given- To C&R Rqst radio antenna be located inside envelope on all class "D" dirigibles- 2/8	W
361170	10-28	To S&A	Reqts shipmt from GE to Ch Elec Runyon for personal trans to Akron- 2 vacuum transmitting tubes	W
361966	10-28	To S&A	Reqts shipmt from Brook to Curtiss- 50 lead-in insulators To S&A Rqst shipt radio mat'l Inspr Brook to Inspr Phila 11-5	W
362774	10-28	To S&A	Reqts shipmt from Wash to Suffield Ohio Radio material as listed	W
362777	10-28	To S&A	Reqts shipmt from Bostto Suffield Ohio 2 vacuum transmitting tubes Received back 1;30	W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
362588	10;25	Inspr Keyport	Report changes nec for radio instal on H-15A flying boats. W	
362623	11-18	To San Diego	re Stand tool allow list, Fwds info W	
362559	10;25	Croker Wheeler Co	Fwds report 1/2 kw airplane generator.	W
362933	10;25	Marconi Co	Will ship two broken pliatrons for test on boat set on GE Co. To S&A Rects shipmt from Bost Marconi Wireless Co- Radio material for 10-30	
362938	10;26	Crocker Wheeler Co	Report on production and shipment of seaplanes generators. W	
362832	10;25	Rockaway	Impossiblw to make new test on dirigibles	4118

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
362985	10;25	Century Tel Cons Co	Cutting & Washington Co req quotations covering flame proof airplane key. W
360421	10/23	To Montauk	Gives shipt. dates of wire.
360423	10/23	To H.Rds.	Re tests of apparatus for Flying Boats. Hampton Roads-Fwds report on test of GE transm. 10;28 To--- Fwds. 3 blueprints 11/12
360654	10/23	To Inter. R.Tel.Co.	Recom. modifications listed.
361199	10/25	To S&A	Reqts. shipt. of radio transmitters from Schenectedyto & for C.Elec. Runyon. Shipment back 12;6
361949	10/26	To GE Co.	Asks date on which sample transmitter can be submitted for test 10/26 To--- GE-Asks if shall make further devel of set. 2;11
361960	10/26	To Chatham	States one of rad.comp.rec'rs is to be used for shore sta. reception of airc.signals.
354689	SEE CARD	75 To [illegible]	To Inspr Bost- Steps being taken to improve defects in aircraft antenna reels W Inspr Curtiss 11;19 ToS&A req cancellation of SO 1-15 3-25 RB 3;27 Shipment order of 3;25 RB 4;14 canceled. Inspr Brooklyn- 4;18 To Inspr Brook- letter of 4-18 So canc by So 3-25- 4-23

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
360644	10-23	To S&A	Reqts shipmt from Washington to Phila material for installn on aircraft To S&A req ship from Washn to Keyport radio material 2-4 To S&A amend of SO of 2/4 8/20	W
357401	10-23	To S&A	Reqts shipmt from Brook to Gloucester 60 lead out insulators To S&A Reqts. shipt. of insulators from Brook. to & for Gloucester 10/25 S&A- Shipment order of 10;23 and 25th canceled. W 3;31	W
360651	10-23	To S&A	Reqts shipmt from Washington to Curtiss material for installn in aircraft	W
361171	10-24	To Hamp Rds	Aviation radio compass-asks info re suitability of features - Briti sh spark transmitters	W
361172	10-24	To 4th Dist	Asks of experiments concerning difference between spark ane arc transmission Fourth Dist-Fwds report 11;9 To 4th Dist. Rqst reports on operation of radiocompass using spark and arc transmission 11-23	W
362253	10;24	Aircraft Factory	Fwds tabulated weights of radio apparatus for H-16 and F-5 boats.	
357245	10/21	To Phila	Rqsts sample fo Radio Shutter 10/21 Aurcraft Facty 10/23	736

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
357702	10-25	To Crocker-Wheeler Co	Gives modifications to be adopted in aircraft radio generators- type CR 935 Crocker-Wheeler rqsts dwgs 10-28 W	W
360061	10-25	To Marconi Wireless Co-	Approves No 1 hank line fur use with flying boat transmitters	W
360657	10-23	To Sims (T)	Reply reqted immediately whether recd no more aircraft spark sets be pruchased or whether sufficient No be purchased to equip planes until continous wave apparatus available Awards awaiting reply To Sims. (T) Asks recom. on purchase on airc. spark sets 10/23	W
361948	10-25	To Hamp Rds-	Fwds copy of Div W Bu SE memo 10-24th to DA	W
361953	10-26	To Sims-	Reqts that officers sent to Europe especially trained for radio duty remain on their assignments	W
362550	10;25	Aircraft Factory	Storehouse at Gloucester, reports on conference and req infor as to amount of test repairs and storing of radio apparatus to be done at storehouse.	

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[OVER.]

AIRPLANES : RADIO

Number.	Date.	From or To—	Subject.	
361373	10/23	C&R	Twin engine ships excess of weight of wir eless outfit over estimated - weight submits To C&R- In re above 10-28	
361333	10/22	Crocker Wheeler Co.	Report of manufactur and shipment of airplane generators W	
362122	10-24	Communications	No radio signals intercepted from the dir igible which passed thru Wash for Rockaway Beach on Oct 22nd Fwd Director Nav Comm 10-31	
362126	10-24	Crocker-Wheeler	Fwds report on 1/42 KW aurplane generators	W
362176	10-	Aircraft Factory	H-16 and F-5 Flying boats- counterpois system Fwds report on experiments togethrwith prints	W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
361704	10;23	Aircraft Factory	Radio apparatus for H - 15 and F - 5 boats, fwds tabulated weights and copy of instruc book cut. W	
361825	10;24	Cutting & Washington	Asks name and address of mfg of lead in insulator. To----Gives list of firms manfg. insulators 10/26	
361871	10;23	Aircraft Factory	Desirable to ship with each bolt leaving factory copy of radio instruc book, req same be furnished. W To Phila- Copy of above book supplied with each transmitter SE1100 as shipped to	10-28
361924	10;19 10;24	Dept C&R	Req bureau instal radio sets on all H-S seaplanes.	
362049	10;23	Crocker Wheeler Co	Sub list report of mfg and shipment of generators. W	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
360903	10/21	Crocker Wheeler Co.	Submits report of manufacture and shipments of airplane generators W
360651	11;23;18	TO S&A	RB 3;28;19
356789	10;11	Aircraft Factory	Ground wire and material parts for seaplane, no instructions received. W
356850	10;7	Chatham	Seaplane radio transmitter, sub report of improvement.
356833	10;7	Marconi Co	Radio transmitter, advises to add small condenser connected across radio frequency showing coils.
~~356826~~	10;8	Crocker Wheeler Co WRONG ENTRY	Fwds photo showing construc of high voltage lab at Palo Alto Factory.

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
356826	10 8	Crocker Wheeler Co	Reports of mfg and shipment of airplanes generators. W
357702	11-18	To Crocker-Wheeler Co	Ornamental iron mounting strap no more obtainable, W
325121		FROM CARD 60	Montawk Oct. 17 Submits weekly report Montawk-Submits report 11:13 To Montauk, re aircraft radio apparatus 11-18
357669	10-21	Fwd S&A	Re shipt radio apparatus to Curtiss, W
361124	10/22	Anthony Buffalo	Telegram requesting routing of reels and generator wing mountains so shipment may be traced W
361094	10/22	C&R	Copy of letter to Aircraft Factory stating one radio mast will be shipped with every flying boat in which radio apparatus is installed
361165	10;30	Crocker Wheeler Co	Old Number

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
359380	10-19	To Dept (Avi)	Gives status of radio aircraft development W	
359703	10-19	To Inspr Brook	Conf phone-Reqts that no further type SE 1100 aircraft radio transmitters be shipped from Marconi Co to points other than aircraft factories W	
359795	10/16	Cutting& Washington To	Reports on improvement facilities for producing airplane radio apparatus Cutting & Washington- Lists modifications in type CP 1110 transmitter 10-24 To ---- Assigns correct No to above unit 10-28	
359548	10/14	Inspr. Curtis	Reports that 37 Cutting & Washington sets were sent to Supt. Construction instead of Inspr. Confirms telephone conversation in connection with various radio equipment	
359759	10/18	Fourth Dist.	Fwds various radiograms report airplane radio messages interpreted by Cape May radio Station 4th Dist. Oct. 18 Fwds additional radiograms W	
356443	10/19	L.W.Austin	Recommends reimbursement of Chief Elec. G. H. Nicholson for use of automobile	916

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Number.	Date.	From or To—	Subject.	
359703	10/16	Inspr. Brooklyn	Requests confirmation of telephone conversation stating that no S.E. 100 sets will be shipped out from Marconi Co. to other than aircraft factories	L
357303			Copy of indorsements to Dept. giving action	W
360061	10/15	Marconi Co.	Fwds sample of #1 Hank line to be used as length between railing drum and antennae wire	W
360301	10/17 Akron- 12;5	Akron Aviation detachment	Request radio set of dirigible type be furnished for inspection purposes. To Akron. Re shipt of keys 11-8 To S&A Rqst shipt radio mat'l Wash to Akron 11-12 Akron Aviation Deatachment-Req. cancel for shipment order 12;3 Fwd. Wash. 12-5 To S&A Reqts. cancel. shipt.Ord.of 11/12. 12-5	
360399	10/19	Crocker Wheeler Co.	Submits report of manufacture of shipment of airplane generators	
360610	10/19	Sadenwater	Reports on shortage radio apparatus on flying boats	
360421		See CARD 84		

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
358747	10/9	Warehouse Improvement Co.	S&A Oct. 15. Submits information in connection with facilities of form for manufacturing radio apparatus and reasons why Navy should place orders with them	W
357212	10-17	To S&	Reqtw shipmt from Bost to Curtiss 40 type vacuum transmitting tubes Received back 12;5	W
357579	10-17	To Western Elec Co	Does not desire further changes in C.W.1058 airplane radio sets than those now under construction for the Signal Corps	W
358797	10-17	To Nav via Dept (Avi)	Gives radio examination for Pilots before obtaining Commission Memo - 916	W
357870	1;24	NY	Req be authorized to undertake radio rooms on destroyers. 1;24	
359909	10/14	Inspr. Curtis	Confirms telephone conversation in connection with radio apparatus and installation of	W
359255	10-18	To (T) Sims-	Det in re to present plan to equip all HS planes- W-	
360600	10/18	Inspr Curtiss	Confms phone convrs re to status of radio apparatus for airplanse submits recommendations DA	736
359655	10/19	Hamp Rds.	Rqst that West Elec Co 100 mile airplane set from Western Elec Co be tested. W.	903

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
359235	10/16	Copy (Sims)	Copy H-S-12 Plans request use continuous wave radio - Recommends no contracts be place for sparking apparatus Sims-Copy 8157 Req that radio apparatus be expidited, can obtain for France in about 2 mo. 10;27 To Dept-(Avi)- Reqts cable be sent Sims re spark sets as listed 10-31	
359221	10/16	Bay Shore	Weekly report of installation of aircraft radio apparatus W	
359530	10/14	Hampton Roads	Aircraft Radio sets - fwds installation prints	
357211	10-17	To S&A	Reqts shipmt from Bost to Phila 160 vacuum transmitting sets To S&A Amends above 1-27	W
357213	10-17 of above tubes 1-13 To S&A Amends above 1-27 S&A-Returns shipment order 1;27	To S&A	Reqts shipmt from Bost to Garden City 40 vacuum transmitting sets To Inspr Curtiss Garden City- Asks disposition Shipment Order - 2:8 RB 2:11	W
357210	10-17	To S&A	Reqts shipmt from Brook to Akron 10 type Flying boat radio transmitters	W
359163	10-18	To S&A	Reqts shipmt from Bost to Curtiss 35 radio transmitters	W

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
357204	11-7	To S&A	Rqst shipt radio apparatus Inspr Curtiss to Inspr Buff W Ship order rec back 12;18 Shipment order received back 12;21	
347337	11;4	San Diego SEE ORIGINAL 78	Req radio material listed be fwd. To Chatham. Fwds. copy of ref.(b) let of 10/5. 11/12 To San Diego, authorized tool allow 11-13 To Brunswick GA, Authorized tool allow 11-13 To San Diego, re aircraft radio mat'l 11-18 To Chatham- Fwds copy of Bu let of -9-17th 12-28	
357206	12;28	Shipment order	Received back.	
357203	1-27	To S&A	Reqts shipmt order of 10-14th from Bost to Curtiss vacuum tubes - amended	W
357212	1-27	To S&A	Reqts shipmt order from Bost to Curtiss of 10-17th for vacuum tubes be canceld Shipment order back 2;5	W

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Number.	Date.	From or To—	Subject.	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
356708	10-14	To S&A	Reqts shipmt from GE to MIT for aviation detatchment-2 radio transmitters	W
356833	10-15	To Marconi Wireless Co-	RE addition small fixed condenser to Flying boat raio transmitters-will carry smae type No-type SE 1100	W
357009	10-14	To S&A	Reqts shipmt from Wash to Akron- for Goodyear Flying Field- 1 charging panel	W
357203	10-14	To S&A	Reqts shipmt from Bost to Curtiss 60 vacuum transmitting tubes	W
357400	10-14v	To S&A	Reqts shipmt from NY to Akron-radio material NY-Infor-re shipmt of material. 7;24	W
357412	10-15	To Dept Aviation	RE weights of radio telegraph for aircraft	W
358237	10/12	Crocker Wheeler Co.	Submits report of shipment generators for air plane sets	W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
347337	SEE CARD 70		To Montauk- Complete tool allowance being shipped	W
357205	10-16	To S&A	Reqts shipmt from Bost to Akron4 0 Vacuum Vacuum transmitting tubes	W
357207	10-16	To S&A	Reqts shipmt from Brook to Curtiss 25 Flying boat radio transmitters	W
357208	10-16	To S&A	Reqts shipmt from Brook to Phila 5 0 Flying boat radio transmitters	W
357202	Io-14	To S&A	Reqts shipmt from Bost to Phila 40 vacuum transmitting tubes	W
357702	10-15	To Crocker - Wheeler Co-	Reqts modifications listed be given consideration re aircarft radio generators	W
357366	10/14	Copley Mfg. Co.		
358576	Io/14	Crocker Wheeler Co.	Report on shipment of manufacture of air plane generators	W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
356710	10-10	To C&R	Specirications for install of radio W	
356789	10-11	Fwd C&R	re ground wires and metal parts in seaplanes W	
356850	To CO	Chatham 10-11	Rqst report on improvement in radio transmitting set W Chatham Oct. 20 Weekly report To Chatham- 8 transmitters already at the Sta ation- No other sets will be shipped 10-29 Fwd. Chatham 11/11	
357307	10-11	To Cutting& Washington	Authorizing to be present at test to be Conducted at at Radio Laboratory, W Shipment order back 12;20	
354026	SEE CARD 73		Phone sets for Training Planes will be assigned to Inspr Burgess within the next three weks L To Hamp Rds- Fwds report of test of various types of seaplane phone sets-attention anyited to merits of the Port-O-Phone seaplane set 10-14 To Inspr Bost- In re above distribution of 10-30 To Inspr Bost- RE delry and insta ln of Seaplana interphone sets 11-9	
358571	10/10 casting and straps -will included in new type No which will be assigned to this generator 10-16	Croker Wheeler Co.	Request instructions in connection with new type of mending to be used on air plans generators W To------ New form mounting including base	
342681	SEE CARD 68		To Marconi Co- Asks that borken pliotrons be reshipped to GE- Asks additional No required W To S&A- Asks status of shipmts reqts of radio apparatus as listed 10-14 To S & A Oct. 11 ~~Respectx~~ back 18	10-15

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
358579	10/10	Western Electric Co.	Request information in detail as to just what changes are recommended for airplane radio telephone sets W West Elec Co-Contract 39259, changes to be made, fwds prints. W 12:2 To--,comments re changes,12-11	
358834	10/10	Croker Wheeler Co.	Report of production and shipments of airplane generators	W
358905	10/10	International R.T.Co.	Calls attention to surplus material on hand submitting quotation covering W	
358965	10/11	Crocker Wheeler Co.	Submits schedule of deliveries of generators which company will draw to make to endeavor to expedite delivery W	
358000	10/11	Crocker Wheeler Co.	Report of shipment of airplane generators	
362466	10/24	Airc Facty	Fwds list of electricians on duty at Airc Facty installing radio apparatus on flying bts.W 736-8	

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
347998	10;3	Wireless Specialty Co	Req immediate action.
356380	10;7	West Elec Co	Fwds modified type of airplanes microphone standardize by Sig Corps, asks of any interest to them W
356359	10;7	C&R	Copy of letter to Inspr Garden City in connection with radio grounding of H-16 wing surface. W
355998	10/8	To WE Martin (T)	Wash. fwdg. today remaining drawings rec'rs.
356005	10/8	To Amer. Rad. &R.Lab.	States that on 10/7 remaining airc. an. reel was del. to Lt. Reed.
356473	10-9	To Norf	Rqst design of radio helmet designed by Radio Laboratory W Hamptonroads Oct. 20 Request blue prints be forwarded To Hampton Rds comments on above equip 11-8

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
354146	10/4	To S&A	Reqts. shipt. of radio apparatus from Wash. to Gloucester for Airc.Storehouse.
354689	10/4	To S&A	Reqts. shipt. of radio material from Brook. to & for Gallaudet Airc.Co. R.B. 19th
SEE CARD 84	2 sheets 1set bprints 10-17 Inspr. Gallaudet Oct. 14 Request disposition of material		Inspr. Mass/ Oct. 11 Request instructions To Inspr Bost- Fwds drawing RE71F 137A,
354690	10/4	To S&A	Reqts. shipt. of radio material from Brook. to & for Standard Airc.Cor. R. B. 19 To Inspr Buff,re mat'l shipped,11-25
354691	10/4	To S&A	Reqts. shipt. of radio material from Brook. toCollege Pt. for Engineeting Co.
To S&A Rqst amending of shipt rqst 11-18 Shipment order of 11;7 back 11;27 Shipment order of 16 received back12;5			Shipment order Oct. 4 R. B. 11 To S&A Rqst shipt radio mat'l Inspr College Pt to Inspr Buff 11-7
354950	10/4	To C&R	Fwds. instruction book. To Curtiss. Fwds. instruction book. 10/5 To Chatham Fwds. instruction books. 10/5
355270	10/5	To Gloucester	Re transfer of enlisted men for installation work.
355275	10/5	To Wash.	Re development of apparatus ~~from~~ for use of wave length of 600 meters with radio compass for Aircraft.
355698	10/5	To Inter.Rad.Tel.Co. (T)	Asks to place ord. immed. for antenna wire & advise B.of order #. To John Roebling's Son. Desired that preparations be made to manf. wire as stated 10/7 J.A.Roblings Sons Co. Oct. 11 To J.A.Robelings Sons- Order placed with another concern 10-28

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
355938	10;4	Crocker Wheeler Co	Sub report of status of mfg and ship of airplanes generators sets. W
355698	10;1	Internation R T Co	Firms listed have been req to give prices on cylicon bronze wire. W
356101	10;5	Crocker Wheeler Co	Sub report on production and shipment of airplanes generators.
355846	10;6	Sims Copy 6247	Sig Corps searchlight, req two high power radio transm sets, sug army send messenger with W to Operations req. cable be sent to Sims in re delivery of type SE 1100 transmitters to Capt. Clatt to Paris.
356205	10;5	Lt R A Lovender	Submits report of visit to radio organization in Europe. W

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[OVER.]

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
355938	10;4	Crocker Wheeler Co	Sub report of status of mfg and ship of airplanes generators sets. W
355698	10;1	Internation R T Co	Firms listed have been req to give prices on cylicon bronze wire. W
356101	10;5	Crocker Wheeler Co	Sub report on production and shipment of airplanes generators.
355846	10;6	Sims Copy 6247	Sig Corps searchlight, req two high power radio transm sets, sug army send messenger with W to Operations req. cable be sent to Sims in re delivery of type SE 1100 transmitters to Capt. Clatt to Paris.
356205	10;5	Lt R A Lovender	Submits report of visit to radio organization in Europe. W

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
353430	10-1	To S&A	Rqst shipmt radio apparatus Wash to Phila W
353431	~~10~~ 9-30	To S&A	Rqst shipmt radio apparatus Inspr Brook to Curtiss. W Inspr. Curtis Oct. 17 Request do not consign material to Supt. of Construction To Inspr Buffalo- Lists radio material to be shipped Curtiss- 11-1
353433	10-2	To S&A	Rqst shipmt radio apparatus Wash to Curtiss W Inspr. Curtis Oct. 17
354904	10;1	Crocker Wheeler	Gives list of motor generators for airplane in excess of order received. W
354894	10;1	Hampton Roads	Sug mod to antenna insulator, fit for flying boat. W
353432	10/1	To S&A	Reqts. shipt. of radio apparatus from Schenectady to & for Curtiss. Inspr. Curtis Oct. 17
354471	10/3	To C&R	Fwds. plan of Airc. Transmit Equipt. W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
354479	10/3	To Curtiss	Fwds. blueprints for Aircraft. Rad. Transmitting Equipt.
	To Inspr	College Pt 10-23 Fwds prints	To Inspr Laugheed Air Corp - Fwds prints 10-25
	To Inspr	Elizabeth NJ ditto 10-25	To Inspr E. Greenwich- Fwds Prints 10-25
354470	10-3	To Norf	Rqst list of officers and men attached to Radio Laboratory W
	To Boeing Airplane Co ditto 10-10th		To Chatham. Fwds. encl. Standard Install. Plans for Airc. Rad. Trans. Equipt. 10/5
			To Cutting & Wash. Fwds prints of dwgs listed 10-9
			To Ord. Fwds prints of transmitting equip. 10-8
			To Firms. (6 letters) Fwds drawings. 10/10
			Hampton Roads-Submits list of officers and listed personnel. 10;7
			To Laugheed Aircraft Corp- Fwds drawings 10-10th
			To Standard Aircraft Corp ditto 10-10th
			To Ord ditto 10-8
355215	10;2	Crocker Wheeler Co	Sub list of airplane generators shipped 1st. W
355591	10;3	CrockerWheeler Co	Sub report on status of ship and mfg of airplanes generators.
355625	10;1	Hampton Roads	Preliminary report on radio direction finder for airplane, sub with prints. W
351758	10/4	To Western E.Co.	Asks who representatives will be & exact date of arrival.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
353795	None	Glouscester N J	Sub status of radio division at storehouse, lists material needed. W Gloucester Oct. 16 To Gloucester- Asks copy of SO let of 9-28th 10-25 Glucester-Lists equip urgently needed. 10:28 To Gloucester re power supply for radio for aircraft section of storehouse 11-18	
354002	9;28	Crocker Wheeler Co	Sub report of status mfg airplane meters. W	
354026	SEE CARD 77			
353440	10-1	To Chatham	Fwds bprints of Aircraft Radio Transmitting Equipmt	W
354112	10-2	To Inspr Bost-	Asks that report be obtained on new type of radio transmitted developed by Am Radio and Reasearch Corp Inspr Mass Oct 28,	W
354795	10;1	Hampton Roads	Standard instal plan of aircraft radio set, fwds print. W	
352036	12/4	To S&A	Rects. shipt. of radio apparatus from Brook. to Gloucester	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
318197	9;30	Chatham SEE CARD 71 & Dup 71	Fwds weekly report S&D-Sub report. 9;28 Miami Oct. 5 Fwds report Fwd Dept via Director Nav Comm 10-14 W Fwd Dept Aviation 10-15 Key West Oct. 8 No report To Miami- Milliammeters are not supplied with CW1058 radio phone transmitters 10-16 H.R. Oct. 12 Submits weekly report Miami Oct. 11 Submits report Pensecola 10.12 Submits apparatus received during past week. Pens-Weekly report 10;19 Bay Shore 10;23
SEE CARD 86		To Dept 10;14 back 10;26 unapproved W To Key West- Reqts that Bu let of 9-20 re weekly report on aircraft radio app- be complied with 10-31 To Chatham- Reqts that formal re qtn covering 2 typewriters be fwded to S&A 10-28 Fwd Bay Shore 10-29 To Cutting & Washington Asks that	
354523	9;30	Crocker Wheeler Co	Sub status of mfg and shipment of airplanes generators. W To--- Reqts. report on discrepancy. 10/4
354525	10;1	Crocker Wheeler Co	Sub report of mfg and shipment of airplane generators. W
354590	9;29	Hampton Roads	Fwds report of test of antenna spring sub International Radio Tel Co for use on airplanes. W Aircraft Factory 10/10

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
352970	9;24	Chatham	Sub information requalification of radio observer. W Fwd Dept, 10-9
350743	9/27	Fwd. C&R	Re radio equipment for seaplanes. W To Dept, Via C&R, Re install of apparatus at Aircraft Factories, 10-3 Back from Dept 11;22 C&R- Circular 10;5 C&R-10;26 Fwd Dept, Via C&R 11-18
SEE CARD 71	C&R Oct. 16	Copy of indorsement to department relative to installation of Radio equipment at aircraft factories W	
351384	9/24	To S&A	Reqts. shipt. of radio material from Wash. to Gloucester for Aircraft
351385	9/24	To S&A	Reqts. shipt. of radio material from Phila. to Gloucester for Aircraft. New London Station- 1;23 Fwd S&A 1-29 Fwd S&A 2/12 fwd S&A 3-11 Gloucester-Req reply to various letters. 3;11
To Phila-	Info re status req 2-27	To Gloucester 3-15	
352635	9/27	To Pensa.	Re authorization of purchase of 3 H.P. Motors for Rad. School. W
352629	9/28	To S&A Fwd S&A 10-28	Reqts. shipt. of radio apparatus from Boston to Buffalo for Aircraft. To ---- Reqts. Shipt. of radio apparatus from Brook. to Curtiss Aero.& Motor Co. for aircraft. W 9/28 To Curtis. Re shipmt radio. 9-30 TO S&A- Rqsting tracing of shipments- 10-18 Received Back 10/24 Inspr. Curtis Oct. 17
353560	9:27	Cutter & Washington	Fwds specifications for 1/2 kw airplane ~~battery W~~ radio set. W
352637	9-28	To Norf	Fwds plan of install of aircraft transmitter 9-28W

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Number.	Date.	From or To—	Subject.	
353190	9-30	To S&A	Rqst shipmt radio apparatus Inspr Boston to Curtis Inspr. Mass. Oct. 18 Gives serial number of transmitter	W
353192	9-30	To S&A	Rqstshipmt radio apparatus Inspr Boston to ~~Curtis~~ Above cancelled 10-21	W Greenwich RI
353193	9-30	To S&A	Rqst shipmt radio apparatus Inspr Boston Elizabeth NJ, W Reqts amendment from 28 to ten transmitters 10-21 To S&A Rqst shipt radio apparatus Inspr Stand to Inspr Buff, 11-6	
353194	9-30	To S&A	Rqst shipmt radio apparatsu Inspr Boston to College Pt NY W Reqts amendment to read 9 instead of 24 10-19 Ship order 9;23 received back 10;24	
353423	9-30	To S&A	Rqst shipmt radio apparatus Inspr Boston to Hampton Roads W	
353426	9-30	To S&A	Rqst shipmt radio apparatus Brook to Phila W Received back 10;23	
353427	9-30	To S&A	Rqst shipmt radio apparatus In pr GE to Phila W	
353715	9:27	Hampton Roads	Sub report of test of West Elec Tel sets on HS-2 seaplane 1908 W	
353724	9:27	Hampton Roads	Sub report of defective workmanship on Cutting & Washington transmitters. Inspr. Mass. Oct. 8 Inspr Miss-let stat material Reqts defective parts of spark gap ship on above be shipped to Inspr for Inspn 10-16 Cutting & Washington 10/11 will take steps to prevent defective workmanship in future	

To Insp. Mass. Re defective workmanship on Cutt.&Wash set.1013 Hampton Roads 10/20 Inspr. Mass

To Inspr Bost- Defective spark gap Fwded 10-25

To ------ 25.

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Number.	Date.	From or To—	Subject.	
620312	4/21 4/24	DesLauries Co. Inspr Brook.c	Will ship one fan now ready, to Anacostia Labr. W.	
620024	4/24	To S&A 128	Regst shipment of Fans from Phila to SO Anacostia W RB 8/1/22. W S&A- Self regulating fans not yet recd. 7/5 W To Mgr Phila via Comdt- Gives instrns 7/21 Aircrft facty 7/26 W	
620032	4/26	To Anacostia	Aviation- Loan of CG 11OrA Aircraft Radio transmitters to Marine Corps Marine corps will furnish necy transportation W To CO Anacostia- Gives instrns 5/30/23 Anacostia Reports non receipt of aircraft transmitters loaned Marine Corps Quantico W	
585312	FROM CARD	211	CO LANGLEY report on test to determine efficiency of radio emergency equipt for land plane- fwds photos. 4/17 W CO LANGLEY Report staisf results. 4/28 W. Anacostia- Equipt for land planes- fwds photos and recommendations. 5/3 W. To CO- rel equipment for land planes cc Atlantic Fleet- CO Anacostia 5/9 To Aero.- - 11/24 RB 1/24 W To Bur Aero. 7/28 RB 9/17/23. W	

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
620610	4/25	Aciation	Fwds copy of letter to Curtis Export Corpn rel to radio equipt for F-5 seaplanes for Govt. of Brazil. W.	
620692	4/26	AVIATIONt	Copy of letter to Inspr Buffalo listing material which will not be furn contractor for instln on model E-o-1 airplanes. W.	
620742	4/26	N.Y.	Curtiss Co. request loan of radio set for airplanes. W. N.Y.- (T) Have lcated transmitter - will loan same to Curtiss Co. 4/28 W. To Ny (T) Ask to be advised of Curtis decision so Aircraft Fac can be instructed 4/28	
620782	4/26	Aviation	Fwds description of Loth's method of guiding airplanes in fog by sound waves. W Anacostia- 5/4 W.	

Number.	Date.	From or To—	Subject.
619662	4/19	Anacostia	Fwds copy of preliminary specifications cov wind driven generator for use in com with C. W. transmitter for spotting planes. W.
619669	4/19 4/20	Aircrft Facty Phila.	Request copy of preliminary layout of radio instln on ZR-1 be furn. W. Fwds prints 5/2 To Aircraft Fac Phila via Comdt- Phila- Aircrft Facty asks when drawings will be furn. 5/2 W.
619364	4/21	Ham. Rds. (T)	No spare batteries on hand. W. To Hamp Rds- T Prepare 3 aircrft radio sets Se 1104A complete for loan to Quantico. Quant will furn trans. Report when mtl is ready. 4/20 W
619112	4/21	To Mgr Aircraft Fac Via Comdt	Radio Telegraph-Aviation-Self-regulating 550 Watt Fans, shipment of W Aircrft Facty- Instrns issued to inspect shipping containers. 5/4 W. To Mgr Aircraft Fac via Comdt Phila Gives instrns 6/9 Phila 6/19 Report on faulty shipping of wind driven propeller W
620038	4/21	Dept	Copy of letter to Anacostia directing detail personnel for transfer of F-5 seaplane from Aircrft Facty. W.

Number.	Date.	From or To—	Subject.	
619396	4/20	A. Crossley	Lightening protecting device for kite balloons - gives report of at Ham. Rds- Fwds prints. W. Lightening arrestors To Aeronautics- Gives report on test 4/29 Fwds Aeronautics 6/30 W	RB 6/17 W
619456	4/18	Anacostia	Fwds preliminary specifications for type Se-1386 generator for seaplane vacuum tube transmitter. W.	
618486	4/19	To Aircraft Fac via Comdt	Preparation for sale Aircraft Radio Set- sale of W Phila 6/12 Fwds print with estimates W To Aeronautics- Reqsts inform rel transmitters 6/21	
619450	4/19	N.Y.	Copy of letter to Aviation stating Cmdr. McDowell will be yard representative rel to meeting for standardization of storage batteries for airplanes. W.	

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Number.	Date.	From or To—	Subject.	
612224	FWD FROM CARD 229		Fwds Anacostia 4/15 W RB 4/20 W.	
619025	4/14	Anacostia	Sinusoially modulated CW transmitter for spotting planes- 200 watt fan nec to operate same. W'	
618317	4/18	To Mgr Aircraft Fac Phila	Aviation-550-Watt Self-regulating fans for aircraft transmitter- Gives inform rel shipment W cross 53030-629 To Phila via Comdt- cancels previous instructions-- cc Inspr mat Deslauriers Column Motld Co 4/20	

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[OVER.]

Number.	Date.	From or To—	Subject.	
618244	4/11	Anacostia	Request emergency transmitting kites be furn. W. To S&A Rqsts shipmt of Telegraph from Phila to Anacostia 80 4/15 W RB 6/24 W	
618083	4/10	Annacostia	1345 S-E 1414 receiver rel to modification of	W
618350	4/12	Aircrft Facty	Ask if GE Co. is to supply shortages in transmitters recd. W. To Mgr Aircraft Fac- Reqst cc of Mgr Aircraft Fac let 2/9 be furnished Bureau 4/18	
TI CARD	243		Aircrft Facty- Report on transmitters. 4/19 W. Aircrft Facty- 4/28 W. Aircrft Facty- Rqst action 5/10 W. Aircrft Facty- Request action. 5/18 W	
617994	4/13	To Atl Fleet via C-I-C	Radio Telegraph-Aviation-Emergency transmitting Equipment for F-5-L Disposition of- Gives Status of shipment cc CO W Atl Fleet- Report from Air Sqd. Fwds. 6/2 W	
617995	4/13	To Hamp Rds	Emergency Transmitting Equipment for F-5-L Disposition of- Reqst Report cc Atl Fleet W	

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
616568	4/1	Aviation	Copy of letter to Ham. Rds. directing cooperate with Submarine Division Zero for communictions test. W.
616570	3/27	Pensacola	Report on test cov effect of remote ignition control on radio compass as installed on F-5 seaplane. W. To Pensacola- Report not clear 4/15 W. Pensacola- Report rel to instln of remote control. 4/20 W.
616625	3/30	Pensacola	Fwds monthly flying reports. W.
616689	4/5	To Phila Aircraft Fac- via Comdt	Aviation-Air-driven propellers for emergency operation of SE 1310 transmitters W
617280	4/6	Dept	Copy of letter to Atl. Feet directing transfer 20-F-5 airplane from Phila. to Ham. Rds. W.

Number.	Date.	From or To—	Subject.
616342	3/20 3/31	M. F. Bennett Aviation	Request diagram of circuit for SE 1414 airplane receiver. W.
615932	4/1	To Aeronautics	Aviation-Modification of wave change switch on type SE 1310 Transmitter W RB 4/13 W
616042	4/1	To CO Coco Solo	Aviation Aircraft Radio Transmitter Test Set- Reqst disposition made of test set W To C. San Diego- Reqst disposition made of test set 4/1 RB 4/15 W. To C Coco Solo- 6/29 Coco Solo- 7/14 W
6 615048	3/31	To S&A 9978	Reqst shipment of fans from Phila to SO Anacostia W RB 5/19/22. W Anacostia- Report on condition of fans recd. 4/14 W.
615250	4/1	To Inspr mat NY	2000 Watt Self-regulating fan- W Inspr Brook- 4/5 W. Phila- request reply to letter of 4/11. 5/16 To Inspr mat GE cancels instrns 5/18
616251	4/3	see card 241 To New Worf	Disposition of aircrft radio transmitter testing set Rockaway. W N.Y. 5/2 W. To Mgr Aircraft Fac via Comdt Gives instrns 5/5

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Number.	Date.	From or To—	Subject.	
616110	3/28	Sperry Co	Request inform rel to award on patent of speed fan for wind driven generators.	896 W
616250	4/11	To Inspr mat NY	Self-regulating Fans Delivery of Satisfy W Inspr Brook- Fans will be shipt no later than 4/17. 4/14 8 W. To Phila via Comdt Reqst inform 5/9	
617575 TO CARD	4/11 240	To Aircraft Fac Phila via Comdt	Reqst drawings of apparatus le fwded W Aircrft Facty- Fwds plans. 4/17 W. Phila- Emergency transmitting equipt for F-5 boats - Fwds prints. 4/19 W. Phila- Aircrft Factyr requests Bureau approval 5/3 W. To Phila via Wash- Numbs assigned 5/3 W	
618202	4/10	Anacostia	Modification of type SE 1345 aircrft radio equipt to permit telephone transmission- comments on with recommendations and tracings. W	

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Number.	Date.	From or To—	Subject.	
616 898	4/5	To Aeronautics	SE 1390 Aircraft Transmitters- Gives inform rel sample set- W Phila- Fwds letter from Aircrft Facty giving disposition of 90 air driven propellers. 4/17 W Aviation- Copy of action to Atl. Air Sqdrn. 4/27 W. Aviation- Conn with radio instln on NC-9. 5/19 W To Aeronautics- Instln unsatfry 5/23	
616903	4/7	To Aircraft Fac via Comdt	Obsolete radio apparatus on hand- Reqst report W Aircraft Facty- 6/3 W. Phila. 6/5 W. Aircraft Facty 6/14 W Phila 6/16 W To Phila- Asks when tubes may be obtained 7/3 W	
TO CARD	25o			
617484	4/7	K. Banning	Request photos of radio apprs usdd on Navy airplanes for publications in "Popular Radio" W To Kendall Banning- impossible to send photographs W 4/13	
617186	4/8	To Aeronautics	Conference on Aircraft Radio Transmitters recently developed- W- Fwds copy of Proceedings of the Conference W	
617385	4/8	To S&A Phila 11	Reqst shipment of equipment from Aircraft Factory to CO W RB 3/3 W To S&A Reqst shipment of Equipment from Aircraft Fac to Pacific Fleet 10 4/8 To S&A Reqst shipment of Equipment from Phila To SO P H 13 4/8 RB 7/25 W	

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Number.	Date.	From or To—	Subject.	
621393	4/18 5/1	Aircrft Facty Aviation	Lists material required for radio insltn on DH-4-B airplanes. W. To Mgr Aircraft Fac via Comdt rel shipment of Receivers cc Aeronautics- Pensacola W 5/6 Aviation 5/13 W	
621386	4/28	Aircrft Facty	Copy of letter to Anacostia submitting list of radio material not furnished on boat 3874. W.	F-5
621985	5/1	Aviation	Fwds copy of "Aerial Navigation" by W. Loth. W.	
621676	5/5	To S&A 213	Reqst shipment of mat from Washn to Dahlgren W RB 6/22 W	
14768-515	5/6	Engr-N.A.S.Anacostia	Radio Telegraph- Development of long range wave radio compass for aircraft design Problem No 196-A	

Number.	Date.	From or To—	Subject.	
620586	4/27	To S&A 155	Reqst shipment of mat from Washn to CC Quantico W RB 5/10 W	
621166	4/29	Aviation	Copy of letter to Pacf. Marine Airways rel to facilities for transmitting on flying boats. W.	
621175	4/29	Aviation	Fwds specifications for type NM -1 airplanes W.	
621174	4/5 4/29	Pearl Harbor Aviation	Subm quarterly report on radio equipt. W.	
620257	4/29	To Air Squad Atl Fleet via C-I-C	Radio compass installation on F-5 L Ignition control Reqst report upon completion of tests cc C-I-C Pacific- Air Squad Pacific- CO Hamp Rds- Anacostia -PH- Phila- CO Guam W Atl Fleet 6/7 Fwds report from Air Sqn W	

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Number.	Date.	From or To—	Subject.
621867	5/6	To S&A 217	Reqst shipment of Invoice Ard Key From Phila to SO Washn W RB 5/26/22.W.
606243		from card 223	To S&A Reqst shipment of condensers from Washn to Pacific Fleet 220 5/6 RB 1/15/23 W Fwds Aeronautics 6/3 W cc Navy Yd Wash RB 6/12 W Fwds Washn 6/17 RB 7/27 with prints W Fwds Aeronautics 8/3 RB 8/12 W Fwds Washn 8/29 Washington- Subm estimates. 10/11 W Fwds Aero. 10/19 Aviation 11/8 Copy action to Washn W
621227	5/6	To S&A 230	Reqst shipment of Amplifiers from Washn to SOPhila W RB 4/6 W
3 622150	5/8	To S&A 233	Reqst shipment of Receivers from Washn to SOPhila W To S&A Reqst shipment of receivers from Washn to 4th Dist. 2099 2/3/23 To S&A Reqst shipment of receivers from Wazhn to Phila 2099 2/3/23

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Number.	Date.	From or To—	Subject.	
616251	see card 233		To Lieut H O Quinn NY via Navign- dispositi on of transmitter testing set 5/5 W Cape May 5/15 W Aircrft Facty- 5/18 W. Inspr Phila- Transmitting set recd at aircrft facty from Rockaway. 5/19 W	
2 614073	FROM CARD 230		Request action. 5/3 W. To Mgr Aircraft Fac via Comdt V strut generator mountings for F-5 L's W 5/9 Phila- Request action. 5/11 W. Phila- Fwds letter from Aircrft Facty rel to Duraluminum mountings. 5/17 W To Mgr Aircraft Fac via Comdt Gives action taken cc Aeronautics 5/25. Aircrft Facty- Fwds vandyke. 9/29 W	

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Number.	Date.	From or To—	Subject.	
617575	FROM CARD	234	Phila- Aircrft Facty reqpest action. 5/11 W Washington 5/15 W	
622474	5/11	To Atlantic Fleet 493	Excess Radio material apprvd cc C-I-C Atlantic Fleet Aircraft Factory W To Atlantic Fleet Reqst report be submitted 5/16	

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Number.	Date.	From or To—	Subject.
622410	5/4	Pacf.Marine Airways	Request standard Navy batteries be furn for instln of HS-2 flying boats. W.
622174	5/9	Atl.Air Sqd (T)	Request auth to turn in at Aircrft Facty radio apparatus and material not needed. W.
622497	4/7	Anacostia	Report on cause of burning out of fillament of CG 1162 tubes. W.
622735	5/10	Aviation	Cannot definitely recommends type of radio set which would be desireable for airplanes for Brazilian Navy. W. Fwds Dir of Intelligence 5/13
622817	5/9	Anacostia	Report cov failure of skid fin antennas on F-5 air boats. W.

Number.	Date.	From or To—	Subject.	
616250	FROM CARD 233		To Mgr Aircraft Fac Phila voa Comdt Aviation-Self regulating fans gives instrns W 5/19 Inspr GE- 5/22 W	
623910	5/20	To Comdr Air Detachment	LANGLEY Aviation-Radio Helmet Type HS-1 modified to be given extensive trial by Lieut C D Palmer W	
624306	5/20	To NY	Aviation - Magnavox instln on VE 9 planes cc Aeronautics- Aircraft Fac- Chance-Vought Co W To NY-- Gives Action taken cc Chance Vought Co- Inspr Long Island 6/9 To Mgr Aircraft Fac via Comdt Phila-- gives inform rel instrns cc Chance-Vought Co Inspr mat Long Island W To Mgr Aircraft Fac Phila via Comdt- Regsts forwarding of instructions be expedited cc NY- Long Island 6/24 N.Y.- Reports plane shipt to Phila; magnavox apprs will be installed by that yard 6/28 W Aircrft Facty-gives reasons for delay in sending blueprints 6/29 W	

Number.	Date.	From or To—	Subject.	
623404	4/24 4/27	Marine Corps Santo Domingo Santo Domingo	Report on condition of radio apparatus.	W
623044	5/13	To S&A 276	Reqst shipment of tubes from Washn to CO W To S&A Reqst shipment of tubes from Washn to Bu of Aeronautics 512 6/15 Quantico- 6/23 W. To Quantico- F ds shipmt order 7/1 W	
623923	5/15	CO LANGLY	Request transmittors listed be furnished for experimental work W	
624168	5/9 5/12	Air Squadron Pacf. Fleet	Request kites, special propellers, etc. for transmitters on F-5 planes be furn. To Air Squad Pacific Fleet via C-in-C give status of shipment 5/20	W.

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Number.	Date.	From or To—	Subject.	
624682	5/23	To S&A 348	Reqst shipment of Amplifiers from Washn to Pacific Fleet W RB 8/24/22.W S&A 1/18 Copy of letter to Aircraft Scn Battle Fleet re shipment of amplifiers W	
624683	5/23	To S&A 355 To S&A	Reqst shipment of Amplifiers from Washn to Atlantic Air Detachment 355 5/23 RB 11/21 W Reqst shipment of Amplifiers from Washn to Atlantic Fleet 354 5/23	RB5/19/23
624684	5/23	To S&A 356	Reqst shipment of Amplifiers from Washn to SO Phila W RB 7/5/22.W.	
624831	5/23	To S&A 327	Reqst shipment of Intercommunication sets from phila to Long Island W RB 6/6. W.	
625331	5/23	Anacostia	Report cov failure of generator for type SE 1390 radio transmitter furn by GE Co. W.	
625383	5/25	DesLauries Co.	Copy of letter to Anacostia Labr advising of shipt of propeller for aircraft radio set. W.	

Number.	Date.	From or To—	Subject.	
Bu Aeronautics Reqn 302-22 5/20 To Airaraft Fac via Comdt			Magnavox Intercommunicating sets for Vought Training Planes W R	
623231	5/19	Aircrft Factury	Request wind tunnel test be run on insulators for antenna for aircraft • W	875
605362	1/27	To Dept	Change in U.S.Navy Regulations M	742
624481	5/22	To Atlantic Fleet	Aircraft Radio Helmet Type HS-1 Modified Test of W	
625171	5/23	Anacosti a	Subm Dr. J. M. Goldsmith's views on automatic recorders change. ?? W. Fwds C-I-C Bu of Standards 5/27 .RB 6/2	W
625174	5/23	Anacostia	Comments on experiments in radio broad-casting musical programs by radio.W.	

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Number.	Date.	From or To—	Subject.
625412	5/27	To Pensacola (T)	Deliver to Maj R J Geiger helmets in good condition are for transfer to Quantico
618350	FROM CARD 235		Aircrft Facty 5/26 W To Mgr Aircraft Fac via Comdt rel leads gives inform cc Inspr GE 7/25 To CO Anacostia- eqsts comments 7/28 Anacostia- 7/31 recommendations. W.
626064	5/15 5/31	Atl. Air Sqd. Aviation	Calls attn to fire in radio cock pit caused by poor insulation of radio aerial- suggest be improved. W. To Aircraft Fac via Phila-- Quotes letter recd from Atl Fleet 6/7 Aircraft Facty 6/14 W

Number.	Date.	From or To—	Subject.
625485	5/26	Aviation	Request Glenn L. Martin Co. be advised when instruments and equipt for MO-1 planes will be available. W.
TO CARD 254			Aviation- Request expedite delivery. 6/7 W
			To Mgr Aircraft Fac via Comdt Phila- Will Furnish print cc Aeronautics Insp mat Cleveland 6/13
			To S&A Reqst shipment of pigeon boxes from Anacostia to Cleveland 503 6/14 RB 11/9 W
			Aircraft Facty 6/20 Ask type plan to be followed W
			To Aircraft Fac via Phila- rel tests of plans 6/29
624982	5/25	To S&A 371	Reqst shipment of Amplifier from Phila to S Phila W
625628	5/9 5/27	Pacf.Air Sqd. Aviation	Request undertake development of test set for use with SE 1345 spotting equipt. W.
			To CO Anacostia- Design of test set 6/10
			To Pacific Fleet- rel test of transmitter 6/13
624694	5/27	To S&A 384	Reqst shipment of Amplifier from Washn to Phila W
625559	6/1	To CO Hamp Rds T	Notify Air Sta Anacostia whenever NC 9 is preparing to make flight on radio test. W

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Number.	Date.	From or To—	Subject.
626028	6/1	To S&A 411	Reqst shipment of batteries from Phila to Quantico W RB 7/17/22 W
626031	6/2	To Washn	Removal of radio apparatus from VE 7 G Airplanes W
626033	6/20	To CO Quantico via Marine Corp	aircraft radio transmitters operation of W RB 7/18 W
626563	6/1	Pensacola	Letter request 124- request radio apparatus listed be furn . W. To S&A Reqst shipment of tubes from Washn to SO Pensacola 516 6/17 Pensacola- Request propellers be furn. 8/22 W To Aeronautics- Recomds be authd to manf propellers 9/6 W cc Anacostia S&A Dept
To 259			
5 626785	6;2	Aircraft Facty	Radio instln on PT seaplanes- fwds prints W To Phila via Aeronautics- Comdt Phila- Reqsts inform cc Atl Fleet 7/21
626034	6/6	To Aeronautics	Wind resistance of self-regulating fans for Aircraft radio generator W Aviation 6/17 Fwds reports on self-regulating fans W

Number.	Date.	From or To—	Subject.	
500864	FROM CARD 173		S&A-Copy action to Norf. 6/1/22 W.	
501286	FROM CARD 173		Aircrft Facty 6/1 W. Phila- One test set fwded to San Diego and Pearl Harbor. 6/5 W	

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Number.	Date.	From or To—	Subject.
627289	6/8	Gadenwater (GE Co.) (T)	Report cov trials of NC-9 with SE 1390 radio instln. W.
		CANCELLED- see 54122-629	Gadenwater 6/12 T. itinerary of test W
626672	6/8	To Wireless Improvement Co	has delivered to representative Mr Forbes print copy of specens W
627407	6/8	Aviation	Survey 98/22 cov receivers and oscillation, transformers missing in shipt, on Atl. Fleet air force invoice, of September 1921, approved. W.
626971	6/8	To S&A 459	Reqst shipment of Transmitters from Anacostia to Quantico W RB 6/16 W

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Number.	Date.	From or To—	Subject.
626064	6/6	Fwds Aeronautics	Fire in radio cockpit W
627091	6/7	Aviation	Copy of shipt order ov NC-9 plane from Atl. Air Sqd. to Am. Rds. W.
598767	FROM CARD 217		Magosy & Buscher Request payment of bill fo work done for W. J. Scott. 6/3 W
14800-521	6/7/22	CinC Pac Flt--Operns	Radio Telegraph- Special report on Fire Control Radio and Spotting Aircraft Radio.

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Number.	Date.	From or To—	Subject.	
627900	6/2 6/13	Phila Aviation	Radio installation on PT-2 seaplanes Fwds prints W	
627361	6/13	To Mgr Aircraft Fac via Comdt Phila 46-B-26	Radio equipment for MARYLAND airplane cc Aeronautics- CO MARYLAND W CO MARYLAND 6/17 W	
	SEE CARD 252		Aviation- Radio instln for MARYLAND airplane. Fwds print with comments on. 7/10 w Aviation - Request action 7/19 W	
627 363	6/12	To S&A 485	~~To 9 via Aeronautics - Battleship W~~ Reqst shipment of mat from Parris Island to SO Phila W RB 1/26/23 W	
628165	6/14	Atl Air Sqn	Copy: NC-9 directed to report to Lt. Harrill in conn with radio test W	
627362	6/14	To COAnacostia	Radio Instln in F-5-L Plane Assigned to Dept- W	

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Number.	Date.	From or To—	Subject.	
627519	6/9	Aviation	Copy of shipment order covg salvage matl from Loening Airplanes from Hamp Rds to Aircraft Facty W	
627506	5/15	no source	Aircraft design report covg W	
627679	5/27	Nav Att London	Fwds copy of contract between Naval Attache & Handley Page Co covg aeronautical matl W	
627229	6/10	To Western Elec Co	Reqsts specens be returned W	

Number.	Date.	From or To—	Subject.	
4				
628066	6/16	To Atlantic Fleet	Radio instln on PT -2 Airplanes- rel transmitter and receivers W To Atl Fleet via Aeronautics. Comdr Atl Fleet- Reqsts reply be expedited cc Aircraft Fac Phila 7/21 RB Atl Air Sqn 8/19 W Atl.Air Sqd. 7/30 W Fwds Aircraft Squads Scouting Fleet- via Comdr battleship force. 8/21 To Atl. Fleet- Fwds corres. 11/24	
628068	6/16	To Comdr Aid Squad Atl	Fleet Emergency transmitting sets for Sea planes- Surplus material CC Phila- Pensacola W	
628069	6/16	To Pensacola- Hamp Rds- Coco Solo- Pacific Fleet	Operation of SE 1370 Aircraft Transmitters W Reqsts report be submitted W Pensacola- 5/23 W Aviation- 7/10 W. Pacf.Air Sqd- Subm report requested. 7/5 W. Coco Solo- Report on trouble with SE 1370 aircrft transmitter. 9/19 W	
628070	6/17	To CO Anacostia	Assignment of Radio Research Problem- rel trouble in copying signals from aircraft vacuum tube transmitters W	
628073	6/17	To Washn	Design Problem No 85- improved aircraft receiver type SE 4060- work to be expedited W	
628488	6/15	Fischer Mach Co	Request prinss covg details of transmitting & receiving set for aircraft W	
628466	11/3	Atlantic Battleship Force	Recommends satisfactory radio equipment be supplied W To C-I-C Atl. Fleet- submits addnl inform cc A Atl.- Mgr Phila aircraft Fac 11/18	
FWD TO CARD 268				

Number.	Date.	From or To—	Subject.	
627692	6/13	To S&A 493	Reqst shipment of mat from Guam to SO Phila W	
627693	6/13	To S&A 499	Reqst shipment of mat from San Diego to SO Phila W	
628329	6/5	CO LANGLY	Fwds modified HS-1 helmet with report on test of W	
627844	6/15	To S&A 506	Reqst shipment of Receiver from Anacostia to SO Washn W RB 10/31 W	
627847	6/16	To CO Anacostia	Emergency transmitter for Seaplanes-Antenna Instlator W	
627900	6/20	To Phila via Comdt	Radio instln on P T 2 planes instln approved W	

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Number.	Date.	From or To—	Subject.
628633	6/15	Anacostia	Summary of status of radio research problems assigned to radio aircraft laboratory W
628733	4/1	Guam	Report on radio equipment, quarter ending 3/31 W
608336	FROM CARD 225		Santo Domingo 5/31 W

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Number.	Date.	From or To—	Subject.	
628528	6/14	Gen Elec Co	Test of radio transmittor on seaplane N-C9 explains circumstandes that resulted in reprimand of Boatswain Dieteric due to misunderstanding of telephone orders W To Atlantic Fleet- Gives - inform 6/20 Anacostia- Fwds report. 6/28 W.	
628503	6/9	Aircraft Facty	Request detailed instructions as to type of apparatus to be installed in F-5-L boats W Fwds Aeronautics 6/21 To Engr Aircraft Fac via Comt- rel instln of spark transmitters 6/21	
628380	6/19	To Atlantic Fleet	Gives Inform rel monthly radio report for April W RB 7/3/22. W.	
628381	6/19	To LANGLEY	Aviation Monthly aeronautical engine report W	

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Number.	Date.	From or To—	Subject.
628646	6/21	To S&A 544	Reqst shipment of radio set from Phila to SO Anacostia W RB 9/2. W.
629707	6/23	Quantico	Request 24- 5 Watt transmitter tubes. W. Shipment Order 6/29 RB 7/27 W
629891	6/20	Naval Air Sta. San Diego	Request disposition of certain aircrft radio material supplied by requisition 592. W Fwds MI 6/29
629079	6/24	To Phila	Aviation-Design Problem 189A-Type SE 4080 aircraft radio compass coils- Reqsts report cc Mgr Phila W
629074	6/22	To S&A 543	Reqst shipment of Transmitters from NY to SO Aircraft Factory W
629075	6/22	To S&A 547	Reqst shipment of mat from San Diego to SO Phila W RB 2/1/23 W
FWDED TO CARD 269			To CO San Diego- Ask to expedite shipment cc aircraft Fac. 10/17 San Diego- 10/25 - inquiry on transmitters not understood. 10/25 W To Mgr Aircraft Fac via Comdt- Gives instrns 11/4 Air Crfg Facty 11/21 W

Number.	Date.	From or To—	Subject.
628871	6/12	Quantico	Request vacum tubes & ballast lamps be furnished for transmitter W
628385	6/19	To S&A 521	Reqst shipment of Fans from Phila Air craft fac to Anacostia W RB 7/18/22/W
628543	6/21	To CO's listed cross	Aircraft radio Helmets-Supply on hand and condition of W Cape May 6/22 No radio helmet W Chatham Air Sta 6/22 none. W Rockaway Beach 6/22 none W Anacostia- 6/24 W Ham.Rds.Air Sta. Favorable report on Helmet type receiver providing rubber ear cup and bath sponge has been substituted. 6/28 W.
TO CARD 251			
628538	6/22	To Mgr Aircraft Fac via Phila	Aircraft radio receivers assemby and reconditioning of W Phila 11/7 Ask if Air Craft Factory should recondition receivers W To Mgr Aircraft Fac via Comdt Phila- gives status of shipment 11/24
628542	6/22	To C-I- C Pacific Fleet	Aircraft Radio transmitters Type SE 1300 discontinuing use of W Pacf. Fleet- Recommends removal of spark transmitters in spotting planes. 6/29 W.

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Number.	Date.	From or To—	Subject.	
616903	FROM CARD 234		Aircrft Facty- Reports 244 vacuum tubes under A.P.A. 7/6 W.	
		#914	To S&A Rqsts shipmt of Vacuum Tubes from Phila. to Washn 7/13 W.	
			To Mgr Aircraft Fac via Phila- desires to recommend sale of mat 10/21 Air Craft Facty 12/8 W Phila 12/8 W To Mgr Aircraft Fac Phila via Comdt- Ask which of mat is vacuum tube apparatus	1/3/23
631772	6/19 7/8	Pacf. Air Sqd. Aviation	Airplane F-5 rel to change in radio generator. W To Pac Fleet via Aeronautic- C-I-C Pac Fleet- Reqsts inform cc Phila W 7/21	
631787	6/21 7/3	Pacf. Air Sqd. Pacf. Fleet	Request suitable transmitter and receiver be furn for communications between base and aircrft in flight. W. To Comdr Pac Fleet via C-I-C Pac Fleet- Comments on furnishing tube transmitter 8/30 W RB 10/6. W.	
~~630319~~	~~11/1/23~~	~~To aircraft Fac Phila via Comdt~~	reqst for copy of shipment order 1564 W	

Number.	Date.	From or To—	Subject.	
629950	5/24	Bureau Aeronautics	Copy of letter to Curtiss Airplane Export Corpn asking if radio apprs is desired for 14 boats purchased for Brazilian Govt. W. Curtiss Corpn- Gives estimate per set. 6/28 W	
	card 256		To Nav Aircrft Facty via Phila- R sts re-estimate 6/30 W. To Curtiss Aero Export Corp- Estimate will be furn 6/30 W. Phila-Subm estimates. 7/12 Y	
630109	6/26	Phila.	Copy of letter to Aeronautics on radio equipt for MARYLAND airplane. W.	
629797	6/29	To S&A 600	Reqst shipment of tubes from Washn to QM Quantico W	
630750	6/30	Aircrft Facty.	Request auth to draw all radio propellers from store for use on immediate instln. W. Aircrft Facty- Request action. 7/10 W To Nav Aircrft Facty Phila- T Rqst approved 7/17 W	
629547	6/30	To Secy of War (Sec Sig)	Wind resistance of fans for Aircraft Radio Generators. W War Dept- Fwds reports from McCook Field on radio generator air fans. W. 7/10 War Dept- Fwds pamphlets- 7/24 - W. To War Dept (Sec Sig)- returns reports 12/4	

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Number.	Date.	From or To—	Subject.
14812-521	6/19	N.A.S. Anacostia Eng	Radio Telegraph- Research Problem No. 97-A Radio Controlled Aeroplane (In Triplicate.)
632130	7/12	To S&A 704	Reqst shipment of tubes from Phila to Washn To Comdt Phila-nRqsts inform on shipmt 7/15 W cc S&A Washn. RB 7/28 W.
632734	7/14	Aviation	Copy of letter to Anacostia directing appoint board to conduct trials on model EO-1 airplane-5908 DW
632735	6/1 7/14	Guam Aviation	Subm report on radio aviation material on hand. W
632125	7/14	To CO Anacostia	Assignment of Radio Research Problem W

Number.	Date.	From or To—	Subject.	
628543	FROM	CARD 249	Pensacola- 6/30 W. Atl·Aid Sqd. 7/13/22.W Coco Solo- Air Sta. Lists helmets on hand. 7/14 W Pac Air Sqn 7/17 W Pearl Harbor Report on helmets on hand. 8/2 W	
632060	7/10	Aviation	Copy of letter to Aircrft Facty stating instln of radio on VE-7 planes has not yet been authorized. W.	
631168	7/6	To Wireless improvement Co (T) cancelled	Award contract radio sets vandykes being forwarded W Wireless Impvmt Co. (T) Detectors not recd. 7/12 W contract 56273-	

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Number.	Date.	From or To—	Subject.	
633725	7/13	Atl Air Sqd	Fwds aircraft helmet with comment on test made. W To Air Squad via Atl Fleet- helmets will be issued to svc when recd W 8/29	
634024	7/17	Aircrft Facty	Radio wave change switch- fwds vandyke.	W.
627361	From card 246		To CO via Aeronautics- Comdr Battlshp Force Fleet 7/21 Radio equipment of MARYLAND cc Phila- Atl To gr Aircraft Fac Phila via Aeronautics- Phila- Reqsts Plans 7/28 Copy back 8/17 W Aviation- Fwds specifications cov instln of radio on U-O-1 airplanes. 8/16 W	

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Number.	Date.	From or To—	Subject.	
633027	?	McCook Field	Report on instruments and equipments week ending 7/15 W.	
633001	6/14 7/12	Atl:Air Sqd. Atl.Fleet	Request aircrft Facty furn air craft radio material listed. W. Fwds Aeronautics 7/21	
633132	7/13 7/17	Anacostia Aviation	Fwds invoice of J. E. Bromwell's Sons for plating instruments. K	
633136	6/19 7/17	Aircrft Facty Aviation	Fwds report of test on radio propeller and wind mill. W. Fwds Aeronautics 7/28	
633535	?	F?	Copy of "Aerial AGe" 6/26/22 issue. W.	

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Number.	Date.	From or To—	Subject.
635557	7/28	Anacostia	VErnier condenser for model MA receivers for use with spottingplanes- fwds drawings and table of wave lengths. W.
635594	7/31	Aviation	Request radio telephone helmet be loaned to Edgewood Arsenal for use in development of gas masks for aviators. W. To CO Anacostia via Aeronautics- lean Recommended 8/14
635671	8 /1	Aviation	Copy of letter to Inspr Cleveland stating radio will not be installed in MO-1 plane at contractors plant. W.
636091	8/3	Aviation	Copy of letter to Inspr Garden City stating radio apparatus will not be installed by contraator on VS airplane. W.
636099	8/1	Quantico	Request universal amplifier be furn for instaln in Martin bomber. W. To Quantico via Marine corp disappvd8/18

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Number.	Date.	From or To—	Subject.	
633698	7/21	To CO Anacostia	Special course in radio for Naval Aviator- Fwds Syllabus W	
634600	see card	255		
634442	7/24	Aviation	Request specifications listed be furnished in conn with inspection of aircraft radio equipment W To Aeronautics- Will furnish specdn 7/28	
627500	7/24	Bureau of Standards Lab:	Have no facilities for constructing receiving equipment W	875
635122	7/26 7/27	Aircrft Facty Phila.	Request complete type SE 1390 transmitter be fwded. W. To Mgr Aircraft Fac via Comdt- ask status of shipment 8/10 Phila 8/15 W. To Mgr Aircraft Fac via Comdt Phila- comments on plan ce CO Lakehurst- Anacostia- Aeronautics 8/29	
632456	7/18	Anacostia-	Subm list of radio recsh and design problems assigned to station. W.	736 -43

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Number.	Date.	From or To—	Subject.	
636503	8/7	Aircrft Facty (T)	Request Washington be directed to ship batteries at once. W.	
			To S&A Reqst shipment of batteries from Washn to SO Phila 891 8/12	
	see card 260		Aircrft Facty—(T) Batteries urgently needed 8/30 W	
		#10/7	To S&A Rqsts shipmt of batteries from Washn to Phila 9/6 W	
			S&A 9/13 W	
			Pgila- Request copies of shipt order 9/21W	
636482	8/8	To Pacific Fleet	Aircraft transmitters type SE 1300— operation of Gives extract from report recd from Brown Field Quantico W	
			Pacf. Fleet Air Squadron- Report on performance of radio set. 8/18 b W.	
636944	8/9	Phila.	Aircraft radio compass coils system- fwds prints. W.	
			Aircrft Facty- 8/23 request action. W	
			To Aircraft Fac (T) Gives action cc Phila 8/26	
53941	8/11	To C-I-C Pac Fleet	Aviation Transmitters- instln of cc Aircraft Fac W S	629
637617	8/10	W. A. Lath and O. T. Giraux	Fwds clipping cov underground cables for piloting airplanes from starting point to landing place. W.	
			To W A Lath and O T Giraux- Reqsts descriptive matter be forwarded 8/17	

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[OVER.]

Number.	Date.	From or To—	Subject.
636079	7/28	Pensacola	Difficulties with SE 1310 generators have been remedied by rewinding DC armature. W.
625485	FROM CARD 243		Aviation- Martin Co . request information as to dimensions of generator. 8/3 W To Inspr cleveland- Fwds print 8/17 Aviation 9/21 W To Aero.- does not desire furnish radio sets 10/10
636324	8/3	Anacostia	Request 12 radiotron 5 Watt transmitting tubes be furn. W.
636291	7/15 8/5	War Dept Aviation.	Airplane radio receiver type SCR -59-B -lists alterations, to convert from type A. W.

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Number.	Date.	From or To—	Subject.
637956	8/19	To CO Quantico via Maj Gen Comdt marine Corps	monthly radio report- Defects in type SE 1300 Transmitters- Gives suggestions made by Anacostia for improving ruggedness of oscillation transformer W To CO Quantico via Aeronautics- Marine Corps- Gives extracts from report of the opern of transmitters 8/29
638639	8/21	Aviation	Fwds specifications cov model CS-1 airplane listing specific tions for radio apparatus for. W To nstr Naval Aircraft Garden City- furnishes samples of plans of radio mat 8/26
638927	8/10 8/23	Mare Isl. S&A	Subm list of anti-aircraft equipt on hand- request disposition of. W. Fwds S&A 8/26
639374	8/26	Aviation	Copy of letter to CO LANGLEY authorizing rearrange location of rudder to permit instln of radio compass coil on VE-7-SF planes. W.
14879-521	8/24	Eng---Aero	Radio Telegraph- Guiding aircraft with electrically excited cables.

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Number.	Date.	From or To—	Subject.
638079	8/17	N.Y.	Request prints giving over all dimensions and general constructions of type SE 1345 airplane radio set. W To Mgr Aircraft Fac/ via Comdt- Reqsts prints cc NY 9/30 To NY- has no plans cc Phila 9/30 Aircrfat Facty- Copy action to N.Y. 10/8 Y
634600	8/18	To C-I-C Pac Fleet	Request for information on dead sectors experienced in radio comm between seaplane and battleship rel tests W Pac Fleet- 10/18- Will conduct test when schedule of fleet permits W
637957	8/18	To Mgr Aircraft Fac via Comdt Phila	Tupe Radio instlns on Dh 4-B Planes- ~~Quotes~~ gives suggestions from aircraft lab regarding method to prevent vibration damage to oscillation transformer W Aviation- Aircrft Facty request instrns rel to distribution of modified transmitters. 9/5 W Phila. 9/7 W. Phila- request action 9/20 W. To Mgr Air Fac via Comdt has no use for Trans. 9/30
14852-521	8/7	Ordnance —Eng	Radio Telegraph- Radio Control of Aircraft.
14874015	8/18/22	Memo for H.N.Wiseman Chief Coordinator for Gen Supply.	Radio Compasses/
14879-521	8/22	Aero p-----Eng	Radio Experiments- Aircraft.
14880-520	8/23	N.A.S.Anacostia--Eng	Radio Tele- Radio Esch Prob No. 97-A- Radio Controlled Aeroplane.

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Number.	Date.	From or To—	Subject.
639876	8/30	Aircrft Facty	Copy of letter to Aviation requesting instructions concerning radio instln on DH-4-B-1 airplanes. W.
639983	8/17 8/31	Atlantic Aircraft Squadron Aviation	Material left at Guantanamo- in conn with disposition of. W. To Comdr Aircrfr Squad Scouting Fleet- Fwds ref 9/8 W cc Aero Guantanamo S&A
639997	8/29	Atl. Battlshp Force	Request description and instruction booklets for standard radio equips listed. W. To Atl. Battlshp force- Req gives inform on radio equipment 9/21
639644	8/31	To S&A #995	Rqsts shipmt of radio equip from Phila to Pac Fleet. W RB 1/22 W
640379	9/5	Aircrft Facty-	Report on shipt of VE-9-H2 plane to Han Rds. W.

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
629950	from card 250		To Curtiss Aeroplane Export Corp- Reqsts inform rel purchase of outfits cc S&A- Aeronautics 8/28 Curtiss Co.- 8/31 W S&A 9/8 W. To Curtiss Aeroplane Export Corpn- Fwds inform 10/14 W cc S&A Curtiss Airplane Export Corpn 10/16 W To The Curtiss Aero. Export Corpn- Gives instrns 11/4 Fwds S&A- estimates rel 11/8 S&A 11/22 Copy a tion to Curtiss Airplane export Corpn W c
639016	8/29	To C-I-C Pac Fleet	Special report on fire control-radio and spotting aircraft radio W Pac Fleet 9/8 Comments on W Pac Fleet 9/22 W
639495	8/29	To gr Aircraft Fac via Phila- to Co Anacostia	Aviation- landing field indicators- Development in France Fwds cc paper recd from Naval Intelligence 8/29

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Number.	Date.	From or To—	Subject.	
640657	8/10 9/7	Pearl Harbor Aviation	Report covering instln of radio apprs in N--9 seaplane. W. Fwds Aeronautics 9/14	
640659	9/1 9/7	Quantico Marine Corps	Request meters be furn foruse in testing transmitter. W. To S&A Reqst shipment of material from Phila to Brown Field Quantico 1041 9/9 Quantico 11/9 W	
547631	from	card 195	To S&A Reqst shipment of equipments from GE to yards listed 1028 9/8	

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Number.	Date.	From or To—	Subject.
640378	9/5	Aircraft Facty.	Report on shipt of VE-9-H plane to Ham Rds. W.
640419	8/18 9/5	Washington Aviation	Request sketch showing modifications to Aviation type SE 1345 aircraft radio sets. W. Fwds Aeronautics 9/8 W To Comdt Washn- Fwds bprint 9/8 W
640051	9/6	To Mgr Phila vua Phila	Instruction books for Comdr Atl Fleet rqstd 9/6 W
640052	9/6	To San Diego	Rqsts inform on Radio matl on hand/ W RB 9/20. W.
640535	9/6	Aircrft Facty	Report cov flight of N-9 seaplanes. W.
640054	9/7	To Phila via Comdt	Supply of 200 watt self-regulating fans. W ~~Aircrft Facty.- Only one self regulating~~ fan in store. ? W. Phila- Only one fan in store 9/20 W. To Mgr Aircraft Fac Phila via Comdt- Ask disposition of fans W 9/30 Aircrft facty- 10/11 W.

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AEROPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
641375	8/1 9/13	Guam Aviation	Subm report on radio material. W.	
641493	8/30 9/13	Aicrft Facty Aviation	Request instructions rel to instln of radio equipt on DH -4-B-1 planes. W. To Aircraft Fac via Comdt- plans will be supplied with radio in stallations	9/30
641571	9/15	Aircrft Facty	Copy of letter to Aviation asking status of motor generator for Fleet air ship ZR-1 ordered from NCL Engineering Corpn. W.	
641780 TO CARD	8/31 9/15 266	Pacf.AircSqd. Aviation	Request aircraft radio spotting sets be furnished. W. To Atl Fleet Via Aero. Pac Fleet- shipment of sets 1/6 To Pac. Fleet via C-I-C- Gives inform 10/27 cc Atl Fleet 10/27	
641982	9/21	To S&A	1101 Re st shipment of transmitters from Phila to Squad no. 1 W PB 12/8 W Aircrfat Facty- Ask if shall remove dynometer and substitute wind driven generators. 10/5. W To Phila via Phila- Fwds inform 10/13 W Aircrft Facty- Copy action to S&A 10/27 W Aircraft Facty 11/1 W. Phila 11/2 W	

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Number.	Date.	From or To—	Subject.
640967	9/1	Aviation	Report on cause of fire in radio cock pit of PT airplanes. W.
641016	9/11	Pensacola (T)	Request main field coils be shipt with DC generator. W. To S&A Reqst shipment of coils from Washn to Pensacola 1079 9/15
640818	9/9	To 1st Dist RB 4th Dist.9/26 W	Aircraft Radio Transmitters- Test of W cc 1-3-4-5-6-8 Dists- CO Anacostia W Charleston 9/18 W Ham.Rds. Reports on test 9/18 W. 1st Dist. 9/18 W. 3d Dist.9/20 W.
641162	8/5	Philippine Air Dept	Request copies of Navy radio catalogs. W. To CO Philippine Air Dept- Fwds instrns books 9/30
641376	7/1 9/13	Guam Aviation	Subm report on aviation radio material. W.

AEROPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
642396	9/22	Pensacola (T)	Request 100 simon propellers be fum or authority be given to manufacture same. W. To Pensacola (T) Allotment and authority forwardedby Aeronautics W 9/23	
642418	9/20	Anacostia	Distance test of type SE 1385 aircraft transmitter; report covering. W.	
642419	9/20	Anacostia	Specifications covering 550 Watt transmitter equipt- recommendations coy changes in. W. To hspr mat GE- Gives modifications neccy to specens and requirements under the listed contract W X 56275-629 cc S&A- Annapolis 9/28	
643012	9/20	Pacf. Fleet	Copy if letter to Squadrons rel to combined training air craft and battleships covering fire control test W 647	

AEROPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
642020	9/15	Aircrft Facty	Copy of letter to Aviation submitting a list of miscellaneous instruments and equipt required for completion of fleet air ship EE-1. W	
642152	9/18 9/20	Aircrft Facty Phila.	Ask if shall desigh radio instln for free balloons. W. Phila- Request action. 10/3 W.	
641979	9/20	To S&A 1086	Reqst shipmnt of batteries from Washn to Phila W RB 1/26 W	
626563	FROM CARD 244		Aviation 9/21 Copy of action to Pensacola W ~~Pensacola- Request Electrodes be furn. 10/13 W~~ To Pensacola- has no order at pres. time for a small number of transformers and transmitters 10/21 Pensacola 11/27- W	

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AEROPLANES: RADIO 1922

Number.	Date.	From or To	Subject.
643186	9/30	To CO Anacostia	A C Spotting sets for Aircraft instruction book- gives inform W
643187	9/30	To Mgr Aircraft Fac phila via Comdt	Aviation-design problem 210 design of radio equipment for free balloons will furnish instrns cc Aeronautics 9/30
643731	9/28	Anacostia	Report on test of manufacturers model SE 1375 aircraft spotting set. W.
643759	10/2	Aviation	Request radio helmets be furnished air station at San Diego. W.
643719 to	card 262		

Number.	Date.	From or To—	Subject.	
636505 3	from card	254	To Phila- Fwds copies of shipment order serial 891 for Radio "B" batteries cc Phila 9/28 Washington- Shipment complete 11/1 W Fwds Phila- rel shipment of cc Wash 11/8	
56255	9/28	To Inspr Mat NY	Self-regulating radio generator fans- Deslauriers column mould Co Rqsts inform rel date of delivery of sample WS	629
56223	9/28	To Inspr mat NY	Self-regulating radio generator fans Deslauriers Column mould Co- Rqsts insorm rel date of Delivery. WS	629

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AEROPLANES M RADIO

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Number.	Date.	From or To—	Subject.
644445	10/6	Aircraft Facty	Copy of letter to Aviation rel to radio instln on experimental F-5 flying boats at Factory. W.
644335	10/7	To S&A 1228	Reqst shipment of fans from Phila to CO Anacostia W To S&A Reqst shipment of fans from Phila to Anacostia 1549 11/20
644795	10/6	Anacostia	Constance of antenna and direction finder for loop for scouting and spotting planes-report covering. W. Anacostia. 10/11 W.
644794 6	?	Anacostia	Rel to auth of standard screws for aircraft radio equipt. W. S&A- Copy action to Aircrft Fact . 10/30 W

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AEROPLANES: RADIO 1922

Number.	Date.	From or To—	Subject.	
643275	10/3	To Mgr Air craft Fac via CO Anacostia- Phila	Reports on airfan type FA 8- Fwds reports W Aircrft Facty- Fwds reports on air fan.	10/13 W
644165	10/2	Naval Intelligence	Quotes letter from Naval attache London states man travelling in England and supposed to be representatuve of Aero Marine Airways Co. made statement that they didnot use radio on planes in United States, as radio is not developed to such a point as to warrant instln of standard equipt. , W.	
644205	10/4	Aircraft Facty	Copy of letter to Inspr GE rel to shortages in shipts of trabsmitters. W.	
644284	10/4	Dept	Copy of letter to Atl. Fleet submitting recommendations cov aircraft communications delays, in conn with weather reports. W. Dept- Copy action to Atl. Fleet. 10/5- W. Dept- Copy action to Atl. Fleet. 10/14 W	

AEROPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
644694	10/10	To B.L.Smith T	Bureau Eng can supply 1310 aircraft sets Letter enroute Am instructing Aircraft Factory Phila show you equipment. W To Phila- T Smith Aero Marine Airways desires inform radio instln on plans. Furn inform. 10/10 W ~~Pacf.Air Sqds.--10~~ To Aero Marine Airways Co- Rqsts booklets be returned 10/14 W To Mr. B.L.Smith- Fwds inform rqstd 10/14 W To S&A- Submits estimates 10/25
645238	10/4 10/7	Pacf.Air Sqads. Pacf.Fleet	Submits report on radio control seaplane. W
645356	10/13	Aviation	Radio instln on class VS airplanes- fwds Martin drawing. W To Aero.-- Radio instln-- recomdns 11/23
645059	10/13	Aircrft Facty	Self regulating fan fwded to Anacostia. W To Nav Aircraft Facty Phila T Telephone instrns issued about 5 Oct ship immediately parcel post. 10/12 W

Number.	Date.	From or To—	Subject.
643719	10/10	To Squad No 1 via Squad Scoutg fleet- Comdr air force sctg fleet CO's- Stations listed	Radio transmitters on scouting planes- gives action ~~ce~~ Atl.Scouting Fleet- Suggestion and recommendations cov radio equipt. 10/29 W Atlantic Air Squad- 11/7 T Rqsts Air Craft Factory be authorized to make repairs to transmitter. W To Atl. Fleet (T) Gives action 11/6 To Atl. Fleet To Phila (T) Appvd W 11/8
644			
644985	10/9	Anacostia CANCELED	Failure of plate by-pass condensers type SE 1375- equipt- report covering. W
645123	10/6 10/11	Aircrft Facty Aviation	Request instructions cov radio instln on experimental F-5 flying boats. W. To Phila via Phila- Instln of transmitter authd 10/14 W cc Aeronautics.

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Number.	Date.	From or To—	Subject.	
56255	10/14	To Inspr GE	Cont for aircraft wind-driven generators W cc NNs	629
645513	10/16	To S&A 1316	Reqst shipment of mat from Pa c Fleet- to Phila W	
646068	10/17	Property Acctg.Off.	Ask what disposition is to be made of radio antenna loaned Smithsonian Institute. W To S&A- rel shipment of material 10/23 Property Acctg.Off.10/28 W To S &A-- satisfy cc Aero. 11/23 Property Acctg.Off.- Request action.11/24. W	
645241	10/19	To Mgr Aircraft Fac Phila. via Aero.- Phila Comdt	Ammeters Radiation- shipment of shld be expedited W	

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Number.	Date.	From or To—	Subject.	
645408	10/12	Aircrft Facty	Report on emergency transmitting test of Se 1370 tube transmitter on F-5 seaplanes To Mgr Aircraft Fac- Apprvd cc Comdr Air Squad Atl-Pac, stations- Pensa. Anacostia- P H- Coco Solo- Brown Field- Quantico Marine avia Detachment Guam 10/17 Aircrft Facty- 10/27- Request approval. 10/27 W To Phila- 11/1	W
~~TO CARD 265~~				
56223	10/13	To Inspr Eng Matl NY City	Rel to deviation of Wind Driven Generator Fans WS	629
14909- 521	10/3/22	C/C Pacf. Flt. Gen.	Communications- detailed instrutions for, in conn with control of Fire by Aircrft.	
14904-521	9/26/22	N.A.S. Anacostia Eng.	Radio telegraph- research problem No 97- A. Radio controlled airplane.	
14901-521	9/27/22	Eng. C/C Pacf. Flet.	Radio telegraph- Aivation design of aircraft receivers.	
645579	10/4 10/14	Pacf. Aircrft Sqdns. Dept	Subm report on radio control seaplanes. Fwds Oprns via rdn Aero. 10/25	W.

AirPLANE RADIO 1922

Number.	Date.	From or To—	Subject.	
646003	10/19	To S&A 1344	Reqst shipment of Helmets from Phila to CO Fac Fleet W RB 11/25 W	
56255	10/16	Inspr GE	Sample wind driven generator. Reasons for delay in submitting SW	629
646397	10/20	Air Fty	Reqt radio equipment be arranged for three #1 airplane W To Mgr Aircraft Fac via Comdt Phila if tests indicates that type will be satisfy a set will be furnished for instln in plane due to be completed in january cc Aero. 10/25	
647000	10/20	Air Craft Facty	Water tight power for boats. Fwds prints and samples W Air Craft Co 11/7 Rqsts action W To Phila- Ack receipt of letter. sample to be tested. 11/14 W	
647117	10/25	Anacostia	Fwds instruction wiring diagrams and photograph covering type 1375 Air Craft radio equipment W	

Number.	Date.	From or To—	Subject.
645333	10/19	To Navign via Dir Comm	Report from LANGLEY- is forwarded- invites attention to remarks W
645835	10/18	To S&A 1327	Reqst shipment of transformers from washn to CO LANGLEY W RB 11/2. W.
645839	10/18	To S&A 1329	Reqst shipment of amplifier from CO LANGLEY to SO Washn W RB 12/18 W
646002	10/19	To S&A 1342	Reqst shipment of amplifier from washn to CO Pac Fleet W

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Number.	Date.	From or To—	Subject.	
645408	FROM CARD 263		AIr craft facty 11/2 W. Pensacola 12/20 W To Pensacola - Gives inform rel monthly report 12/30	
647363	11/1	To Inspr mat NY	Self regulating fans blue prints- Requested W Inspr Brook 11/14 W	
648113	11/2	Aviation	Request Bureau issue shipt orders covering material at Aeromarine Co. W. Fwds S&A 11/7	

AIRPLANES: RADIO 1922

Number.	Date.	From or To—	Subject.
646900	10/25	To B L smith (T)	S&A handling supply sircraft radio- have been requested expedite instrns to aircraft Fac. W
647674	2/27	Naval Intelligence	Report on means of communications, to and from aircrft as used by French Navy. W
648057	10/31	Anacostia	Test flight of model M A type SE 1375 aviation - report covering with print W.
648071	11/1	Aircrft Facty	Equipt for scouting plane Sqd.1 during Winter exercises - comments on. W.
648087	11/4	To S&A 1423	Reqst shipment of mat from Anacostia to CO Quantico W

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Number.	Date.	From or To—	Subject.
648745	11/8	AirCraft Factory T	Rqsts immediate shipment of plate batteries W Air Craft Factroy 11/14 30 batt ries urgently needed. S& A 12/4 W
648818	11/7	Aricraft Factory	Rqsts disposition of radio vacuum tubes on hand W To Mgr Aircraft Fac Phila via Comdt- gives inform rel tubes cc Phila 11/20 Phila 12/7 Rqsts disposition of vacuum tubes W To Phila- gives action cc S&A 12/16
648868	no date	Pac Fleet	Copy endorsement to Aircraft Squadron rel to assigning 14 additional radio sets to F-5 boats for spotting purposes W
648416	11/9	To CO Hamp Rds	Planes for Atlantic Fleet- radio instln- gives instrns rel cc Comdr Air Squads Atl. Fleet- Mgr Aircraft Fac. W

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
648164	10/30	B L Smith (T)	Request assistance in tracing orders to aircrft factory for radio equipment. W.	
648339	11/1	Pensacola	Fwds photos showing damage to field coil at time of burning out with comment s on. W Fwds Insp mat GE 11/16 Rg 12/5 W To Pensacola- Gives inform 11/16	
641780	FROM CARD 258		Pacf .Air Sqds.11/6-T- W. Atlantic Air Craft Squads 11/6 Rqsts sufficient number of spitting sets be made available L	

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AIRPLANES : RADIO 1922

Number.	Date.	From or To—	Subject.
648619	11/11	To Atl. Fleet via Comdr-	Aviation- spotting sets for F-5 L Planes- Reqsts recomdns cc Atl Fleet WS Atl Battleship Force 12/2 W
649503	11/13	Anacostia	Copy letter Washington fwding to be shipped to 15th District W
649607	10/10 11/9	Guam M.I.	Rqsts 24 propellers for transmitter be furnished W Fwds S&A 11/18
649105	11/14	To Atl.Fleet Air Sqds.	Radio telegraph- Aviation- Fwding wate r tight plug for use on F-5-L planes- Request test and inform results. 11 W.
14901-521	10-28	CinC Pac -Eng	Radio Telegraph-Aviation- Design of Aircraft Receivers.
14938-521	10/28	Ordn Opern via Aeronautics	Radio Telegraph- Radio Controlled Seaplane.

AIRPLANES: RADIO 1922

Number.	Date.	From or To—	Subject.
648417	11/6	To S&A 1425	Reqst shipment of transmitters from Phila to Atl. Fleet W RB 1/12/23 W
649129	10/1	Guam	Report on radio material W
648624	11/10	To CO Anacostia	Assignment of new Research problem - Fwds suggestion W
648745	11/9	To S&A 1451	Reqst shipment of batteries from Washn to Phila W To Mgr Aircraft fac via Comdt Phila- Gives action cc Aem.- Phila Washn 11/11 Fwds - To S&A-- reqsts shipment be expedited cc Phila 11/21
649362	11/10	Atlantic Fleet	Rqsts 18 F-15 Planes to be used in Fleet maneuver be equipped with radio W

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Number.	Date.	From or To—	Subject.	
628466	FWD FROM CARD 247		Atl Air squadron 11/21 T R sts ation in connection with radio sets W Atl Fleet 11/22 T Approves recommendations W Atl Fleet 11/23 W	
650374	11/20	Aviation	San Diego Air Station rqsts vacuum tubes and batteries W To CO San Diego- mReqsts Inform 12/1 San Diego 12/11 Batteries rqstd will replace those in use W To CO San Diego - Reqsts inform rel batteries 12/27	

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Number.	Date.	From or To—	Subject.
650122	11/10 11/18	Quantico Marine Corps	Rqsts 18 Audion frequency amplifiers transformer be furnished W To S&A Reqst shipment of transformer from Washn to Quantico 1562 11/21
650124	10/18 11/18	Guam Aviation.	Submits report on Aviation radio matl W
650062	11/21	To Aero.	Conference between rep of army and navy on aircraft instln and demmunication Nov 9 Fwds report of W
650342	11/17	Washington	Report received of amplifiers for research lab from Radio Corpn W To Washn- Allotment sc. Anacostia- Washn Radio test shop 12/2

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Number.	Date.	From or To—		Subject.
650816	11/23	Aircraft Facty		Rqsts furnish 10 radio frequency amplifiers transformers for stock L To Mgr Aircraft Fac via Comdt- reqst for transformer 12/2
650319	11/21	To S&A	1564	Reqst shipment of receiver from Guam to SO Phila W Aircraft Fcty 10/5/23 Rqsts copy W To SO Phila via Comdt - Fwds co shipment order 1564 11/10
650320	11/21	To S&A	1565	Reqst shipment of amplifiers from Guam to SO Washn W
650321	11/21	To S&A	1566	Reqst shipment of amplifier from Washn to CO Squad 1 W

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Number.	Date.	From or To—	Subject.	
62 909	FWD FROM CARD 249		Aircraft Facty 11/21 W Phila 11/22 Fwds list of material recd.	W
649961	11/17	Aviation	3-HO-1 Airplane on contract 567982 Huff-Daland Co rel to furnishing pigeon boxes and radio sets W To S&A Reqwt shipment of equipment from Phila to Gen Inspr Dayton 1582 11/24 RB 12/30 W To S&A Reqst shipment of equipment from Phila to Gen Inspr Garden City 1581 11/24 RB1/8 W To Gen Inspr Aircraft- Fwds Vandyke xcc Aero. 11/29	

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
651397	11/24	Aircraft Facty	Reqst 50 helmets be furnished W. To Aircraft Fac via Comdt Phila- no helmets available W 12/1	
650660	11/23	To S&A 1573	Reqst shipment of mat from Phila to Pensacola W	
650764	11/28	To Pac Fleet	Aviation type SE 1345 sets- Reqsts report as to disp of component parts W To S&A Reqst shipment of radio sets from Phila to Pac. Fleet 1577 11/29	
651713	11/20 11/27	Scouting Plane Sqd.#1 Aircraft Sqds.	Fwds special aircraft radio report. W.	
651731	11/23	Anacostia Cancelled placed in Confidential File C 14879-521	Research problem 95-A- landing field indicator audio frequency system- report on. W	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
650326	11/24	To The Marine Airways	Regarding instln of radio equipment on HR-2-L flying boats.- Reqsts action taken cc S&A- Aero.	
651031	11/24	Wash	Use of audio and radio frequency transmitters. Fwds sketch in connection with W Fwds Phila via Comdt 11/20	
650654	11/23	To S&A 1569	Reqst shipment of tubes from Washn to CO Hamp Rds W	
650655	11/23	To S&A x 1568	Reqst shipment of transmitters from Phila to CO Hamp Rds W RB 1/3/23 W To CO- Hamp Rds- gives status of shipment 12/27 Torpedo Squad 1- 12/29 Material recd. W To CO- Hamp Rds (T) Ask if amplifiers received 12/30	

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Number.	Date.	From or To—	Subject.
651765	12/1	To S&A 1622	Reqst shipmt ~~of helmets from Anacostia~~ RB 1/10 W
		Shipmt Order Canceled	~~to San Diego W~~
			To S&A Reqst shipment of helmets from Anacostia to San Diego 1732 12/18
			To CO Anacostia - gives inform in conn. with shipment order covering 3/8
651769	12/2	To S&A	Aircraft Radio mat to be disposed of by sale- reqst of aeromarine airways incorporation W
652122	11/29	Anacostia	Report on test of pipe SE 1345 Air Craft equipment on F 5-20 W
652100	11/29	Anacostia	Modification of CE 935-A shaft generator for self regulating form. Fwds prints W

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Number.	Date.	From or To—	Subject.	
651822	11/21	Pensacola	Letter request #53- request two wind driven generators complete with propellers be furn.W	
651872	12/1	Air Craft Facty.	Rqsts 20 new design radio kites be furnished W	
651868	12/1	Air Craft Facty.	Rqsts 6 radiation ammeters be furnished W To Mgr aircraft Fac via Comdt- Gives inform 12/21	
651682	12/1	To S&A x1619	Reqst shipment of mat from Boston to Phila W	

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Number.	Date.	From or To—	Subject.
651918	12/5	To Mgr Aircraft Fac via Aero.- Comdt Phila	Radio instln type for atl. Fleet- prints shld be furnished stations concerned cc Aero.- Atl-Pac. Fleet- Pensacola Ried field W
651919	12/5	To Mgr aircraft via Comdt	Reqsts estimate be furnished for manufacture at aircraft fac. of spark gap electrodes W
651966	12/4	To S&A 1625	Reqst shipment of mat from Phila to Squad 1 W RB 3/13 W For cancellation of one item see AZ1/S67
652483	12/4	Anacostia	Interference test 1375 transmitters. Report covering W To Pac Fleet- Fwds reference 12/14 W

Number.	Date.	From or To—	Subject.
651770	12/4	To Mgr Aircraft Fac via	Comdt Radio storage batteries- purchase of- Reqsts be expedited cc Atl. Fleet W
651771	12/4	To CO Hamp Rds	Aviation-aircraft radio compass coils and helmets- inventory of W Hamp Rds 12/12 inventories of coils and helmets of W
651916	12/4	To Phila	Radio compass coils- Reqsts completion of be expedited cc Mgr Aircraft Fac Phila- Comdr Atl. Fleet W Phila 12/9 W To Atl. Fleet- Fwds corres. cc Mgr Phila 12/16
652207	11/16 11/20 12/4	S&A War Dept Aviation.	Rqsts 5 air craft radio sets be furnished by signal corps and delivered to Anacostia tation W Fwds Aero. 1/5/23 Aeronautics 12/27 Rqsts action WR

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Number.	Date.	From or To—	Subject.	
652122	12/8	To C-I-C Atl. Fleet Pac- Fleet- CO Pensacola	Radio equipment- test of on F-5-L- Fwds corres. W	
652181	12/8	To Mgr Aircraft Fac Phila via Comdt	manufacture of kites- reqsts estimates W Phila 12/29 Submits estimates W To Mgr aircraft Fac via Comdt Phila- Estimate appvd cc Aero. W 1/13	
6 653079	12/7	Anacostia	120 watt self regularing fans furnished by Deslauriers Co rel to overcomming trouble with W To Comdr aircraft Squads AROOSTOOK- - comments- 12/19 To Comdr Aircraft squads- - gives Action 12/19	

Number.	Date.	From or To—	Subject.
651713	12/6	To Squad 1 via Atl. Fleet-	spec. aircraft radio report- rel delivery of spark gapelectrodes W
652100	3/12/23	To Washington	Modification of Generator shaft for Self-Regulating fan- Fwds print W
652575	12/1	Pac Fleet	Copy letter to Air Craft Squadron asking if ammeter can be replaced provided new thermo elements are furnished W
652806	12/8	Aircraft Factory	Rqsts shipment of be fwd covering transfer of amplifier to Washington for conversion to type SE 1805 W To S&A Reqst shipment of equipments from Phila to CO 1690 12/9 RB 1/3/23 W

Number.	Date.	From or To—	Subject.
653550	12/11	Anacostia	Instructions for modified Type SE 1300 generators for use on type SE 1375 transmitting equipment Station. Fwds photographs W ANACOSTIA 12/15 Report on discrepancies in transmitting equipment Y To Squad 1- Gives action 5/18 cc Aero, Bat Fleet- Scouting Fleet- Phila 5/18/23
653237	12/13	To S&A #1716	Rqsts shipmt of batteries from Wash to USS WRIGHT W RB 4/23 W
653629	12/8	Anacostia	Fwds report from A H Taylor covering multiple reception of coupling tubes and rejectors W To S&A - Fwds invoice 5/18/23
653630	12/8	Anacostia	Fwds report form AH Taylor rel to new method of reception using regeneating tubes with radio. W To S&A - Fwds invoice 5/19/23 To S&A - Fwds Invoice 2/29

Number.	Date.	From or To—		Subject.
652648	12/9	To S&A	1682	Reqst shipment of tubes from Washn to San Diego W RB 2/7/23 W
652649	12/9	To S&A	1683	Reqst shipment of transmitter from Anacostia to San Diego W
652804	12/9	To S&A	1688	Reqst shipment of equipment from washn to CO W RB 4/18 W
652805	12/9	To S&A	1689	Reqst shipment of equipment from Phila to CO W RB 12/30 W
653310	12/11	Inspr GE		Rqsts specifications for type SE 1390 transmitting equipment W Inspr GE - No Date Rqsts action W To Inspr mat GEe Fwds specens 12/22 To inspr mat GE- Fwds prints 1/3/23

FILE No.	From or To— (Dated)	Subject.	
653761 12/15	Aviation	Fwds copy of circular letter stating Engineering has cognizance over battery used for radio work on Naval Aircraft W X to Cognizance	
654047 12/16	Aircraft Facty	Copy of letter to Aviation asking if radio is to be ins alled on DH-4 plans W	
654047 12/16	Aircraft Facty	Copy of letter to Aviation asking if radio is to be installed on H-16 boats W	

654281	12/21 CANCELLED	9th Dist	T	Stations placed out of commission W
654582	12/22	Ordnance		Rqsts loan standard DC generator for test of gyro-scopic instrument in Airplanes W To S&A Reqst shipment of fan from Phila to SO Washn 1844 1/4/23 RB 4/16 W Aircarft Facty. Have no self regulating fan in stock that fits shipmt order requirements. W To S&A Reqst shipment of fan from Phila to Washn 2087 2/3/23
8 654639	12/12 12/22	Laurentide Air Service Aviation		Ask if bureau has surplus radio material for sale. W Fwds Mgr- Aircraft Fac Phila via Comdt 12/30
654839	12/16 12/22	Air Craft Facty Aviation		Ask if radio apparatus will be installed on H-16 flying boats. W

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AIRPLANES: RADIO

1922

Number.	Date.	From or To—		Subject.
654245	12/22	To S&A	1749	Reqst shipment of amplifiers from P H to SO Washn W
654245	12/22	To S&A	1748	Reqst shipment of amplifiers from San Diego To SO Washn W Pearl Harbor. 2/3 Report on status of shipment W
654247	12/27	To S&A	1755	Reqst shipment of fan from Anacostia to Deslauriers Column Mould Co W
654403	12/23	To S&A	1760	Reqst shipment of transformers from Washn to CO W RB 1/9/23 W
655049	12/16 12/27	Aircraft Facty. Aviation		Ask if radio is to be installed in DH-4 planes. W Fwds Aero. 1/5
654678	12/27	To S&A	1786	Rqsts shipmt of equipment from Wash to Amp Rds. W RB 1/22/23 W

[OVER.]

Number.	Date.	From or To—		Subject.	
654128	12/22	To S&A	1747	Reqst shipment of equipment from Washn to SO Phila W RB 5/7/23 W To S&A Reqst shipment of equipment from Washn To- Phila 2645 4/19	
654398	12/22	To S&A	1757	Reqst shipment of tubes from Phila to Scouting Fleet W RB 1/6/23 W	
654829	12/20	Acnaostia		Performances of transmitters during photographic operation with NEVADA. Report covering W	
654848	12/3	B.V.McDougald		Ask where can obtain type SE 950 radio receiving set W To B V McDougald- cannot be of any assistance W 12/28	

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N. Eng. 134
AIRPLANES: RADIO 1923

Number.	Date.	From or To—	Subject.	
654934	1/4/23	To C F Redden-	Gives Inform rel instln of radio material W To C F Redden - Gives Action taken 1/24/23	
14953-521	11-18-22	N.A.S.Anacostia- Bu Engineering.	Radio Telegraph- Research Prob. No. 97A Radio Controlled Airplane.	
515161	FWD FROM CARD 191		Inspr Schen. ~~3/23 Rel to return of~~ loaned material W	
488750	FWD FROM CARD 187		Great Lakes 4/12 Transfer of funds to cover material loaned Minneapolis and transferring to Reserve force. W Fwds S&A - Reqsts Action taken cc Navign 4/20 To S&A - Reqsts Action taken cc Navign 4/19/23 Prop. Act office- Rqsts action W To S&A--Directs invoice to Great Lks. 7/3/23 S&A 7/9 Lists apparatus invoiced W	

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Number.	Date.	From or To—	Subject.
655105	12/23	Aviation	Weekly operation report W
654684	12/29	To Mgr Fac Phila- CO MARYLAND	Aviation MARYLAND- Radio instln on shippplanes W. To Aircraft Fac Phila- COMARYLAND- Rel Instn on shipplanes gives inform 12/29 To Phila (T) 1st Dec 29 re instln on seaplanes cancelled 1/18/23
654924	12/29	To Crocker-Wheeler Co	- Self- Regulating fan- gives instrns rel W
655395	12/30	To S&A 1815	Reqst shipment of transformers from Phila to SO Washn W. RB 3/15/23 W Air Craft Facty 2/16 Reports removal of 68 transformers. 19 beyond sale. W To S&A Reqst shipment of tramsformers from Phila to SO Was n 2217 2/20/23

Number.	Date.	From or To—	Subject.
347128	9;9	West Elec Co	Fwds detailed drawings of radio tel transmitters and receiving sets with two stations interphones. W
347998	SEE CARD 76		
347169	9;10	International Radio Co	Airplane transmitter; req additional infor two letters. W
334040	9/10	To S&A	States that apparatus covered by ref (a) is being supplied by this B. under ref.(b) & (c).W To Inspr GE- Reqts that shipmt reqt of 9-10 be amended 12-28
342510	9/10	To S&A	Reqts. shipt. of radio apparatus from Wash. to & for Wash. To S&A fwd letr Sig Cop 7/9 under cog of 7/14 To S&A fwd enclosures 7/25
		To Inspr GE- req info when shipmt be made 7/30	
344040	9/10	To S&A	Reqts. shipt. of radio apparatus from Schenectedy to & for Wash. W
346454	9/11	To Western Elec. Co.	Reqts. to furnsih drawings of Nav.type amplifier to USA. W W.E.Co. Oct. 15 Reports fwding prints to Army W
346914	9/12	To Cutt & Wash.	Reqts. detail drawings of base brackets. W C&W- Fwds print of base brackets. 9;19
347342	9/13	To S&A	Reqts. shipt. of rad. apparatus from Brook. for & to Inter.R.Tel.Co. W R. B. Oct. 17
347343	9/13	To S&A	Reqts. shipt. of rad. apparatus from Brook. to & for GE Co. W To Inspr GE shipmt authorized 11-6
346470	9/12	To S&A	Reqts. shipt. of rad. apparatus from Brook. to Great Lakes for aircraft. W received back 9;30

N.S.E. Form 134.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
348419	9;13	Williard Storage Boat Co	Fwds additional list of personnel. Willard Storage Battery Co- Gives additional names of men. 9:25 Williard Storage Boat Co- Sub additional names. 10;3	
347341	9/14	To S&A	Reqts. shipt. of radio apparatus from Gloucester to Cape May for Air Sta. W	
342314	8/27	Hampton Rodas	Sub report of instal of seaplane radio com on HS-2 seaplane 1599 W	718
347337 SEE CARD 78	9/17	To Airsta, Chatham To CO Air Sta. Re author. allow. of Aircraft Rad. repair & install. material 10/7 Montauk 10/11 Request station be furnished with tools & supplies listed	Authorized allowance of Aircraft Radio repair & install. material. W To NY. Gives list of radio apparatus for aircraft. 9/18 To---Author. allow. of rad. repair & install. material 10/3	
348751	9/17	To Airsta, H.Rds.Norf.	Reqts. weekly report re operation of rad. apparatuson aircraft. W Hampton Roads- Fwds report. W Hampton Rds-Fwds weekly report. W 9;28	
349291	9/18	To S&A	Reqts. shipt. of radio apparatus from Brook. to Gloucester for stock. W E.J.Simon Sept. 27 Submits invoice	
350103	9;16	Cape May	Fwds report, maintenance, and operation aircraft apparatus. W	
350245	9;16	Chatham	Weekly report. W	
349656	9/19	To S&A	Asks to have shipt. traced. W	
347344	11;1	GE	Cancelled shipment.	

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DUPLICATE 69

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
318197m	10/11	Rockaway	Submits weekly report W
		Key West 11;18	S.D. Oct. 5
		Rockaway- 11;29	Key West Oct. 15
		Montauk- Report on radio apparatus. W	Hampton Roads Oct. 19 Submits plane equipment report
		Pensacola-List apparatus listed 11;30	Chatham Oct. 18
		Pensa. weekly rep. 12/17	Miami Oct. 14 - Fwds report
		San Diego weekly rep. 12/7	Key West 10;21
SEE		Key West-Fwds weekly report. 12;16	Miami-Fwds weekly report 10;25
OTHER		Pensacola-Weekly report 12;14	San Diego-Submits report. 10;19
SIDE		Miami - Submits report 12;28	Rockaway-Fwds weekly report 10;25
		To Pensacola-Asks report showing No of dirigibles and radio app installed in them 1-3	Hampton Roads-Fwds equip report. 10;26
		Miami 1;3	Rockaway-Submits report 10;18
		San Diego - 1;4	No of Dirigibles and radio 10;26
		Miami-Weekly report. 1;10	Pens -Weekly report 10;26
		Key West 1;20	Key West-Sub weekly report 10;30
		San Diego-Sub weekly report.	Hampton Roads-Fwds equip report. 11;1
		Pensacola-Submits report 1;22	Chatham - 11;2
		Received back from New Orleans 1;27	Rockaway-Fwds weekly report 11;8
		Pensacola 2-3	Hampton Roads-Fwds weekly report. 11;8
			Bay Shore - 11;13
			San Diego-11;9
			Rockaway- Submits report. 11;13
			Miami- 11;15
			Hampton Roads-Sub weekly report. 11;19
364496	11-5	To Rockaway	Rqst no changes be made re method of install type GE 615 transmitter W
364702	11-5	To C&R	Re authorization of install of radio apparatus on pusher type dirigible at Akron W
365507	11-5	To Crocker-Wheeler	Comments and returns sample lugs submitted W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
318197	FROM OTHER SIDE		San Diego 2-1 Weekly report	
			Cape May- Weekly report 2;9	
	Hampton Roads - 4/29 - W		Hampton Roads - Weekly report 2;8	
	8th Dist - 4/28 - W		Chatham-Weekly report 2;10	
	8th Dist - 5/4 - W		To C&R- reqst prints be fwd showing bottom top and	
	Rockaway - 5/8 - W		side eley of C type dirigibles 2-27	
	Cape May - 5/10 - W		Miami 2/28 Fwds radio report -	
			Rockaway- 2;28 Weekly report.	
			San Diego-Fwds weekly report 3;1	
			Rockaway-Weekly report 3;7	
			Chatham 3-3 Weekly report -	
			To Air Stations- fwds reports 3-13	
			4th Dist - 3;15	
			Pensc- 3;15	
			To Rockaway Beach 3-20 requ weekly reports	
			be submitted in duplicate.	
			Chatham-Weekly report 3;24	
			Hampton Roads-Weekly report 3;24	
			Cape May 3;22	
			Rockaway Beach 3;27	
			Montauk- 3;31	
		Cape May-	Fwds weekly report. 3;29	
			Akron 4/15	
			To Miami- info req installn removed 6/24	
			To Cape May- reqst disposition of receiver shown	
			waiting for survey letter of 7/14 7/25	
			Rockaway Beach--9;9	
			Anacostia 9-8	
			Chatham 9-8	
			To Coco Solo- req copy of photo 9/12	
			Cape May - 3/15	
			Coco Solo - 3/6	
			SanDiego - 3/13	
			Pacific Air Detachment - 3/13	
			Pacific Air Detachment - 3/13	
			Pacific Air Detachment - 3/13	
			Cape May Air Sta - 4/12 - W	
			SanDiego - 4/30 - W	
			Fwds C Pensacola 11/11	

Number.	Date.	From or To—	Subject.
345105	9;4	C&R	Req information as to design and location of wireless equip operators bench and shelf on F-5 flying boat W
345463	9;5	C&R	Req make some arrangements that radio com can be maintained during test flights between Twin Engine Terminal Akron and Akron Flying field. W To------ Asks to be informed when a flight is made by Twin Engine Dirigible. 9/7 C&R- First flight of twin dergibles. W 9;12 To C&R Asks to advise in advance dates on which you wish tests made. 9/20 C&R-9;26
345474	8;24 9;5	Loughead Aircraft Co C&R	Are not ordering material for install of Wireless HS-2 boat same not specified in contract 3469 W Fwd. Operations. 9/7
318197 See CARD 71		See card 56 Pens - Weekly report on aircraft radio apparatus. W 9;7 To Rockaway. Reqts. report on burning out of transformers 9/13 Miami-Fwds report W 9;14	To Miami. Reqts. weekly report. 9/6 To San Diego, Reqts. weekly report. 9/6 Key West - Tel Pens- Weekly report fwd. 9/9 Rockaway-Fwds rep 9;18 Bay Shore - 9;9 Pens-Fwds report. 9;17 Rockaway Beach - Reports on radio apparatus W Bay Shore-Sub report 9;18 Key West 9;16
344042	9/6	To S&A	Reqts. shipt. of radio apparatus from Brook. to Gloucester for places listed. W Shipment order dated 9/26 R. B. 10/14
344486	9/6	To Adams-Morgan Co.	Gives list of requis. in preparation. W
344496	9/6	To Inter Rad.T.Co.	Fwds. drawings. W

N.S.E. Form 134.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
345499	9/7	To Insp. Brook. 882-3	Reqtd. that inspecteion of sets be passed without motor generator. W
340537 See CARD 67.	9/9	To S&A	Reqts. shipt. of radio apparatus from Rockaway to & for Sperry Gyroscope Co. W
345497	9/7	To Dir. of Inspect. (T)	Asks how to get in touch with Capt. Vivyan. W Kenyon-Gives Captain Vyvynass address W 9;7 Major Pollyblank, Fort Wayne, reply in mail. W 9;14
346252	9;6	Marconi Co	Asks if shall furnish instruction books to students assigned to their work. W To Insp. Brook. Gives instruct. re instruction books at Marconi's. 9/12
346017	9;6	Hampton Roads	Crocker Wheeler decometer for aircraft equip, fwds report on test.
346030	9;6	Sperry Co	Constant spped fan for driven aviation generator, fwds prints. W
346662	9;9	Marconi Co	Grants authority to divert two sets for Navy order 2916 to Signal Corps: W To—— Action meets with approval. 9/13 Marconi Co -Req bureau advise War Dept of change 9;17 To——Will advise as soon as decision reached. 9/21 To——Replying to let. of 9/17 re author. to change design of sets. 9/26

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
342501	8/30	To CO Rockaway	Representative author. to visit sta. W
342668	8/30	To Western Elec. Co.	Impossible for representative to visit Nav. Air Sta. W
342669	8/30	To Co Air Sta.Norf.	Reqts. recom. be fwd. re most durable type of airp.antenna wire for standard. W
342681	8/30	To Marconi.	Reqts. # of pliotrons on hand & # nec. for testing. W To S&A Reqts. shipt. of radio apparatus from Schenectady to Roselle Pk. for Marconi. 9/16
CARD 77		To——Shipt. orders have been issued for tubes. 9/16	
Carconi Co. 10/7		8 pition rec'd G.E.Co.	
343394	9/3	To S&A	Reqts. shipt. of radio material from Wash. to NNews for ARKANSAS. W Langley-Rep Colonel Patterson no longer in com. 9;11 To N.Nws. Re shipt. of vacuum detector tubes shipped to Langley Field. 9/19
343432	9/3	To Air Sta. H.Rds.	Reqts. permission for flight tests on flying boats. W To——Certain civilians author. to visit station. 9/16
To Int'l Radio Telegraph, authorizes Kroger report radio laboratory, 10-9			To Internat'l Radio Tele, M E Fultz authorized to visit Radio Laboratory, 10-2 To G E, authorizing Kinney and Payne to proceed to Radio laboratory, 10-9
343694	8;31	G L Martin Co	Asks when MrCullough can return to Wash. to make radio test. W GLM CO-Req reply to tel 8;30 9;6
343435	9/3	To Airc. Production Bd.	States that receiver described will no longer supplied as stand. equipt. W
344037	9/3	To Sims. (T)	Re British flying boat practice & radio equipt. W
To Operations Action taken to make nec. corrections. 9/23			Sims-Copy 4271-arrangements corrected. W 9;7
303861		See CARD 49	To Insp. Brook. States that orders have been reqtd. for Ensign Hathaway to report to Insp. Eng. mat. 9/4
		Inspr Brook. 4:24 To Brook-Transfer of two men. 4;29	Inspr Brooklyn - 9;3

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N.S.E. Form 134.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
343437	9/4	To Nat. Elec. S. Co.	Drawing encl. for information. W
344039	9/4	To S&A	Reqts. shipt. of radio apparatus from Brook. to CO for Akron. W received back 9;16
342510 see card 146			
344151	8;31	Lalley Elec Corp	Sub quotations on gas driven generator set equip with charging panel. Lalley Co- Is fwd prints. W 9;3
344968	8;30	War Industry	Airplane radio tel transm sets, req report on troubles experienced with and sub rec for overcoming.
343431	9/3	To Inter. R.T.Co.	Author. to visit Air sta.Norf. 9/5. W
343436	9/5	To Inter.R.T.Co.	Fwds. drawing. W
344484	9/5	To S&A	Reqts. shipt. of radio material from Gloucester to & for Paulliac. W To Gloucester. Gives instructions for disposition for parts fwd. 9/6 Gluscester- Submits report. W 9;16

AIRPLANES : RADIO

Number.	Date.	From or To—	Subject.	
337798	8/21	To S&A	Reqts. shipt. of radio apparatus from Boston to Rockaway Beach for Air Station. W	
337799	8/21	To S&A	Reqts. shipt. of radio apparatus from Boston to Montauk Pt. for Aircraft. W	
To Adams-Morgan re delay in del of aircraft radio wing insulators, 11-23			To Inspr Boston Rqst if shipts made 11-16	
To S&A Reqts. cancell. ship.Ord.of 8/21.12				
To S&A Rqst amending shipt order 11-13				
337802	8/21	To S&A	Reqts. shipt. of radio apparatus from Brook. to Montauk Pt. for Aircraft. W	
To Montauk (T) 9/4		Asks what material desired Montawk 9;7	Montawk-TEL-Req ship be expidited.	
337803	8/21	To S&A NY - 9;6 TEL	Reqts. shipt. of radio apparatus from Wash to Montauk Pt. for Aircraft. W	
To NY (T) What material wanted ? 9/4			NY-Req shipment be expidited. NY-Mes sent from NY 9;30 T	
To NY(T) What material wanted ? 9/25				
337804	8/21	To S&A	Reqts. shipt. of radio apparatus from Brook. to Cape May for Aircraft. W	
To S&A Reqts. shipt. of rad.apparatus from Brook. to be amended. 9/12			To S&A amending shipt order 8-21, 11-13	
337805	8/21	To S&A	Reqts. shipt. of radio apparatus from Wash to Cape May for install.Aircraft. W	
337806	8/22	To S&A	Reqts. shipt. of radio apparatus from Brook. to Norf. for Aircraft. W	
To S&A Reqts. shipt. of rad. apparatus from Phila. instead Brook. 9/4			To S&A Reqts. shipt. of rad. apparatus from Schenectedy to Norf. for Aircraft. 9/3	
ToS&A req canc SO 9-3-18 3-28				
340271	8/22	Council of Natl Def	Fwds report of officers and engineering division on short range radio and aeronautical research in England	736
37979	8/19	Inspr Mas s	Submits report of test on one of Aircraft radio transmitters on contract W	629
340346	8/19	Miami	Submits troubles experienced with Simon KW panel	1/2 736-36
344718	8/12	Sims	Copy 2744 Radio eqpt for aircrft and shore stations urgently needed Asks when shpt will be made	736-9

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
337057	8;21	Inspr Cleveland	Fwds to Old Number	
340537 See CARD 69	8;20	Sperry Co	Reqst loan for 1/2 k w Simon gap airplane radio set for test of radio apparatus. To----States that Com.3rd.Dist. has be reqtd. to autho. erect. & use of antenna. 9/3	
335836	8;16	Sims Copy 3009 See Card 65	Lt Vaughan left England for Washingto with complete data. W	
	Sims Oct. 17 Copy 7194 - asks when transmitting set will be fwd. W		Sims-Copy 5460 Req take step to prevent publication of information 9;25 To SecWar. Retg. that steps be taken to prevent publication of Patent Coast improvet. British direction finder. 9/28	
			Sims-Copy 2239-Sug substitution of 3 stage high frequency amplifier. 3;3 W	
341328	8;19 8;23	Inspr Crocker Wheeler Inspr Brooklyn	1/2 kw airplane generator fwd, inspec criticisms, navy type CR 935 W	
342257	8;23	War Dept	Reqst production of 100 transmitters sets and spares be discontinue. W To----Reqts. that order 40415 be cancelled.9/4	
342503	8/30	To Norf.	Reqts. information re test installation of transmitting set. W Hamton Roads 9;3	
342582	8/31	To Nav.Avia.Detach.Akron.	Re installation of Apparatus in Twin-engine Dirigible. 8/31	

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[OVER.]

Number.	Date.	From or To—	Subject.
338081	8;15	E J Simon Co	Copy of letter to Inspr Brooklyn, fwds print of boat radio transmitter. W
338482	8/16	Dept	Copy of letter to Hampton Rds assigning 2 F-5 seaplanes to station for test purposes - W
338476	8/16	Copeley Mfg Co	1/2 KW power boat unit shipped to Norf has not been claimed by yard; rqsts action - W
337054	8/17	To S&A	Reqts. shipt. of radio material from Clev. to Rockaway Beach for Air Sta. W
		Fwd 17th received back 9;24	To Rockaway Beach. Reqtd. copy encl. be retd. when apparatus ref. to is rec'd. 8/19
337057	8/17	To S&A	Reqts. shipt. of Radio material from Clev. to Good Yeard Flying Field, Ohio for aircraft. W
			To Insp. Clev. Reqts. that he have batteries on hand at Suffield 8/22. To Insp.Clev.(T) Expedite shipt. of Batteries. 8/21 Rec back 8;29
337483	8/17	To Operations	Re installation of radio transmitting & rec'g. station on Fishermans Island. W
		To——Re establishment of airc. fuel sta. at Fisherman Is. 9/11	New York-9;3
		To 5th Dist. Re establist. of airc. fuel sta. Fish. Is. 9/12	To Comm. Comments reqtd. re proposed rad. sta. Fisherman's Is. 8/23
337485	8/17	To S&A	Reqts. shipt. of radio apparatus from Brook. to Pensa. for Aircraft School. W
		To S&A Rqsts amending of shipt order 11-13	
		To S&A Rqst shipmt radio apparatus Brook be cancelled 9-30	
337494	8/17	To S&A	Reqts. shipt. of radio apparatus from Brook. to Rockaway Beach for Aircraft. W
		To S&A Reqts. shipt. of rad. apparatus from Brook. to Rockaway for airsta. 9/5 To Insp.Brook.Return of corrected copies.9/25	
337807	8/17	To Air Sta. H.Rds.	Encl. drawings . re signals on aircraft. W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
338104	8/17	To GE Co. (T)	Rush dels. watt tubes for Marconi. W
337486	8/19	To S&A	Reqts. shipt. of radio apparatus from Wash. to Pensa. for Air Sta. W
337487	8/19	To S&A	Reqts. shipt. of Rad. Apparatus from Boston to Pensa. for Airc. School. W
337488	8/19	To S&A	Reqts. shipt. of rad. apparatus from Boston to Key West for Aircraft. W Inspr Mass-Copy of let to Key West stat Ford transm shipped 12:17
337489	8/19	To S&A	Reqts. shipt. of rad. apparatus from Boston to Miami for Aircraft. W Inspr Mass 12:16-Copy of letter to Miami stat addition test sat. 12:16
337490	8/19	To S&A	Reqts. shipt. of rad. apparatus from Boston to Pensa. for Aircraft. W
337795	8/19	To S&A	Reqts. shipt. of rad. apparatus from Wash. to Rockaway for Aircraft. W Shipment order Aug. 19 Received back 16th Oct.
337797	8/19	To S&A	Reqts. shipt. of rad. apparatus from Boston to Norf. for Air Station. W To S&A Same as above for Cape May. 8/19
338107	8/19	To Insp. Brook.	Confirming tel. conversation Ensign Green is authorized to sign inspect. tags on airp. rad. material being purchased that he has tested. W
338437	8;18	C&R	Wire for radio installation M-2 boat, fwds prints. W
339198	8;19	S&A	Cont covering airplane radio transm. sets relative to modification of. W

AIRPLANES : RADIO

Number.	Date.	From or To—	Subject.
333738	8/7	To GE Co.	States that type # CG 1130 is assigned to sets rather than #CG 1103. W To GE Co. (T) Omit type # from 10 large flying boat sets. 8/6
334500	8/7	To Chatham	Fwds. 10 sheets Form NSE 268. W Mare Island Station 8;10 Bay Shore 10;1
336336	8;12	Sims Copy 2744	Require radio equipment for aircraft and store station, aviation. W
334576	8/9	To C&R	Deemed advisable that separate storage batteries be used. W
335143	8/9	To Gen. Rad. Co.	Reqts. markings so that manner of connection of set will be clearly evident. 8/9
335395	?	To S&A	Reqts. shipt. of compass receivers to H.Qds for Air Station. W
334571	8/10	To Operations.	Reqts. that no one be admitted to Air Stations unless they written permit. W
335402	8/10	To Western Elec. Co.	States Mr. Johnson willvisit. W
335403	8/10	To Air Sta. Chatham	States Mr. Wells will visit. W
335836	8/10	To Operations.	Re having available a flying boat for experimental work. W
To Sims (T) Re 8/23		shipt. of rad.transmitters. CARD 67	Sims - Copy 3009 - corrected copy 8;16 Dept-Req action.
303288	7/31	To S&A	To Dept 8;21 Reqts. shipt. of radio apparatus from Wash. to NL for experimental sta.

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N.S.E. Form 134.

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
336287	8;9	Hampton Roads	Reports on 500 watt wind driven sets submitted by International Radio Co.	
334575	8/13	To S&A	Reqts. shipt. of rad. apparatus from Brook. to Pensa. for Rad. School. 8/13. To S&A. Reqts. shipt. of rad. apparatus from Brook. to Pensa. for Rad. School. 8/14 To S&A Rqst cancellation shipt order 11-13	
335874	8/13	To S&A	Reqts. shipt. of rad. apparatus from Wash to & for Radio School. W received back 9;24 Pens- Material received 9;6 "	
337200	8;13	C&R	Radio transmitter foundation for H 16 flying boat. W Fwd C&R 10-11 To C&R Re inter-connection of brace wires on Flying Boats 10/26	
337323	8;12	H C Co	Fwds copy of report of test made by bureau of Standards 1200 watt fan driven airplane generator for use in connection with radio transmitter. W	
337798	11;21	Shipment Order	Old Number	
~~339081~~	8;14	Phila WRONG ENTRY	Dies for mfg parts of Standard switch, fwds prints and reqst authority to mfg. L	

AIRPLANES : RADIO 1918

Number.	Date.	From or To—	Subject.
332520	8/2	To S&A	Reqts. shipt. of radio apparatus from Brook. to Chatham for Air Station. W Shipment order 8;6 received back 8;10
332757	8/2	To 3rd. Dist. via BUNav. 632	Reqts. exam. of men listed for Ensigns .
331977	8/2	Fwd. 3rd. dist.	For comments on recommendations. Ret. of papers reqtd. W
332275	8/5	To S&A	Reqts. shipt. of radio apparatus from Brook. to Great Lakes for Training Station. W received ~~back 9;15~~
333277	8/5	To British War Mission, Wash. FQ	Gives information re tests on aeroplane rad. apparatus made by Cutt. & Wash. . W
333278	8/5	To H.Rds.	Reqtd. that all defective vacuum tubes be retd. to GE Co. W
333279	8/5	To Inter. Rad. Tel. Co.	Fwds. drawings listed . W
333456	8/5	To Western E.Co.	Asks to expedite material for Gen. Radio Co. W West E M C 8;8
333273	8/6	To S&A 7079	Reqts. shipt. of radio apparatus from Pensa. to Great Lakes for Training Sta. W Received back 9:30
334344	8;3	Washington	Radio resuction on airplane, report on fwd. W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
334426	8;3	West Elec Co	Fwds copy of correspondence with Craft in connection with airplane radio phone transmitter sets etc. sub plans of work in connection with. W	
335047	8;2	Communication	Copy of endorsement realtive to training personnel. DA	
329932	7/23	Pearl Harbor	Tel-Oahu-Rqst auth to instal radio set for comm unicafion with airplane in coast artillery fire.	852
336877	8;13	Sims Copy 2766	Reqst expidite radio apparatus as much as possible. W	
336493	8/15	To H. Rds.	Fwds. sample of standard Airc. antenna. Reqtd. to be furn'd. with report re same. W	
337059	8/15	To Air Sta. Norf.	Reqtd. that they furn. report on test on generator set. W	
337479	8/15	To S&A	Reqts. shipt. of radio apparatus from Wash. to Norf. for Air Sta. W	

Number.	Date.	From or To—	Subject.	
331448	7;25	War Dept	Cannot transfer radio generator on order, are at present urgently needed by army. W	
331979	7;26	Naval Communication	Fwds report of Montawk.	
331361	7;18	War Dept	Recontinue use of Simon Airplane tel sets W	
327620	7/31	To Inter. Rad.Tel.Co.	Fwds. drawings of aircraft antenna repl type SE12999W To Gen. Rad. Co. Fwds. drawings of aircraft antenna reel type SE1299. 8/1	
330381	7/31	To Cutt. & Wash.	Asks that 1 set of instruct. be included with each shipt. of transmitters. W Cutting & Washington - 8;6	
331046	8/1	To 4th. Dist. 615.15	Reqts. that space be reserved for storing aircraft rad.apparatus. W	
331047	8/1	To CO Chatham	Ensign Saderwater will visit Air Sta. Chatham within several days. W Chatham-Fwds weekly report.	

N.S.E. Form 134.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
333332	7;30	Pensacola	Fwds copy of correspondence, reqst copy of report entitled specifications for radio airplane equip. W
333571	7;3	Marconi Co	Fwds copy of shipping list of flying boats radio transmitters. W
333814	8;2	Internation R T Co	Fwds print of duplication of radio transmitter showing connection. W
333567	5;7	Cutting & Washington	Sub schedule of shipment of generators for airplanes sets from Crocker Wheeler Co W
333983	8;2	Inspr Curtiss	Confirms tel conversation in connection with whom should be consulted relative to contract and requisition covering magnetoes and radio attachment W
To Insp. Buffalo Not nec. to have magnetos equipped with rad. connect. on magneto yoke. 8/9			
332518	8/2	To Air Sta. Norf.	Reqts. shipt. of transmitter to Inter. Rad. Tel. Co. W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
329917	7/25	To West. Elec. Co.	Confirming tel. conversation of 7/24 re water-proof cover. W West Elec Co. - TEL: Asks serial number to be used. W 7:29 West Elec Co 7:29 To-----(T) Serial #s tel. sets are 1-100.W
330246	7;24	Marconi Co	Reqst specific information in connection with shore plugs to be connected with bat. W To----- States that specific information on plugs will be fwd. later. 8/5
330626	7;24	West Elec Co	States Mr J Ling expects to complete 100 mile airplane radio equip by Aug 31st. To---- Gives approximate characteristics of antenna of flying boat Type H-16. 8/5
330623	7;23	Dept	States dirgibles should not be permitted to leave on oversea flight without radio for work ordered. W
330787	7;26	C&R	Instal to accommodate W T operator and set on H - 16 flying boat, fwds prints. W
330777	7;26	E J Simon Co	Reqst order covering 50 mark 1 propellers in replacement of radio sets shipped to International R T Co. W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
330757	7;26	E J Simon	Fans for airplanes radio generator be delivered to International radio Co , reqst order. W	
330751	7;22	1st Dist	Copy - Dept asks why installation generator was not completed on A 249 W To Operations. Gives reason why rad. apparatus was not installed in dirigible at Chatham 8/8	
330216	7/26	To Simon	Reqts. that all work on manf. of 100 type CE615 a.rad.transmitters be discontinued .W Wireless Improvement Co - Reqst rec of orders to discontinue work on transmitters. 8;6	
330217	7/26	To Insp. Brook.	Manf. of CE615 airplane rad.transmitters to be discontinued. W Inspr Brooklyn 8;7	
326748	7/29	To Artcraft Production	Have instructed Insp. NY to stop production on the 1/2 KW spark transmitters. W	
330219	7/29	To Pensa/	Re shipt. of airplane rad. receivers. W To Insp. Brook. Re manf. of CE615 airplane radio transmitters to be discontinued. 8/14	
330223 Fwd S&A 11-18	7/29	To S&A	Reqts. shipt. of radio apparatus from Chicago to & for Phila. W Inspr' Chicago Oct. 15 - No material shipped Phila-Req authority to dispose of material. 11;8	
37979	7/26	Cutting & Washington	Airplane generators-wire for flexible leads Manhattan Co's wire does not come up to specns	629

[OVER.]

Number.	Date.	From or To—	Subject.	
327789	7;17	International Radio Tel	Copy of letter to Adams Co regards to omission of certain holes in insulation for aircraft radio. W	
263989	7/19	To S&A	Radio material for Air Sta abroad, letter of July 16th, was enclosed copies of all shipment orders for Radio Station abroad S&A reply to Admiral Sims cable. 1223 7/19 736	
327899	7/19	To Wash.	Fwds. descrips. in duplicate of airc. rec'rs. & cont. wave transm. received back 8;14	
327161	7/20	To S&A	Reqts. shipt. of GE.pliotron tubes from Brook. to Roselle Park for Insp.Marconi. W Inspr Brooklyn - General ref to letter 7;16 7;24	
328267	7/20	To CO Key West.	Fwds. copy of instruct. for aircraft rad. transmitter. West Elec Co 7;26	
328268	7/20	To S&A	Re aircraft radio equipt. for Caproni night bombing squandron?	
327916	7/22	To Insp. Brook.(T)	Reqt. to expedite del. of rad.geneartors/ W	
328576	7/22	To Western E.Co.	Asks when shipt. of apparatus commences & date of completion.W	
328263	7;18	E J Simon	Fwds inspec books of negatives for aircraft radio receiving contract 35238. To— Ack. rect. of instruct. Book. 7/23	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
328713	7;19	C&R	Copy of shipment order covering telescopic mast from Boston to aircraft factory.
328771	7;20	E J Simon Co.	Fwds negatives of k w airplane radio set. W
328974	7/23	To Crocker-Wheeler Co.	Desires to have dels. of small generators made to Marconi. W Crocker Wheeler Co - Report on status of order for radio generators. Cross to 882 - 3 7;31
328975	7/23	To E.F.Bush, A.Production Bd.	Reqts. to author. Westinghouse to supply Inter. Rad. Tel. with 300 of generators at once. W
328979	7/23	To Nav. Airc.Factory Airc Fac. - Asks when apparatus will be received. 8;27 To Phila. Rad.apparatus will arrive 9/20. 9/4	States that airp. radio compass rec'r is supplied by SE. W Aircraft Factory 8;1 To Phila. Reqts. Proper shipping address for apparatus to be fwd. to Nav. Airc.Factory.8/15 Aircraft Factory - 8;27
329630	7;23	1st Dist	Copy, Dirgibles A 249 from Chatham partially equipped with radio apparatus. W
329267	7/25	To Com.O. Chatham	Fwds. 2 copies of instructions for install. & opera.of aip.rad.tel. set. W
329272	7/25	To Westinghouse (T)	Asks to expedite this order. W A W Montgomery- TEL - Will expidite material ~~ion~~ on International order W 7-2
329273	7/25	To Gen.Rad.Co. (T)	Flame Proof keys - expedite shipt. of. W

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
326191	7;10 7;10	Inspr College Point Inspr Keyport	Reqst generator be mounted on wing HS - 1 boat for use as Jig.	
326025	7;12 7;13	Cape May Dept	TEL: Reqst instruction in connection with discontinue of use of airplane transmitters. W Cape May - Permission to remove Simon airplane transmitters. W 7;12	
325121	7/13 Montawk - 8;27 Fwds report Montawk- Fwd's weekly report 9;4 Montawk- Fwds weekly report 9;17 Montawk- Sub weekly report 9;19 To Montauk- Sub weekly report 9/21	To Cape May	To Montauk, re weekly report on aviation 10-2 Reqts. a complete report as to adaptability & operation of Simon airplane rad. transmitters. W Cape May 7;17 Montucket - Fwds weekly report 7;31 Montawk - Submits weekly report 8;6 Montawk - Fwds report 8;14	
325122	7/13 Montawk - Submits report W	To Cape May	Re installation and use of Aircraft Radio Apparatus. W	
325123	7/13	To Chatham	Re installation and use of aircraft radio apparatus. W Chatham 7;15	
325125 To ComO.H.Rds.Norf. Fwd.copy of let. from Y&D.re space for Lab.7/25	7/15	To Y&D	Re reservation of space for Aircraft Radio Laboratory in proposed bldgs. at H.Rds. W Y&D 7;22	
325126	7/15	To CO Miami	Returns drawings & descripts. of generator & motor commenting on same. W	

SEE CARD 81

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
326492	7;12	Wireless Imp Co.	Fwds prints shoeing type number, name plate proposed for airplane radio sets. W To--- type # plates can be mounted in the covers of shipping cases. 7/19
299871	7/17	To S&A	Reqts. shipt. of radio apparatus from Wash. be cancelled. W
325644	7/17	To Marconi	Same type number will apply for strut & wing fittings. W
326915	7/17	To S&A	Reqts. shipt. of radio apparatus from Wash. to Wash. for Aircraft Sect. W Shipment order 7;17 received back 7;19
326922	7/17	To Opera. via Nav.Com.	Re training of personel for Aircraft radio. W To----Re training of personal for Aircraft Radio. 8/1
327150	7/17	To GE Co.	Author. to proceed to Radio Laboratory with sample for tests. W
327151	7/17	To Inter. Rad. Tel. Co.	Same as above.
327036	7;16	Marconi Co	TEL: Supply for ~~pliones~~ pli-tones for testing airplanes exhausted, reqst action. W

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
323320	6;28 7;8	Chatham Department	Submits report of installation of radio apparatus on dirigibles. W
324236	7;4	Hampton Roads	Fwds copy of letter 6;27 submitting report on Simon airplane radio transmitters. W
322475	7/3	To Inter.Rad.T.Co.	States preparing requis. for rad.transmitters.W International Radio Co - 7;11 To---- Asks for specificat. for a vibration test as given to airplane apparatus developed by you. 7/15 International R T Co - Fwds descrip of test given to radio transmitters m8;6
	Copy of letter to Key West stating bureau is fwd instruc. to cover instal. of transmitters. W 7/16		
322476	7/3	To GE Co.	States have decided to standardize on use of battery type CBG3535 in aircraft rad.apparatus. where a 22v.batt. is reqd. W To Amer. E.B.Wks. Author. to ship to GE batteries. 7/3 To Amer.E.B.Wks. Author. to ship to G.Rad.Co. batteries. 7/3 To Amer.E.B.Wks. Author. to ship to Marconi batteries. 7/3
323854	7/9	To S&A	Reqts. shipt. of radio apparatus to Inter. R.Tel.Co. from Brook. to Brook. W Shipment order 7;9 received back 8;13
323855	7/9	To S&A	Reqts. shipt. of radio apparatus to Phila. from Brook. to Phila. To S&A Reqts. shipt. of rad. apparatus be amended. 9/3 To Phila. Re shipts. of radio apparatus.9/9

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
324775	7/8	Post Office Dept	Submits report of performances of airships and aviators to aerial mail service for month of June	685
324488	7/11	To S&A	Reqts. shipt. of radio apparatus from Wash. to NL for Exper. Station. W Shipment order 7;13 received back 8;2	
325564	7;9	Marconi Company	Strut on wing fittings, instal. antenae on H 12 and 16 class, have completed new design. W	
325453	8/1	To Dept	Instln of radio on dirigibles at Pensa-Radio phone set will be available abt Aug 15th	736
325633	7;1	Crocker Wheeler Co	Asks if shall secure new type #1 1/2 k w airplane generators. W To---- Type # for generator alone should be used, viz, CB935. 7/19	
325609	7;11	E J Simon Co	Fwds print of 1/2 k w airplane set. W	
325719	7;9	E J Simon & Co	Reports on development of high power light airplane transmitter set.	
To Simon. Re tests of transmitters. 8/30				
325071	7-12	To Insp Keyport	Aeromarine ground wire- in re to report that ground wire is unsatis at Bayshore.	736

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[OVER.]

Duplicate 58 - 2

AIRPLANES : RADIO

Number.	Date.	From or To—	Subject.	
324482	10/10	S.D. SEE DUPLICATE 58	- Ask if Marconi transmitters may be installed in H-S-2 Boats W To San Diego- Above type no longer issued for service use-may install 6 sets if considered practicable 10-28	

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Number.	Date.	From or To—	Subject.	

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[OVER.]

AIRPLANES : RADIO

Number.	Date.	From or To--	Subject.	
322813	7/5	To Exp.Sch. NL	States that type CBG 3535 batteries to be used in place of type 763. 7/5	
322814	7/5	To Chatham	Reqts. that Simon's representative be assisted in instruct.& install. wk. W To------Cancels Bu let of 7-5th 11-30	
323187	7;3	Multiple Storage Battery Co	Reqst report on aviation battery delivered to Hampton Roads on test of radio set. W To----- Batteries tested & not satisf. 7/10 Reqst shipment of batteries back to plant W 7;11 To Norf. Reqts. that batteries be retd. to factory. 7/13	
323166	6;28 7;3	Rockaway Department	Submits report of radio installation made at station. W	
320925	7;1	Marconie Co	States that tubes were broken when received at New London W Marconie Co 7;6	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
322845	7;2	E J Simon	Fwds various negatives for radio sets.
323170	7;2	Cutting & Washington	Crocker Wheeler Co advises that sheet for their radio set will be delayed some weeks. W
323834	7;2	G L Martin Co.	Transmitting and receiving radio set completed, asks if desire demonstration of.
To----	No samples	rec'd. 9/6	To----Reqts. their representative stop at Wash. 7/10
			G L Martin Co - 7;23
			To----Will inspect apparatus when submitted/7/27.
324083	7;6	Copeley Mfg Co.	1/2 k w unite will be ready for test 7;11/ reqst representative be present for. W
324081	7;4	Hampton Roads	Submits report of wireless tel. test on dirigibles 238 held 6;28 W
324482	7/10	To CO Air Stations	No Simon transmitters will be installed for operation in airplanes. W
		To Key West.	No Simon type airplane transmitters will be installed. 7/11
		Rense	Fwds quot of instal of Simon

To Montauk (T) If you consider no danger author. to continue use Simon transmitter except as explained. 7/12

To Cape May. same as above. 7/12

To Rockaway Beach, same as above 7/12

[OVER.]

See duplicate 5'8 H-12

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	

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[OVER.]

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
320730	6/28	To Air Sta. Norf.	Civilians not allowed to visit Laboratory.	W
320925	6/28	To Marconi Co	Calls attention that both power tubes with the airplane transmitter shipped to NL were broken when rec'd.	W
320929	6/28	To Operations	Quotes extract from report made by Ensign Esterly re test of radio apparatus.	W
322118	6;28	?	Report on radio installation at station/	
322231	6;27	Hampton Roads	Sub. report on performance of type C E 615 airplane radio transmitter mfg. by E J Simon.	W
322279	6;29	G E CO	Reqst assistance in obtaining delivery of copy order from American Brass Co for air plane sets.	

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N.S.E. Form 134. 918

AIRPLANES; RADIO

Number.	Date.	From or To—	Subject.	
321075	6;26	E J Simon	Fwds copy of prints covering one arc k w airplane set parts. W	
321261	6;26	G E Company	Fwds list of shipments of type P pliotrons, Reqst requisition be made covering. W	
321268	6;26	G E Company	10 large sea planes and 100 small tel. sets, fwds list of material required and reqst bureau secure certificate. W	
321726	6;26	E J Simon	Fwds vandykes of drawings listed. W	
321835	6;30	Sims Copy 395	Army does not put radio set work with artillery observance plane under evasion organization Asks if bureau will ship. W To Ord, Quotes reply to be sent to Sims. 7/11	

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[OVER.]

1918

AIRPLANES : RADIO.

Number.	Date.	From or To—	Subject.
320406	6;24	Inspr Goodyear	Copy of letter to Rockaway asking if radio generators shipped Jan 29th from Goodrich Company has been received. W
319536	6;22	Department	Calls attention to urgent necessity of installation of radio and points out case where loss at sea could have been saved by radio. W
319928	6/26	To S&A	Reqts. shipt. of radio apparatus from Brook. to A for SB Conn. W New London Base - Reqst disposition of material. 7;3 New London Base 11;19 To S&A- Reqts shipmt from Sub Base Conn to Nav Esp Station N Lon- 1 SE1100 Flying Boat radio transmitter 11-30
321201	6;15	Simms	Report Fwd. Sample of 7 step amplifier. W
321058	6;26	E J Simon	Received a large number of watt meters from Roller Smith Co. which failed during test. recommends bureau take up matter with Roller Smith. W
320729	6/28	To Air Sta.Norf.	Reqts. report re Simon set. W

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Number.	Date.	From or To—	Subject.	
317009	6/17	To S&A	Reqts. shipt. of 2 Moorhead power vacuum tubes to H.Rds. from Wash. for Radio Laboratory. W Received back 7;15	
318254	6-6	War Dept	Will transfer 50 airplane sets on order International Radio Co. W	
317386	6/19	To S&A	Reqts. shipt. of radio apparatus for & to Lt. Lavender from Wash.	
317888	6/19	To S&A	Reqts. shipt. of radio apparatus for Aircraft Seq. SE from Wash. Shipment order fwd 6;19 received back 6;27	
317895	6/19	To Norf.	Reqts. copy of report magnavox be fwd Capt. Bown. W 6/19	
318639	6;19	Roller Smith Co.	Dynamometer and wattmeters which they are furnishing Simon & Weldon Improvement Co, asks for further requirements in connection with airplane radio sets. W To Roller-Smith Co- in reply to above- 7-3	

AIRPLANES : RADIO

Number.	Date.	From or To—	Subject.
		(SEE CARD 124)	
318187	6/20	To Goodrich T&R Co. (T)	Has plan C equipt. been shipped. W22
		Rockaway - Weekly report 8;10	Goodrich Company - Shipment made. W
		Pensacola - Reqst expidite material	Cape May - Submits report 7;14
		and infor. on connection with radio	Rockaway Beach Air Station 7;17 Pens. 8;10
		guners. 7;31 Rockaway 8;24 Wk Rep	Rockaway - Submits report 7;24 Pens-Sub weekly
		Pens - Report aircraft radio	Penna. Submits weekly report. report 8;17
		apparatus. 8;2	Rockaway - Submits weekly report.
318189	6/20	To S&A	Reqts. shipt. of radio apparatus for
			LT. Lavender from Brook.
			Rockaway - 8;18 Sub weekly report.
319243	10/18	Boston	Submits estiate
319016	6;20	E J Simon	Copy of letter to Phila. Fwds copy of letter to Phila stating that airplane transmitter inspected and found satisfactory and were consi gned
		SEE CARD 168	Inspr Bath - Copy of letter to Phila stating transmitters inspected at factory. W 7;3
318197	10/7	Submits summary of operations	Montawk-Pensco.10/5 Submits weekly report
318197	6/21	To Com.Offs.	Gives instructions for furnishing weekly
		To Rockaway Beach. Re installation & use	reports on the installation,operation &
See		of Aircraft Radio apparatus. 7/12	maintenance of aircraft radio apparatus. W
CARD		To Miami. Same as above. 7/13	Cape May Air Station 6;26 K W - No change in sets
		To Bay Shore. Same as above. 7/13	To Montauk. Re installation & use of Aircraft
69		Pens - Fwds. quot on instal. on H-12	Radio apparatus. 7/12 Key West - Report of test 7;29
		7;22 Montauk-Sub report 7;23	Reqts. to expedite del. of watt lamps for
319251	6/24	To Edison Lamp Wks.	Inter. Rad. Tel. Co. 6/24 Bay Shore- Sub rep.
		Key West - Sub report of test. 8;26	Pensacola - Fwds weekly report 8;24
			Edison Lamp Works 6;28 W
			Edison Lamp Works - Will commence shipment 7;6
			Rockaway - Sub weekly report 8;31
319250	6/25	To Harvey Hubbell Inc.	Asks to expedite del. of switches for
		Harvey Hubbell Co 12;1	Inter. Rad. Tel. Co. W
			Reqst extension of time, gives reason. 6;27
			HH Co-Material awaiting inspection. 11;2
318199	7;6	Cape May	Submits weekly report.
Old Number			

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
315518	6/11	To inctr.Rad.Tel/Co.	Explains change in requisition.	
315315	6/12	To E.J.Simon	States that del. of fans & bushings must be made 7/1 . W 6/12	
316291	6-12	Copely Manuf Co	Sample power unit for seaplanes - request shipping instructions. W To Copely Mfg.Co. Representative will visit factory to inspect engine set. W 6/17	
315316	6/13	To CO 1st. Dis.	States that sample sets of aircraft radio apparatus will be shipped for instruction. W	
316237	6/6	Cutting & Washing Inc	In connw photos and desctns of airplane sets. W	
316238	6/10	Cutting & Washington	Gen Radiator Co engraving cases of flame proof keys for airplane radio sets. W	

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918 - AIRPLANES: RADIO 1918

Number.	Date.	From or To—	Subject.
316795	6-11	Hampton Roads	Reports on test of type C Q 1115 airplane transmitters. W
316570	6/12	L S Brach Supplyg Co	Work on improvement of airplane antenna about completed-will bring same to Washn early part of week. W
316548	6/12	Atlantic Fleet	Fwds print showg suggested method for remedy of mechanical defects in radio compass. W To Wills. Re correction of above. 6/19
315173	6/12	?	Reqts. 6 copies of photo 109989, transmitter W20 G E Co. Fwds photographs. W 6;22
316959	6/12	Cutting & Washington	Standard radio transmitters-submits reasons why companies apparatus satisfactory-offers to submit for test. W
315765	6/14	To S&A	Reqts. shipt. of flying boat radio transmitter from Brook. to Lt. Lavender, USN.
316000	6/14	To S&A	Reqts. shipt. of 1 airplane compass rec'r. from Wash. Lt. Lavender, USN.

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
311705	6-3	To Hamp Rds 736-6	Fwd comment copy of Signal Corps on operation radio phone equipment from power supply for ignition system of Liberty motor-W	
311354	6-3	TO Y&D 7369	Provisions for charging storage batteries at air stations abroad-info in re to-W Y&D - 7;11 To Y&D. Reqts. to order 20 generating sets. 9/6	
312458	6-3	To Hamp Rds 635-3	Memo inre to selection of certain men for duty as inspectors-W	
312450	6-3 G E Co 6/4	To (T) GE	referring letter May 31st seaplane dyn motors will reqire 650 at minimum rate forty per week- GE Co - seaplane dynamotors - states cannot meet production promised if order is reduced 5/31	
312455	6-3	To (T) Cutting & Washinton-	Referring letter May 31stleads airplane set use sample A first hundred sets will advise further later- W Cutting & Washington - fwds manuels of leads to be used for airplane sets together with recommendations - 6/3 - W	
312611	6/1	Western Elec Co	Fwds cord diagram and copies of schedule showing apparatus for seaplane radio transmitting and receiving set - W	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
314423	6;5	Phila VOID WRONG CARD	Reqts audian controll box, West. Elec bulbs and Edison storage batteries be fwd. W	
314390	?	Signal Corps	Airplane radio tel transmitter sets, 50 to be diverted to S & E. W	
314465	6/8	Montauk T	Rqst foundations for radio generator and radio set for Curtis R-P seaplane. W To Montauk. Above will be shipped as soon as ready. W 6/12	
314004	6/5	GE Co 736-4	Delivery of seaplane dynamotors - will proceed on basis of 50 sets by July 1st and 40 per week thereafter - W To G E Co- Desired to you furnish starting switch and protective device- 6-8	
315088	6/8	G E Co.	Rqstinstns re name plate data on seaplane dynamotors. W To G.E.Co. Gives name plate for dynamotors for flying boats. W 6/13	

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
309275	5-29	To Wash	Change name of SE 950 receiver-W
310495	5-29	FWD C&R	Aircraft radio Mounting for Generator on H S-1---- W
311049	5-29	To Rockaway	Test of radio set type CE 615- W Ensign H. Sadenwater, copy of letter to Washington in connection with shipment of transmitters. W6;5
311349	5-29	To (T) Hamp Rds	Bu 311349-918 auth purchas e 63 H P induction motors 18 fans 1812 volt forty ampere hour storage batteries for radio-W To S&A Regts shipmt from Hamp Rds to Wash-1 3 HP Induction motor 1-23
310496	5-29	To Cape May-	Installation of Plane "C" on Dirigibles- W
310498	5-29	To Director Aviations-	Radio apparatus on aircraft- rqst enclosed matter be published next issue pocket manual for seaplne pilots-W
309645	5-29	To Postmaster General	In re installation radio apparatus Mail Service Airplanes- W Postmaster General - 6/3

N.S.E. Form 134.

AIRPLANES RADIO (L' 918

Number.	Date.	From or To—	Subject.	
311290	5-29	To Cutting & Washington	Adams -Morgan Co now in position to quote prices lead out insulators--W	
310494	5-29	TO S&A VOID	Rqst shipment from Phila- To Livepool for Sub-chasers- radio compasses- W	
309273	5/24	To Insprcr Cincin	Contract 36458 construction 17 sets of auxiliary powere e equpment for dirigibles- W	911
311349	5-31	To Air Sta Hamp Rds	Authority granted for purchase of app as listed for training of personnel for service abroad	W
311700	5-1	To Westinghouse	Asks to expedite del. of generator. W10	
312918	5-9 5-15	Naval Aviation Force, Paris European Force	Lists French type of airplane radio sets shipt to Bureau - comments on various uses of. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
309748	5;23	E J Simon	Fwds copy of drawings showing type number nameplate on contract 33259 W	
309981	5;23	E J Simon	Reqts details of permanent inspection in connection with inspection of airplane transmitters. W	
310572	5/24	E. J. Simon	Airplane antenna reel - copy of letter to Norf commenting on objections raised - W	
310080	5-25	To Cutting & Washington	- in re inspection radio apparatus- as outlined in letter of 15 May--W	
310088	5-25	To Marconi Co-	R'st fwd soon aspossible a formal order covering dynamotors- W	
309278	5-25	To Western Elec Co	Fwd copy letter 26 May---5-25 W	
309978	5-25	Wireless Improvemnet Co-	Drawings for seaplanes on which your apparatus will be installed are confidentail- Wireless Improvement Co - 5/27 W	

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AIRPLANES : RADIO

Number.	Date.	From or To— 635-4	Subject.	
310084	5-27	To T. Johnson Exp Radio Aid	Orders to proceed to Hamp Rds on temp duty in connection with radio test work	W
311022	5-24	War Dept	SCR 73 airplane radio transmitter sets sent to Hampton Roads - request copy of test. W To Norf— 5-29	
309175	5;23	Wireless Improvement	Cont 23260 covering airplane radio sets give reasons why company should be allowed dif. between cost of boxes as originally designed and boxes re - designed in order to meet conditions not originally contemplated. W	
311290	5-27	Cutting & Washington	Request expedite action in deciding on type of insulator for airplane sets to be made by Adams Morgan Co. W	
311077	5/25	GE Co	Fort Wayne factory requests to proceed with manufing two thousand dynamotors - request priority certificates - W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
302110	5-20	To Chatham	Asks if there is direct current power for charging 36" volt batteries by lamp banks	W
307792	5-20	To Hamp Rds	Reqts British instaln of generator be tested Hamp Roads - Returns photographs. 6;20	W
307793	5-2Ø1	To Speery Gyro Co	RE newly deisgned fan- gives requirements To Sperry Gyro.Co. Commenting on above 6/22	W
307794	5-20	To Ch Signal Officer-Army	Ack receipt of antenna measurements and curves made at Langley Field	W
307795	5-21	To Hamp Rds	Reqts that inductance coil be tested To H.Rds. Re. receiving test on Seaplanes at rest with engine running.W 6/17	W
308675	5-18	Hampton Roads	Submits report of unsatisfactory test of sample antennae relative type T-6 submitted by American R & R. Corp. W	

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AIRPLANES RADIO 918

Number.	Date.	From or To—	Subject.	
308527	5-21	To (T) Sims 7364	Longer range interplane tel sets being developed-full data available 60 days will modify four hundred fifty foot antenna What wave lengths desired-specify propeller or battery drive—5-21 W	
308778	5;20	American R & R Corp.	Reqts antenae characteristic of plain on which 500 w air plane sets will be installed W To American Radio and Research in re above-5-25 American R&R Corp - 5/27 - W To American Radio & Research Co- Det comment in re specifications 500 watt airplane set—5-29 American R & R Corpn 6/10 Amer R & R Corpn-sample will be forwarded to Hampton Rds when completed. 6/10	
308239		Ensign Sandwater Inspr Transmitters CE-615	Inspected at Simon Factory and found sat. W	
309925	5;20	Deforester Co.	Submits information of letter to company's representative in Spain in connection with the seaplane transmitter. W Department - Fwds copy of letter from D L Deforester. 6;28	
309392	5;22	E J Simon	Aeroplane sets and receivers assembly for ship. In order to expidite assembly of additional expense was necessitated. W 5;22	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
306409	5-15	To Internat'l Radio Tel.	Re furnishing the Bureau with quotation on 200 Airplane Radio Transmitters, W To GE Co-- 5-14 G E Co. - 5;20 Internat'l Radio Co - submits quotations and recommendations - 6/1 International R T Co 6;6 To----Inspection at factory. W 6/11
306455	5-15	To Norfolk,	Re test of Fan for 125 miles per hour as soon as possible so factory can start on same, W
306482	5-15	Chief Naval Operations	Re status of development of aircraft radio apparatus, W
306036	5-14	To Western Elec Co-	List apparatus s ecified for important airplane apparatus- W To Natl Elec Co- List standardization in re airplane radio apparatus- W To E J Simon Co- Ditto--5-14 To Wash--Ditto--5-14- To Marconi Co--Ditto 5-14 To Lt Col.-Signal Corps-Ditto--5-14 To Lt-Comm. Sharp--Ditto-5-14
306758	5;14	American R & R Corp.	Small induction coil airplane transmitter fwd to bureau ppon completion of present test. W

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Number.	Date.	From or To—	Subject.
307015	5;14	Crocker Wheeler Co.	Supply fan-driven airplanes generators for radio sets. W
307280	5;15	National Elec. Co.	Cannot deliver airplanes radio transmitter sets prior to June 15. Gives delivery sketch of apparatus from other concerns for W.
3 307290	5;16	Navy Communications F.C	Fwds copy of interceptive letter from De Forester Co. to A Costilla Madrid in connection with the progress on radio apparatus. W Fwds Naval Communications-5-18 To de Forest Radio Tel Co- In re above-5-18
308019	5/17	Phila Aircraft Facty	Copy of letr to C & R fwdg prints of wireless operator seat and table in model H-16 flying boats. W
307626	5/14 ~~Department 5;24~~	Dept.	Rqst three shore transmitting & receiving sets complete with spares should antenna be supplied to navy and marine air squadrons Phila in addition to other apparatus. 726-1
307573	5-18 Department 5;24	To Air Stations	Installation of plan "C" on Dirigibles-Fwds instructions--W To ditto orders will be shipped to various stations and probable installns will all be made by June 5, 1918. 5-~~22~~ 18 Montauk 6;7

Cape May - Material necessary for installation on dirigibles. 5-24

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
303843	5-6	To (T) Goodyear	Bu representative will arrive Akron B & O Tuesday Morning to examine radio sets for dirigibles---W	
304524	5/7	Cutting & Washington	T-Advance payment absolutely necessary.W	
304655	5/6	Cutting & Washington	Rqst infm re manfe of and price of antenna insulator and lead out insulator for a r plane sets.W To Marconi Wireless Telegraph, Roselle Park re fwding dwgs of Wing Fitting Insular developed at radio laboratory, Hampton Roads, 5-13 To Cutting & Washington, Stating Marconi Wireless Telegraph Co will furnish dwgs for wing insulator, 5-13 To Adams Morgan Co re Cutting & Washington mfging to the lead-out insulator, 5-13	
304682	5/6	Washington	Fwds copy of acceptance test of Simon airplaine receivers.W	
304959	4/26	Gen Radio Co	Geplictins-reports on development of-requests test.W	
305288	X	See CARD Dupl. 64		

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AIRPLANES: RADIO 918

Number.	Date.	From or To—	Subject.
302025	5-7	To Signal Corp	Fwd letter from Director of Purchases giving instructions (shipping) of seaplanes-W
303839	5-7	To E J Simon	Acknowledges letter of 5-3 to Lt Lavender on details using kite balloons to support wire for counter poise on dirigibles-W
303861	5-7	To Mass-	Radio-Tel-Aircraft Inspection of material-W
	To Brook. Re assignment of men to assist in inspection rad.mat. W 6/1		To Inspr Brook--Ditto-5-7
See CARD 68.			To --- Re starting of factory insptn of aircraft radio material- Officer from Hamp Rds to assist and insprs as necessary detailed 5-27
	Inspr Brook 7;10		
	To Brook: Will supply deficiency of officers. 7/18		Inspr Brooklyn - Reqst expidite detail of radio inspec. 8;20
303868	5-7	To Wireless Improvement Co-	In re Factory inspection of Airplane Radio apparatus-W
Cutting & Washington asks what test inst will make of radio airplane apparatus. 5;11			To E J Simon-Ditto-5-7
			To Marconi Co--5-7 Ditto---57
			To Cutter & Washington-- Ditto 5-7
			E. J. Simon 5;10
Marconi 5;16 W			Wireless Improvement Co 5/10.
Cutting & Washington - 5/9			To Cutting & Washington, re test for Radio Airplane Apparatus at factory, stating no test will be required, 5-15
			C Cutter & [illegible]
305037	5-10	To A H Cohen	In re test of telephone set-W
	A H Cohen -Asks reply to test of tel sets. 11;5		A H Cohen-rqst test requirements of radio apparatus 6/1
	To--In future all communication re above fwd to Mare Is 11-23		Pg Sd - 8;3
	To M Is, in re above 11-23		To 12th Dist. If considered feasible to permit Mr. Cohen to use antenna at his station, reqtd. that he be permitted to do so. 8/14
			Pacific Coast Super- A H Cahn req permission to use antenna for test purposes W 8;31

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
302925	4-30	War Dept	Have amended shipping instructions covering 100 transmitting sets and spare parts and gives new address.
302881	5-1	Crocker Wheeler Co	Asks what machine desired to manufacture for Holtzer Cabot Co for airplanes. W To Crocker-Wheeler Co- generator mfcrd by Cutting and Washington Set--5-4
303381	5-3	H E Rawson T	Will arrive Norf Monday morning with airplane transmitters complete for test. W
303388	7;31	Shipment Order Fwd	Received back 8;28
303344	5-2	L S Brach Sup Co	Will fwd drawing showing modifications of aero wheels. W To L S Brach-Rqst fwd drawings soon as possible 5-4
303665	5/3	Crocker Wheeler Co	Copy of letter to Marconi Co relative to dynamotor for airplanes. W

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918 AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
303739	5/2	GE Co	Modified seaplane set completed - will retest in a few days. W To GECo- Date satisfactory--5-6 To Hamp RDS-Advising of above--5-6
303782	5/3	Marconi Co	Transmitters - have insufficient information to - manufacture - proceeding with manufacture, however. W
303931	5/4	H C Co To H C Co- Order scheduled for early part of July-5-28	Request assistance in securing delivery of portable instruments from Weston Elec Instrument Co. W **To Weston Elec Co - Asks earliest date can make deliveries to H-C Co 5-9** Weston Elec Co. 5;22
303076	5-3	To (T) Marconi Co-	Bu desires representative Marconi Co preferably Mr Langley to be present at conference on radio transmitter at Lab Hamp Rds Sunday 5 May-1918-
304404	5/6	E J Simon	Fwds negatives of outline drawings and elevation of airplane transmitters with dimensions. W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
300944	4-29	Norf	Request more information that given in telegram of the 29th. W To Hamp Rds-Return Cutting Wash set to contract soon as possible-notify contractor bill of ladin 4-27 To (T) Hamp Rds-Return cutting Wash airplne radio set to contractor soon as possible Notify contractor bill lading number 4-30 TO Y&D- In re distant control air station Key West--5-7 To Key West-Ditto--5-7
301654	4-25	Cutting & Washington	Request return sample airplane set tested at Norf. W
301856	4-25	Washington	Fwds copy inspection test of aero compass receiver submitted by National Elec Supply Co. W
302475	4-27	Boston Yd	Re magnetoes. W
300947	4-29	To Wash-	Rqst Delco set returned to E Y Trant-W To Wash- Design of airplane compass receiver-4-29- Washington 5-20
300948	4-29To	General Radio Co (T)	Arrangements will be made to test your seaplane radio transmitter May 1st-Lab Norf -W

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918 - AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
302737	4-30	Cutting & Washington	Contracts for airplane radio sets - request payments as listed. W Fwd S&A via Dept 5-9 Cutting & Washington TEL: - Reqst infor reapproval advance payments. 8;8 Inspr Mass - Asks status of payment. 8;8 To Insp. Boston. Fwds. copy of ref. (b) in which adv. payt. was retqd. 8/14 Cutting & Washington 5;13 " " 7;13 Reqst expidite payment To Insp. Mass. Re advance payts. to Cutt. Wash Co. 9/4 Cutting & Washington- Reqst infor advance pay W 7-27
302732	4-23 5-1	Pensa Dept	Installation of radio on dirigibles - request details of plans in connection with. W To Pensa- 5-3
302488	4/30	E. J. Simon	Fwds instrn booklets covering airplane radio transmitter type panel radio set - W
302483	4/30	E. J. Simon	Special radio equipment for type R 6 seaplanes - submits print showing proposed mounting fixture for airplane radio transmitter - W To E J Simon- 5-3
301587	4-30	To Signal Corps Army- War Dept	Rqst to have loaned fro test one radio set (Airplane) W To Int Radio Tel Co-Will notify when test is made--4-30 War Dept - Stop manufacturing - are just starting with deliveries. W
302111	4-30	To Roller Smith Co-	Suggest that 100 wattmeters CAR 847 be built and kept in stock-W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
298979	4/20	To E.J.S imon	Reqt send airplane reels by messenger to Hampt Rds, reporting to Lab. W
298980	4/20	To Hampt Rds	Mounting for generator on HS-1. Fwds drawings in connection with. Reqt make sampl. W Hampton Roads fwds drawings of photograph of generator for airplane equipment on H S - 1 W 5;17
298981	4/22	Phone De F orest Co	Details of chemical plant, location of which near companies plant is objectionable. W DeForest Co 4-24
300397	4-22	E.J.Simon	1/2 kw airplane radio sets - fwds vandykes.W
300473	4-17 4-23	Department C&R	Directs steps be taken to install radio on all dirigibles, and gives location of.W **To C&R re installation of Radio on Dirigibles 5/13**
300771	4-23	E.J.Simon	Requisition 580 - fwds revised negatives.W
300893	4/25	GE Co T	Dynamometer for seaplane-expect to complete model of new design by May 2nd. W

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AIRPLANES: RADIO 918

Number.	Date.	From or To—	Subject.
299865	4-23	TO S&A	Rqst shipment from Wash to Rockaway one rasio transmitting set W Shipt order 4/23 R B 5/9. To S&A canc SO 6/28
299866	4-23	TO S&A	~~To Wash~~ Rqst shipment from Wash to Key West 2 radio transmitting sets- W Received back 8:28 To S&A req canc ship reqst 4-23 3-12
299867	4-23	TO S&A	Rqst shipment from Wash to Hamp Rds one radio transmitting set W Shipment order received back 12;6 To S&A canc 6/28
299868	4-23	TO S&A	Rqst shipment from Wash to Pensa one radio transmitting set- W- To S&A canc 6/28
299876	4-23	To Bay Shore 736 37	Radio apparatus rqst by Bay shore Sta- Adises to make requsition for supplies-W-R Naval Communication 5;20 To Bayshore- Aircraft -Radio apparatus reduired- Will supply 3 receiving and transmitting sets soon as available--5-25
301072	4-24	E. J. Simon	Forwards revised negatives of drawing of main panel airplane radio set. W
301209	4-25	EM J. Simon	Fwds print showing test rod for spark gap. W E. J. Simon TEL. reqts drawings of. W 5;7

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
298224	4-13	NY	Asks how to charge up strain insulators to be shipped Goodyear Co for kite balloons.DA Fwd C&R--4/19
297392	4/13	To Hampt Rds T	Directs return by express wireless improvement fan submitted for test with airplane radio set.W
298721	4-5	European Forces F.M. app	Sample of high tension generator for British type airplane radio transmitter being forwarded. W
298508	3/28	European Forces F.M. app	Reports shipment of samples British radio apparatus.W
299031	4/17	Dept 736-3	Request steps be taken to install radio in dirigibles.W
294953	4/16	To Hampt Rds	Reqt submit report by Ensign Santos on radio apparatus on aircraft. W To Pensa- Ditto-4-26 Pensa. W 5/7. Hampton Rds 5/7.
296699	4/16	To Century Tele Constr Co	Comments on impracticability of using model telephones. W

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918:AIRPLANES:RADIO

Number.	Date.	From or To—	Subject.
299336	4/6	European Force F.M. app	~~British~~ British Airplane radio receiver Type TF reports on range of and recommends use of on seaplane.W
299335	4/6	European Forces	~~High~~ Audion battery boxes for radio set-fwds drawing.W
299346	4/18	C&R	Generator mounting airplanes-fwds prints with suggestions.W
298978	4/19	Phone Crocker Wheeler Co	Delivery of dynamoter to Marconi Co, completion and test of gas engine, rewinding of burned out dynamotor, delivery of E.J.Simon of air driven generator. W To Marconi Co--Re progress being made on tube set model. 4/19
300099	4-22	Director of Nav Comms	Control of airplanes for radio at Air Sta, Key West - forwards recommendations. W ~~FWD Y&D--4-29~~ RB 5/4 Y&D 5/10 makes allotment. W
300053	4-19	GE Company	Recommends that wireless telephone sets used on seaplanes be fastened against the breast in lieu of over the mouth. W To G E CO- Thanks--4-26
300017	3/28	European Forces F M app	British valve amplifier for airplanes-fwds prints and specifications.W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
293869	4/9	To Foote Pierson Co	Directs undertake manuf of 24" or 30" induction coil. W To--4/11 Foote Pierson Co-reqt addtl info rel to induction coil to be mfgd.4/10	
To--(T)Representative Bu will discuss coil Sunday.4/12				
295297	4/9	To Crocker W heeler	Foote Pierson Co. reqts infor. reused car will be put Generators will be used in connection with Cutting & Wash Sets. W	W 4;16
296128	4/9	To Ge Co T	Please send six type P-30 pliotrons to Marconi. W	
296590	4/10	To Marconi Co	Reqt furnish price of manuf of radio airplane sets as soon as possible. Reqn for 350 will then be prepared. W Marconi Co--4/12 To--Directs proceed with manuf at once.4/16	
296129	4/10	To C&R	Mast for H-16. Reqt trace delivery of. W-RB-4/17 GE Co - Reports on shipments.W 4-10 To C&R--Fwds copy of drawing.4/11 TO C&R--5-3 To C&R--5-14 C & R copy of letter to aergraph factory directs instal. telescope radio on H-16 flying boat	
To C&R Reqts. information re installation of shelves & seats for radio apparatus. 7/2				
297119	4-11	Phila Aircft Factory T	Can furnish complete set of Felix-Stowe teescopic masts, and other details. W To--4/13	5;22

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918:AIRPLANES:RADIO.

Number.	Date.	From or To—	Subject.
297025	4/10	E.J.Simons	Pedestal airplane radio gen mounting-states are in position to mfg any amount required.W To--4/22
296593	4/11	To Dept	Requests regarding radio transmitting and rec-equipments from airplane bases. C omments on ideal installation. W RB 4-16
296594	4/11	To Inter 'l Radio Tlee Co	Ask when may expect sample of self contained airplane radio set for test. W
296978	4/12	To Western Elec Co T	Directs ship aviation telephone headset to Bu. Instrns re future shipts. L Gen Ordnance Co-T-trying to secure helmits-wire quotation as soon as possible.4/12 To Gen Ord Co--Reqt return of sample telephone headset, with quotations.4/12 Gen Ord Co-T-Will return sample helmet in few days.W 4-15 To Gen Ord Co--(T)Directs return after examination.4/13
298107	4-15	Sims copy #6551 IL 6522	Asks if Bureau has developed a high tension generator for power supply of radio telegraph station for aircraft. W To--(T)Gives infor reqted.4/17
298110	4-15	Sims #6536 IL 6519	Request sample receiver and amplifier, with instructions for use on airplane direction finder. W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
295519	4-3	Rockaway Beach	Request radio apparatus for seaplanes. W
295484	4-4	European Forces 707	Forwards program of a special course in training for seaplane direction finding. W
295485	(?)	European Forces	Specifications for fitting wireless in large American seaplanes. W
295489	4-4	DeForest Company	Request instructions to ship their radio telephone to Hampton Roads, to test out on a seaplane. W To--4/9
295778	4-2	Cutting & Washington	100 1/2 kw airplane sets - submits estimate. W
290565	3/19	To Nav Com VOID	Reqt Belmar be advised that Dept will supply three transformers. To--3/20

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AIRPLANES: RADIO 918

Number.	Date.	From or To—	Subject.
292779	4/6	To S&A VOID	Refund of certain rental for New Brunswick Sta. Fwds corres in connection with. W
294831	4/6	To Marconi Co VOID	75 H P alternating current motor being manufd by Westinghouse Co, for Marion Station. Fwds letter from Westinghouse which is explanatory. W
295522	4/6	To S&A VOID	Lists contrs with instrns re delivery of material shipt to Phila on. W
296429	4-9	C&R	Forwards report from Superintendent of Construction, Goodyear, on covering [redacted] radio set, developed by that company, with requisition. W Fwd Inspr Akron--4/11--RB-4/17 Fwd Inspr Akron--4/19
296699	4-9	Century Telephone Constr Co	Head gear for Hall radio receivers - request report on model submitted for test. W
296025	4/9	To E. J. Simon T	Ask cause of delay delivery of airplane radio sets. W E.J.Simons-T-unable to deliver airplane sets at radio-on acct lack wood meters and generators.4/10

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
292649	4/1	To De Forest Co T	Desire to keep airplane antenna reel at Hampt Rds for two weeks. Ask if satis. W
			DeForest Co-T-May keep wire at Hampton Roads.4/2
294549	4/2	DeForest Co T	Airplane reels confusion in order-reqt 600 asks if means 200 in addition to 400 on Simon order.W
			To—(T) Will take 600 reels.4/4
293402	3/30	To Signal Corps	Fwds specns for airplane short wave, medium wave and long wave receivers. W
294138	4/2	To Pensa T	Operations reqted two field radio sets for patrol boats. Reqt infor re boats. W
			Pensa-Gives space available for radio sets in RICHWOOD & GLENDOVER, SP's 222 and 597.W 4-5
			To Pensa—(T)Will ship sets from Chasn for ships.4/6
293845	4/1	To Sims	Monthly progress of aviation radio material. Fwds copies of report. W
		To Sims. Fwd. 3 copies of mon.report 8/1	
		To—— Fwds. 3 copies of mon.rept. 9/13	To Sims- Fwds above--5-4
SEE CARD 88		To——— ditto 10-1	To Sims. Fwd 3 copies of Mon.Report.W 6/1
			To Sims. Fwds. 3 copies of mon.report. 7/2
293849	4/1	To Hampt Rds T	Lt. Lavender arrive Old Pt Comfort Tuesday morning. Directs have Crocker Wheeler representative remain until he arrives. W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
295080	4-4	Wireless Improvement Co	T Have arranged method of handling contract with legal department of navy, for furnishing direct all parts of airplane transmitters. W
294822	4/2	Cutting & Washington	100 1/2-kw airplane sets submits quotation for. W
295392	4-3	Crocker Wheeler Co	Airplane generators - states are putting in order for one hundred. W
292648	4/2	To Dept	Radio equipment special H-16. British will supply long range radio trans for. W
293852	4/2	To Navgn	Rec Lt. H.U.Linkins be ordered to report to New Lond. Also to further report to Admiral Sims at Airplane Bases in Ireland. W
293648	4/5	To Chatham To Stations	Reqt for original install of shore station radio apparatus atNaval Air Stations. Directs have officers in charge of air stations submit reqns for material. W Cape May Air Sta-Reports on status of receipt of material. W 4-8

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
291773	3/22	E.J.Sims	Airplane transmitters-fwds VanDykes.W
292342	3-22	European Forces	French ministry of war has been requested to ship radio apparatus used by French army in aircraft to Bureau - gives list of. W Govt D espatch Agency London-reports fwding cases wireless gear to Bureau.W
292562	3/25	Garden City	H-16 radio equipment reqt information on.W To—Gives information on.3/29
292055	3/26 To Wash-Elec Co- 5-24	To Western Elec Co Fwds letter from Western	Understood that 25 interplane radio telephone sets will be delivered the end of this week and 25 by April 15th. W Western Elec Co-T-Reports on status of deliveries of radio phones.W 5-7 To (T) Western Elec Co-Inform Bu deliveries made o 100 interplane radio phones and 500 helm. 5-6
292063	3/26	To Norf	Arrgt to have a man from Radio Lab accompany flying boat trips when there is a radio set under test. W
292236	3/27	To Hampt Rds	A rrgts for receiving signals from flying boat to leave Hampt Rds. Instrns. W
292588	3/27	To Hampt Rds	Transportation of electricians. Re date of flying of H-16. W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
292643	3/27	To Crocker Wheeler Co	T Lt. Lavender will be in NY Thursday and Friday this week. W	
292645	3/27	To Wash	Instrns for use of radio airplane compass receiver. Directs prepare. W	
292647	3/29	To Gunner King and Ensign Eltz, Norf.	Airplane apparatus tests and development. Detailed comments on. W	
292957	3/29	To Marconi Co	Capacity of seaplane trailing wire antenna with seaplane at rest on ground. Comments on. W	
293633	3-28	E. J. Simon	Airplane apparatus - forwards vandykes showing location of units of apparatus on main panel, also wiring diagram. W ~~To--Acknowledges receipt of drawings.~~ 4/4	
293931	~~3-28~~ 3-29	NY S&A	Inter-plane radio telephone sets shipped via CUYAMA March 15th. W To Sims--4/2	
294000	3-30	C&R	Forwards report of wireless apparatus on Zeppelin L-49. W	

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
290159	3/19	To Hampt Rds	Test run of seaplanes with radio sets. Re wave length and type of radio set to be used. W To Hampt Rds--3/19 To--Comments re tests.3/19 Phone Hampt Rds--3/21 Phone Hampt Rds--In connection with tests.3/21 Phone Hampt Rds--3/25
290198	3/19	To Aircraft Factory	Install of coils for radio compass on seaplanes. Re install on H-16 at Hampt Rds. W
290503	3/19	To Hampt Rds T	Submits report of test of radio apparatus on seaplanes. W
290889	3/18	DeForest Co	Request loan of batteries for dynamometer seaplane transmitter.W To--Directs use any stor batteries available. 3/21
	To--4/15		
291135	3-19	E. J. Simon	Forwards vandykes of airplane transmitter, 1/2 kw. W To--Assigns numbers to drawings.4/2 To--Reqt set of Vandykes 4/2 E.J.Simon-Instrn book will be fwded April 8th.W 4-3 To E J Simon-5-1
		E.J.Simon-states placing airplane assemble thermometer plans under group A may result in confusion.W E.J.Simon-states VanDyke 4/8 booklet was mailed Apr/9th.4/10	
290182	3/20	To De Forest Co	Reqt fwd 10 copies of Instrns for dirigible radio sets. W DeForest Co-fwds instrns.3/21 De Forest Co-States 5 copies of instrns sent by registered mail.March 21st.W 3-25
290184	3/19	To Crocker Wheeler Co	T Will inform when test of airplane sets with Crocker Wheeler generators will be held at Norf. W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
290505	3/20	To Rockaway 736-3	Reqting information concerning dirigible at. Directs advise when again in commission. W RB 3-20	
290762	3-20	E. J. Simon: Ts	Reports on shipment of airplane transmissions. W.	898.
291695	3-19	War Department see 291678-918	Request copy of report on Cutting & Washington airplane radio set. W	
290852	3/21	To C&R	Radio install on dirigibles. Re dimensions of receiver for. W	
291669	3/20	Marconi Co	Submits list of apparatus delivered and tested at the Norfolk air Station. W	
290772	3-21	To Phila.	Manuf of fittings for radio compasses for seaplanes. Directs proceed with work. W.	919.
290764	3-21 Phila-Copy of tel conversation re packing and shipment of radio equipment-compasses. W 4-24	To Interl Radio Tel Co.	Desirable to ship radio compasses and houses to Phila by auto truck. Directs concentrate on manuf of Henderson engines. W.	919.
291239	3/22	To Signal Corps	Fwds manuf drawings for 1/2 KW airplane radio transmitter. W	
291678	3/22	To Signal Corps	Will soon fwd report on Cutting & Washington set. Comments on set. W	

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
289720	3-15	Dayton Engrng Lab'y T	Request voltage and output of Aerofan generators. W
289284	3/15	To S&A	Reqt shipt of transmitters from Wash to Pensa.W Received back 9:30
289285	3/15	To S&A	Reqt shipt of trans sets from Wash to Pensa. W To S&A amend of SO 3-15th /1918 3-12 To S&A req amenment to call for one Sperry radio trans sets 7/25 cross to 7/36-38
289287	3/15	To S'A	Reqt shipt of transmitters from Wash to Miami. W Shipment order RB 4-12
289288	3/15	To Cyril Rhinehart T	Buff notified and auth given to inspect flying boats. Confer with Lt. Schofield. W To BUff—(T)Directs co-oparate.3/15 Inspr Curtiss-Mr.Rhinehart did not visit ~~Buffalo~~ Buffalo March 15th.-3/18
289855	3/14	Sperry Co VOID	States have 2000 pairs of carbon suitable for 36 inch searchlights in stock-quotes price.
289861	3/14	E.J.Simon	Wiring diagram for airplane sets-reports fwding print to Wireless Improvement Co.
289815	3/15	DeForest Company	Fwds book of instrns with wiring diagram and photographs of their latest radio transmitter for seaplanes.W

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918-AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
289800	3/15	C.D.Reihhard T	Request authority to inspect Curtiss flying boats in connection with radio inspection.W
289969	3/15	E.J.Simons	Wiring diagram 1/2kw airplane transmitters-fwds.W To--Comments on.3/19
290029	3-16	GE Company T	Final test made - will arrive at Norfolk Monday. W
289875	3/18	To Wash	Manuf of airplane compass receiver SE 950. Directs manuf 6 of 25 to be completed by March 30th. W
289631	3/16	To De Forest Co	Acknowledges receipt of instrn booklet of 5 KW sea plane radio transmitter. Reqt prepare similar booklet made up of negative vandykes from which Bu may reproduce prints. W
290477	3/16	Washn	Fwds copy of letter to Natl Elec Sup Co outlining procedure to be followed in printing of condenser dials for air compas receiver.W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
286189	3/5	To Norf Copy to Western Elec Co.	Test of signals from airplanes. Submits report of. W
286046	3/5	To Miami	Sperry generators. Tests showed same to be satis. W
287353	3-5	Cutting & Washington	Will bring sample to Washington - 1/2 kw airplane set - for examination. W
287229	2/21	European force 7-16	Gives list of French publications considering radio sets for airplanes that have been translated into English-have been fwded to Bureau
286594	3/8	TomS&A	Interplane radio telephone sets. Reqt shipt of material be properly marked and shipt expedited. W To Western Elec Co--Directs deliver telephone sets to NY. Instrns re marking.3/8 S&A-Case telephone keys shipped London via steamer PHILADELPHIA, March 4th.W 4-16
287132	3/8	To Marconi Co	Flight performance of airplane radio trans under development. Directs make tests at Hampt Rds. Instrns in connection with. W To GE Co--Ditto. 3/8
287129	3/8	To Pub Utilities Com,	Springfield, Ill. Fwds copy of "Report of Elec auxiliary system for naval dirigibles, Test of Goodrich Experimental equipment" W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
287253	3/8	To Cutting & Washn	Reqt infor re progress and development of 1/4 KW airplane radio set and approximate date of test.W	
287255	3/8	To Rockaway	Condition of apparatus. Bu has report that dirigible has been damaged. Reqt condition of ratio set.W RB-3/14	
287515	2/19	To Lt. Gray	Aircraft equipment. Gives battery requirements for radio equipment for H-16 special flying boats.	
288207	3-8	Crocker Wheeler Co	Request instructions re stamping airplane generators with type numbers. W To—Gives infor reqted.3/12	
288643	3/12	Marconi Co T	Rep. will arrive H ampton Roads for test on sample airplane radio transmitter - W	
288887	3/12	Cutting & Washington T	Airplane radio set will be in Washington March 14th.	
288044	3-12	Wash.	Auth Yard to furnish hubs for DeForest radio sets now in stock, and equipped with fans being manufd by E.J. Simon. W.	876.
289085	3/11	B.F.Goodrich Co	Request payment for radio set for dirigible shipped RockawaynBeach.W To S&A—Ask if invoice has been received. RB-3/25 3/16 To—Reqt duplicate.3/26	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
350640	9/21	To Air Stations (3 letters)	Fwds. drawings for Aircraft Equipt. W	
350642	9/21	To Marconi	Reqts. 150 copies their book re transmitters. W	
350643	9/21	To Pensa.	Fwds. 1 copy of instruction book. W To ----Fwds. copies of transmitter 10/10 C&R Oct. 11 Aircraft Factory-Conf tel conv in con with. W 10;22	
350647	9/21	To S&A	Reqts. shipt. of radio apparatus from Brook. to Gloucester for general store. W Received back 10;24	
351337	9;18	Chatham	Did not get the entry	
351785	9;23	West Elec Co	100 airplane radio sets req, make arrangements for test. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
351922	9;23	C&R 736-3	Copy of dispatch to Superintendent at Akron, asks date on which radio test conducted on dergeable	
352025	9;21	C&R 736-8	Copy of shipment order covering wireless cost from Hampton Rds to Aircraft Factory.	
350098	9/24 fwd S&A 4th Dist To Glouch-	To S&A 6-3 6;23-Reqst allotment $62.86 allot of 62.86 made 6/30	Reqts. shipt. of radio material from NY to Gloucester for Aircraft. Gloucester 11-27 Gloucester 12-30 To Fleet Supply Base So Brook- Description of app called for in Bu let of 9-23rd 1-11 4th Dist-5;19-Gloucester resqt special allotment $56.20 To Glouch- rec adjustment be made 5-21 Gloucester 5/29 S&A-Fwds copy of report of partial shipmt. 5;29	
351616	9;21 To--- Taking action to procure priority for manfrs. 10/4	International R T Co	Airplane transmitter, req drawing up contract calling for payment of 30% of price upon assignment, sub detailed cost prices of W International Radio Co 9;24	
318197	9-30 BayShore-	To Hampton Rds Norf. Submits Weekly report 10-9 SEE CARD 73	Fwds inform re radio telegraph weekley report on radio apparatus for patrol aircraft W To Key West,,no transmitters available 9-30	
352503	9/27	To S&A	Reqst shipt from Washn to Paullac radio apparatus W	736-9

(See Duplicate)

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
349660	9/19	To Phila.	Gives list of items on which shipt. reqts. are being issued. W To Wash. Gives instructions for shipt. of items listed. 9/19
350076	9/19	To S&A	Reqts. shipt. of radio apparatus from Wash. to Pitts. for Mazer Acoustile Co. W
350792	9;20	Akron	Tel: U type plate, radio instal completed. W
318197	10/11	Rockaway SEE 168 See CARDS 56 & 69 & 73	Submits weekly report W/ S.D. 10/5 To Air Stations (10 Letters) Reqts. that weekly reports be made in duplicate. 9/20
SEE CARD 111		Hampton Roads-9:24 SD-Sub weekly report 9:14 Key West-Sub location of sets 9;23 Bay Shore- Sub report of test on rec set instal on HS-2 9;26 To Miami. Batteries will be shipped to Sta. as soon as practicable. 9/24	Rockaway-Sub report 9:19 Miami-Fwds rep - 9:21 Pens-List apparatus received week ending 21st Miami- Fwds weekly report week ending 21st Ny- 9;20 S&A - 9:21 Rockaway Bridge-9:27
350743		9;19 Dept Inspr. Curtis Oct. 11 Confirms telephone conversation re expidated radio equipment	Req comments in connection with HS seaplane delivered and ordered with radio set. W
CARD 72		To C&R- Asks if larger perctge than 1/3 HS-2 boats be equipd with radio at aircraft factories in near future 10-24	Pens-Req 36 copies of booklet for aiplane radio school at station. 10:1 To Dept via C&R- RE release of flying boats without radio equipmt before 10-15th 10-14
351165		9;21 Dept	Copy of letter to Hampton Roads rel to assigning seaplanes for radio experimental work. W To Operations. Gives flight orders for officers & men at H.Rds. 9/24

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
352549	9;25	H W Hoyt	Tel: Type N Blunt, req receiving set ear phones. W Shipment order 9;28 received back 10;24	
352571	9;23	War Dept	Req 10 copies of specifications and drawings covering receiving sets. W	
352712	9;25	E J Simon	Sub advantages for light weight airplane transmitter successfully tested out. W To---Impossible to announce at this time exact date of test of apparatus. 10/5 E.J.Simon Oct. 4 Ask when test of light wieght air plane transmitter will be made W To--- Will be inforemd when date of test of above transmitted can be made 10-14 E J Simon Co-Asks when and where sets are to be tested. 11;1 E J Simon- Req action.	
352714	9;24	Cutting & Washington	Airplane for airplane transmitters being shipped to various stations. W	
352626	10;24	Dept	Old Number	

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
285323	3-1	Crocker Wheeler Co	Airplane generator - asks what schedule of shipment Wireless Improvement Company will require on the 200 sets ordered. W
286293	2-11	European forces	Reports on visit to Wormwood Scrubbs, in connection with airplane apparatus. W To Hampton Roads 4-11 RB 4-26
286297	2-7	European Forces	Forwards copy of request to ship sample radioaapparatus to Washington. W
286299	2-11	European Forces	Lieut Bastido - reports on visit to Felixstrom. W
286301	2-7	European Forces	Copy of letter to expeditionary forces, relative to supply of airplane apparatus. W
285591	2/28	A. B. Moore	Asks information on generators reqd for airplane set - DA & W To--Directs communicate direct with Marconi and GE Co. 3/5
285600	3/1	Kilbourn & Clark T	Request orders for material in order to keep working force intact - W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
285935	3/2	Miami Rp	Generator of Sperry Aerial set burns out armature commutator at high speed - DA	
283561	2-26	To Dept.	Radio and elec equipment for H-16 special H-16 regular and HS-1 type seaplane. Gives status of. L.	736-6
285428	3/2	To Crocker Wheeler Co	Gives deliveries of A irplane sets from Wireless Improve Co. Directs delivery motor generators to company in accord with. W	
286224		old no	Phila - 3-16	
285433	3/2	To Bu Standards	Report of signals received from Airplanes operating from Norf. Fwds. W	
286543	3-4	DeForest Company	Reports on second test of 5 KW radio ~~xx~~ transmitter for seaplane. W To--Comments on.3/11	
286332	3-4	Miami Air Sta.	Audion receiving set received without B battery; request permission to get one from Experiment Station. W.	736-1.
286984	3-5	Boston Yard	~~Airplane antenna wire - report on test.W~~	
287029	3/5	Bu Standards	Reports on signals recd from airplanes.W Bu Standards-3/8	

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
283942	2-23	Brooks, GE Co	W.L.Brooks will phone Monday, re seaplane transmitter. S W
283568	2/23	To Wireless Improve Co	T Directs send fan to radio test Shop Wash soon as possible. W To Edison Stor Bat Co--Directs include all tooling costs in first order. 2/23 Wireless Imp Co - Are forwarding fan to radio test Shop.W 3-5
283570	2/23	To Inter'l Sig Co VOID	Directs send one 20" radio compass coil out of first lot completed to City College of NY, for instrn purposes. W
284203	1/30	Sims Copy	No 7737 - fwds copy of request of army to supply telescope mast for seaplane - W
284209	1/30	Lt G. H. Bastido	Submits report of gunners who visited Felixestone, England on radio installations in British seaplanes - W
284215	1/24	European Forces	Telescopic radio mast for seaplane - fwds correspondence and plan - W
284579	--	F. D. Waldron	Copy of bill of lading shipping of sample helmet telephone set - W

N.S.E. Form 134.

AIRPLANES; RADIO 918/

Number.	Date.	From or To—	Subject.
284582	2/20	Crocker-Wheeler Co	Gives characteristics of sample generator for airplane being made up - W
284409	2-25	Sims #4413 T Sims -fwds British auth comments on radio apparatus 5/27.	Request description and sample of standard radio apparatus for seaplanes be expedited. W To--Gives infor reqted. 3/4 Sims Copy 7861-I L- 7861 Reqts. 50 additional transmitters. W 5;13 To (T) Sims, re 30 Simon Sets and 21 Receivers fwd, 5-14
283567	2/25	To Atl Train T	Instrns re test of radio transmitters. W. PENNSYLVANIA - T Have requested information from Com. Train. W 2-24 To Norf--Reqt inform Atl Train when airplane radio set is to be tested. 2/27
283717	2/25	To C&R	Suspension cables on dirigibles, for use as counterpoise for radio set. Comments on, and reqts make necessary changes to accomodate. W MB-3-1
284039	2-25	Nav. Com.	Long range airplane radio test. Instrns in connection with. W. 824.
284375	2/27	To Pensa	Photographs Simon Airplane radio set in R-6 machines. Reqt fwd. W Pensa--fwds photos. 3/12
285841	3/1	To Sims T	Best deliveries interplane radio sets ship April 1st. Production in quantities for British after June 30th. W Sims - (4671) states his 4417 referred to complete radio telephone sets for interplane communication - 2/5 - W To--(T) Will ship interplane sets about March 15th. 3/6 Sims Copy 8162- I L-8162 submits report of British test on Western Electric interplain radio telegraph. W5;20

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AIRPLANES: RADIO.

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Number.	Date.	From or To—	Subject.
282024	2/4	Western Elec Co	Detector amplifier-states if they receive order-model be returned.W To—Acknowledges.2/19
282131	2/15	War Dept	Inductances and condensers for ~~signalcorpxx~~ Signal Corp shipping instructions.DA To Wash—2/23
282017	2-14	Western Elec Co	Samples of radio equipment from British Admiralty, which Bd of Investigation will reserve for airplanes and submarine chasers - ask if their company will work with the board. W To—Acknowledges.2/20
282290	2-15	Crocker Wheeler Co	Gives number of generators shipped, to be, by March 1st. W
282682	2/18	H.W.Nichols T	Leaving for seaplane test Tuesday.W
282749	2-11	Dublier Cond. Co.	German radio installation taken from a captured airplane; fwds. description; photo; W.
282296	2/18	To Dept	Progress summary, aviation radio material, foreign service. Fwds copies of status of. W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
282667	2/15	MEMO FOR LT. COMDR. TOWERS.	Re radio installations on H-16 machines.
282305	2/19	To Norf	Characteristics airplane antenna. Fwds blueprint as listed of. W To Firms--Ditto.2/18 Sperry Co--2/21 To Sperry Co--2/27 To Firms--Fwds blueprint.3/2
283111	2-19	E. J. Simon	Request that sample 1/2 kw airplane generator being built by Crocker Wheeler Co be sent to their works for test. W To--Acknowledges.2/23
283113	2-19	NY	Reports non-receipt of any airplane radio set under contract 28310. W
283206	2-18	E. J. Simon	Copy of letter to Wrieless Imp Co, stating their drawing of rigs is incorrect. W
282786	2/20	To C&R	Aircraft equipment, telescopic masts. Reqt ship at once to Hampt Rds. W C&R--copy of shipment order.2/26
272648	2/21	To Dubilier Cond Co	Acknowledges receipt of description of German radio installation. W

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AIRPLANES: RADIO.

1918

Number.	Date.	From or To—	Subject.
279346	2/7	To B. F. Goodrich Co	Appvs price of $7,500 for 14 sets. Lists what each unit will consist of. W To—2/9 B.F.Goodrich Co-T-gives est cost of change.W.2/14
To—(T)Reqt 17 sets as originally planned.2/14 B. F. Goodrich Co - (T) states must have Class A priority if order for radio sets to be placed with them 2/14 -W			
279612	2/8	To Wash	Development, design and manuf of airplane direction finder, receiver and amplifier. Expresses appreciation for speed in which done.W
279796	2/8	To GE Co T	Reqt send representative to Wash to make bid on aero compass receiver. W
280048	2/8	To GE Co	Weight reel and wire ten pounds, which leaves sixty pounds for motor gen and transmitter.W
280682	2-9	Crocker Wheeler Co	Western Co. asks for curve in air-planes desired. Asks if satisfactory to give. W. To—Acknowledges.2/16
279898	2/9	To Nav Intell	Fwds corres pertaining to Pan Amer Wireless T&T Co. W --RB2/15 To Dept via Operations—Fwds letter from Pan Amer Co.3/7 To—3/7----RB--4/13
280140	2/9	To Callophone Co	Fwds characteristics of telephone circuits in airplane radio receivers. W
280282	2/9	To MR Hutchinson	Audion B battery giving only 40 volts will be required for airplane audion use. W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
280925	1/24	Sims Copy	No 7207 - Submits specifications for type 54 - A transmitter, receiver and relay for seaplanes - W
~~79~~ 280813	2/4	Operations	Fwds suggestions from Lt.R.A.Lovett on telescopic mast for airplanes.
280476	2/12	To Miamia	Install of radio transmitter on R6 machines. Fwds drawings showing proposed method. W
281221	none	none	Reports on test numbers 1 to 11 made under general supervision of Lieut.Lavender of the radio and elec system for dirigibles known as Plan-C constructed by the B.F.Goodrich Co.W
~~281211~~	2/11	Cutting & Washington	Reports completion of design of 1/2 KW 375 meter airplane set - W
281865	2/13	E.J.Simons	Aerofan being built with 1/2 kw airplane radio transmitters-fwds Vandyke.W
281683	2/15	To Crocker Wheeler Insp T	Auth reb-ring frames and fitting larger stator in machines now being held up. W
281745			Clark--T-request gadena crystals be mailed.2/15

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N.S.E. Form 134.

918:AIRPLANES:RADIO

~~278943 2/1 GE Co High power radio sets for seaplanes~~

Number.	Date.	From or To—	Subject.
278943	2/1	GE Co	High power radio sets for seaplanes-trailing wire antenna-request information rel to dimensions,etc.W To--Comments on.2/7
278648	2/4	To E. J. Simon	Airplane antenna lead out design. Expert Radio Aid Johnson will call for conference in a few days. W
279206	1/21	European Force	Radio apparatus for seaplane syntonizer and wave meter used by the Royal Naval A ir Service-fwds sample.W
279205	1/7	European Force	Fwds form request be filled in and submitted showing monthly progress and summary of aviation radio material foreign service.W To--Fwds.2/16 To Sims--Fwds progress summary.3/1
279203	12/21	Sims	French radio apparatus for seaplanes. Reports on status of securing.W
279204	1/21	European Force	Wave meter No.2 used by the RoyalNaval Air Service-fwds specifications.W
278352	1/22	European Forces	British radio apparatus for use in seaplanes-fwds notes by Gowan and Rothenberg.W
279641	2/6	Dept	Miami station directs shipment of 40 radio spark sets for use with seaplane - W To S&A--Reqt shipt of trans set from Wash to Miami. 2/8

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[OVER.]

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
277124	1-25	Pensa Air Sta	Fwds uncompleted radio report, evidently compiled by E. F. Meissner, former expert radio aide. W
277743	1-26 none	Army & Navy Aircraft Bd C&R	Fwds report on wireless fire control apparatus, for airplanes. W
278034	1-31	C&R	Telescopic mast for radio on seaplanes. W
277794	1-26	Wash	Aeroplane radio receivers, single circuit type; fwds report of test. W
277778	2/1	To Marconi Co	Development work on telescopic radio mast for Navy Airplanes. Detailed comments on details of. W
278563	2/1	E. J. Simon	2 1/2 KW airplane radio set - fwds van dykes - W
278852	none	Pensa	~~278852~~ Fwds recommendation for wireless system for hydroplane developed by Antony S Santos, student aviator. W

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
275491	1-5	European Forces	Fwds specifications for radio equipment for air service, in duplicate·W
276027	1-23	C&R	Radio generator foundations - recommends representative go to Buffalo in connection with. W Fwd C&R--1/26 To C&R--3/15
276058	1/24	To GE Co	Understand company is developing small type of film resistance, same size as an ordinary cartridge type fuse. Directs keep Bu informed re progress.W GE Co - 1/29 - W To--2/5
276060	1/24	To Western Elec Co	Aviators receiving telephone helmet which makes use of soft rubber rings around ears. Directs keep Bu informed re progress on. W Western Elec Co-Fwds sample telephone set by parcel post.W 2-27
276062	1/24	To Martin Aircraft Corp	Special type of telephone receiver helmet for use of aviators. Reqt submit sample helmet for test. W Glen L.Martin Co-1/21 To--2/4 Co 2-7
275049	1/19	Dept	Pensacola Air Sta request be furnished with certain radio equipment - W
276349	1/25	To Marconi Co	Reqt information re progress are making on airplane transmitters of bulb type. W GE Co 1-30 To GE Co--2/5 Marconi Co--reports on status and developments.2/12

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N.S.E. Form 134.

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
276451	1-24	Dept	Request that Key West Air Sta be supplied with radio transmitting and receiving set designed to enable seaplanes to communicate with vessels. W
276107	1-22	De Forest Co	1/2 kw radio transmitters for seaplanes; reports on status of developments·W
276544	1/26	To Firms	Proposal for bids on 300 aero compass receivers. Submits information which proposal will contain. Reqt prepare bids. W To—2/1
276641	1/26	To Sperry Co	Armatures returned to company Adams Express December 31st. W
276650	1/21	Bost Yd	Fwds report of test of Helical load inductances on Simon 1/2 K W airplane transmitter - W To E. J. Simon—Submits above report.1/28
276636	1/29	To Dept	Material to be supplied on airplanes. Submits list of, according to Bu understanding. WLDA Operations 2-6
276804	1/28	To S&A	Reqt shipt of radio set from Wash to Key West. W

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
274359	12/28	European Force	Radio apparatus for seaplanes reports dates when Admiralty can supply for equipping Irish Stations.W
274358	12/27	European Force	Radio apparatus for seaplanes type 52 transmitter-fwds specifications.W
274347	1/3	Dispatch Agency London	Reports on order to dispatch one case containing radio valve.W European Force-reports fwding cases.1/3 To--Directs fwd to Wash. 1/19
274353	12/28	European Force	Manufacturing specifications covering radio apparatus used by Royal Navy air Service-fwds details together with prints,etc.W
273969	1/17	To Firms	Will desire to use stor battery as source of power for 100 mile continuous wave trans set both in flight and on water. Comments on requirements.W
274235	1/17	To Firms	Lt. Lavender and T.Johnson will make frequent visits. Reqt co-operate with. W
274255	1/17 L.S.Bracht-Co--3/19	To L.S.Brach Sup Co	Reqt fwd to Wash one airplane antenna reel of latest design for test. W D. S. Brach Supply Co - 1-22 - W To--3/14
274382	1/17	To Nat'l Elec Sup Co	Gives voltage tests for Crocker Wheeler Generators. W

N.S.E. Form 134.

AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
274630	1-12	Pensa	Fwds report on radio constants of a trailing wire seaplane antenna; submits list of unfinished reports at time of transfer of radio laboratory equipment. W To--1/22
274481	1/18	To E.J.Simon	Install of Simon Radio trans for airplaines in HS1 and H-16 boats. Directs send one set to C urtiss Co. W
274871	1/17	DeForest	1/2 kw airplane radio transmitter undamped waves-states impossible to build satis oscillion having low voltage as 12 volts in connection with using motor gen driven by 12 volt battery in lieu of fan driven gen. To--1/21
274968	1-15	E J. Simon	Aeroplane transmitters, frequency meters; copy of letter to Weston Elec Instr Co.W
~~275398~~	~~12-28~~	~~European Forces~~	~~Installation of telescopic mast in sea plants. Fwds photograph and catalogue.W~~ Fwd C&R--1/26
275357	1-22	Pensa T	No special report available. W To--(T)Reqt five copies special radio report.1/21 ~~To Hampt Rds--(T) Reqt five copies special radio report. 1/22~~ Hampton Rds - T-No copy at station.W-1-28

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[OVER.]

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
273278	1/11	Sims Copy 2857	Require only 150 Simon spark for first installation. Have secured some from the French - request data on weight. Also request 210 spark receivers, also continuous wave apparatus - W To--(T)1/17
272291	1/12	To Crocker Wheeler Co	F wds report of conference between M.C.Spencer and Bu. Test of voltage of 1500 volts for D.C. winding and 5000 volts for the stator winding as minimum test voltage desirable. W
272757	1/12	To Marconi Co	Fwds drawings of telescopic radio masts for seaplanes. W
273607	1/14	To Miami T	Directs local telephone company give all possible assistance to L.C.Everett in erecting experimental apparatus. W
273863	1/14	Inspr Curtiss Garden City	H-16 boats-reqt installation blueprints covering radio equipment.DA To--Will furnish Curtiss Co with install blueprints.1/17

N.S.E. Form 134.

AIRPLANES: RADIO 918

Number.	Date.	From or To—	Subject.
270596	SEE CARD 28		To Wireless Spec Ap Co T--1/16 To Wireless Spec Ap Co---Gives change in supply.1/16 To De Forest Co--1/21 Emil J Simon request specifications 2-8 To E. J. S imon--2/15 To Nav.Intell. Fwds. copy of report of Conf. on Aeroplane Equipt. W 2/19
273587	1/16	To Phila	Receivers for radio compasses submitted by International Sig Co. Reqt detailed comments and criticisms on. W Phila-will submit reply about Feb.11th.2/9
273590	1/16	To Crocker Wheeler Co	Submits report of test of airplane generator. W
274376	1-15	E. J. Simon	Fwds additional vandykes·W
274363	12-31	European Forces	Radio equipment used in Royal Naval Air Service; reports arrangements have been made for shipment of samples to Bureau.W
274362	12/28	Eurppean Force	Radio apparatus for seaplanes-fwds description and list of that which the Admiralty has been requested fwd samples to Bureau.W
274360	12/28	ditto	Radio apparatus for seaplanes type 529 and 549 transmitters-states Admiralty has cancelled orders for the reception of 5 sets one set to be shipped to Bureau.W

NB—0120

[OVER.]

AIRPLANES: RADIO.

1918

Number.	Date.	From or To—	Subject.
272441	1/8 Simon 1-12	Inxpx E.J.Simons	Request report made by the Pensacola Air Station on their inspection of aircraft in connection with radio apparatus.W To—Fwds copy of report. 1/11
272440	1/8	E.J.Simon	Recommends testing on the ground installation and operation of airplane radio sets.W To—Dummy is available for tests.1/12 Co 2-6 To—2/9
271900	1/8	To E.J.Simon	A pplication of Crocker Wheeler airplane gen to transmitters. Instrns re applying. W E.J.Simon 1/11 - W Simon 1-17
272291	1/4	Washn Yard	Fwds report of conference held with Mr.???? of the Crocker Wheeler Co on details of 1/2 kw radio gen for airplane use.W
272136	1/9	To E.J.Simon	Fwds revised index of drawings, Airplane Radio set. W E.J.Simon - 1/11 - W To—Fwds copy of revised index of airplane radio set.2/1 To—Lists changes to make in drawings.2/16
272233	1/9	To Pensa T	Directs fwd Vandyke details panel fittings to mount Simon set on R-6 seaplanes. W
272257	1/9	To Firms	Submits detailed information in regard to development of radio apparatus for airplanes. W
272937	1/7	Sperry Co	Fwds bill covering gen for constant speed air turbines shipped to Pensacola air Sta.W To—D irects alter fan and shipt same to Wash. 1/14

N.S.E. Form 134.

AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
272235	1/10	To E.J.Simon	Fwds blueprints showing layout plan of mounting of 1/2 KW Simon radio sets. W E. J. Simon - 1/1 Pensa fwds vandykes 1-11
272783	1/11	To E.J.Simon	Fwds copy of conference between Bu and M.C. Spencer of Crocker Wheeler re 1/2 KW airplane radio generator. W
272856	1-9	E. J. Simon To—Directs fwd further drawings.3/15 E.J.Simon-Gives list of drawings fwded on various dates.W 4-1	Simon aeroplane antenna reel; fwds vandyke.W To—Rect fwd latest vandykes.3/5 E.J.Simons-fwds VanDykes.3/6
273326	1/8	Federal Telegraph Co	States will be unable to develop set sutiable for use in dirigibles at this time.W
273587	1/9	Washn Yard	Test of Simons air fans for 1/2 kw airplane radio transmitters-fwds copy of report.W
273590	1/9	void Crocker Wheeler Airplane	
273590	1/9	Washn Yard	Crocker Wheeler Airplane generator-fwds report on wind tunnel test.W
273591	1/9	Washn Yard	DeForest 1/4 kwm airplane transmitter-fwds recommendation for fans.W

NB—0120

[OVER.]

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
269899	12/28	To Dept	Development of apparatus for use on airplanes. Lists aparatus and reqts comment on. W
270388	12/28	E.J.Simon	Contract 599--airplane generator-fwds print showing principal dimensions.W
270881	1/2	C&R	Wireless installation on seaplanes A-138 and A-139.W Fwd C&R--1/10 C&R-recommends against installing radio sets on seaplanes mentioned.W
270961	1/2	C&R	Fwds blueprints of magneto assembly used on Koban motors.W
270202	12/31	To Dept	Equipment of airplanes. Rec Irish and West Coast of England be equipped with apparatus as listed.W Other recommendations. W
271075	1-2 To Pensa--(T)Ask what points are unsatis.1/10 Pensacola-T-friction tension brake on Simon gen unsatis.1/11.W To Pensa--1/14 E.J.Simon 1/11	E. J. Simon	Contract 599, aero fans, tension brake mechanism for aero generator; calls attention to their revision of drawings.W Pensa (T) satis 1-9 To Pensa --(T)Directs submit report re acceptance of.1/8 To--Gives action.1/9
271134	12-31	De Forest Co	32 volt aeroplane generator set; fwds copy of letter from the Elec Spec Co, giving time of delivery, rate of shipment, weight, etc.W To--1/5
270043			C&R copy of letter to Supt Constr Buff, forwarding plans 12-28

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N.S.E. Form 134.

AIRPLANES: RADIO. 918

Number.	Date.	From.	Subject.
	To Crocker Wheeler Co 1/14 To E.J.Simon--1/11 To De Forest Co	E. J. Simon 1/11 - W	E.J.Simon 1/11 Ask when transmitter will be ready for test.1/11
270596	1/3	To Firms,Signal Officer	Fwds copy of report of conference re airplane equipment. W To Wash--Detailed instrns re test of amplifiers for use in airplanes. 1/3 To Firms--1/3 SEE CARD 30 To E.J.S imon--Directs co-operate with Wash in development of airplane receiver.1/4 To Wireless Spec Ap Co-- Reqt keep Bu advised of progress.1/4
	To Crocker Wheeler Co. 1/4 To E.J.Simon--1/4 To Firms--1/4 De Forest Co 1-7 Marconi Co 1-8 Crocker- Wheeler Co 1-8 De Forest Co 1-14		
271005	12/29	To Crocker Wheeler Co	Fwds drawings of airplane gen gase details and fan hub and brake, also drawings of drilling for base. W
271646	1/3	Boston Yard	Crocker wheeler Co airplane radio generator-- fwds copy of letter to Crocker Wheeler Co. specifying constant of new 1/2 kw radio gen.
271577	1/5	To Pensa T	Directs fwd report of all unfinished reports on airplane radio work. W
271542	12-15	European Forces	Wireless telegraph apparatus used by the Royal Naval Air Service; fwds list of.W
271893	1-5	C&R	Copy of instructions to Montauk Air Sta, directing radio not be used until certain laterations have been made.W
272095	none	War Dept	Metallization of wings ?? aerial on airplanes--fwds report on.W
272200	1/7	Crocker Wheeler Co ~~272200~~	Reqt return from Pensacola of1/2 kw airplane generator with transformer key.W To--1/12

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[OVER.]

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
268328	12/20	To Marconi Co To Firms.	Reqt send engineer to Wash Yard for conference in connection with purchase of 500 receivers for airplane use. W
269385	12-4 12-24	European Force Dept	Recommends installation of telescopic mast in seaplanes; fwds prints and recommendations. W Fwd Dept--12/28
269517	12-21	Wireless Improvement Co	Fwds copy of letter from E. J. Simon, relative to protective devices to be attached direct to the generator for aeroplane sets. W To--1/10 Wireless Improv Co-protective devices not figured in estimate. W To Wireless C o--Directs supply two of devices with each set. 1/21
269530	12-24	Crocker, Wheeler Co	Request report of test on a 1/2 C E B, 1500 B direct current radio generator tested at Akron. W To--12/28
269710	12-26	Sperry Co	States are in a position to furnish quenched gap aeroplane transmitters, Simon design. W To--12/28

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918:AIRPLANES:RADIO.

Number.	Date.	From or To—	Subject.	
269988	12/27	Inspr Goodyear	Elec auxiliary system for dirigible "plan C" fwds recommendations report and prints.W	
	To Goodrich Co--Will need only 18 sets for dirigibles.1/26		To--Detailed comments and instrns on.1/4	
	To Goodrich Co--(T)Directs expedite quotation.1/29		Fwd C&R via Dept--1/10 RB 2-8	
			B.F.Goodrich Co 1-18	
269789	12-26	E. J. Simon	Asks if motive power is to be furnished by Indian engine or Koban engine in experiments in connection with radio, to be undertaken at Rockaway Beach.W	
			To--12/29	
			Simon 12-31	
			To--Directs proceed with install.1/4	
			E J Simon 1-7	
270043	12-28	C&R	Seaplanes, radio generator foundations; copy of instrns to Supt Constr Buffalo.W	
269350	12/26	To Dept	Equipment of airplanes. Must be developed. Reqt with dummy airplane for radio apparatus at works of GE Co and Marconi Co. W	
			Dept states impracticable to furnish a complete seaplane to factory for sole use of manufacturers of radio equipment	1-2
			To Marconi Co--1/8	
269702	12/27	To Rockaway Beach	Simon radio set in dirigibles. Directs install in Goodyear dirigible. W	
			Rockaway Beach 12-29	
			To--1/4	
268402	12/27	To Pensa	Data on standard airplane antenna. Reqt infor in connection with. 12/27	
			Pensa 1-4	
269887	12/28	To Constr Akron	Expedite report radio plan Goodrich Co. W	
			Hood (T) report and radio plan C mailed Thursday 12-29	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
267219	12/13	Copely Mfg Co	Airplane antenna wood-reports fwding sample-asks if Bureau desires to pruchase.S To--Appvs sample submitted.12/18	
267427	12/14	DeForest Co	Fwds photographs and reports on the new 1/2 kw antenna wave radio oscillion transmitter panel-for use on airplanes.W	
267635	12-11	Wash	Crocker, Wheeler aeroplane generator; fwds report of test·W	
267381	12-13	G E Company	Receiving pliotrons-quotes prices for - states are not prepared to undertake development of complete transmitting outfit for airplanes but will build such outfits on mfgr basis. W	898
267178	12/14	To Pensa T	Directs ship Sperry Airplane radio gen Sperry Co by express. W	
~~267998~~	~~12-15~~	~~Pensacola~~	Seaplanes; installation ofwireless outfits; fwds piece of longeran removed from a wrecked seaplane.W ~~Fwd Dept via C&R--12/22 RB 1-17~~ ~~Fwd Dept--1/21~~	
267451	12/15	To Montauk	Installation of standard airplane sets in dirigibles. Directs make install. W To E.J.Simon--Directs proceed with install. Montauk will co-operate with.12/15	

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N.S.E. Form 134.

918: AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
262589		see card 24	E.J.Simon--fwds addtl Vandykes.12/17.W To E.J.S imon--Fwds prints for numbering.1/4
268368	12/18	E.J.Simon-Airplane transmitting receiving sets-states in position to accept order for 300 additional transmitting sets and 500 receiving sets.W	
268448	12/12	Pensacola	Comparative test of Simons and Crocker Wheeler Co's aero radio generators-fwds report on.W
262589	see card 24		E.J.Simons-fwds Vandykes.12/19.W E.J.Simon-fwds addtl prints.12/21.W Simon have complied 1-19
267785	12/18	To S&A	Reqt shipt of aeroplane radio trans from Wash to Advance Base. W
268206	12/19	To Dyneto Elec Copr Copy to G.S. Montfort	Electric starter and battery charger unit for use in dirigibles. Submits requirements of and directs fwd sample for test. W
269128	12-21	E. J. Simon	Aeroplane drawings; request be furnished with bound copy of drawings obtained from brown vandykes.W
269346	12/21	Pensacola Air Station	Asks if desires any further test on Crocker Wheeler generator and fan.W To Pensa--12/29

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
264405	11-30	Sperry Co	Will have representatives present Dec 3rd for test of fan and brake for 1/2 kw aeroplane radio sets.W	
259686	11-9	To Western Elec Co	Radio telephone head set built into a sound-proof helmet for use in airplanes. Reqt fwd unit to Wash for test.	898
264809	12-3	Akron T	Expect plan C radio apparatus be ready for test Dec 6.W	
264873	11/30	Pensacola	Airplane radio generator delivered Pensacola fwds Sperry Co's bills.W Fwd Pensa--12/5	
264913	12/1	Electric Importing Co	Request comment on design of airplane outfit submitted - W To--Cannot give to any but established companies.12/27	
264654	12/3	To MIT	All reqts for infor re radio equipment should come thru CO of station to which party is attached. W	
265267	12/5	Akron T	Test of Plan C - dirigible radio auxiliary will be held 12/10 instead of the 6th - W	

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N.S.E. Form 134.

AIRPLANES: RADIO 918

Number.	Date.	From or To—	Subject.
264816	12/4	To Wash	Inventory of airplane radio sets purchased in France. Fwds description and copy of invoice. Directs check. W
265385	11/10	European F orce	Shipment of radio transmitting set mfgd by French Radio Company to Bureau-fwds invoice.W
265595	12-3	Pensacola 735-4	Einthoben galvanometers adapted for radio reception; request, for use in connection with experiments.W To—Directs discontinue development. Being handled by Western Elec Co.12/15
265032	12/5	To Constructor, Akron.	T Bu representative will arrive Thursday A.M. Directs notify Mr. Gaumeter. W
266504	12-10	Sperry Co	Fwds certified copies of bills covering material for Pensacola; request payment.W To—12/15
266647	12-8	E. J. Simon	Writes in detail and gives reasons why they should not accept entire responsibility for errors in drawings for 1/2 kw aeroplane radio transmitters being manufactured by other firms according to their drawing.W
266192	12/11	To E.J.Simon	Reqt furnish Bu with Vandykes showing field ammeter. W Simon 1-14

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[OVER.]

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
263383	11/26	Pensacola T	Remodeled Simon generator failed in test due to defective insulation Crocker-Wheeler generator withstood laboratory and air test. W
262589	To--Reqt Vandykes of specns. 12/14 11/24 To E.J.Simon E.J.Simon-fwds additional prints 12/4. W E. J. Simon - fwds van Dykes 12/8 - W To--Ask when revisions may be expected. 12/7 E.J.Simon-addtl prints fwds. 12/13.		E. J. Simon - fwds VanDykes 1/24 - W Aeroplane radio sets. Manufacturers cannot start work on because have no drawings. Reqt fwd drawings to Bu at once. W see card 26 D.J.Simon-fwds prints. 11/27. W Simon 11-28 Simon protests against being held responsible for errors in drawings 11-28 Simon 12-3 Simon additional prints (?)
262577	11/24	To Crocker Wheeler Co	Inductor type of alternator for use with airplane sets. Generator tested at Wash satis. Lists changes to be made in specns. W
262896	11/24	To S&A	Reqt shipt of radio sets for dirigibles from Wash to Montauk Pt. W
262897	11/24	To S&A	Reqt shipt of radio sets for dirigibles from Wash to Rockaway Beach. W
262898	11/24	To S&A	Ditto to Pensa. W
263492	11/26	Wm Siebenmorgen	Generators for navy airplane radio sets confirms Aerogan gas for the C&C Co. W

N.S.E. Form 134.

AIRPLANES; RADIO. 918

Number.	Date.	From or To—	Subject.
263380	11/26	To Akron T	Ask if dirigible radio set still at Akron. W Akron (T) yes 11/27
263617	11/26	D.J.Simons	1/2 kw airplane transmitters-fwds additional prints.W
~~263682~~			
263662	11/23	Wash	E.J.Simon aeroplane fans; fwds report of test on.W
263707	11/14	European Forces	French radio apparatus for aeroplanes; fwds description of that considered best by the French Ministry.W
263305	11/26	To Akron 736-3	Test of Type "C" radio equipment for dirigibles. Directs inform Bu when assembly is complete so can send representative to witness. W Akron 11-28
263769	11-27	Crocker, Wheeler Co,	RB-12/29 One-half kw aeroplane generator tested at navy yard; ~~will be shippe~~ request be shipped to Cutting & Washington.W To Wash --Instrns as above.12/1 Oo 12/14 12/2 - 2/11 - W
To Wash--Directs trace shipt.12/19 To & Cutting & Washn--12/20 To Cutting & Washn--, Ask if have received generator.1/3 Cutting & Wash - shipped by express			
264313	11/24	Washn Yard	Aerofan generators submitted by Sperry Gyro Company-fwds report of test.W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
261342	11/5	L.J.Lesh T	R-6 fuselage request blueprints.DA
261409	11/16	DeForest Co	Fans for airplane gen sets will place order with Simons upon receipt of reqn covering.D To--11/22
261463	11/14	Pensacola	2 1/4 kw oscillion tubes forwarded to ~~Pnes~~ Pensacola by De Forest; relative to payment.W
261530	11/17	Crocker, Wheeler Co	Fwds copy of request from Aviation and Aeronautical Engineering, for certain information to be sent to Sargeant Robert E. Patchel.W To--Disappvs.11/19
261604	11/16	Inspr Goodyear	Goodrich plan C dirigible radio and blower installation-fwds report on status. To--11/23
261740	11/19	To Crocker Wheeler Co To H-C Co	E.J.Simon will furnish drawings of airplane generator free. W
261456	11/16	To E.J.Simon	Desireable to have aeroplane engine designed for set manuf by the C&C Co, H-C Co and Crocker Wheeler Co, as C&C Co cannot turn out enough engines. W E. J. Simon 11/21 To & Wireless Improve Co and Nat'l Elec Sup Co.--Auth apply directly to Aerogen Co in plac of C&C Co for drawings of gen.11/26

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N.S.E. Form 134.

AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
261463	11/20	To Pensa	Two 1/4 KW oscillion tubes fwded to Pensa by De Forest Co. Bu will settle for. W
262226	10/24	Sims Foreign navies	Submits report on airplane radio apparatus used by British-fwds plans and specifications,etc.W
262652	11/13 11/20	Lindetevis Stokvis War Dept 793-11	Offers two airplane sets to Government at cost due to inability to secure export license.DA
262836	11/23	E. J. Simon	Air fan for Simon generator; have sent duplicate fan to Pensacola.W
262615	11/23	To C&R	Standard airplane transmitting set to be mounted in flying boats for foreign service. Fwds Vandykes with comment. W RB 1-18
262800	11/23	Akron T	Request information on revolution and watts of R radio generator for Dirigibles - W To--(T)Gives information reqted.11/26
263385	11/26	Akron T	Crocker, Wheeler Co are shipping Goodrich Co wireless generator design for 116 volt excitation; request instructions relative to test.W To--11/27

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
259676	11/9	To Pensa	Test of Simon airplane transmitter in dirigibles. Instrns in connection with install of, and test of.W Pensacola (T) no opportunity to test Simon radio transmitters in dirigibles 11/27 To--(T)Ask if rec Simon airplane sets for
dirigibles.11/26 To Pensa--12/3 Pensa 1-17 To Pensa--1/22			
259677	11/9	To Pensa	Mounting of Simon Airplane set on R-6 machines. Reqt lay-out plan be drawn up. W Pensa fwds print 11/22
To--(T)Directs return defection Simon generator to manufr.11/20			
260090	11/12	Pensacola T	Crocker-Wheeler and Simon generators; fwds report of laboratory test.W
Pensacola--Crocker Wheeler Co gen sets-fwds report of lab test. Pensacola-T-reqt instrns 11/15.W rel to return of defective Simons generator.11/16.W To--(T) Gen shipt to Simon.11/17			To--(T)Directs hold test to determine if fan or generator is at fault.11/14 To E.J.Simon--Submits report of test.11/14 Pensacola (T) Simon desires return of defective radio generator; request instructions 11/19
260055	11/5	Wash	Aeroplane radio receivers submitted by Connecticut T&T Co; report of test.W
259909	11/10	To Pensa	Test of Simon airplane radio set over range 60-95 miles. Instrns in connection with test.W To--Reqt infor re tests.12/29 Pensa 1-4
259921	11/7	To G.H.Clark, Belmar	Quotes telegram signed by L.J.Lesh in connection with assistance in securing blueprints. W
260375	11/8	Pensacola	Airplane wingfitted for radio gen base-fwds prints. Fwd C&R--11/16 RB 11/24 Fwd C&R--12/14
260977	11/12	Inspr Curtis	Copy of letter to Splitdorf Elec Co directing them to ship all navy magnetos with radio terminals installed.W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
260554	11/13	Crocker, Wheeler Co	States direct current radio generator will be sent to testing department Nov 14th.W
260822	11/14	Sperry Co	States are fwding by ~~mx~~ Mr Clark ~~[illegible]~~ fan equipped with adjustable brake to be used in connection with airplane radio set.
260682	11/14	To Pensa T	Crocker Wheeler say drop under load can be avoided by short circuiting one of two supplied field regulating rheostats. W
260869	11/1 11/15	Inspr Goodyear C&R	Company ask if will be reimbursed for installation of 2 koban motors which they installed to replace Hendee motors in dirigibles A-247 and A-248.W Fwd S&A--11/22
260978	11/13	H-C Co	Aeroplane radio generator; states designers of left samples at their works and will submit prices as soon as they can give complete details W
261003	11/14	Lindeteves-Stokvis 793-11	States have 2 complete transmitting sets, De Forest type, on which export license has been refused; offers to government at cost.W To--Refers to Army.11/19
259964	11/15	To S&A	R eqt shipt of trans set from Wash to E.J.Simon.W
261075			To E.J.S imon--Radio Lab Pensa moved to Hampt Rds.1/22 E. J. Simon 1-17

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[over.]

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
256591	10/24	Communications	Fwds publication by Expert B.S.Maessner, on "Aircraft Radio;" asks for Bureau's sanction.W Fwd Pensa--10/30--RB--11/7
256521	10/22	E. J. Simon	Navy standard aeroplaneset; fwds additional vandykes; gives list of firms who have been supplied with copies.W Simon additional prints 10/25
256288	10/23	To B.F.Goodrich Co	Generator will be fwded to point of destination of dirigibles at same time that remainder of set is shipt. W
257076	10/27	Natl Elec Sup Co T	Received no copies of proposals for aeroplane sets.W
257173	10/27	E. J. Simon	Navy standard aeroplane sets; additional revised drawings; submits list.W
579	10/27	Fwd S&A	Rec of award for radio trans sets for aeroplanes.W
257402	10/29	To E. J.Simon	Fwds copy of report on radio airplane receiver. Comments on. W

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N.S.E. Form 134.

AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
258008	10/31	E. J. Simon	States have given order for aeroplane receiving sets; will use type J Weston Elec electron relay.W ~~To—Submits information re bulb.11/14~~ Simon 11/16 ~~To—Comments on.12/28~~
258027	11/1	To Pensa T	Auth 100 magneto radio keys, total $1500. Incorporate modified handle on airplane reel under manuf. W
258176	10/31	B. F. Goodrich Rubber Co	Reports on development of radio set under revised plan C.W
258208	11/2	To GE Co	Aircraft radio transmitter of a range of 1000 miles, with a limit of available weight of 600#. Reqt comments on. W GE Co submits report on status of 11/10 To—11/14
258779	10/31	Bu SE	Instructions for installing De Forest dirigible radio sets.W
258967	11/6	To Pensa T	Ask when Crocker Wheeler Airplane radio generator may be expected to be received. W Pensacola (T) reports status of test; will submit report Nov 15th 11/7
259878	11/8	Pensacola	Fwds special report on maximum closed circuit capacity permissible for radio use with seaplane ignition magnetos.W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
254509	10/2	E. J. Simon	Zeppelin type airship; fwds preliminary specifications of elec equipment as submitted by Connecticut Aircraft Co.W (Personal to Clark)
254576	10/13	To War Dept Sec Sig	Airplanes radio sets ordered for Signal Corps by Navy Dept. Are ordering 100. Reqt confirmation.
255244	10/17	C&R	Parts of aeronautical instruments purchased in France; states have requested 3 cases be shipped to Bureau.W Fwd Wash—10/23
254929	10/17	To Firms	Fwds copy of specns for aeroplane radio sets, based on E.J.Simon Design. Reqt figure bids in advance of proposals. W Wireless Improvement Co 10/18 Amer R&R Corp 10/20 Amer R&R Corp request plans 10/20 To Amer R&R Corp—10/29 Marconi Co 10/26 Natl Elec Sig Co fwds blueprints 12-11
255493	10/19	De Forest Co T	Curtis Co telegraphed to ship second generator for #2 dirigible .W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
255585	10/11	Inspr Akron	Fwds blueprints covering radio for use on dirigible; recommendations. W To via Pitts--10/23
255522	10/17	To Koben Mfg. Co	Reqt blueprint of motor are going to supply. Goodrich Co say with few minor changes will be satis. W Co 10/24
255796	10/19	Wireless Improvement Co	Request Bureau representative visit and inspect and submit report on facilities for turning out aeroplane transmitters. W
256225	10/17 E J Simon Elec bulb their receiver	Wash loan request ~~list~~ of Western for use in design of 11-30	E. J. Simon aeroplane radio receivers; submits report of test. W To E.J.Simon--Reqt make up six receivers for service test. 11/9 Simon 11/13 To E.J.Simon--11/17
256089	10/22	To De Forest Co	Will test 1/2 KW airplane radio transmitter when completed at Wash Yard. W
256451	10/24	Amer R&R Corp	Aeroplane sets and spares, requisition 580; request copies of requisition. W

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
251332	9/14 9/26	Supt Constr Curtis Co C&R	States will install a governor, to be used for running radio generator; will necessitate specially designed engine.W Fwd C&R—9/28	
251077	9/26	To M.Is.	Elec characteristics airplane radio sets. Submits data. W	
251540	9/14	Lt Robt A Lavender	Aeroplane radio transmitters, Simon, Marconi, De Forest, Sperry and Rouzet; fwds report on witnessing of comparative test.W	
251525	9/27 To Crocker results of	To Pensa Wheeler Co—Will advise tests. 10/5	Fwding express receipts for Crocker W heeler Cos radio generator. W Crocker Wheeler Co fwds invoice and bill of lading covering 10/2	
251730	9-28	To Aero Sta	Development of radio compass for radio air craft. Directs take up with Pensa at earliest convenience.	919
251803	9/28	Dept	Reqt that 2 seaplanes radio sets be Supplied San Diego air station.W To S&A—Reqt shipt of radio sets from Wash to San Diego for Naval Air Station.10/15 To S&A canc ship order 10/15/17 1/31 20	
252566	10/3	Emil J Simon T	Bringing aeroplane set personally to Wash tonight? request meet with Major Tolver, Signal Corps.W	

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
252725	1 0/2	NY	Description of German air ship equipment; fwds copy of report submitted by Connecticut Aircraft Co; believe to be written by electrician who has seen service with German air fleet.W
252920	10/2	E. J.Simon	1/2 kw aeroplane sets; reports inability to reduce quotation and fwds price on spares to be supplied.W
252888	10/2	Electro Importing Co	Calls attention to their aeroplane set which they have developed; request be placed on mailing list.W
To--Comments on prints.12/14			To--Comments re size of.10/19
			Electro Importing Co--11/13.W
			To Wash--Drawing of. Fwds.11/21
			Wash fwds print 12-3
252918	10/3	E. J. Simon	Test of Crocker, Wheeler, 1/2 kw, 500 cycle, aeroplane generator, combining DC exciter and AC generator in one machine; unsatisfactory.W
To--10/8			
253090	10/4	DeForest Co	Propellers for generator for aeroplane drive-recommendations for reducing speed of.W
253299	10/6	Natl Elec Sig Co	T Quotes price on Simon fkw airplane sets.W
253648	10/3	Radio Test Shop	De Forest and Sperry Co's 1/4 kw aeroplane transmitter generators; submits report on test.W

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[OVER.]

AEROPLANES: RADIO.

Number.	Date.	From or To—	Subject.
249946	9/12	Pensacola	Asks when 11 Sperry, De Forest, Marconi and Simon aeronautic radio sets will be received. W
	To Pensa--4/20		Fwd Wash--9/21
			Pensacola Air Sta 2/11 - W
			To Pensa--2/18
			Pensa Sta-Radio set due should be fwded within next 3 weeks. W 4-13
249742	9/18	To Aero Sta	Radio antenna for airplanes. Submits construction of new type brought to attention of B u, and directs test. W
250095	9/19	Crocker, Wheeler Co	Reports shipment of aeroplane generator to Pensacola. W
			To A ero Sta--Directs test generator. 9/21
			To--Test auth. 9/21
250183	9/20	To Marconi Co	Airplane radio sets. Directs proceed with work on, and deliver as soon as possible. Submits certain points to receive special attention. W
	To Pensa--1/29		
	To Western Elec Co--Reqt quotation		on head telephone receiver. 1/29
	To Aero Sta--Auth purchase of one		antenna reel of each type. 11/27
250483	9/21	Pensacola T	States Navy standard airplane radio reel better than Simons reel. W
	To Aero Sta--Directs proceed with design of antenna reel. 9/27		To--(T) Reqt certain information. 9/25
	To Pensa--Directs expedite design. 11/9		Pensacola - (T) recommends Westinghouse co-operate in designing reel entirely of insulating material - 9/26 W
	Pensa 11/13		
	Pensac-design on antenna reel-fwds print. 11/25. W		
250416	9/21	To Aero Sta	Plans and ests of key for magneto radio set. Directs develop. W
			Pensacola fwds plans and estimates for radio key 10/19
			Pensacola - 5/25
			To Pensa- Wants 15 high tension keys mfcrd Pensa to be kept in stock-5-29

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AEROPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
250430	9/21	To Crocker Wheeler Co	A fter Signal Corps have completed tests of low power aeroplane transmitters for use in spotting from airplanes, Bu would like to carry on further tests of. W	
250673	9/21	To Pensa T	Directs report relative value Simon and Navy Standard Airplane radio reel for 1/2 KW set. W	
250910	9/21	Pensacola	Request copy ofreference sent with shipping memorandum.W To--9/26	
232355	9-21	Bay Shore Magneto Co	Will be ready in Oct.	736
251305	9/25	Emil J. Simon	Request authority to furnish Aero Club of America with photographs of aeroplane transmitter.W To--No objection to procedure.9/28	
251171	9/25	To Constr Goodyear Rubber Co T	Directs expedite status Koban motor for radio set. W Inspr Akron-Report on status of Koban motor- will be forwarded tomorrow. Nav Constr Goodyear reports on status of	10/2

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AEROPLANES: RADIO.

Number.	Date.	From or To—	Subject.
247799	9/6	De Forest Co	Recommends that Coban 3 HP, 2 cylinder engine be installed on all dirigibles in connection with radio apparatus.W To—9/17
247911	9/6	Crocker, WheelerCo	Fwds test sheets and curves of their 1/2 AER, 1/2 kw, 500 cycle self-exciter wireless aeroplane generator.W To Pensa--Fwds copy of above letter.9/8 To Aero Sta--10/1 To Aero Sta--Instrns re test of transformers.10/4
247728	9/7	To S&A	Reqt shipt of radio trans set from Pensa to Phila for Advance Base. W
248083	To Pensa--3/5 9/8 Fwd Wash--12/24-RB-2/14 Pensa Air Sta 1-16 To Pensa--2/18 Pensacola Air Sta-reqt shipping instrnd.2/27	Pensacola T	States De Forest airplane bulb inoperative; request 2 by parcel post.W tTo S&A--Reqt shipt of air plane bulbs from Wash to Pensa. 9/11 Pensa 12-18
247872	9-6	Cutting & Wash	1/2 kw airplane set.W. To—9/17 Cutting and Wash--9/27.W To—10/8
249008	9/11	Radio Test Shop	Marconi Airplane transmitters furnished under contract 28309 - quotes on test of sets - mechanical construction very poor states will hold together over 2 hours. To S&A--Reqt shipt of aeroplane radio sets from Wash to Marconi C o. 9/22

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N.S.E. Form 134.

AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
248928	9/13	Pensacola T	Request spare De Forest airplane radio armature.W To S&A—Reqt shipt of aeroplane armature from Wash to Aero Sta. 9/14
249566	9/13	Pensacola	Fwds prints showing recommended alteration aeroplane antenna reel.W
248379	9/14	Pensacola	Simon aeroplane radio transmitter; reports on additional test; fwds photographs.W
249066	9-13	E.J.Simon	Cites increased facilities for manufacturing and gives number of sets that can be delivered in a specified time.W.
249700	9/5	Lt Robert A Lavender	Fwds report on test of counterpoises on dirigible, in connection with airplanes.W
249344	9/17	To S&A	Reqt shipt of dirigible radio sets from NY to Wash
249565	9/17	To C&R	Counterpoises for dirigibles. Comments on new design of. W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
246342	8/29	Pensacola T	Reports field coils of Sperry generator burned out; suggest Sperry fwd another generator in order to complete test W
245960	8/25	To Constructor Akron	T Ask if dirigible will be availble Tuesday for test counterpoise. W
246254	8/29	To S&A	Reqt shipt of radio generator from Wash to Pensa. W
246656	8-30	Pensacola	Submits report on test of Simon transmitter with airplanes.W Pensacola - Request instructions Re further test of assigned set W 8/31
247009	9/1	Pensacola T	Rouzet transmitter; reports result of test.W
247148	9/1	Pensacola T	States no further test can be made with De Forest, Sperry and Marconi sets until defective parts have been replaced.W To—(T) No further report desired.9/4 To—9/5

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
247626	8/13	Marconi Co London Office	Fwds description of their latest type direction finder installations for shore station and on shipboard.W	919
247493	9/5	To Crocker Wheeler Co	Comments re designing smaller and lighter generator unit for De Forest dirigible sets. W Co 9/8 To—9/17 Co request authority to use machine open to ventilation 9/18 To—9/20	
247723	9/5	De Forest Co complaints	States spare oscillion which Lt Lavender brought to Akron damaged, due to careless handling at Washn Yd; will repair and return to Washn.W To—Appvs offer 9/17 DeForest Co--states bulb was delivered from test shop to Lieut Lavender.9/18.W	
247566	9/6	To Aero Sta	Returns tracings of drawing showing aeroplane antenna reel. W	
247796	9/5	De Forest Co	Request authority to allow delivery of 2 dirigible radio sets to Brook stand and deliver balance of order to Wash Yd.W To—Gives action.9/10 To—Comments on.9/15 De Forest Co 9/17 To—Directs draw up plans for pulleys and submit same to Bu. 9/19	

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
244760	8/20	Pensacola T	Will require six weeks to make test W T o—(T) Ask when complete report on aeroplane radio transmitters will be fwded. 8/20 Pensacola (T) states intend to use R-6 seaplanes as N-9 have not sufficient lifting power; request additional pontoon be shipped by expréss.W To Pensa—(T)Directs submit report prior Sept 1st.8/21 Fwd Depy—8/23 RB 8/27 To Pensa—(T) Procedure radio tests satis. 8/23
245278	8/22	Marconi Co	Fwds copy of letter from Aero Club of America for photographs and information on aeroplane sets; request instructions.W To—Directs furnish no information to Mr. Woodhouse. 8/27 Marconi Co fwds copy of letter to Aero Club of America 8/29
245658	8/24	Pensacola T	Sperry aeronautic radio set; propeller blade of motor generator carried away during flight.W To Sperry Co—(T) Reqt furnish another propeller to carry on tests. 8/25 Sperry Co (T) can ship tomorrow; request shipping instructions 8/28 To Sperry Co—(T) Directs ship fan to Pensa.8/28
245754	8/25	Pensacola T	States 2 Simon generators for aeroplane radio set burned out during flight.W
245752	8/25	E. J. Simon T	Request further time in order to complete test now being conducted on aeroplane radio sets.W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
245764	8/25	Pensacola T	Filament for bulbs, De Forest aeroplane radio set, parted during flight.W
245909	8/24	Wireless Improvement Co	Small radio outfit for aeroplanes; request Bureau procure from Cutting & Washington a small generator for experiments with.W To--8/29
245938	none	none	Reports on air test of Rouzet type aero radio transmitter.W
246027	8/27	Pensacola T	Generator, Marconi set, defective; test held up pending receipt of another generator.W
245797	8/28	Paunack, Chgo T	No dirigible available for test.W To Akron--(T) Directs test Thursday.8/27
246067	8/28	Pensacola T	Reports on test ~~with~~ of Marconi set.W

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[OVER.]

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
241437	7-31	B.F. Goodrich Co	Fwds plans, specifications, etc.W
241877	7/28	Wash	Rouzier aeroplane radio transmitter; submits report on test of.W
242120	8/4	To Crocker Wheeler Co	Reqt submit plans of same characteristics as supplied De Forest Co, only lighter weight. W Co speed adjustment for 2 kw motor generators; confirms conference 8/6 To—8/21
242470	8/2	The Phillips-Brinton Co	Ignition system, magneto for aeroplanes; reports will forward in short time.W
232484	SEE CARD 10		To Con Aircraft Co—De Forest Co are fwding models of three first type of dirigible transmitter. Directs fwd same to Pigene Frazer Hollow Spar Co to be fitted to fusilage. 8/8 Mass states model satisfactory 8/22

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
242986	8/8	Bureau Standards	Low power aeroplane transmitter, direction finder receiver; reports on experiments in connection with use of in signalling.W To New London--Submits report from Bu Standards 8/14 Submarine Base 8/27 Fwd--9/1 To New London--9/5
243580	8/13	To Aero Sta	Fitting for mounting radio generator to wing being shipt. Directs test. W Pensacola 9/17
243779	8/14	Connecticut T&T Co T (Hinckley)	States test apparently satisfactory; states accident to generator will postpone completion for about 2 weeks.W
243805	8/15	To S&A	Reqt shipt of trans set from Wash to Aero Sta. W To S&A Reqts cancellation of above 2-1
244334	8/13	Nav Attache, London	Plan of insulating parts of dirigible to be supplied by Westervelt.W
244367	8/17	To Constr Akron via Pitts	Directs inform Bu when dirigible with radio install is ready for test. Dirigible School (T) dirigible assinged will fly Tuesday 8/27

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[OVER.]

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
237696	7/10	De Forest Co	Radio set for dirigible; asks when test is to be made.W
		about 5 days.7/21	To Goodyear via Pitts—Directs inform Bu when car is ready for flight. 7/11
		Pitts Fwds copy of letter from Inspr Akron rel to test of dirigible fitted with radio counter	Akron inspector will be ready for radio test
237845	7-9	De Forest Co	poise 7/31 Radio transmitters for airplanes; rel to use of two blade switch in lieu of three blade.W
			To Wash—Instructions.7/18
		To—Fwds copy of report of test.11/28	
238634	7/14	Connecticut T & E Co	Light weight radio sets for use on hydroplane, submarine chasers, etc; fwds photograph; request orders.W
		Co request designer be present at test 7/25	To—Directs fwd to Wash for test.7/18
		Co reqt variation in wave lengths and capacity of antenna 7/28	To Wash—7/18
		To Sperry Co—Reqt action taken.8/3	
		To Crocker Wheeler Co—8/4	
238781	7/16	To Pensa T	Ask when report comparative test Marconi, Sperry and Deforest Seaplane radio sets be completed. W
			Pensacola (T) radio set not arrived; test being delayed 7/21
239648	7/19	Splitdorf Elec Co	Asks if current for radio purposes must be both negative and positive waves, in connection with magneto.W
			To—7/21
239634	7/20	To Sperry Co	Reqt expedite delivery to Crocker Wheeler Co of a fan propeller for a wind driven aeroplane generator.W
		To Conn T&A Co—8/2	Connecticut T & E Co request designer
			Sperry Co are expediting work on fans for Crocker, Wheeler Co's radio generators 8/1
239782	7/21	To Pensa	Instrns re test of Rouzet aeroplane transmitter.W
238602			
			Phila 1-12

NB—0120

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AIRPLANES: RADIO 918

Number.	Date.	From or To—	Subject.
239798	7/21	To S&A	Reqt shipt of aeroplane radio set from Wash to Pensa. W
240436	7/25	To Conn Tele & Elec Co To--(T)Test auth.8/7 Pensacola reports on partial test made on transmittingsets submitted by the Connecticut T&E Co 8/14	Directs take airpalen radio trans set to Aero Sta for test. W To Aero Sta--Test auth.7/25 Co (T) request authority to have their radio set tested at Aeronautic Sta 8/7 To Pensa--(T)Auth test of Conn T.&T Co apparatus .8/7
240437	7/25	To Goodrich Rubber Co Goodyear Co reports on status 10/2 Goodyear, Inspr at, 10/2 To Goodyear Inspr--Appvs ests.10/8 Inspr Goodyear reports on test of Koban motor, in connection with aeroplane sets; fwds prints 10/11 Fwd S&A--11/9	Reqt infor re plans for light generator for use with De Forest dirigible radio trans. W To Akron via Pitts--Fwds plans with comment 8/7 RB 10/2 To Supt Constr via Pitts--9/19 Supt Constr Aircraft Akron submits comments on radio for dirigible 9/28 Akron fwds requisition 11/1
241016	7/28	To Aero Sta	Instrns in connection with test of Simon Radio Transmitter. W
241197	7/30	Inspr Akron T 736	States no radio sets for dirigibles on hand.W
240922	7/30	To S&A	Reqt shipt of transmitters, etc., from Wash to 1stDist, for Aviation Detachment. W
241646	8/1	Inspr Akron T accidents	Dirigible with counterpoise badly damaged today; will not be available for at least one week.W

NB—0120

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
234699	6/20	Copely Mfg Co	States Aerothrust Co changed design of engine and request new type number be used on sets mounted with new type engine.W To—Assigns type numbers.6/28	
234807	6/21	To Sperry Co Sperry Co request payment 1-13 Fwd S&A—1/28	Ask what assistance is desired from Bu in connection with test of torpedo plane. W Ord 10/13 To Inspr Ord—10/17	
235485	6-23	Inspr Akron	Rel to addition to dirigible of copper mesh counterpoise in connection with Radio.W	
235619	6-26	De Forest	Asks if desires radio set shipped to Akron or to radio test shop Wash.W	
235651	6/23	Aero Sta	Submits report on the use of ignition devices on internal combustion engines, (magnetos), for use as radio telegraph transmitters on aeroplane, motor car and motor patrol boat radio sets.W (Cross to magnetos) To—Reqt ests.7/12	
235488	6-26	To Nav Intell	Use of magneto as radio transmitter submits breif outline of present status.	652
918	6-27	De Forest Co	Sets for dirigibles; asks if to be delivered Washington and NY	629

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
235885	6/26	Lt R.A.Lavender	Fwds report of test of radio apparatus for dirigibles at Akron with recommendations relative to use of copper mesh counterpoise, etc W Fwd Dept—6/29	
233458	6-13	To C & R	C ounterpoise for dirigibles. Instructions re installation.	736
236217	6-29	De Forest Co	Rel to use of aluminum sheet in place of copper gauze.W To—7/2	
236094	6/30	To C&R	Radio equipment of dirigibles. Re installation of wire mesh, and equipping engine with a governor.W C&R rec Bu take cognizance of small engines used for blower on dirigibles.	
236935	7/5	Pensacola T	HUNTINGTON; request 6 radio sets and voice tube communication sets for aeroplane equipment.W T o—(T) Appvd.7/6	
237040	6/30	De Forest Co Personal	Relative to sample bulbs in dirigible sets.W	
237106	7/6	To Pensa	Manuf of antenna reels. Reqt ests of cost of. W Pensacola quotes price and quantity can deliver.7/12 Pensacola antenna reels for aeroplanes; fwds print 8/14 Pensacola fwds prints of aeroplane antenna reels 10/19	

To Aero Sta via S&A—Appvs ests.8/20
To Aero sta—Appvs drawing.9/17
To—Appvs new design for handle for antenna reel, with comment.9/20

NB—0120

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
232710	6/8	Lt Comdr Robt W Lavender	Reports on trip to Akron, Ohio; reports on suitability of buildings, balloons, aero insulators, etc.W
232859	6/8	Wash	De Forest o/2 kw sustained wave transmitter; fwds report.W
232970	6/9	De Forest Co	Dirigible transmitter on test no weakness developed; now ready to be taken to Akron.W
232843	6/9	To NY	Strain insulator for use in suspension dirigibles. Rect type recommended. W NY fwds print showing strain insulator for use in suspension dirigible sets 7/6
233261	5-28 5-7	SEATTLE USS ~~Atl Flt~~	Reports in detail on airplane radio com-communication.W
233344	6/12	Dirigible School, Akron T	Asks when radio set will arrive.W
233374	6/12	To Inspr Goodyear T	Radio install will be supervised by De Forest. Notify Bu when car ready for install. W Dirigible School - (T) Dirigible car ready for radio installation 6/14 W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
233595	6/14	To S&A	Reqt shipt of instruction sets from Wash to Dirigible school. W	
233960	6/15	C&R	Radio set for dirigibles;fwds prints.W	
233840	6/15	To Sperry Co	Fwds report from Atl Torp re 75 watt aero generator, and requests give matter attention. W Co 6/29	
233841	6/15	To De Forest Co	Fusilage for dirigible now available at Akron. Ask if can test on June 21st. W	
233864	6/14	To Inspr Akron T	Representative of De Forest Co will arrive June 19th to superintend radio install. Directs co-operate with. W	
233887	6/15	To Atl Torp	Aeroplane radio communication.Detailed comments re apparatus. W	
233458	6/13	To C&R	Counterpoises for dirigibles. Instrns re installation. W	736
234243	6-18	Dept	Directs Bu provide seaplanes with radio equipment in connection with test of spiral arial torpedoes.W	

NB—0120

[OVER.]

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
230399	5/26	To Nat'l Elec Sig Co	Fwds copies of schedule 28, specns of radio equipment of aeroplanes.
230763	5/28	To Akron	Availability of dirigible for radio test. Instrns re test. W Insp. Pitts Ask when radio set will be a available in con ection with test on dirigible.W6-6 Pitts test on dirigible radio set at Akron.6/24
230775	5/28	To De Forest Co	Ask when first radio sets for dirigibles will be ready for shipt and test. W
231015	?	Dr. L. W. Austin	Reports on antenna for dirigibles.W
231105	3/30	Dr. L. W. Austin	Fwds report on counterpoise for radio antenna for dirigibles.W
231419	5/31	To Dr. Alexanderson	Submits information re radio aircraft sets. W
29964	5-30 6-2	Century Teleg. Co S&A VOID	Has price for special power machinery.WS
231617	5-23	Sperry Co	Aerial compass repeater; data on.W

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1917

AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.
231578	6/2	----------	Report of conderence, on subject Aircraft Radio, Bu of SE May 30th, 1917. Re future procedure. To Aero Sta--Fwds copy of above.6/2
231636	6/2	To Sperry Co	Aeroplane compass repeater. Fwds to Bu Navgn, with reqt be made standard. W
231921	6/4	Sperry Co T	Promise two sets 6/11 - remodeled sets depend on result of test motor W
232484	6/6	Inspr Buffalo To--Directs return models to De Forest Co.7/27 **Buffalo unable to locate 7/31** To Mass--Directs test De Forest type of dirigible transmitter when received.8/8	Copy of letter to Pigene Frayer Hollow Spar Co; fwds models for dirigible radio installation, contract 804-1/2.W **To--Ask what models were shipt to Pigene Frazer Hollow Spar Co. 7/20** Buff 7/24 To De Forest Co--Buff instructed to return original models. Directs check up. 7/27
232370	6/7	To Pensa	Test of Magneto. Instrns re test of Berkshire Magneto Company's magneto. W **Aero Sta Co will ship magneto for test 6/15**
232579	6-6	Dirigible School	Reqt be supplied with 32 radio blinker sets; for training purposes.W To S&A--Reqt shipt of instrn sets from Wash to Dirigible School.6/12

CARD 14

NB—0120

[OVER.]

AEROPLANES: RADIO

Number.	Date.	From or To—	Subject.
224897	4/26	To GE Co	Reqt test at Navy Aero Sta of "visual" receiving device. W GE Co rec confer with signal corps.5/1 To--5/5
225204	4/27	DeForest Co.	Transmitter panels for dirigibles Radio sets-changes in W To--Cannot order 24 add'l dirigible sets at present. 5/2 De Forest Co gives cost of first design ofradio transmitter 5/3 Fwd S&A--5/8 Fwd S&A--5/31 RB 6/6
227069	5/8	To Crocker Wheeler Co	Reqt test of special 500-cycle aeroplane type generator at Aero Station, recently on test at Signal Corps Laboratory. W Crocker, Wheeler States will ship alternator for test at Pensacola 5/11
227070	5/8	To Curtiss via C&R To De Forest Co--Fwds copy of letter from Curtiss Co.5/26 De Forest Co gives dimensions 5/28	Acknowledges receipt of drawing showing preliminary layout of fusilage for 28' dirigible. Comments on drawing made from same. W Buffalo (T) reports nonreceipt of prints 5/17 To--Fwds drawing.5/17 Inspr. Curtis gives dimensions.5/22
227308	5/9	To Aero Sta	Radio sets for aeroplanes. Instrns re comparative tests to be run. W Aero Sta request instructions relative to testing radio sets 5/24 Fwd Dept--6/2
227585	5/10	To G E Co	Visual detector for use on aeroplanes. Communication received signed vy Mr. Alexanderson.Comments on. W

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AEROPLANES, RADIO. 918

Number.	Date.	From or To—	Subject.
227783	5/5	NY foreign navies	Transmitting bulbs of Amer manf being used in Germany for airplane sets; information obtained from Fritz Dan der Woude, now consulting engineer for Simon.W To Nav Intell--Rec matter be investigated.5/12 Naval Intelligencereports on use of audion bulb on Amer. ship.5/22
227946	5-3	De Forest Co	Batteries for dirigible radio sets; have cancelled order for wooden cases; will use separate steel cases for a and b batter-ies. 882-1
228567	5/16	SEATTLE R	Request shipment of fibre for reels, for aviation antenna.W To S&A--Reqt shipt of fibre and wire from NY to SEATTLE. 5/17
228584	5/16	To Dept	Reqt detail at Naval Station, Pensa, two seaplanes and one pilot for testing of radio apparatus. W RB 5-26 Fwd Dept--5/28
228784	5/17	De Forest Co T	Makes appointment for May 19th, in connection aeroplanes.W
229605	5/21	Natl Elec Signalling Co	Asks if Bureau has issued any special specifications for radio equipment for aeroplanes.W
230429	5/25	De Forest Co	Dirigible radio sets; request reimbursement for oak boxes completed before change made to steel boxes.W

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[OVER.]

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AEROPLANES: RADIO

Number.	Date.	From or To—	Subject.
222959	4/16	To De Forest Co	Reqt models of trans chest, audion battery box, control panel, receiver, etc. be made and shipt to Curtiss Co. W Co fwds drawing of antenna wheel and mounting 4/18
223785	4/18	W. C. Appleton	Radio set for dirigibles DeForest Co. W
223851	4/20	De Forest Co T	Generator for dirigible set; asks where shall be shipped. W
223753	4/19	To De Forest Co T	Directs deliver Wash first dirigible radio set upon completion. Contract will be amended accordingly. W
223830	4/19	To De Forest Co	Directs visit Curtiss Co on Monday to make prelim plans in connection with install of radio sets in dirigibles. W
224202	4/16	DeForest- Radio Co.	Dirigible panel set and submarine chaser sets W
223932	4/20	To Curtiss Co T	Representative Bu and Radio contractor will arrive works Monday, conference installation radio sets dirigibles. W

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AIRPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.	
220195	3-27	Pensacola	Meisner, expert radio aide;will assign to experiment, test and inspection dept; regrets Lt.Loftin cannot give more of his time to radio work at station.W. Fwd New Orl--4/2 RB 4-16 To--Comments on.4/18 RB 4-23 Fwd Aero Sta--4/25	
220722	-3-31	DeForest Co	Fwds sketch of sets for dirigibles and recommends receiver be on top control panel.W. To--Directs redesign and submit sketch.	4/12
220776	4/3	To Aero Sta	Fwds blueprint showing layout of radio apparatus in aeroplanes. W R B 4-21 To E.J.Simon--Thanking for co-operation	4/26
220264	3-28	Telephone DeForest Co	Radio sets dirigibles; re generators and audion control boxes. W	
222240	3-28	Loftin	Relative to experiments carried on with Bosch magneto as radio transmitter.W To Aero Sta--Reqt report be expedited.	6/22
222730	4/13	De Forest Co	Oscillion transmitters for dirigibles; fwds prints.W	

AEROPLANES: RADIO 1917

Number.	Date.	From or To—	Subject.
214845	2-13	Mott, TB	Radio outfit for airplanes; American representatives of the French companies.W
214849	2-3	SEATTLE	Airplanes 46, 49 and 51; radio installations; reports on/W
215103	2/17	To C&R	Rec experiements be held at Wash to determine necessity of insulatoing the guys from hydrogen bag of dirigibles. W
	C&R recommends radio test be carried out at works of contractors; states Goodyear T&R Co have expert who carries out similar tests 3/23	C&R insulation; suggests making experiments with an experimental car being built by Curtis Co, suspended from a building 3/1 CARD 7	
	To Goodyear Tire & R Co--Re test of radio set on balloons.	To C&R--Suggestions satis. 3/3	
215158	2-16	Aero Sya	No antennae reels received with Seaplanes radio sets; asks if station shall manufacture.W.
			To--Aero sta to manuf. 3/7
			To Atl Torp--Reqt sketch showing method of installing antenna reels on seaplanes 46, 49 and 51. 3/7
			Atl Flt Reports trials of antennae reels 4/13
215752	2-23	Copely Mfg Co	Gas proof key for airplane sets and submarines; fwds plans W
	To--Reqt quotations on manuf of one key. 3/22		Fwd New Orl Sup via Comdt--For comment and rec. 2/27RB:3-10
	To--Reqt reply.4/16		Copely Mfg Co will send quotation in few days 4/27
215968	2-24	Mott, TB (Wm.P.Bonbright & Co)	Represent French Company; asks if Bureau in market.W
			To--Not at present owing to stress of work.3/7
	Fwd Nav	Intel--3/16 RB 3-20	Bonbright & Co states sample set was sent Navy dept on steamer Chicago 3/8
			To--Will be pleased to test. 3/16
215827	2/24	To Nav Com	Bu is purchasing 16 radio sets for dirigibles; Nav Com to make arrangements about personnel to operate same.W
			To Supt New Orleans fwds copy of Bu NSA reqn 314, covering 2/24

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AEROPLANES. RADIO. 918

Number.	Date.	From or To—	Subject.	
216143	2-16	New Orleans	Radio set for airplanes; recommends those shipped to station be not definitely assigned to Ariplanes but turned into laboratory for experimental work.W.	
216145	2-16	Officer in Charge Radio for Aircraft;	Recommends student officer aviators be instructed in radio work.W	
216097	2/27	To De Forest Co	Considers adviasable that light of oscillion tubes in 15 dirigibles radio sets now under design be screened as much as possible. W	
216669	2-28	Aero Sta	Gas proof key for airplane set; mfg by Copely Co. Fwds plans and recommends sample be secured for trial.W. Fwd Bost--For comment & Rec. 3/8 RB 3-26	
216674	3-2	Aero Sta	Recommends against assigning radio sets to any particular airplane.W To--Grants auth.4/18	
216786	2-28	Aero Sta	Radio installations for dirigibles; fwds copy of reqn 314; states specns contained in considered complete.W	
217936	3-12	DeForest Co	Asks rotation of engine used for driving generator for dirigible radio sets.W To--Details not yet received. Comments.3/21 Crocker-Wheeler Co copy of letter to Curtis Co relative to rotation of generators for radio outfits 3/26	

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[OVER.]

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AEROPLANES: RADIO

Number.	Date.	From or To—	Subject.
209910	~~12-2~~ ~~12-22~~	~~Aero Sta Phila~~	Asks probable date of shipment Kolstermeter; Phila states 4 ready Dec 23.W To--Have reqted plans and est from Phila for manuf of 6 aero Kolster meters. 1/3
		To Ports--(T)Sperry represent left NY Jan 5. 1/6	
206352		Fwd S&A--1/5 RB 1-9 SEE CARD 4	T To Sperry Co--Gives sailing data on SEATTLE. 1/3 To Ports--(T) 3 Aero radio transmitters for SEATTLE shipt from Wash to Ports. 1/2 To Sperry Co--(T) Will leave Ports Jan 8. 1/4
		Sperry Co representative leaves for Ports to supervise installing of sets on SEATTLE aeros(No date)	SEATTLE radio sets for aeroplanes not received 1/4 OVER
21036 O	1/2	De Forrest Co	Sample aeroplane set; fwds letter from Lt. Loftin; askW that delivery be expedited.W Fwd Wash--1/5 RB 1-15 To--Set returned Jan 8th.1/17
211122	1-9	Ports	Seaplanes on SEATTLE; estimate for installing radio sets.W To--Appvs estimate. 1/12
211173	1-6	Loftin, Lr. Personal	Radio aero sets; reports on development of.W
211230	~~12-28~~	~~Lt Loftin;~~	Radio sets; transmitting experiments; fwds report.W
211464	1/13	To De Forest Co.	Lists specns and reqt infor and approx price of one oscillion type transmitter with associated receiver, for installation in dirigible shown in drawings enclosed. W ~~Co gives description of parts to be manfd 1/19~~ ~~To--Comments on in detail. 2/6~~

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AEROPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
206352		OVER	Sperry Co understand installation on SEATTLE'S aeroplanes completed Jan 8 1/15 To Sperry Co--Acknowledges letter. 1/17 Seattle gives numbers 1/15
205391		SEE CARD 4	Fwd S&A--1/23 To S&A--Reqt shipt order of 11/14 of one low power radio trans set to MILWAUKEE be cancelled. 1/23 To S&A--Reqt shipt reqt of Nov 14th be cancelled, and set shipt to CHICAGO. 4/27
213517	2/5	De Forest Co T	Dirigible set; quotes $1800 per set in lots of 16; $1750 in lots of 20, delivery 60 days.W
214308	2-16	Aero Sta	Special radio report on noise conditions affecting radio reception on airplanes.W To--Reqt 4 copies of special radio report RF 3A 101. 2/16 Pensacola fwds 4 copies special report 2/20
214448	2/14	To Wash Pensa New Orl Supt via Comdt	Revision of specns for radio sets for aeroplanes. Reqt suggestions or rec. W/ Norf 2/21 NY (T) recommends 16 as minimum to obtain full power on long wave Phila will forward reply about March 5 2/27 on gap ~~shortly~~ slightly ~~short~~ 3/1 Pug Sd 2/23 Phila 3/9 To NY--(T)Rec gaps be not less than 12 instead of 16. Reqt rec.3/1 Bost 2/28 Wash 3/1 Aero Sta 3/2 Phila suggestions 4-6 Phila will submit comment 3 or 4 days 3/7

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[OVER.]

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AEROPLANES: RADIO

Number.	Date.	From or To—	Subject.	
205351p	11-10	At Torp Flo	Request data on airplane radio sets.W To--No data at present. 11/24	
205423	11-13	Western Elec Co	Radio apparatus for aeroplanes; request appointment to discuss. W To--Lt. Loftin took up with Mr. Colpitts over 'phone. 11/15	
205391	11/13 S&A reqt To Sperry Co--Gives infor re shipt.1/2 To SEATTLE--Ask ~~ships~~ sets will be install on. 12/27 To--Gives action. 12/15	To S&A return of papers 1/17 seaplanes	Reqt shipt of radio transmitting set from NY to CONN. W To S&A--Reqt shipt of radio transmitting sets from NY to various ships. 11/14 CARD 5	
206352 28	11-23 To S&A--Shipt reqt. 12/15 To Ports--Reqt est covering installation. 12/15 12-4	Operations Wash	CARD 5 Directs aeros on US WASHINGTON be equipped with radio ~~stati~~ sets.W To Sperry Co--12 aero sets will be shipt to Wash after having passed test. 12/15 Reports on test of aeroplane radio set submitted under, with recommendations for award.	706
207679	12/7	To Aero Sta	Phila will manuf six radio direction finders for aeroplanes; directs fwd Phila any data in way of dimensions, space to be occupied, etc, which may be of assistance and submit Bureau copy of same	919
208195	12/7	New Orleans	Personnel for radio for aircraft; request steps be taken to train at least 20 operators.W (Cross to operators) Fwd Navgn--Concurs. 12/13	
208194	12/7	New Orleans	Short wave receiver; request ~~sht~~ that most efficient one on hand be furnished.W To S&A--Reqt shipt of Portable radio receiver from Wash to New Orleans. W 12/13	

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AEROPLANES: RADIO 918

Number.	Date.	From or To—	Subject.	
207183	12/11	To Yards Dir Nav Com and Stations.	Instrns re installation of radio direction finders in Naval Shore Radio Stations. W	RB(Ports)2-17
		To Yards--Reqt reply to letter 12/11. 2/17	Bost fwds plan of proposed installation, Cape Cod 1/10	
See 207183 - 919		To Ports--Alteration Portland, Me., auth. 2/26 RB 3-8	To Bost--Plans and ests appvd. 1/16	
		Entries to be transf to 207183-919	M Is submits estimate for Kolster meter 1/11	
			To M.Is.--Appvs install waver changer and Kolster meter at Pt Arguello. 2/1	
208566	~~11-24~~	~~Washm Tu~~	Aero radio sets; submitted under schedule 28; submits report.W	
208624	12-12	SEATTLE	Aeroplanes; radio sets; for.W	
			To--Gives action on. 12/15	
			Ports (T) no mat recd 1-3	
208758	12-13	NO CAROLINA	Have received no semi monthly reports on rad o for air craft.W	
			To--Pensa has report. Cannot issue to ship as well as yard. 12/18	
209255	12-15	Aero Sta	Fwds report on radio set used on British	
	12-18	New Orleans	Aeros. W	
7	To Aero Sta--Auth manuf of tele. 2/14			
209596	12-21	SEATTLE	Reqt head telephone for aero sets.W	
			To--Ask if desire receiving type only. 1/2	
	To Aero Sta--Reqt comment and rec on requirements. 2/5		Seattle requires combined receiving and re-transmitting sets 1/15	
	Aero Sta have submitted special ports on telephones for aero service 2/8			
209899	12-11	Aero Sta	Request receiving apparatus suitable for use on air craft; Supt recommends light weight receiver be designed.W	
			Fwd New Orl via Comdt--For rec. 1/3	RB 1-11
			To Wash--Reqt yard undertake the design of suitable radio rec appratus for air-craft and manuf one set. 1/12	

NB—0120

[OVER.]

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AEROPLANES: RADIO.

Number.	Date.	From or To—	Subject.
199812	9-6	Geo H Clark	500 cycle generators for; describes those used by Signal Corps and those made by the H-C Co. DAW
200133	9-23	To Sperry Gyroscope Co.	G.H.Clark will visit on Wednesday. W To--Reqt Clark be not detailed not later than Wednesday noon. 9/25
	To Aero Sta--3 Aero radio sets are for experimental use. 2/28		
201156	9-29	Aero Sta	Reports non receipt of transmitters and direction detector.W To Pensa--Due for delivery within next 2 or 3 weeks. Detector will be shipped when finished at Phila. 10/7 Aero Sta asks status of delivery transmitting sets due for delivery latter part of Oct; also reqt copy of contract 75 12/2 To--Complete delivery should be made by end of Dec. 1916. 12/7 Aero Sta asks when sets will be delivered 2/5 To S&A--Reqt shipt of sets from Wash to Aero Sta. 2/14 To--Gives action. 2/14
201423	10/7	To Sperry Co.	Delay in tests of aero radio sets. Will arrange to have Lt. E.H.Loftin present when tests are conducted.W
201819	10-10	Simon, EJ	Asks if Bureau interested in 200 watt oscilating type radio telephone transmitter for aeros.W. To--Lt. E.H.Loftin will call and inspect.10/12
201680	10/10	To Cutting & Washington	Understand are conducting tests receiving radio signals in an aeroplane using special soundproof helmets to deaden the noise. Would like to have representative witness operation.W
201156		ABOVE	Pensacola can make no assignment until type, weight and size are known 2/20 Aero Sta asks number of transmitting sets that will be supplied station 3/2

BELOW

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AEROPLANES: RADIO. 918

Number.	Date.	From or To—	Subject.
202320	10/14	To C&R	Radio air craft. Will purchase 75 radio sets for aeroplanes. Gives features wanted in these sets.
202570	10/14	Cutting & Washington	Head gears for receiving set, aeroplanes. W
203309	10/23	To Radio, Va.	Are installing about 75 radio outfits in air craft. Brought to Dir Nav Communi attention so as to provide for the necessary personnel. W
203398	10/24	To Phila	Rest descriptions and est for manuf of radio direction finders for air craft for night and oversea. W
203703	10-13 10-27	Western Elec Co C&R	Aeroplane radio sets; request authority to test Aero Fan in Wind Tunnel at Washn. W Fwd C&R--Noted. 10/30
204025	10-27 10-30	War Dept S&A	Radio transmitting sets for aeroplanes; fwds report of Capt CC Culver on specns as shown on schedule 28 .W To Col Squier--Acknowldges receipt of notes. 11/4
204370	10-28	Loftin, Lt. EF	Reports on trip in connection developing radio apparatus for aeroplanes.C Fwd Navgn via Dept--11/4 RB 12-15

NB—0120

[OVER.]

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2

Number.	Date.	From or To—	Subject.	
176011	1/12	To Aero	Aeroplace radio equipment; have requested shipment of four aero radio sets to Pensacola for use of the aero service; gives instructions re installation; have requested New Orleans to detail Radio Gunner W.C.Bean to Pensacola to conduct experiments with sets	903
185202	4/14	At Flt	Eyck generator and Dublier transmitter used in making a test of a radio aeroplane; fwds photographs	876
185604	4/11	Aero Sta	Radio for aeroplane experiments and tests	876
185775	4/21	Cutting & Washington	Reqt NY be given permission to listen in while making test of aeroplane transmitting set	903
187375	5/9	Lowenstein, F.	Buzzer set and set for aeroplane	876
187676	5/11	At Flt	Lowenstein to experiment with radio for flying machines	876
187596	5/13	To Comdr Air Service via Dept	Submits data on radio in connection with air craft	876
√189449	5-29	Pensacola	Request radio outfit for aeroplane be transferred from Station to SO CAROLINA.W Fwd Air Service-- Asks what set was transferred: 8/16 RB 9/13	
190139	6-1 6-5	Aero Sts Dept	Reports on test of radio installation on aeroplances.	

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AEROPLANES: RADIO: 918

Number.	Date.	From or To—	Subject.	
191064	6-17	To S&A.	Reqt shipment receiving set from Wash to Aero Sta for experimental work on aeroplanes. W Aero Sta asks if receiver is to cover one requested on shipment request dated Apr 8th 12/4 To Pensa-Will apply on Pensa reqt 13, dated April 8. 12/12	
191911	6-27	Nav Intel	Fwds statement that German Zeppliens are able to navigate by use of radio. F	
192297	6-27 Fwd New Orl--7/31 RB 8/8	Aero Sta	Gives requirements of radio for. W To Air Service Via Dept-Pensacola-New Orleans--Outlines steps taken towards providing for development of radio sets. 7/20 To Dept-Reqt detail of aero at Wash for purpose of making tests on. 7/20 RB 7/27	
193531	7-14	To Aero Sta.	Bu has reqtd shipment of 5 aero radio set for installation on aeroplanes; submit plans and estimates for. W To S&A--Reqt for shipment from Wash. 7/14	
199274	9-14	To H-C Co.	Auth to furnish firms with aero radio generator with reference to supplying such a machine for use with Navy aero apparatus. W	
39	9-13	TO Dept ; (J)	Bids on aeroplanes; recommendations as to award	706
199411	9-15	To Department. War. (Secsig)	Aeroplane radio motor generators; fwds copy letter sent H-C Co auth them to supply motor generators to prive manufs for use in connection with naval radio sets. W	

NB—0120

[OVER.]

Number.	Date.	From or To—	Subject.	
34609	3/6	WEST VIRGINIA	Radio for aeroplanes devised by Chief Elec H. E. Morin and Elec Whitham	876
35488	3/24	WEST VIRGINIA	Reports experiments with radio in connection with aeroplanes	876
54056	11/3	Clark, G. H.	Radio for aeroplanes; suggestions for buzzer signals, etc	876
			1912.	
58334	1/11	To Exp Sta	Aeroplane sending set used in radio experiments; fwds bill from National Elec Supply Co and asks if all items have been received; directs return to Co	898
59130	1/19	To Academy	Radio apparatus for aeroplanes; directs prepare for shipment to Radio Station, Point Loma, San Diego, Cal.	876
66275	4/11	Marconi Co	Radio apparatus; fwds article on experiments with, in connection with aeroplanes, London	876
68360	5/30	M Is	Radio sets for aeroplanes; fwds recommendations of board with print	876
71344	6/13	Exp Sta File 187	Reports on test in connection with developing apparatus for use on aeroplanes	876
74019	7/20	Exp Sta	Test; reports on aeroplane radio tests	903
75454	8/7	Exp Sta 272	Fwds STRINGHAM's report on aeroplane radio tests	903

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AEROPLANES: RADIO.

1914.

Number.	Date.	From or To—	Subject.	
130579	7/22	At Com Co	Quotes prices on balloon and aeroplane radio sets	876
			1915.	
146751	2/8	Office of A ero	Quotes cable from Naval Attache, Paris, relative to the purchasing of Ronzet Aero Wireless System; recommends	876
146962	2/6	Wireless Imp Co	Reqt opportunity to bid on radio sets for aeroplanes	876
147293	1/12	Firth, John	Aeroplane radio sets; fwds pamphlet from concern manufacturing material for French army and navy	876
148210	2/23	Nav Intel	Rozet system of radio for use on aeroplanes	876
149087	2/24	Nav Intel	Radio equipment for aeroplanes; fwds description	876
149693	3/12	Col. F. Firth	Radio sets for aeroplanes; French type; fwds report on satis operation of	876
167767	9/24	Aero	Fwds report from Naval Attache London stating that Zeppelins are guided by means of radio from two widely separated stations in Germany	~~236~~ 898

NB—0120

[OVER.]

AIRPLANES RADIO CONTROL of 1922

Number.	Date.	From or To—	Subject.	
14838-520-	722-22	N S A Anacostia Bu of Eng	Radio Telegraph-~~Radio Research Problem~~ No 97A Radio controlled Airplane.	
14808-553	8/18	N.Yd Boston----Eng	Radio Telegraph- Report on Radio Rsch Problem No. 19-A Radio Controlled Torpedo.	
14889-521	—	—	Radio Control of Aeroplane.	
14880-520	9/11	Eng----Bu Ord	Radio Telegraph- Radio Rsch Prob. 97-A Radio controlled airplane.	
14900-521	9/21	C-in-C Pac Flt	Comdt. Aircraft Sqds. Radio Controlled Sea Plane.	
14879-521	9/23	Aero- Eng	Radio Telegraph- Guiding aircraft with electrically excited cables.	

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Number.	Date.	From or To—	Subject.	

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AIRPLANES: RADIO CONTROL OF. 1920

Number.	Date.	From or To—		Subject.
530826	11/23	Dept		Request pursue investigation of radio control for flying ship. WDA. To Hammond Research Lab. Rqst subm estm of cost 12/2 Hammond Labr- Fwds type of system cov radio control of aircrft. 12/6 WDA. To Hammond Re Lab 12/11 To Operations 12-18 J. H. Hammond Jr. 12/15 W Dept- 1/20-Fwds report of board on aerial torpedo. 1/21 W Fwd Ordnance 1-26
534944	12/15	J.H.Hammond, Jr., (T)		Will be in Washn. 12/20 for test at Anacostia. W. J.H. Hammond Jr. (?)- Rqst conference be postponed until 12/28 12/15 W Hammond Labr. 12/14 W To 12/21 **To Hammond R R Lab 2-12** **Hammond Labr. 2/14 W.**
535521	12/17	C&R		Fwds copy of letter from Curt Co. in conn with A. H. G. Fokker development of plane to be controlled by Wireless. WDA.
13754-199	1/20	Bu Eng - Ord		Radio Telegraph--Radio Contolled Torpedo Request for blue print.
13948-553	4/20	Ord	Eng	Radio Controlled torpedoes--Contract No. 50814.
13969-264	4/30	Ord	Oper	Aerial Torpedo.
13975-553	5/5	N.Yd Boston	Eng	Radio Telegraph- Radio Rsch problem #19 Radio Controlled Torpedo.
14135-520	7/5/21	Ord	Eng	Contract #50814-Hammond Control Torpedo installation at Melville, R.I.
14378-553	11/1/21	Ord	Eng	Cont. No. 50814 Radio controlled torpedo original conception of outside reel for antenna.
14433-553	12/2	Dr Hayes	Ord	Radio Control of Torpedoes.

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AIRPLANES: RADIO CONTROL OF 1922

Number.	Date.	From or To—	Subject.
14670-140	3/23	Ord------N Gun Facty	Radio Telegram- Radio Control of aircraft
14530-521	3/20	Eng---C&R	Radio Telegraph- Radio Control of Aircraft.
14530-521	3/27	Ordnance Eng	Radio Telegraph- Research Problem on Radio Controlled Airplane.
14740-521	4/15	Aircraft Radio Lab to Eng.	Radio Telegraph- Research Problem No. ou-A Radio Controlled Airplane.
14400-553	5/16	Eng-Ordnande	Radio Telegraph- Radio Controlled Torpedo- original conception of outside reel for antenna.
14838-5207	8/22	Eng- N.A.S. Anacostia D. C	Radio Telegraph- Radio Research Problem No. 97-A- Radio Controlled Airplane.
14812-521	7/13	Eng----N.A.S.Anacostia	Radio Research Problem #97-A Radio Controlled Aeroplane.

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[OVER.]

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
607444	FROM CARD 224		S&A- Material shipt 3/14 W. 3/25 Aircrft Facty- 3/29 rubber covered cable not available 3/29 To Aircraft Fac via Phila shipment order 9637 cancelled cc Pensacola- S&A 4/1
615458 other side			
615833	3/7 3/27	Pensacola S&A	Lt. A. M. Darby ask if can purchase radio receiver in obsolete stock. W.
615945	2/13 ?	Guam Aviation	Report covering receiving and sending apparatus on hand. W.
616841	3/7 ?	War Dept JAG	Horton Patent- radio appra for airplanes 896 compensation for use of by Govt. W

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
615458	3/28	To S&A 9956	Reqst shipment of equipments from GE to SO Aircraft Fac W RB 7/12.W
615683	3/30	To CO Anacostia	Research problem 15B Spotting Plane Non-interference radio equipment Reqst same be stricken from list W
615877	3/30	To CO Anacostia	Reqst description and Photographs showing equipment developed under problem be fwded to Bureau W Anacostia- Recommends problem be not reopened. 5/3 W.
616236	3/30	Boston	Subm list of air craft radio equipt in store at Boston in good condition.W.
616321	1/31	Guam.	Subm report on receiving apparatus on hand. W.
616333	2/28 3/31	Guam. Aviation	Subm report on aviation radio material on hand. W Fwds S&A 4/4 W

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[OVER.]

Number.	Date.	From or To—	Subject.
614738	3/17	Aircrft Facty	Fwds model of wave change switch designed and developed at Facty for radio transmitters. W To Aircraft Fac via Phila- Gives Action cc Aeronautics- Comdr Atl-Pacific- CO's Anacostia- Guam- Pensacola- Hamp Rds- Coco-Solo 4/1 To Aircraft Fac via Comdt- Gives Lodn 4/11
602182	fwded from card 219		To Dept Fwds six copies of license W 3/23 RB 4/6 with copies of license. W. To Dr A C Hayes via Annapolis Fwds cc of license 4/13

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
614580	3/23	To Aeronautics	Aviation-material on hand march 1, 1921- W RB 5/27 W.
614788	3/24	To Inspr mat GE	Radio telegraph-aviation- Reconditioning of SE 1345 sets at naval aircraft factory Gives Action taken cc Phila 3/24
614842	3/24	To Annapolis	Development of muffler- Fwds correspondence listed- W
614847	3/24	To S&A 9937	Regst shipment of receivers from Boston to SO Aircraft Factory W RB 8/7 W
614848	3/24	To S&A 9936	Regst shipment of receivers from Washn to SO Aircraft Factory W

Number.	Date.	From or To—	Subject.
613677	3/14	Aviation	Copy of letter to Aircrft Facty submitting list of changes in PT-2 airplanes as regards radio. W.
613722	1/15	Aviation	Subm notes by Cdr. Hunsaker on vibration frequency of wires. W.
613753	3/16	To S&A 9891	Reqst shipment of tubes from Washn to Supt Washn W
613751	3/17	To Boston	Radio aircraft transmitting sets- reqst inform in connection with W

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
614303	3/3	N.J. Melchiors	Request diagrams cov aircraft radio transmitters. W. To CO 1 Div- Fwds pamphlets 3/24
613758	3/18	To Comdt MI- CO Dahlgren- Pacific Fleet- Hamp Rds- Atlantic Fleet	Aviation- apparatus, report on-requested W MI- No aircrft radio material recd. 3/23 W
614 059	3/18	To Pensacola	Fwds instruction booklets on aircraft transmitter for instruction purposes W. To Aircraft Fac Phila via Comdt Fwds instrns booklets 3/18
614551	3/20	Guam	Request early shipt of audio frequency transformers. W. To Guam (T) gives status of shipment 3/21
614 07~~1~~ 3	4/6	To Aircraft Fac Phila via Comdt	Radio Apparatus for instln Airboats- manufacture of authd cc Aeronautics W Phila- Request auth to manuf strut mountings for generator. 4/12 W. Phila- Fwds Duralumin bracket with comments on 4/24 W

TO CARD 239

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[OVER.]

Number.	Date.	From or To—	Subject.
612224	3/8	To Pacific via C-I-C Pacific Fleet - CO Anacostia	aircraft transmitters- failure of ballast tubes and consumption of plate fuses W To Pacific via C-I-C Ask to cancel Bureaus similar instructions let 3/8- 3/10 To CO Anacostia- Reqst investigation and comment on failures by Comdr Air Squad and by the Aircraft lab 3/10 Anacostia- Comments on possible cause of trouble. 3/14 W. Pacf. Fleet- Gives causes for burning ut of plate fuses. 3/24 W
~~TO CARD 235~~			
613032	3/7	Anacostia	SE 1390 air araft transmitter- report on test of. W. To C-I-C Bu Standards- Reqst data be-submitted 3/30 RB 5/4 with data on design of antenna. W. Anacostia 6/16 Report on test of transmitting equipment W
613004	3/8	Amacpstia	Report on voltage regulation of AC tube sets driven by Cutting & Washington and International generators. W. Washington 6/21 W
613125	3/10	Pacf. Fleet Sqd. (T)	Request immediate shipt of audio frequency transformer for receiver. W. To S&A Reqste shipment of transformers from Washn to Pacific Fleet9859 3/11 RB 8/8/22 W

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AIRPLANES 1922

Number.	Date.	From or To—	Subject.
612665	3/10	To Aeronautics	Request for air speed meter for Inspector of Eng mat NY- W 53030-620 Aviation- Copy shipt order cov air speed meter and fire tube from aircrft facty to Inspr Brook. 3/27 W. Aviation- Correction to previous shipt order. 4/19 W.
612918	3/10	To CO Hamp Rds	Reqst status of shipment orders W RB 3/18 W. 3/22 RB 4/7 W. Fwds Hamp Rds
612670	3/11	To S&A 9846	Reqst shipment of equipments from Washn to Hamp Rds W RB 6/2. W.

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AIRPLANES 1922

Number.	Date.	From or To—	Subject.	
611519	2/27	Pacf. Air Sqd. (T)	Request immediate shipt of addtlry radio spares listed. W. To Aeronautics- Reqsts rqn be numbered and fwded to S&A for Action 3/13	
611688	2/28	Aviation	Request furnish aircraft facty radio equipt installed in two VE-7 SF planes. W. To Phila Air Fty-reqt info re date of completion of repairs auth-comments re radio sets for 3/2 W. Phila- Aircrft Facty asks if 3 radio sets will be shipt 3/9 W. Aircrft Fact - Request action.3/29 W. To Aircraft Fac-no modification reqd 4/1 Phila- Ask if modified SE 1345 sets will be shipt to Aircrft Facty. 5/15 W. To Mgr Aircraft Fac via Comdt- rel radio sets 5/19	
610622	fwded from card 226		To S&A Reqst shipment of mat from Brock to Hamp Rds 9811 3/2 Aircrft Facty- Request action towards furnishing radio set. 3/17 W. Fwds S&A 3/30 60 LANGLEY Subm list of material recd. 4/28 W. S&A- Copy action to Phila. 5/4 W. To CO- Rel shipment of material 5/6	

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N.S.E. Form 134.

AIRPLANES 1922

Number.	Date.	From or To—	Subject.	
611612	3/3	To CO 4 Aero Squad- ~~Haiti- CO 1 Aero Squad~~ San Domingo	Reqst monthly report be made of radio material on hand W ~~Haiti- Monthly report. 4/18 W.~~	
611735	3/3	To CO Anacostia	Reqst description of alterations necy to single tuning receiving circuit- W Anacostia- 3/6 W.	
603861	FROM CARD 222		S&A- Request action. 3/4 W. ~~To S&A- Gives Action taken 3/10~~	

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[OVER.]

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
603993	FROM CARD 227		To Anacostia- Fwds report on Aircraft Radio Equipment 4/22 W Atl. Air Sqd. Fwds reports from various vessels. 4/21 W. Anacostia- 4/25- recommendations W. Pearl Harbor- Subm comments. 4/11 W. Anacostia 4/30 W. Quantico- 5/4 W. To Pacific Fleet via C-I-C Fwds listed remarks and suggestions 5/4 Atl Air Sqn 5/11 W Atl Air Sqn 5/12 W Pearl Harbor 5/4 W. To S&A-- Reqst disposition made of radio transmitter W 5/26 Quantico- 6/1 W Anacostia 5/31 W. Scouting Sqd. 1- 6/8 W. Pac Fleet 6/12 W Pearl Harbor 6/3 W Atl. Air Sqd. 6/11 W. Quantico- 6/30 W. Anacostia- 6/30 W Atl. Air Sqd. #1- 6/3 W To Mgr Aircraft Fac Phila via Comdts- Gives extracts from report from Atl Fleet W 7/28 Quantico- Lists apprs recd during July. 7/31 W Anacostia. 8/1 W CO SANDPIPER 7/31 W Aircrft Facty- 8/10 W. Pearl Harbor- 8/4 W Pearl Harbor 8/4 W Pacf. Fleet- 8/14 W Pacf. Fleet- 9/18 W. To Atl Fleet- gives instrns 9/30 Pearl Harbor 9/12 W Anacostia- 10/2 W Quantico 9/30 W Atl. Fleet Batlshp Force 10/4 W. Pacf. Fleet 10/9 W. Pacf. Fleet- 10/9- (2 letters) W To Squad 2 via C-I-C Pac. Fleet- Battle Fleet- gives inform rel addnl transmitters 10/21 F.H. 10/1 W

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Number.	Date.	From or To—	Subject.
603993	FROM OVER		CQuantico- Monthly report. 10/31 W Atlantic Scouting Fleet.11/4 W Pac Fleet 11/4 two reports W PH 11/2 Report on aviation radio apparatus W To C San Diego- 11/24 Anacostia 12/1 W San Dieog 12/2 W Pac Fleet 12/1 W Scouting Fleet 12/7 W Quantico 12/8 W Pac Fleet 12/5 W Pac Fleet 12/11 W P. H. 12/5 W To CC San Diego- gives inform rel tubes cc Aero. 12/22

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
610710	2/17	Anacstoa	Problem 73- B- investigation of Scott Claraphone - recommends be installed. W. To CO Anacostia- Reqst problem 73-B be stricken from list 3/31
610785	2/10 2/15	Pacf. Air Sqd. Pacf. Fleet RB 3/4 - W.	Modification of SE 1345 transmitter receivers - fwds photos and drawings with recommendations in detail. Fwd Anacostia-modification of transmitter receivers-reqt info re intensity of spark, etc-2;28W To Air Squad-Pac Flt-Bureau pleased with radio experiments, etc-reserves comment on alterations until more experience is gained-3;1-W To Pacific Fleet via C-1-Pacific Fleet- Gives description by Anacostia of the changes involved 3/9
603993	FROM CARD	221	Pearl Hrbor- Subm comments 2/9 W Anacostia- Fwds monthly report 2/28 W Quantico- Fwds monthly report. 2/28 W S&A- Copy action to Ham. Rds. 3/3 W Scouting Sqdr. #1- Report on aricraft radio material. 2/28 W Pearl Harbor- Report all radio apprs on air craft 3/1 W To Anacostia Quotes few remarks from Comdt Pacific Fleet for inform and comment 3/16 Pacf Fleet- Monthly reprt from air sqdrn. 3/16, W Anacostia- 3/2 O W. CO BENHAM Lists radio apprs recd. 2/28 W. Anacostia- Monthly report. W. S&A- Copy action to Ham. Rds. 4/3 W. Torpedo plant Sqd. 1- Report on radio apprs. 3/31 W To Squad No-1- Gives instrns 4/5 To CO Anacostia- Gives remarks from Monthly Report 4/5 Marine Corps, Quantico- Report on aviation radio 3/31 W. Pacf/Fleet- Fwds monthly report 4/10 W. Atl. Air Sqd. Monthly report. 4/16 W.

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
591975	FROM CARD 214		S&A- Copy action to Navy Sup Depot. 2/25 W	
603678	FROM CARD 220 (see card 220)		To Aviation- 2/24- RB 2/28 stating allotment will be made to Washn. cov manufg of radio material. W. Coginzance. To Washn- manufacture of listed apparatus approved 3/28	

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
8 567771	FROM CARD 204		Phila- Lists shortages. 2/13 W To Inspr GE-lists shortages-reqt be supplied-2;21-W Inspr GE- No shortages noticed when sets were shipt. 4/20/22. W. To Aircraft Fac via Comdt Phila- rel leads gives Inform cc Inspr GE Aircrft Facty- Copy of letter to Inspr GE submitting list of shortages on shipt of transmitters. 8/21 W Inspr GE- ? W. To Inspr GE- Reqsts report showing the result of examination 9/28 X5068 -829 Inspr GE- Request action in conn with CG 1144 tubes. 10/5 W To Inspr Schenectady- Satis to have GE Co replace without charge tubes desired 10/14 WS Inspr GE- 19 damaged tubes will be retd to aircrft facty. W.
609010	2/13	To S&A 9700	Reqst shipment of equipment from Hamp Roads to Pensacola W RB 5/15 W
609982	2/14	GE Co.	Fwds instrns book for SE 1390 - aircrft transmitting equipt. W

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Number.	Date.	From or To—	Subject.
609632	2/17	To CO Anacostia	Transmitter-Fwds photographs and prings which were submitted by GE Co- W Anacostia- Fwds sketches and photos.2/21 W
609955	2/18	To Bu Aeronautics	Radio Telegraph- Propreitary Requisition on Westinghouse Elec. & Mfg Co W
611712 card 228			
2 610662	2/9 2/20	Ham Rds. Air Sta. Aviation	Request radio apparatus be furn for Langley W
card 228		RB 5/4-22 W-------To Phila-#9789-shipment of radio matl to Ham Rds-2;25-W To Washn-#9788-shipment of tubes to Ham Rds-2;25-W To Langly Ava Det-Ham Rds-2;28-W To Ham Rds-#9790-shipment of amplifiers to Air Det-2;25-W To S&A Regst shipment of mat from Phila to Hamp Rds 9812 3/2	
610661	2/2	Pearl Harbor	Fwds communication report month ending 1/31. W.
610660	2/20	Aviation	Request detector tubes be furn Bureau of Mines for further helium test. W. To Aeronautics-not available at present-makes proposition-ask if acceptable-2;25-W Aviation 3/17-Plans satisf. 3/17 W To Aircraft Fac Phila via Comdt no provision for suitable batteries can be made until result of alteration is determined 4/6

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
601394		FROM CARD 219	Phila. 2/8 W. To Phila-instrns-2;24-W Phila- Copy of action to Aircrft Facty 4/13 W. Phila- Subm estimates. 4/25 W. Aircrft Facty- Subm bid cov compass coils. 4/25 W. Phila- Radio compass coil- fwds prints. 5/11 W To Phila- Reqsts report cc Aircraft Factory 5/19 To Aeronautics- Reqsts action taken 6/28 Aviation- Copy action to Aircrft Facty. 7/20 W Phila- recommendations cov changes in compass coil 7/22 W To mgr Phila via Comdt change disappvd 8/2 Aircrft Facty- Ask if coil should be wound with Litzendradt wire. 8/9 W To Mangr Aircrft Facty via Phila- No. 18 wire to be used 8/31 W	
608336	2/9	To Phila via Comdt	Preparation of radio installations for airplanes- Gives Action taken rel shipment of material W To S&A Rqsts shipmt of Radio Telegraph from Phila to Hamp Rds 9742 2/18 W RB 8/23 W To S&A Rqsts shipmt of Radio Telegraph from Phila To Reid 9740 2/18 W	
To 248		To SO Washn-No.9744-shipment of radio telegraph matl to Ham Rds- RB 3/30/22. W. 2;18-W To SO Washn-9741-radio matl to Marine Corp-Reid-Va-2;18-W RB 3/9 W		
609184	1/30 2/4	Pacf.Air Sqd. Pacf.Fleet	Fwds radio memos rel to correct practice in handling of problems of aircrft radio material. W. To Pacific Fleet- 2/14	

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AIRPLANES RADIO L(" 1922

Number.	Date.	From or To—	Subject.
609212	2/7	Pensacola	Type B batteries for use on aircrft receiving sets- request regular monthly supply of 50 be established. W. To S&A-comments-2;20-W
609660	2/10 2/13	Aircrft Facty Phila.	Storage batteries for aircraft radio receiving equipt - request instrns rel to securing. W. Fwd Anacostia 2/17 RB 2/23 W Fwd Washn-2;25-W RB 3/11 W
609659	2/10 2/13	Aircrft Facty Phila.	Recommendations cov modifications of SE 1370 transmitters. W. Anacostia 2/17 W. To Phila-auth alterns-2;25-W
609957	2/17	To S&A 9735	Reqst shipment of Amplifiers from Hamp Roads to SO Washn W RB 3/21/22. W. To S&A Reqst shipment of material from Hamp roads to SO Norf 9736 2/17 RB 3/27/22. W.

Number.	Date.	From or To—	Subject.	
607294	1/9	GE Co.	Subm photos of SE 1390 aircrft for use in compiling instruction book. W.	
607444	2/2	To S&A 9637	Reqst shipmt of mat from Phila to Pensacola W RB 5/15 W Aicrfaft Factory 2/9 W To Phila via Comdt- Gives inform rel instln of material 2/13 S&A- Copy action to Phila. 3/9 W.	
CARD 232				
606541	2/1	To CO Anacostia	Compass for small planes- Rqst design of be completed and plans and estimates be submitted W	919
607962	1/28	Pacf. Air Dqd/	Ask when spare radio sets for DH-4 planes may be expected. W. To Pacific Fleet- Gives detld inform 2/15	
607261	2/3	To S&A	Sale of Radio Aircraft Transmitters- Gives inform W	

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
607254	2/4	To Inspr mat GE	Aircraft Equipment Reqst GE Co prepare description of apparatus including full particulars as to care and operation and fwded same to Bureau W Insor GE- Fwds copy of preliminary instrn book for ~~Navy~~ aircrft transmitter. 2/17 W
585657	FROM CARD 211		Anacostia 2/6 W.
608064	2/7	To S&A 9660	Reqst shipment of mat from Hamp Rds to Pensacola W RB 5/15. W.

AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
606243	1/23	Anacostia	SE 1345 aircrft receiver -modification of single circuit feature - fwds tracer. W. To Washn- Gives the trip 2/2 Washn. Subm estimates. 2/21 W To Washn-auth mfg-3:21 Washn- Job order issue cov capacity condenser- 3/10 W. To S&A Reqst shipment of Condensers from Washn to SC San Diego 9860 3/13 RB 4/8/22. W To Air Squads Pacific- V B C I C Pacific Fleet- Fwds diagrams 4/18 To Washn Fwds correspondence 4/19
605727	RB 5/23, 1/24	with prints andestimates To Aircraft Fac via Comdt	Estimate on cost of alterations on oscillation transformer aircraft radio transmitter W Phila- Fwds photos with stimate. 1/30 W Fwd Aeronautics 2/8 RB 4/1 W Aviation- Copy action to Aircrft Facty. 2/21 W Phila. 2/24 W Fwd S&A cc Aeronautics 3/3 To Phila via Comdt Reqst estimate be submitted cc S&A 3/3 Phila- Subm estimates cov alteraions. 3/9 W.
606639	1/25	Anacostia	Report on test of 550 Watt DesLauriers self regulating fan. W. To aAnacostia- Recommendations approved 2/1
606800	1/27	Aviation	Radio instln on ST seaplanes- fwds prints showing space provided for. W. Fwd Aeronautics 2/2
14530-521	1/28	Eng- Anacostia, D.C.	Radio Telegraph- Radio Contolled Airplane- Assignment of Radio Prod.

AIRPLANE RADIO

1922

Number.	Date.	From or To—	Subject.	
606194	1/27	To S&A 9606	Req:t shipmt of transformers from Washn to CO Guam W RB 6/9/22.W	
607130	1/27	Aircrft Factory	Ask if Bureau wishes addtl sets of emergency transmitter equipt for F-5 boats to be manfd at Aircrft Facty. W. To Phila via Comdt Gives inform 2/4 Phila- Subm estimates. 2/20 W. Phila- Request action. 3/17 W. Phila- Request action. 3/27 W. To Aircraft fac via Comdt- Ack receipt of estimates 4/13	
607129	1/27	Aircrft Facty	Modifications of securing bolt in antenna-reel handles- recommendations cov. W. To Phila via Comdt modification disapprvd 2/4	
598655	1/27	Ham. Rds.	Fwds prints of AC tube set being experimented with. W 876	
607276	1/5	Coco Solo	Monthly report of operations. W.	

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[OVER.]

Number.	Date.	From or To—	Subject.
605357	1/19	C. H. Payne	Request inform rel to wireless telephone and telegraph sets for use in aircrft- ask if can purchase. W. To- Gives Detld inform 1/19/22 Fwd S&A 1/23
603861 TO CARD	1/20 223	To O-I-C Brook	Reqst be informed as to disposition made of material W Nav. Sup Depot- Lists material beld in store. 1/27 W. S&A- Fwds report from Navy Sup Depot listing radio material. 1/31 W. To S&A Reqst shipmt of mat from Brook to Phila 9643. 2/2
604266 card 224			
603865	1/19	To S&A 9506	Reqst shipment of mat from Washn to Anacostia W RB 2/2 W.
605745	1/21	Aviation	Copy of letter to Detroit rel to pigeon boxes to be furnished for S-T- 1 and 2 planes. W
605731	1/27	To Washington	Reqst estimate of cost and time necy for manufacture of condensers le fwded W Washn- Ask if Bureau can furn unit. 3/10 W.

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Number.	Date.	From or To—	Subject.	
603862	1/21	To Dir of Comms	Development of radio for Aircraft kite antenna Gives inform rel W	
605579	1/21	To Mgr Aircraft Fac Phila via Comdt	Condition of SE 1345 aircraft radio set report on Reqst report be expedited W Phila- fwds report from aircrft facty of parts missing. 2/1 W Fwd Insp Mat GE cc Phila 3/3 Inspr GE- Fwds contractors quotations. 3/15 W.	
592956		fwded from card 214	Fwds Anacostia Landing field Indicator Audio Frequency system W 1/23 RB 1/27 W.	

Number.	Date.	From or To—	Subject.
604266	1/11	Anacostia	Design problem 35- direction finder equipt for small planes- report of test on. W. Anacostia- Fwds photos. 1/13 W. To CO Anacostia- Reqst Inform 2/2
604261	1/12	Aircrft Facty	Request 20 radio compas be furn for instln on F-5 boats. W. To Mgr Aircraft Fac Phila via Comdt- Gives Action 1/18 To Phila via Comdt Gives Inform 1/28
604260	1/10	Aircrft Facty	Change of material for spring line over radio cock pit on F-5 seaplane- recommendations. W. Anacostia - Fwds photos. 1/13 W
604448	1/11	Aircrft Facty	~~Helmets for radio and inter-communication~~- on 11 types of planes and boats- rel to use of ear caps and cups. W. To Phila via Comdt- Disapprvd 2/10
604442	1/12	Aircrft Facty	Ask if Bureau desires to install standard DH-4-B instln on planes which will be sent to Pensacola. W. To Phila viaComdt Grants authority 1/21
14530-521	1/17-22	Eng Ord	Radio Telegraph- Radio Control of Aircraft.

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Number.	Date.	From or To—	Subject.
603993	1/14	To CO's- Stations listed	Monthly report of aircraft radio material Gives Instrns rel 1/14/22 Anacostia 1/31-monthly report for January. W Ham. Rds- Monthly report for January 1/30 W Quantico 2/1 W Atl. Air Sqd. 1/21- Monthly report. W. To Atl Fleet- Gives Inform 2/11 Gives Instrns 2/11 S&A- Copy action to Inspr Mass. 2/14 W Pacf. Fleet- 2/11 Monthly reprt on avaiation aircrft material. W
CARD 227			
605006	1/13	Anacostia	SE 1345 radio generator installed on DH-4-plane- report cov failure of. W. To Pacific Fleet Gives detld inform 1/20
605268	1/4	Pearl Harbor	Aircrft submarine radio communication reports-fwds. W.
597678	1/17	Exp Sta	Subm progress report on aircrft engine muffler. W 736-76
605402	1/19	Aviation	Copy of letter to Quantico directing establish signals for dispatch and operation of planes en route. W.

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[OVER.]

Number.	Date.	From or To—	Subject.
603306	1/7	To S&A 9486	Reqst shipmt of material from SO Washn to Hamp Rds W RB 3/20/22 .W To S&A Reqst shipmt of material from Phila to Hamp Rds 9485 1/7/22 RB 2/9 W
602605		fwdedfrom card 219	To S&A Reqst shipmt of material from Hampton Roads to CO Hamp Rds9456 1/7/22 W S&A 4/17 W. To S&A Rqsts shipmt of Telegraph from Hamp Rds to Washn 4/22 W 125 Fwds S&A 4/24
603862	see card 222		

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1922

Number.	Date.	From or To—	Subject.	
603883	1/10	Pacf. Air Sqd. (T)	Request supply spare springs for radio sets- also spare fans. W.	
			To Pacific Fleet (T) no springs available	1/12
604072	1/10	Aircrft Facty	Fwds photos showing modification of present standard F-5 radio instln. W.	
			To Aircraft Fac Phila via Comdt grants authority 1/20	
			Phila- Generator bracket- fwds prints with comments on. 3/9 W.	
			To Phila via Comdt- Change appvd 3/22	
			Phila- Subm estimates. 3/30 W	
604093	1/9	Atl. Air Sqd.	Relocation of radio generators on F-5 air boats - recommendations cov. W.	
			To Atlantic Fleet- Reqst Detd Inform 1/14	
			Atl. Air sqd- Fwds photos of instln with comments on 3/3 W.	
			To Aeronautics- Gives Action 3/16	
			Aviation- Copy action to Stations. 3/25/22. W	
603678	1/11	To Washington	Manufacture of spare material- Reqst preparation of estimates be expedited. W	
			To Washn- Reqst Inform 2/8	
CARD 227			Washn- Subm estimates. 2/16 W	
			To Aeronatuics-chargeable to Aeronautics- ask proper charge against appropriation-2:24-W	
			See RB on card 227	
603936	1/11	To S&A 9518	Reqst shipmt of material from Anacostia to San Diego W RB 5/15 W.	

Number.	Date.	From or To—	Subject.	
601225	12/6	Coco Solo	Fwds monthly report of operations. W.	
601394	12/10	Aircrft Facty	Request 20 radio compass be shipt for instln on F-5 plane. W.	
CARD 225			To Phila rel shipment of compass 12/28 cc Aircraft Fac	
			To Phila via Comdt- Reqst bid be submitted 2/1	
			To Phila- Reqst specens be furnished cc Phila 2/1	
601758	12/22	Anacostia	Subm list of material nec to effect modifications of SE 1345 radio equipts. W.	
601890	12/19	Atl. Sub.	Fwds report of Div. 10 relative to communication between O-11 and H3 seaplane 1416- W.	
601963	12/28	To CO Anacostia	Reqsts work in connection with Design Problem #161-A be extended to cover listed desirable features W	
602352	12/28	Anacostia	Fluctuations in wave length of tube transmitters detailed comments on cov theory causes and experiments. W.	
			Anacostia 5/11 Request in detail. W	

AIRPLANES 1921

Number.	Date.	From or To—	Subject.	
602414	12/27	Aircrft Facty	Fwds various prints. W	
589625	11/9	Fwd Anacostia	RB 12/29 with comments rel to operation of motor generator for tube set at Lakehurst.	898
602178	12/29	To S&A 9417	Reqst shipmt of material from Phila to Quantico W RB 1/28 W	
		1922		
602605	12/30 12/30	Atl.Air Force Aviation	Request auth to instal radio apprs on 4 torpedo planes. W. Aviation- Copy letter to Atl.Air Force approving instln of radio transmitter and receiver on type PT airplanes. W. 12/30	
card 220			To S&A Reqst shipmt of mat from Hamp Roads to Atl Fleet 9456 1/4/22 RB 3/20/22 W	
602441	12/31	To S&A 9427	Reqst shipment of material from Phila to Hamp Roads W RB 1/19 W	
602182	1/6/22	To Harvey C Hayes via Annapolis	Fwds specens and photostat of plans Patent Application Covering "Methods of and Apparatus for Determing the Direction of Wave Energy W To S&A Gives Instrns 1/19 To Commission of patents Fwds application papers with plans 1/19/22	
card 231			To C Hayes via annapolis fwds instrument 2/17 Exp sta-fwds license signed by dr. Hayes 3/17 W	

AIRPLANES RADIO 1921

Number.	Date.	From or To—	Subject.	
599440	12/6	Pensacola (T)	Request make shipt of Aircrft antenna wire. W. To Pensacola (T) will ship first Government convey ance W 12/8	
598766	12/9	To Anacostia	Special allotment to cover apparatus used on Radio Research Problem cc Washn WK	
599405	12/9	To Air Squads PacificFleet (T)	Insured parcel post Addressed Lt Thomas L Sprague containing two one two naught watt fans unclaimed San Diego Cal Postoffice make arrangements claim W Des Lauriers Co.-Rcst notice from Post master San Diego that package has been called for 12/8 W. 465	
599973	12/9	Anacostia	Report on test of DesLauries 550 Watt self regulating fan. W.	
600186	12/6 12/13	Pensacola S&A 897-1	Request disposition of portable field radio sets. W. Fwd S&A 12/17	

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AIRPLANES RADIO 1921

Number.	Date.	From or To—	Subject.	
600567	12/15	Aviation	Copy of letter to McCook Field directing radio apparatus for MB-3 planes be separately boxed and shipt with airplanes. W.	
600592	12/15	Aircrft Facty	Fwds drawings showing radio instln on F-5 boats. W. To Phila via Comdt Plan appvd 12/23 Aircrft Facty- Request approve drawing. 12/27 W	
600628	12/1 12/15	Aircrft Facty Aviation	Recommendtions cov change in location of radio generator on F-5 planes. W. Fwd Anacostia 12/21 RB 12/24 W Fwd Aeronautics 12/30 RB 4/10/22 from Atl. Air Sqdrn with detailed comments on wr Fwds Aircraft Fac via CO Anacostia- Phila 4/14 RB 5/5 W.	
601086	12/19	Aviation	Copy of letter to Inspr Dayton authorizing relocate radio instln on WA WS WD airplanes. W	
601195	12/5 12/13	Pacf. Air Sqd. Pacf. Fleet	Subm preliminary report rel to SE 1345 radio transmitter receiver. W. Anacostia 12/22 Comments on. W. To C-1-C Pacific Fleet- Gives Inform 1/6/22 W	

Number.	Date.	From or To—	Subject.
598352	12/2	To Inspr mat GE (T)	Three microphone plugs do not fit recptacle check future shipments W
568623	FROM CARD	204	Atl.Air Force 12/2-Fwds monthly reports. Atl. Fleet- Quarterly report. 12/5 W. To S&A Reqst shipmt of mat from Atl Fleet to SO Phila 9346 12/10 RB 11/6 W Pacf.Air Force- 12/9 W. Pacf.Fleet- Fwds report. 12/22 (3) W. Pacf.Air Sqd- Report on aircraft radio material. 12/31 W Atl. Battleship Force- Monthly report 1/4 W Pacf.Fleet- 1/10 W. Pacf.Fleet- (T) Ask if monthly report takes placed of weekly report 1/16 W. To C-i-C Pacific Fleet (T) Ies 1/17/22 To Pacific Fleet Reqst report 1/31 Pacf.Air Sqd. 2/7- Fwds copies of reports. 2/7W
592956		fwded from card 214	To Director, Bu of Standards Reqsts further reports be furnished 12/7 W Bur Stand- Fwds report on experiments to determine effectiveness of shielding in eliminating ignition disturbances. 12/19 W

AIRPLANES 1921

Number.	Date.	From or To—	Subject.	
598356	12/7	To Aircraft Factory Phila- Comdr Air Squads Atl Fleet Stations listed-	Radio compass -Improvements on- Grants authy to incorporate changes on all present and subsequent radio compass installation W Atl.Air Sqd. Report on improvements made.	5/9/22 W
599381	12/7	Pacf. Air Sqd. (T)	SE- 1345- aircrft radio transmitter failed due to blown fuse and loosening of screws holding tube plants; rqst fuses be furn. W To Air Squads Pacific Fleet (T) rel fuses and lamps mailing of 12/9	
598767 5 TO CARD 245	12/8	To Bu of Standards	radio Research Problems Reqst for reports on- W Bur Stand- Fwds report on Norkrum teletype. 12/27 W. Bur Stand- Fwds report on problem 73-B. 2/15 W	
599609	12;8	Aviation	Ask type and dimensions of radio equipment for fleet airship No.1.W	
599662	11/29	McCook Field	Fwds report on remodeled radio receiving set.W	
598477	12/8	To Inspr Mat NY	Fwds report with instrns WS	629

Number.	Date.	From or To—	Subject.
597162	11/7	Pearl Harbor	Report on communications between aircrft and submarines month ending 10/31 W.
597161	11/19	Pacf·Destry	Copy Request 35 complete radio sets be furn for destroyers. W.
597 327	11/22	Anacostia	Recommendations cov modifications to emergency equipt radio telegraph on F-5 boats. W.
	To Aircraft Fac via Comdt 12/15		To Aircraft Fac via Comdt Phila-Grants authy to make changes neccy 11/29 Phila-12;8-W
597380	11/23	Aviation	Copy of letter to Aircrft Facty directing make no radio instln on DH-4-B ambulance airplane.W
597101	11/26	To B J Smith Aeromarine Airways Inc	no surplus of any apparatus used in equipment which could be sold to civilian concerns Aeromarine Railways- 12/17 W
597810	11/28	Aviation	Copy of letter to Isspr Dayton requesting contractors make up samples of radio material required for WA airplanes. W.

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Number.	Date.	From or To—	Subject.
597750	11/28	A Crossley	Fwds report on inspection of automatically controlled airplanes at Dahlgren- W. To Orpn Fwds Comment 11/30
		CANCELLED See C 14450- 521- W	
597889	11/23	Post Off. Dept	Ask where aircrft radio spare parts boxes recd from Reno, Nevada, may be shipt in order to obtain credit. W. To— rel shipment of material 12/2
598336	12/1	Pacf. Air Sqd. (T)	Recommends angle of steel stop pin on generator of radio set be modified. W. To Air Squads Pacific Fleet 12/2
598317	11/23	Anacostia	Report on test of coil antenna transmitter installed by Signal Corps on barge loaned by Station. W.
598452	12/6/21	Magnavox Co.	Subm quotation on Magnavox anti-noise aircraft micraphones. W.
14402-521	12/1	Eng- Bu Aero	Radio Telegraph- Aviation- Class F Airplanes, radio for General information.

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[OVER.]

Number.	Date.	From or To—	Subject.
582715		SEE CARD 210	To Aircraft Fac Phila via Comdt emergency transmitting equipment propellers for Grants Authority for removal from stock of 11/12 W Aircrft Facty- Ask if allotments should be requested. 11/17 W. Aircrft Facty- Rqst auth to remove hub pullers. 12/1 W. Fwd Aeronautics 12/3 To Aircraft Fac Phila-- Grants Authority 12/6 Aircrft Facty- Request inform as to proper appropriations chrgeable- 1/5 W Fwd Aeronautics 1/13/22
43 543034		SEE CARD 194	To Carlton D Palmer via CO Hamp Rds Patent Application covering improvements in "Means for Creating Emergency power for Airplane Radio Generator System" Fwds cc Claim W Ham.Rds- Fwds patent application cov improvements in means for creating emergency power for airplane radio generator system, by Lt.C.D.Palmer. 11/17 C-D. To the Commissioner of patents Fwds application 11/29 To Lt Carlton D Palmer via Co Hamp Rds Fwds Plan 11/30 To S&A- Gives instrns rel check 12/1 To Carlton D Palmer via CO Hamp Rds Fwds instrument coveying interest in and to improvements in Means for Creating Emergency Power for Airplane Radio Generator system 12/13 RB 1/12 W To Dept- Fwds copies of license 1/19 To S&A- Gives Inform 1/25 To C D Palmer via CO Hamp Rds- Fwds cc license 2/17 To C D Palmer via CO - Fwds cc amendment 2/13/23 To S&A - fwds invoice 4/5/24

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Number.	Date.	From or To—	Subject.	
595285	11/12	To Quantico	Radio material Reqst report of W Quantico-11/21 W. Quantico- 12/1 W	
595942	11/15	A Crossly (T)	Inclement weather caused delay of one day in kite balloon experiments. W.	
596115	11/5	Aviation	Copy of letter to Aircrft Facty authorizing construct type TG ariplanes fwding specifications. W.	
54122	11/14	Insp GE	Reqt instrm booklet cov radio sets also specns cov meter. SW	629
596370	11/5	Coco Solo	Subm monthly report on operations month ending 10/31 W.	
596457	11/18	Aviation	Copy of letter to Naval Aircrft Facty stating TS airplanes do not require electric wiring or radio. W.	
596653	10/18	Guam	Carried on successfully communications at short ranges between F-5 board and newly installed ground set. W. Guam -Weekly report. 10/18 W.	

Number.	Date.	From or To—	Subject.
592711	10/25	War Dept	Fwds report on apparatus for radio control of dynamic boats developed by Radio Dynamic Radio Torpedo Unit. , W.
591975	10/26	To Atl Fleet	Emergency equipment supplying of- "eqst inform rel material needed W
	To S&A Reqst shipmt of equipment from Phila to ~~Lge-Atl~~ Atl Fleet 9575 1/25		Atl Air Force- Request apprs listed be furn. 11/7 W
CARD 227			To S&A Reqst shipmt of equipment from Phila to Atl Fleet 9217 11/18 RB 3/30/24. W. Aircrft Facty 1/19 W
592729	10/26	Anacostia	Type CW vacuum tube manufd by Western Elec. Co. Report of test of. W.
			Anacostia- Request authorize replacement of transmitting tube . 3/17 W.
			To S&A Reqst shipment of transmitting Tube from Washn to SC Anacostia 9961 3/28 RB 8/1/22. W
592751	10/12 10/25	Indian Head Aviation	Request magnavox anti-noise transmitter for hydrophone on plabe, be furn. W
			To S&A Reqst shipmt of apparatus from Phila to Dahlgren 9082 10/29
592378	10/28	To Pensacola	Reqst for report on airboats- Gives inform W Pensacola- 11/28 W
592957	10/25	DesLauriers Co.	Representative will be in Washn. about 10/31 to discuss their special propellers. W.
			To- Gives Action 10/29
592956	10/26	Anacostia	Request reports be obtained from Bureau standards cov Dr. Kolster's work on audio frequency landing systems. W.
	To Dir Bu Standards- Reqst copy of reports 11/10		
	To CO Anacost Fwds report 12/7 RB 12/12 W	217 card	Bur Stand-fwds copy report on localized signaling system for airplane landing 11/22 W

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Number.	Date.	From or To—	Subject.	
592669	10/29	To aircraft Fac via Aeronautics- Phila	Change in method of Antenna Transfer in Standar installation of Radion Airboats W	
592985	10/29	To Co Anacostia	Permission to visit Radio Lab- E.A.Hegan Aircraft Facty.- Copy action to Aviation	W W.11/28
593818	11/1	Anacostia	Affect on radio communications on change in position of magneto switch in VE-7 plane using Hispano motor - report covering W. Fwd Aeronautics 12/1 RB 1/3/22 W	
593768	10/17	Nav Intel	German Admiralty reqt infor rel to radio compass and manner of install on airplanes. F	652
594905	11/1	Mare Isl.	Copy of letter to Aviation requesting allotment be made cov receiving equipt for vessels of Pacf. Fleet for month of November. W	
594488	11/8	To S&A	Transportation request aviation radio material Gives inform rel W	

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AIRPLANES 1921

Number.	Date.	From or To—	Subject.
589708	10/5	Anacostia	Instln of radio apprs in HS-2 boat- fwds photo showing - recommends addtl key be installed. W. To Pensacola- Fwds 2 photographs a d sketch 10/15 Pensacola- report of rad o instln on HS-boat 1619- 12/19 W Fwd CO Anacostia 12/24 RB 12/30 W
589587	10/10	To S&A 8952 W	Reqst shipmt of wire from Phila to Anacostia RB 11/2 Aircraft Factory 10/20 W To Aircraft Fac- Shipmt of wire shld be expedited cc Anacostia- S&A 10/26
590050	10/10 10/12	Aircrft Facty Phila.	32 batteries in store tested and found to contain 50 containers. W. Phila 10/27 W To S&A Reqst shipmt of mat from Phila to San Diego 9107 11/3 RB 2/14 W Aircrft Facty- Copy action to S&A 12/16 W
590056	10/11	Anacostia	Steel straps securing generating to base- broke during flight of F-5 boat- recommends increase size of. W.
590003	10/12	Aviation	Copy of letter to Aircrft Facty requesting TS airplanes be bonded for radio. W.
590002	10/12	Aviation	Copy of letter to Pearl Harbor authorising radio instln in N-9 seaplanes/ W.

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AIRPLANES 1921

Number.	Date.	From or To—	Subject.
591090	10/7	Anacostia	Constant speed fans for aircrft radio equipt - recommendations cov modifications to. W. Anacostia- 12-/9 Subm report of test. W.
591259	10/18	Aircrft Facty	Request auth ito install type SE 1370 receiver for experimental purposes. W. To Phila- Grants auth 10/22
591334	10/4	Pearl Harbor	Request auth to return radio equipt listed. W To Co P H- rel material 10/25
591376	10/5	Pacf. Air Force (T)	Aircrft radio appartus- comments on instln. W. Pacf. Air Force (T)-Rqst immeidate shipt of 40-SE 1345 airplane radio sets. 10/19 W. To Pacific Fleet- Gives status of radio set cc Aeron utics 10/22
591411	10/19	Anacostia	Fwds sketch of transmitter modified for continuous wave transmission; also copy of instrns. W.
592220	10/5	Pacf. Air Force	Main transformer leads of oscilation transformer breaks due to excessive vibration -fwds photos showing modification of. W. Fwd CO- Anacostia 10/26 RB 11/19 with photos. W To Pacific Fleet- Gives scheme envolved by Anacostia which seems to have an advantage over method submitted by fleet 11/23
592673	10/19	Pacf. Air Force (T)	Request 48 airplane sets. W.

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.	
573845	FROM CARD 212		Pearl Harbor- Request copies of shipt orders 10/24. 1/27 W.	
			To P H- Gives Action taken 2/16	
			Pearl Harbor- Material recd. 3/10 W.	

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Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
586985	9/22	Aircrft Facty	Radio instln on DH-4-B airplanes- fwds prints. W. To Phila appvd 9/28
586299	9/23	To Aeronautics	Airplane at Naval Aircraft Radio lab- Gives instrns W. Aviation- Request be notified when tests are completed 10/5 W.
587310	9/24	Dept	Ask number of ships and planes which will be equipt with type SE 1345 continuous wave transmitters before 1/1/22. LW. 568487-749 To Operns Gives inform 10/4
587444	9/26	Avaition	Copy telegram to Ham.Rds. directing transfer DH-4 airplane 3390 to Anacostia for duty in conn with radio experiments. W.
573845	FROM CARD 206	To S&A Reqst shipmt of mat from Phila to SO P H 9019 10/24 RB2/3/23	Aurcrft Facy-Ask if shall dintinue test. 9/26 W Aircrft Facty- Fwds photos showing condition of plates of stg battery. 9/29 W
Card 212 A		Aircrft Facty- 11/4 W To S&A Reqst shipmt of mat from Phila to Pug Snd 9141 11/8 To Aircraft Fac Phila via Comdt Reqst inform cc S&A 11/10 Aircrft Facty-Recommendations for cancelling shipt order. 11/16 W To S&A Reqst shipmt of mat from Phila to MI 9219 11/19 To S&A Reqst shipmt of mat from Phila to P H 9222 11/19 Aircrft Facty-Subm list of material 12/5 W	To Phila via Comdt Submits recomdn cc Aeronautics 9/30 To Aircraft Fac Authdcc Phila- CO OHIO 10/6 To S&A Reqst shipmt of mat from Phila to Washn 8939 10/6 RB-11:1 To S&A Reqst shipmt of mat from Phila to SO Reqst Washn 8940 10/6 To S&A Reqst shipmt of mat from Phila to SO Brook 8929 10/6 Aircrft Facty- 10/20- Rqst disposition of material. W. To S&A Reqst shipmt of mat from Phila to SO MI 9020 10/24 RB 1/28 L To S&A Reqst shipmt of mat from Phila to Pug Snd 9021 10/24

AIRPLANES

Number.	Date.	From or To—	Subject.	
587529	9/26	Aircrft Facty	Fwds photos showing radio instln on passenger carrying F-5 boat for Anacostia. W.	
587646	9/27	Anacostia	Fwds data for Bureau radio telegraph mannal. W	
587719	9/13 9/28	Inspr Lewis Vought Ordn.	Subm report on shortages in radio equipt on VE-7-SF planes 6029-6030. W. Fwd Aeronautics 10/1	
587226	9/30	To Phila Aircraft Fac	grants Authority preparation of a dummy set for Trial beard Use W To Phila via Comdt- reqst shipmt of material be expedited 10/25 To S&A Reqst shipmt of Radio set from Phila to Detroit 8937 10/6 RB 11/18 W Aircrft Facty- 10/21. W.	
588551	10/3	Inpr Fitts	Copy of endorsement to Inspr Detroit rel to instln of radio sets for ST and SV airplanes. W.	
588509	9/22	Pearl Harbor	Request auth to cut down one aircrft receiver to hook up to 6 step amplifier for aircrft experimental work with loop antenna. W. To P H Grants authority 10/7	
574790	10/4	Aircrft Factu	Rqst auth to install radio apprs on remaining 13 DH-4-B airplnes. D	736
587688	10/8	To MI	Eqpt and lead batteries- Gives inform rel L W	898

AIRPLANES 1921

Number.	Date.	From or To—	Subject.
583411	9/6	To CO Anacostia	Radio compass for metal planes; Reqst progress report W
584449	8/31	Atl. Air Force	Reports on test of radio compass on airplane W. 919
584579	8/10	Coco Solo	Request permission to install radio in F-5 L - arranged to protect from rain and spray. W To- Coco Solo via Aeronautics Appvd chance of installation- 9/10 W
583966	9/7	To S&A 8729	Reqst shipmt of mat from Anacostia to Inspr Dayton W
585312 TO CARD 237	9/7 To Anacostia- Gives instrns rel work 11/28 To Anacostia-reqt info-2;25-W	Atl. Ship Plane Div.	Reports on means devised for establishment of communications frok partially disabled land plan by radio W. To Aeronutics Gives inform rel test 9/17 Aviation 11/9 W
585657 CARD 224	?	Bureau Aeronautics Memo 666 600-21	Will direct inspectors to send correspondence on airplanes radio to Engineering W.
585654	9/17	To Phila	Instruction Books-Gives Instrns W Aircrft Facty -Fwds copy of aircrft Facty expenditure. 9/26 W.
586953	9/15	Anacostia	Modifications of wing fitting type 1263- fwds photograph. W. To Phila via Comdt Modification authd 9/21 To Anacostia- modification approved 9/22 To Anacostia- 9/24 Anacstia- Fwds photos showing modification of wing fitt ngs. 10/7 W

AIRPLANES 1921

Number.	Date.	From or To—	Subject.
586086	9/16	Anacostia	Fwds photos of instln of #13 amd 14 receiver on a DH-4 plane. W.
		Aircrft Facty-Fwds photos showing condition of radio instln DH-4-B plane.	To Quantico Fwds correspondence 9/22
	9/29	W.	To aircraft Fac via Comdt Phila- Gives inform listed rel instln of receiver 9/22
586314	9/20	DesLauriers Column Mould Co. (T)	Request specifications be raised from 50 to 60 nautical miles. W.
			To— (T) Gives inform rel transmitter 9/21
46681	9/16	Inspr GE	Aircraft Radio equipment request tolerance 629 of 2% plus of minus from rated boltage of dynamotors SW
585978	9/21	To Phila via Comdt-	material- Gives list of items of aircraft material be reported to bureau W
586651	9/23	To C-I-C Pacific Fleet	Addnl receiving equipment for Aircraft spotting W
586298	9/22	Aeronautics	Copy of action to Anacostia W
			To Anacostia via Comdt- Gives Action 9/24
			Aviation 9/28 Copy action to Wahsn. W.
			Anacosita-Comments on reduction in warble. 10/5 W
			To Anacostia Recomdn appvd 10/11
586747	9/19	Insp Packard	Radio set for installation on S-D monoplane
	9/21	Insp Pitts	Request be furnished at once W

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AIRPLANES 1921

Number.	Date.	From or To—	Subject.
581611	8 18	Anacostia	2 Deslauriers fans recd 8/4 - no trouble after 15 hour service. W.
581001	8-20	To Anacostia	Design of high power seaplane vacuum tube transmitter 163-B W
581786	8-22	To S&A	Reqst shipment of fans from Brooklyn to Phila Airc Facty W 8588 RB 1/12 W To Inspr Brook Gives instrns 9/3 Inspr Brook- No record of extra fan taken to Washn. 9/6 W To- Reqt amend shipment order. 10/14 9003
581790	8-22	To S&A	Reqst shipment of transmitter from Anacostia to G.E. W 8597 RB 9/2 W.
557128	FROM CARD 199		Aircrft Facty- Completion date of generator propellers. 8/25 W Aircrft Facty- Fwds prints and reports on use of propeller 9/1 W. To Aircraft Factory manufacture of Propeller set approved 9/14

Number.	Date.	From or To—	Subject.	
582715	8/31	To-Aircraft Factory via Anacostia-report on test-10;27-W To Anacostia- Reqst report 11/2 To Phila via Comdt- Sample propeller card approved 11/2	Phila Comdt Shipmt order is being issued to cover shipmt of material listed W Phila) Rqst expedite info.10/20 W Fwd Anacostia 10/22 Aircrft Facty- Rqst auth to remove propellers from transmitters in store. 11/8 W	
583448	8/30	Atl.Air Detch.	Aircrft radio sets- reports faults development in first year service. W To Atl Fleet - Div Hamp Rds via Atl Fleet Gives comments 9/3 Atl.Fleet Ship Plane Div. Recommends use of standard battery for transmission 9/8 W	
583449	8/30	Atl.Air Detch.	Reports on sacrafice of speed due to use of prelonging wire antenna 200' in length. W.	
582710	8/30	To S&A 8694	Reqst shipmt of Equipment from Aircraft Factory to CO 8694 W RB 10/4 W.	
583627	8/26	Pensacola Pensacola-Subm list of parts used in each instln 9/22 W. To Pensacola- Change authd 10/5 To Pensacola- Reqst photographs 11/3 Pensacola-Fwds photos rqsted.11/10 W	Proposed antenna transfer device for twin motor plane- fwds photos. W. Fwd Anacostia 9/6 RB 9/13 W. To Pensacola Disappvd 9/16	
583405	9/2	To CO BRAZOS	Radio material- issue of mat authorized ~~co~~ Nerf W BRAZOS- Transfer made.9/3 W.	
584092	8/18 8/27	Atl.Air Detch. SHAWMUTT	Investigation as to cause of fading while transmittingair plane is making a turn. W. To CO Anacostia 9/7 RB 9/19 W. To Atl Fleet- Hamp Rds Gives Inform W 9/23	

Number.	Date.	From or To—	Subject.	
530403	FROM CARD 188		Property Acctg. Office- Rqst disposition be made of material 8/3 W. fwd Inspr Brook 8/13 RB 9/16 W. Fwd S&A 9/17 RB 10/8 W. Inspr Brook. 9/23 W.	
579590	?	Rockway	Subm list of radio equipt for various F-5 boats. W.	
579252	8/8	To S&A	Reqt shipt of Deslauriers radio generator RB 3/29 W propellers from Air Fact to Pac Air Force. W To Pac Air Force--Shipt order issued. 8/9 W To Air Fact--Auth coversion of radio gen. 8/9W	
		Aircrft Facty- Reports receipt of 48 instead of 49 DesLauriers propellers- 8/31 W To Aircraft Fac will carry out instrns 9/14		
579823	8/9	Aircrft Fcty	No send-receive switches are available for in tin on planes- request instrns. W. To Airc Facty 8/12 Phila-Rqst expedite del of switches. 9/23 W	
		Aircrft Facty 10/12 W. To Phila via Comdt Satisfy 10/15		
579871	8/8	Atl. Air Force	Subm report on continuous wave transmitters from remodeled SE 1345. W. To Atl Fleet 8/13 To Anacostia 8/13	

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Number.	Date.	From or To—	Subject.	
577940	8-10	To Inspr GE (T)	Reqst engineer be sent Washington confer on modifications transmitters W Inspr GE- 8/11- (T) Contractors representative will be in Washington, 8/17 W	
543796	8/9	S&A	Copy of letter to Aircrft Facty rqsting return shipt order cov aviation transmitting equipt	793-8
580099	8/10	J. Marsten	Request instrn books cov flying boat, radio transm. W. To 8/13	
579762	8-11	To Inspr G.E.	Tests begin at Anacostia on 15th, type SE 1345 120 W Deslauriers propellers. Asks if desire send representative. W copy GE Co. Inspr GE- 8/15 W.	
579938	8-10	To Operations (Avia)	Fwds report of conference held in Bureau. Reqst statement made in re Bur Aeronautics be confirmed. RB 8/12 W.	W
580491	8-16	To Airc Facty	Rqst instruction books be fwded Bureau W Aircrft Facty- Books mailed 8/22. 9/12 W	
579936	8/16	To Anacostia	Design problem- 162-B covering sinusoidally modulated CW trans for spotting planes W	898
580501	8-17	To S&A	Reqst shipmt from Ham Rds to Phila W 8828 RB 1/12 W Shipt from Santo Dimmingto City to Phila 8/17 8529 RB 10/5 W Shipt from San Diego to Phila 8/17 8530	

AIRPLANES 1921

Number.	Date.	From or To—	Subject.	
577662	7-30	To Inspr Phila	Reqst detailed report covering sparking of instaln. W copy C&R Phila- Fwds report on sparking of instln on VE -7 SF planes with photos. 8/9 W.	
577775	7-30	To Airc Factory	Radio instaln on F-5- L seaplanes W Aircrft Facty- 7/10 Fwds prints and vandykes of F-5 radio drawings. W. Aircrft Facty- 8/17 W.	
577430	7-30	To S&A	Reqst shipmt of radio material from Yorktown to Phila AF W 8329	
578109	7/28	Anacostia	Comparative test of U&G tubes in type SE 1370 aircraft radio transmitting equipt. Report covering. W.	
578108	7/28	Anacostia	Report on test of DesLauriers self regulating fan in conn with spark-plug transmitter. W Anacostia- 7/28 W.	
578120	7/22	MI	Fwds report rel to difficulty of receiving from aircrft at San Diego air station W. To San Diego via Com MI 8/5 RB 8/10 W. Fwd San Diego via Com MI 8/13	
577772	7/30	To S&A	Reqst shipmt of radio material from Rockaway to Airc Fact Phila W 8328	
577429	8-2	To Rockaway via Comdt 3rd Dist	Reqst airc radio material not installed be shipt to Airc Facty. W copy Airc Facty	

AIRPLANES

Number.	Date.	From or To—	Subject.	
577780	8-1	To S&A	Reqst shipmt of motor generator from Anacostia to Hamp Rds W 8348	
520656	7/5	Balloon Div.Eng.	Subm report of expenditures under allotment Aviation 1921. DA	919
550285	FROM CARD 197 SEE CARD 207		Ham.Rds. (T) Gunner W. H Smart reported for duty in conn with protecting device for kite balloon. 8/2 W. Ham. Rds. 8/4. Subm estimates. W To Hamp Rds 8/18 To Ham Rds 8/22 copy Norf To CO Hamp Rds reqst photographs be fwded 9/23 Aeronautics-Report on wave length capacity etc of balloon circuit.9/24 W Ham.Rds. 10/20 W Ham Rds-Install ready for test-10;26-W To Hamp Roads- Gives inform 11/2 To CO Hamp Rds Gives inform rel test 11/10	
578852	8/2	Anacostia	Gives method of reversing field of aircrft spark transmitters on account of using Des Lauries self regulating propellers. W.	
578282	8-2	To S&A	Reqst shipmt of radio condensers from Airc Facty Phila to San Diego W 8379	

Number.	Date.	From or To—	Subject.
574748	7-16	To S&A	Reqst shipmt of radio fans, from Anacostia to DesLauriers Column Mould Co W 8149
574750	7-16	To Phila	Aviation- shipment of airc radio material at Cape May to Facty. W
575866	7;15 Ham.Rds.	Phila Recommendations.8/5 W	Fwds report of trip of W.H.Anthony radio Inspr in connection with instaln and repairs of radio matl issued planes holding bombing exercises.W fwd Anacos 7/21 RB 7/26 W To Phila 7/30 To Ham Rds 7/30
575980	7;18	Anacostia	Reqt one audio frequency amplifier be furnished for use in connection with problem 93-B covering landing field indicator audio frequency system.W
576756	7;21	Anacostia	Calls attention to defects developed in se-1370 transmitter during flight.W To Comdrs CO'S 8/13
3 550285	FROM CARD 197	SEE ALSO 208	C&R- Ham.Rds.rqst 450ft of Belden braid for one instln. 7/25 W To Hamp Rds 7/27 copy C&R To Ham.Rds- 8/6 W. Ham Rds. 8/8 W. To Ham Rds 8/12

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Number.	Date.	From or To—	Subject.
577171	7/25	Aircrft Facty	Suggestions for precautions to be taken with radio instlns on aluminized planes. W To C&R 7/28 C&R 8/5 W
576692	7-28	To Rockaway	Aviation- flight of D-6 to Lakehurst- for purpose of calibrating shore radio compass station W. Rockaway 7/30 W. To CO ROCKAWAY 8/4
576683	7-27	To Operations	Aviation- radio instaln on 80 DH-4 airplanes being made ready for shipment at Airc Fact W copy Airc Fact Dept- 8/19 W.
577430	7-29	To CO Atl Flt Torpedo Plane Divn.	Shipment of airc radio material W copy Airc Facty.
577727	7/25 7/27	Aircrft Facty Phila.	Subm suggestions rel to precautions to be taken with radio instln on illuminized planes. W
577868	7/25	Pen sacola	Modifications of SE-1442-A send-receive switch- fwds photograph and wiring diagram. W To Com t Pensacola 8/4
577844	7/28	Inspr Mass VOID VOID error	Fwds descriptive matter with print from Henschel & Co. cov WT auxiliary lighting relay. L

Number.	Date.	From or To—	Subject.	
571892	6/24	Anacostia	Report cov failure of Crocker Wheeler wind drivdn generator for usein conn with aircrft transmitter. W.	
572668	7/2	To CO HENDERSON 511-6 To Washn Reqst inform rel neccy equipment 7/2	Instln of temporary Addnl apparatus for reception of radio aircraft signals during remaining bombing exercises on ex german ships W	
573209	7;2	Anacostia	Use of acceptor and rejector circuits and method of tuning fleet transmitters-comments on.W	
573665	7;6	Anacostia	Power supply for tube sets-report covering investigation of.W	
573283	7-6	To CO Airshipt Detach England. 736-98	Reqst report covering radio material activities in conn with Z-R-2 W Air Ship Detch. Eng. 7/29 W	
573620	7-8	To S&A	Reqst shipmt of speed fans from Brook to Anacostia W 8050 RB 8/2 W.	
53458	7/6	Inspr So Brooklyn	Test of Aircraft Radio Condensers. WS	629

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AIRPLANES: RADIO 1921

Number.	Date.	From or To—	Subject.	
573621	7-12	To S&A	Reqst shipmt of sets from Airc Factory to Inspr Stout Lab. Detroit W 8072 RB 8/17 W	
573839	7-12	To S&A	Reqst shipmt of transm from Airc Factory to Washington W 8071 Shipt order from Airc Fact to Wash 7/27	8303
573845 TO CARD 212	7-14	To Comdt Phila Phila.- 7/29 W. Phila- Fwds inventory. 8/5 W To Airc Facty 8/19 To Airc Fact 8/24 Aircrft Facty-Sum list of material of no use- 9/6 W. 498486 fwded from card 172	Invent ory of aircraft radio apparatus recently taken at Naval Airc Facty- Reqst copy be fwded W Air Fty-fwds inventory of aircraft radio apparatus-7,20-W To Airc Fact 7/26 Norf-7,14-W	
575221	7,14	Anacostia	Calls attention to trouble experienced with wind driven radio generator-recommends spares be provided.W	
574750	7-16	To S&A	R qst shipmt of radio material from Phila to Airc Fact W 8150 RB 7/30 W.	

Number.	Date.	From or To—	Subject.
569642	6/14	Inspr GE (T)	Subm inform rel to total price of generators and propellers. W.
569587	6-15	To Atl Fleet (Shawmut)	Instructions for use of emergency radio communications apparatus in case seaplane is disabled on water W copy Hamp Rds.
569588	6-15	To Hamp Rds	Instructions rel emergency radio commun appr in case seaplane is disabled on water W copy At/ Flt.
569593	6-15	To Airc Facty	Design of waterproof cover for receiving sets W
558535	FROM CARD 200		San Diego-Fwds report of test of 671 batteries. 6/11 W. San Diego- Fwds reports 6/16 W San Diego 6/28 San Diego- Fwds survey #1 cov Willard stg batteryes. 7/19 W. To San Diego 8-3 Atl. Air Force- Reports on test of aircrft radio stg batt. 9/8 W. To Atl Fleet Gives In orm rel batteries 9/24

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
569600	6-16	To S&A	Reqst shipmt of radio condenser from Anacos to Brooklyn W 7856
569980	6-17	To Atlantic Fleet	Reqst report covering radio compass during airc bombing of ex german ships W
570205	6/16	Anacostia	Report on test of DesLauries self regulat ing fans. W.
569989	6-20	To Phila (T)	Approval of Airc radio instaln planes VE 7 SF planes as per drawing 51772 W To Phila confirm 6/21 Aircrft Facty- Fwds prints. 6/27 W
569986	6-20	To S&A	Reqst shipmt of radio material from Phila to Ham Rds W 7894 RB 7/18
571030	6/21	Aircrft Facty	Ask if shall remove radio instln on HS-2 boats 2127 and 2130 to be shipt to Anacostia. W. To Phila Airc Facty auth granted 6/24 Aircrft Facty 6/29 W.
570662	6-22	To S&A	Reqst shipmt of radio condensers from Anacos to Hamp Rds W 7934
571688	5/2 6/6	Nav. Observor Berlin Nav. Intelligence	Fwds books in conn with aviation motors and radiators for- also wireless telegraphy for aircrft. W.

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Number.	Date.	From or To—	Subject.	
567321	6-6	To Airc Facty	Reqst for detail of radio electrician to assist in radio airc material work during airc bombing exercises with ex German ships at Hamp Rds on 6/15 W	
		736-11		
567322	6-6	To Operations	Radio tele- shipment of radio emergency airc equipment to Hamp Rds W Dept- Copy of tekegram to Atl Fleet in conn with shipt of radio material from Phila. to Ham. Rds. W. Atl. Destry- Copy- BaRNEY designated 6/8 W Atl Destry- 6/8 Copy- W. Atl. Destry. 6/10 Copy- W.	
568285	6/4	Anacostia	Design problem 81-B 100 mile emergency transmitters- preparation of emergency antenna equipt by crew of a seaplane under forced landing conditions. W	
		875		
568016	6-8	To Airc Facty	Radio tele- avia auth granted to manfg 20 radio gen propellers for emergency airc radio communication W	
568546	6/8	Aircrft Facty	Request authority to issue test set in storage to aircrftFaaty. W. To Aircraft Facty-F 6-10 Air Fty-7-6-W fwd Anacostia 7/9 RB 7/15	
568023	6-9	To S&A	Reqst shipmt of radio material from Airc Facty to Hamp Rds W 7762 RB 7/9 To Hamp Rds 8/5 Ham. Rds. 8/15 W.	
568623	6-9	To Pac Fleet	Quarterly report of airc radio material W To Atl Flt 6/9 To Pac Fleet 7/25 To Saawmut 7/25 CO Shawmut--8-30 Atl/Air Force- Fwds quarterly report. W. 9/30	
CARD 217		To Atl Fleet via C-I-C- Reqst report be submitted 11/10 To Air Squad Pacific Fleet via C-I-C Reqst report to submitted as listed 11/10		

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AIRPLANES

Number.	Date.	From or To—	Subject.
568019	6-10	To S&A	Reqst shipmt of radio material from Wash to Airc Facty W 7760 RB 10/5 W
568775	6/8	Internatl Devices Co. To Inspr Brook ~~6/23~~	Ask if Bureau desires copues of instrns book covering airplane transmitters. W. To 6-11 Internatl Devices Co.- 6/13 W To 6-17 To Inspr Pitts 6-17 RB 6/22 W Internal Device Co.- 6/20 W.
568771	6/8	Anacostia To CO Rockaway beach via Comdt 3 Dist- instln authorized 7/5 To Airc Fact 7/9	Design Problem 21-A; test of radio tranmitter equipt - preliminary report cov. W. To Airc Fac CO's Stations- precautions rel typ 1360 equipment 6/24/21 To Airc Fact 6/27
CARD 226			
567112	6-11	To Phila	Monthly radio report of 4-1-21 A W
5			
568023	6-11	To Secty	Reqst auth for radio elec to take passage on destroyer from Phila to Hamp Rds. W RB 6/15 W
568870	6-11	To S&A	Reqst shipmt of radio matrl from Phila Airc Facty to Harvard University W 7786 To Hammond Rech Lab. 6/21 To S&A Reqst shipmt of tubes from Phila to SO Boston 9348 12/10 RB 4/19/22. W
569184	6-15	To Atl Fleet SHAWMUT	Aviation Bureau rep to report to Comdr Air Force for radio work during bombing exercises W

AIRPLANES 1921

Number.	Date.	From or To—	Subject.
566384	5/26	Anacostia	Rsch problem #33 - Report on multiple tuned antnna with comments on. W.
566467	5/27	Anacostia	Request assign resch number cov correcting deviations on aircrft compass instlns. W. To CO- 8-1 To C Anacostia- Reqst data 3/30 Anacostia- 4/25 W.
565997	5-31	To S&A	Reqst shipmt of wave meter from Washington to San Diego W 7623 RB 6/30 W.
565996	5-31	To S&A	Reqst shipmt of wave meter from Washington to Pacific Fleet W 7622 RB 6/30 W.
565995	5-31	To S&A	Reqst shipmt of wave meter from Washingt on to Atl Fleet SHAWMUT W 7621 RB 6/23 W
565988	5-31	To Airc Facty	Radio tele- aviation- performance of F-5-L airc radio apparatus during trip from Pensacola to Havana and return W RB 6/11 W
566134	6-1	To S&A	Reqst shipmt of radio airc sets from GE to Phila AF W 7628
566146	6-1	To Phila	Radio equipment for motor boat at Naval Airc Facty. auth granted make instaln. W Aircrft Facty 6/18 W.

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AIRPLANES

Number.	Date.	From or To—	Subject.	
567112	6/1	Aircrft Facty	Takes exception to criticisms of radio activities at aircrft facty being incorporated in monthly reports. W.	
567152	5/19	Europ Forces	Two combined aircrft wireless transmitters and receivers purchased from Marconi Co. are being shipt to Anacostia. DA.	
46681	6/1	Dept	Copy of ind to S&A in connection with substitution of latest improved matl on contract. S&W	629
566914	6-3	To Pacific Fleet	Radio tele- avia- radio equipment for VE-7 SF airplanes. W To Atl Fleet 6-3	
566921	6-3	To Airc Facty	Radio tele- avia- generator brackets for use with ships airplanes type VE-7 SF W Aircrft Facty- Request authority to manfg brackets 6/14 W To Airc Fact modfn 6-17	
567312	6-3	To S&A	Reqst shipmt of radio airc receivers from Wash to Phila Airc Fact W 7644 R E 7/5	
567314	6-4	To S&A	Reqst shipmt of radio airc trans set from Anacostia to GE Co W 7663	
567313	6-4	To S&A	Reqst shipmt of brackets from Phila AF to Hamp Rds. W 7646	

Number.	Date.	From or To—	Subject.	
564112	5/10	Pensacola	Subm report on propellers and radio equipt installed on F-5 planes during trip to Havanna and return. W.	
564003	5/19 old no.	S&A	Copy action to Anacostia. W. ?? Shipt order 5/17 RB 6/13 W	
565495	5/19	Anacostia	Design problem 21-A cov aircrft radio transmitter equipt type SE-1370 - report cov, with photograph. W. Anacostia 6/3 W.	
564887	5-23	To S&A	Reqst shipmt of radio material from Phila to Hamp Rds Atlantic Flt. W 7503 Phila. 6/9 W To S&A Reqst shipmt of mat from Phila to Operns 7503 7/5	
564886	5-23	To S&A	Reqst shipmt of radio material from Phila to Hamp Rds Atl Flt. W 7502 To Airc Fact 7/16	
565303	5-23	To S&A	Reqst shipmt of radio material from NSD to Hamp Rds Atl Flt. W 7509	
564888	5-23	To S&A	Reqst shipmt of radio material from Wash to Hamp Rds W 7508	
564881	5-23	To San Diego via Comdt 11th Dist. N.Y. Fwds report from Rockaway 6/1 Pensacola- Subm report. 6/7 W Norf. 6/16 W To CO's- non receipt of report 8/2 Ham. Rds. 8/4 W. CO. 2 6/10 W. San Diego- 8/11 W. Coco Solo- Magnavox Instrument unsatisf. 8/16 W	Reqst report on present inter communication sets with new type push button transmitter, as installed on aircraft, with comments W To Atlantic Fleet. reqst report 5/23 To Rockaway via N.Y. 5/23 To Pac Fleet 5/23 RB 6/29 W To Hamp Rds via Norf 5/23 To Pensacola via N.O. 5/23 To Coco Solo via Cdt 15th Dist 5/23	

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Number.	Date.	From or To—	Subject.	
565538	5/23	Anacostia	Report on test of wind driven generator for use wiyh Type SE 1370 aircrft radio transmitter. W	
565667	5-25	To S&A	Reqst shipmt of generator propellers from Anacostia to Phila Airc Fact W 7512	
565669	5-25	To S&A	Reqst shipmt of spark transmitter from Anacostia to Quantico W 7514 RB 6/17 W	
565792	5-25	To Airc Facty	Reqst radio material covered by change sheets listed be turned over to yard Phila for stock and reissue W copy Comdt Phila	
565029	5/25	Ordn.	Request prints showing reels for radio antenna in aircrft . W. To Ordn 5-28	
56681	5/26	To Dept	Gen Elec Co-Cancallation of- Due to material covered bei g of obsolete design-substitution therefor or material of latest improved design cc S&A W 629	
565668	5-26	To CO's Flts	Aviation- modification to wave changer switch for spark transmitting equipments type SE 130 installed on F5L and H-16 sea planes W To Guam Gives Instrns 7/6	

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[OVER.]

AIRPLANES: RADIO 1921

Number.	Date.	From or To—	Subject.
9 560908	4;22	Anacostia	Recommendations covering test of DesLaurres self regulating air propellers.W
Aircrft Facty-Fwds print showing instln of radio equipt on VE-7 SF airplanes. 6/14 DA			Aircrft Facty- Subm sketches 6/1 W To Phila 6-4
561051	4;29	Foote Pierson & Co	Returns drawings of aircraft receivers.W
560073	4/29	Fwd S&A	Material for Pot office Department W S&A- Copy action to Boston. 5/5 W.
560808	4/30	To Operns via C&R	Radio equipment: New samples tested and appvd W ,RB 5/31 W.
560070	4/28	To CO Hamp Rds	Radio equipment-Gives status of shipmt W Ham. Rds. 5/23 W.
560669	4/28	To San Diego	Gives Status of shipment of planes Eqpt Instld in W
555108	FROM CARD 198		Norf. 4/30 W. Amendment of shipt ord r 7102 5/10 7317 To Norf 5-13

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
561191	5-4	To Anacostia	Fwded batteries for test on 5/2- reqst report covering W
562171	5/4	Anacostia	Report cov test of SE 1950 receiver, recd from Natl·Elec·Sup Co. W.
561197	5-6	To Phila	Modification to type SE 4080 radio comp coil W
~~562542~~	~~5/4~~	~~Anacostia~~	~~Report on test of sample SE 1390 transmitter~~ with photos. W. Anacostia 6/3 W.
562507	5/5	Aircrft Facty	Modifications of wave changer switch and send-receive switch-fwds photos cov. W. fwd Phila 5-14 RB 5/19 W.
562598	5/7	4th Dist. Copy	ACape May designated to guard wave lengths seaplane flight from Rockaway ~~wet~~ to Har·Rds. WDA
562941	5-11	To S&A	Reqst shipmt of radio material from Wash to Hamp Rds W 7350
562942	5-11	To S&A	Reqst shipmt of radio material from Phila to Hamp Rds. W 7355
	Aircrft Facty- 6/3 W. To Airc Fact 7/5		fwd S&A 6/21 Aircrft Facty-Copy action to S&A 6/28 W
563262	5-12	To Phila	Reqst copies of photos W Aircrft Facty- Fwds photos. 5/17 W

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Number.	Date.	From or To—	Subject.
558379	4/15	Hammond Labr.	Fwds copy of proposed plan of test of experimental transmitter at Washn. W.
551743		SEE CARD 197	To Hamp Rds There will be supplied sufficient spare equipments to meet needs of Air Station on basis of complement W 4/18
558535	4/19	To CO's	Radio storage batteries- Gives nform re test of W
TO CARD San Diego- (T) 205		Rqst addtl stg batteries be shipt. 6/10 W	Ham.Rds. Report on test. 5/6 W.
		Shipt order from Phila to San Diego 6/11	Anacostia Report on test. 5/2 W.
		Pearl Harbor- Report on battery test.5/26 W	
558837	4/19	Foote Pierson & Co.	Request fwd drawings listed cov aircrft receivers. W.

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AIRPLANES RADIO 1921

Number.	Date.	From or To—	Subject.
559977	4/25	Property Acctg. Off	Radio transmitter sets issued to Bureau Standards Labr- fwds expenditure invoice, rqsting inform as to appropriation chargeable. W. To- 5-4
559202	4/26	To S&A	Reqst shipmt of telegraph eqpt from Phila to Hamp Rds 7150 W
559208	4/25	To Phila	Standard radio instln on seaplanes- Reqst ce of modified plan for appvl W AD Ltr fwds prints-4;29-W To Phila appvl 5-4
559627 Ham. Rds. 5/4 Coco Solo- 5/10 Guam 8/20 W	4/27	To CO -Guam	Radio instln in seaplanes- Reqst report that instln have been corrected as listed W To Hamp Rds Gives correction in instln 4/27 To Rockaway beach Gives correction in instln 4/27 To Pacific Fleet -Coco Solo Gives correction in instln 4/27 Rockaway 4/30 W.
559629	4/27	To S&A	Reqst shipmt of radio receiver from Washn to Phila 7154 W RB 5/28 W.
560383	4;21	War Dept	Fwds report of 120 watt and 200 watt DesLauries single pole air fans:W

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[OVER.]

AIRPLANES:

Number.	Date.	From or To—	Subject.
556375	4;6	DesLauriers Co	Comments on possible cause of breaking of governor weights on 120 watt fans.W Des Lauries Co.-Rqst inform cov fan failing. 4/9 W To- Gives inform re fan 4/14
555734	4/8	To S&A	Reqst shipmt of equipments from Pensacola to Hampton Roads 6917 W. Shipt order from Ham Rds to Airc Fact 7/16 8151 RB 10/5 W
555748	4/9	To Anacostia	Reqst standard spotting plane radio set be instld in loening monoplane now assgd to Anacostia W
556201	4/11	To S&A	Reqst shipmt of equipment from Anacostia to Phila 6935 W RB-4;28-W
556207	4/11	To S&A	Reqst shipmt of Equipment from Washn to CO 6941 W
557060	4/12	Pensacola Copy	Will proceed with instln of radio generators in F-5 plane to go to Miami for Assistant Secretary. W.
556215	4/12	To Phila	Reqst equipments be modified to conform to latest standard equipments and upon comp of work Bu be informed as listed W Phila-air fty advise work completed-7;12-W To Airc Fac 7/16
557128	4/12	Anacostia	Resch problem 81-B-covering specifications for kites and air tunnels for multi-motored seaplanes - fwds drawings with comments on. W. To Aircraft Fac via C&R Fwds Plans 4/20 T Phila Fwds nine photographs of wind tunnel 4/20 C&R-Copy of action to Air Fty-4;26-W To Phila Airc Facty 6-3

CARD 210

C&R- Fwds aircrft facty drawings with recommendations. 6/4 W

To Phila via C&R Comdt Phila
Reqst radio gen prope per be submitted 7/1
cc CO Anacostia 7/1
To Airc Facty- 7-15

Aircft Facy will fwd sample propeller to Anacostia 9/5 8224 W.

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AIRPLANES 1921

Number.	Date.	From or To—	Subject.	
557197	4/6 4/12	Aircrft Facty Phila.	Fwds change of material sheets covering cov aircrft radio material. W	
557114	4/12	W. PP. True	Fwds letter from Popular Science monthly requesting copies of radio report on NC-4 Trans-Atlantic flight. W. To Dir Intelligence Gives detld inform 4/16 To-- 5/2	
557111	4/18	C&R	Fwds photos of radio direction finder for airship D-6 W. Fwd C Anacostia 4/18 RB 4/22 W.	
557730	4/14	Anacostia	DesLauries fan for aircrft radio telephone equipt- fwds prints. W.	
557854	4/14	Bd I&S	Copy of letter to Dept rel to status of aircrft immediately after completion of final trials. W.	
557882	4/16	To O-I-C Phila	Fwd number of instruction booklets on radio transmitter W	
558306	3/30	Pearl Harbor	Quarterly report on radio equipt. W.	
555708	4/13	Pensacola	Rqst 2 transmitters be furn station at once.	827
556680	4/9	C&R	Copy of letter to Pacf Air Detch in conn with trouble reports on JN-4 B-airplane.	736 DA

Number.	Date.	From or To—	Subject.
551975	3/18	To Washn	Gives instrns re type numbers on Amplifiers W To WashnGives instrns re type number on amplifier W. 3/18
553077	3/16	Pensacola	Radio compass installed on H-16 on H-5 useless when motors are running- suggest ignition leads be removed. W. To Phila. Instln authd 3/26 Phila 4/2 W
553187	3/22	Anacostia	Subm report cov defects in radio equipt for spotting planes. W.
553832	3/24	Anacostia	Design problem 81-B- emergency radio set for disabled aircrft- report covering development of. W.
554396,	3/29	Anacostia	3 phase induction motor- operation of, on single phase current with special reference to motor generators for radio telephone purposes- fwds wiring diagrams with comments on: W.
554120	3/30	To Phila	Aviation-Emergency communication from Standed Seaplanes- instrns for instln of W
554643	3/29	N.Y.	Request disposition of radio sets on hand manufactured by General Radio Co. W. To S&A Reqst shipmt of transmitting sets from NY t to Cambridge 6902 4/8 RB 6/22 W

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AIRPLANES

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Number.	Date.	From or To—	Subject.
511587	FROM CARD 178		Inspr GE 3/29 W.
			To Inspr GE. Fwds let 3/29 4/2
			Inspr GE- Rqst return of dynamotors from Cruft Labr. 4/4 W
			To Inspr GE. Reqst Inform 4/12
			Inspr GE- fwds inform rel dynamotors. 4/13 W.
			To SO Boston Reqst shipmt of dynamotors be expedited cc IM Boston Inspr G 4/19
			Inspr GE-Request reply to letter 5/25 W. ?
			To Boston Tel 6-10
			Boston- (T) Dynamotors shipt by Cruft Lbar. to Anacostia 12/6 6/11 W.
			To Boston Tel 6-13
			Bost- (T) 2 dynamotors shipt to Anacostia 6/16/ W.
			Shipt order from Anacostia to GE Co 6/18 7889
554865	4/6	To S&A	Reqst shipmt of cable from Phila to Hamp Rds 6898 W RB
			Aircrft Facty. W4/14 W.
			To S&A Reqst shipmt of cable from Phila to Hamp Rds 7057 W 4/21
555108	4/6	To S&A	Reqst shipmt of material from Brook to Washn 6863 Da RB 5/17 DA Shipt order 4/25 RB 5/11 D
TO CARD 201		To S&A Reqst shipmt of material from Norf to SO WashnAnacostia 7102 4/25	S&A- Ask if material shall be obtained by open purchase. 4/16 W.
		To S&A Reqst cancellation of shipmt order 6863 from Brook to Anacostia 7103 4/26 Fwd SO NY via S&A cc S&A 4/26	
555930	4/5	Anacostia	Subm report covering futhher defects, type SE 1345 generator mounted on HS-2 flying boar. W.
555391	4/8	To S&A	Reqst shipmt of equipment from Phila to Pensacola 6899 W RB 7/11
			To Phila Grants Authy 4/12
555399	4/8	To S&A	Reqst shipmt of air tank from Brook to Anacostia 6880 W RB 4/23 W
			To Anacostia Returns lemon Colored cc shipmt order 4/27
555733	4/8	To S&A	Reqst shipment of coils from Washn to Pensa 6916 RB 5/9 W

AIRPLANES 1921

Number.	Date.	From or To—	Subject.
550311	2/15	Dept	Circular- Aircrft Communications-instrns cov. W.
550285	3-11	To Operations	Lightning and static electricity protecting device for kite balloons W
TO CARD 208		fwd Operations 3-25 RB 6/18 W To Hamp Rds 6-21 via C&R C&T- Copy action to Ham.Rds.6/28 W To Hamp Rds 7/11	To C&R. Fwds specens 3/25 To Dept- 4/11 RB 4/18 W. RB 5/20 with print.W Hampton Rds 7/13 W
550971	3/11	DesLauries Co.	Request assign numbers to designating booklet type of fans which Co. is furnishing. W.
		DesLauries Co.- Quotation on air fans 3/31 W	To Deslauriess Column Moulg Co Gives file numbers assgd material 3/15
550750	3-12	To S&A	Reqst shipmt of receivers from Coco Solo to Phila Airc Fact W 6585 RB 6/22 W CocoSolo-4.14-W Amendment of 5/4 7252
550742	3-12	To CO's	Reqst statement covering airc radio helmets on hand. W
		Atl.Air Force- 4/2 W. Coco Solo-Subm report.4/1 W Ham.Rds. Copy action to S&A 4/12 W	Anacostia- 3/15 W. Rockaway - Inventory of airarft radio helmets 3/15 DA. To CO Reqst inform 3/21 Ham.Rds. 3/17- Helmets are in use. 3/17 W. Pensacola 3/21 W Rockaway 3/24 W. San Diego 3/23 Pacf.Air Force 3/30 W Pearl Harbor 3/29 W
550739	3-12	To S&A	Reqst shipmt of receivers from Wash to Coco Solo W 6584 RB 8/10 W.
551253	3/12	DesLauries Co.	Fwds copy of instrns plated with inventory cov stamping of name plate data- ask if satisf. W.

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AIRPLANES 1921

Number.	Date.	From or To—	Subject.
538226	FROM CARD 192		Pacf. Fleet- Comments on reception of signals from Aircrft. 3/4 DA.
541199	3-14	To S&A	Reqst shipmt of cable from Airc Fact to Anacostia W 6601 RB 4/8 W.
550747	3-14	To Coco Solo	Airc radio receiving equipments type SE 950 Shipt order issued from Coco Solo to Phila W
551743	3/10	Ham.Rds.	Request radio material listed for instln on seaplane s be furn. W.
		Ham.Rds.Rqst general assembly be shipt from Anacostia to Aircrft Facty. 3/31 W.	To Hamp Rds Gives nform re material 3/17
CARD 200		To Anacostia Gives inform re shipment orders cc Hamp Rds 4/8	Ham.Rds- Reasons why material requested is nec. 3/25 W.
551212	3/16	To Washn	Estimates for altering-ampl fiers- Reqst st be submitted W.
		To Washn Altern authd 4/25	To Washn Gives detld inform re amplifier Washn- Subm estimates. 4/7 W 3/16
542474	FROM CARD 194		Coco Solo 3/7 W. To Coco Solo 3/22

AIRPLANES: 1921

Number.	Date.	From or To—	Subject.
547642	2-24	To Rockaway Loans	Transmitting equipment- loan of to Dubilier Condenser Co W To Dub Co- reqst return of equipment 5/11 Dubilier Cond. Co. 5/17 W.
547644	2-24 To Inspr Dahlgren 7/21 Indian Head 7/25 W	To Inspr Dahlgren	Reqst report on operation and condition of aircraft radio material assigned to lower proving grounds. W To Inspr Dahlgren 7/9 Indian Head 7/12 W
548269	2/31 2/24	Pearl Harbor Dept	Request inform rel to methods used by allied forces during war cov communication between aircrft and submarines. W.
548291	2/4	Balloon Div. Eng.	Comments on direction finder coils for rigid air ships. W.
548292	2/4	Balloon Div. Eng.	Airship transmitters of weather reports during trip of Zr-2 report covering W.
548347	2/23	Rockaway	Fwds curve of division in conn with calibration of radio compass installed on non rigid dirigible C-10. W.
548501	2/24	Anacostia	Long wave compass for lighter and heavier than aircrft - fwds print with report covering. W.
548534	2/24	Anacostia	Subm report on test of type N vacuum tubes W
548535	2/24	Anacostia	Aircrft radio compass for medal planes- subm report cov, with sketches. W.
548336	3-1	To Nav via Nav Com	Assignment of officers for radio airc duty reqst for. W Navigation 3/12 W

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AIRPLANES

Number.	Date.	From or To—	Subject.	
548031	2-15	Ham Rds Copy	Recommends NC-2 be sent to Airc Fact for overhaul preparatory to radio test W	908
549394	3-5	To Comdt Phila	Reqst investigation of loss of tools for Pensacola before reaching destination W Phila. 3/11 W.	
549406	3-5	To Pac & Atl Flt T	Reqst report covering suitability airc radio set for airplane fire control- W Pacf.Fleet- (T) Preliminary report fweded. 3/29 W	
549389	3-5	To S&A	Reqst shipmt of radio airc trans equipments from GE Co to Coco Solo W 6496 RB 7/8 S&A 4/5 W.	
549395	3-7	To S&A	Reqst shipmt of airc radio spark trans equipmt from Hampton Rds to Airc Fac Phila W 6497	
549388	3-7	To S&A	Reqst shipmt of radio equipmt from Anacos to Airship Detach Howden En g. W 6495 RB 6/3 W	
549640	3/3	Anacostia	Subm report on service test of type SE 1345 equipt installed in VE- 7 plane. W.	
549396	3-8	To S&A	Reqst shipmt of radio trans equipments from Pensacola to Airc Fact Phila W 6498 RB-4;28	
39850	3/3	Washington	Fwds copy of report of test of aircrft radio transmitter type SE 1380 SW	629

Number.	Date.	From or To—	Subject.	
546061	2/11	Western Elec. Co.	Calls attn to location of trunk at N.Y. Yard marked "W. Kraft, c/o Western Elec. Co." which was taken abroad by Lt. Cdr. Lavender and lost. W.	
546630	2/27	Anacostia	Comments in conn with broad casting technical inform from Bureau Engineering to amateurs. W	
546471	2-16	To S&A	Reqst shipmt of matrl from Washington to Airc Fact Phila W RB 3/16	6341
547988	2/15	Anacosita	Test of Deslauriers single blade self regulating air propeller- report cov - fwds photos. W	
546472	2-17	To Expr Station	Assignment of problem 108- "Aircraft engine muffler". W	
546466	2-17	To Comdt Phila	Authority granted to discontinue instaln of type SE 4005 A microph one trans at Naval Airc Facty W	
546479	2-17	To S&A	Reqst shipmt of radio gen tripods from Phila to Fleet Air Detach BURNS W 6356 RB 7/11	
546475	2-17	To Pac Flt Air Detach BURNS	In conn propellers for airc radio equipments type SE 1300 for instaln on DH-4 planes W	
546478	2-17	To PFAD BURNS T	Rel shipmt of matrl for planes. W To Phila auth granted 2-18	
547026	2-18	To Anacostia	Problem 137- test of Magnavox loud speaker on N-9 plane W	

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AIRPLANES

1921

Number.	Date.	From or To—	Subject.
547128	2/15	Operations	Circular letter calling attn to low standard of aircrft communication- directs steps be taken to correct addition. WDA.
546480	2-17	To Inspr GE T	Rel shipmt to Lewis & Vought Airc Corpn of airc equpments. W
547031	2-19	To S&A	Reqst shipmt of radio material from Washn to Ham Rds 6325
546476	2-18	To S&A	Reqst shipmt of radio material from Anacos to BURNS. W 6352 RB 5/5 W.
547038	2-19	To S&A	Reqst shipmt of radio matrl from Phila AF to Rockaway W 6371 RB 3-5
547034	2-19	To S&A	Reqst shipmt of fan from Anacostiate Jersey City. Des Lauriers Column Mould Co W 6364 Amendment of 3/11 6556
547631	2-23	To S&A card 257	Reqst shipt of radio trans appr from GE to Lewis & Voughy Corpn Long Island City W 6407
545226	FROM CARD	194	S&A- No record of cancellation of shipt order 2/23/21 8/30 W
	To	DesLauriers Co- Fwds instrn	Des Lauriers Co.- Liberty engines shipt to Co. from aircrft facty. 2/21c DA.
	book	ee 4/4	Rockaway 2/17 W.
			To S&A shipt order of Lib eng frm Phila to Deslauriers Co 2-26 6405
			canc part of shipt order 6285- 2/28 6445
			Des Lauriers-Column Mould Co.-Rqst bureaus comments. 2/28 WDA.

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AIRPLANES: 1921

Number.	Date.	From or To—	Subject.	
540463	1-21	To Inspr Brook	Gives instructions in conn instaln and testing of radio equipment on airplanes, type VE 7 SF at Lewis & Vought Airc Corpn. W	
541798	1-25	To S&A	Reqst shipmt of rec and trans equipments from GE to Phila Airc Fact W	6045
541797	1-24	To S&A	Reqst shipmt of trans and rec equipments from GE to Lewis & Vought Long Island N.Y. W	6044
	Inspr GE- 2/17 W	Copy of action to S&A	To Inspr GE 2-9 RB 2-19	
	S&A- Inspr GE advises apprs shipt- unable to locate 2/24 W		Inspr GE 2/16 W. S&A- Copy of action to Inspr GE 2/14 W.	
541788	1-24	To S&A	Reqst shipmt of trans and rec equipments from GE co to Anacostia W RB 2-7	6043
474				
542274	1/13	Coco Solo	Request radio material listed be fwded as soon as possible. W.	
TO CARD 197	To S&A shipt from Wash to Coco Solo radio matrl 2/11 6236 RB 5/6 W		To Coco Solo - reqst info 2-10	
	Coco Solo- Copy To Coco Solo 2-5	SE 1310 sets unsatisf.3/1W	Shipt ord from Phila to Coco Solo trans 2/10? 6237	
542473	1/13	Coco Solo	Subm list of radio apprs lost on F-5 seaplane #4294. W. To Coco Solo 2-10	
542727	1/19	Anacostia	Fwds sketch showing circuit for reradiation of signals; also method of including microphone in relay circuit with comments on. W	
542779	1/25	Anacostia	DesLauriers constant speed low wind velocity propeller- report on test of. W.	
543034	1/24	Anacostia	Resch Problem 81-B; seaplane emergency power for radio generator- fwds photo with comments. W.	
215	To Lt Palmer via CO-SHAWMUTT Reqst inform 10/8		To Lt. Palmer via Anacostia- fwds rough draft of patent application for means for creating emergency power for airp radio gen systems 5/19	
	Ham.Rds-Fwds rough draft of patent application. 10/17 W.			
543519			Norf- Copy of action to Pug. Sd. 2/8	W.

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AIRPLANES: 1921

Number.	Date.	From or To—	Subject.	
543512	2-29	To S&A	Reqst shipmt of trans equipments from GE to Airc Facty Phila W RB 6/22 W/	6110
544761	2/3	N.Y.	Confirms telephone conversation requesting disposition of radio transmitting set on hand at Supply Dept recvd from Army. W.	
		N.Y.- Rqst action. 2/23 W. Nav. Sup Depot-Copy of action to NY 3/4 W	To S&A shipt from NSD to Phila AF radio 3/2 RB 5/6 W	
		N.Y. 3/3 Rqst action. W	To NSD 3-12	
544617	2-5	To Gr Lakes T	Asks rel equipment for laon to Mr. Hosmer of Air Mail Field Chicago W 9th Dist. 2/7 (T) W.	
544619	2-7	To Atl Fleet Ship Plane Detach Guantanamo Cuba T	24 ballast lamps for aircraft radio equipments being shipt from Phila W	
545228	2 /7	Deslauriers Column Mold Co.	Request Liberty motor with 4 bladed propeller be loaned for experimental purposes in development plans for radio generator. WDA.	
TO CARD 195		To Deslauries Column Mould Co 2/15	Shipt order from Rockaway to Deslauries Co 2/15 6285-	
		To Phila T 2-18 To Deslauries Co 2-23		
544623	2-8	To S&A	Reqst shipmt of avia matrl from Airc Fac Phila to Anacostia W RB 4/2 W.	6227
544620	2-7	To S&A	Reqst shipmt of lamps from Airc Fact Phila to Guantanamo Cuba W	6212
545212	2-10	To Phila	Reqst info pertaining to insulators as installed on flying boats type F 5 L assigned to Atl Flet W Aircrft Facty- Fwds prints. 2/18 W To Phila- reqst manf 2-24 To S&A shipt order from AF Ph to Pensacola 2/24 6412 RB 3/26 W Amendment 3/7 6520	

AIRPLANES: 1921

Number.	Date.	From or To—	Subject.	
540383	1-17	To Phila	Authority granted withdraw from store necessary material to make instaln in NC-9 and 10 including modified type CG 1111 gen and type CG 1248 variometer W	
540385	1-17	To Phila	Auth granted make instaln of two sta Magnavox intercomm set on training plane type VE-7 W C&R- Copy of actimmto aircrft Facty. W.	
540377	1-15 Ordn. 4/13 Fwd S&A 4/14 Navigation 4/16	To S&A W. W	Reqst shipmt of vac tubes from Washn to Lewis & Vought Garden City W RB 2-8-21 To Insr Brook- rel shipt 1-18 Inspr Brook. 1/19 (2 letters) S&A-Ask contract numbr under which material was purchased. 4/9 W	5927
540372	1-14	To S&A	Reqst shipmt of radio apparatus from Phila Airc Fac to Phila SO W	5924
540373	1-14	To S&A	Reqst shipmt of vacuum tubes from Wn to Airc Fact Phila W RB 3/16/21	5925
540981	1/15	Anacostia	Research Problem 15- covering test of Hammond equipt.	
Anacostia- test of Hammond Equipt. 2/8 W Anacostia- Report on test of Hammond Signalling system 6/10 W		Subm report on further		
540746	1-19	To Phila	Reqst for radio equipment for air station Anacostia W	
540736	1-18	To S&A	Reqst shipmt of Simon propellers from Ph to Pensacola W RB 2-21	5962
540735	1-18	To S&A	Reqst shipmt of transformers from Wn to Airc Fac Phila W RB 5/28 W.	5958
528261	1-13	Anacos	Fwds letter from H.H. Bunnell & Co subm quotation on radio appr.	875

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AIRPLANES

Number.	Date.	From or To—	Subject.	
540738	1-18	To S&A	Reqst shipmt of assemblies and variometers from Airc Fac Phila to SO Phila W	5963
541204	1-21	To S&A	Reqst shipmt of send-receive switches from AF Phila to Pensacola W RB 2-21 Rockaway 1/24 W.	5996
541203	1-21	To S&A	Reqst shipmt of send-receive switches from AF Phila to Rockaway Beach W RB 2-5	5995
541208	1-21 To Rockaway Beach 3/16 Ham. Rds. 3/17 W To Hamp Rds 3/21	To CO's and Flts	Radio tele- aviation -spark transmitting equipments type SE 1310 use of, for emergency communication W To Rockaway 2-19 Fwd Anacostia 3-3 RB 3-10 Rockaway 2/26 W To CO'S mgmt to 3-12 Rockaway 3/11 W.	
541198	1-20	To S&A	Reqst shipmt of radio trans equipmts from AF Ph to Anacostia W RB 2-8	5987
541205	1-21	To S&A	Reqst shipmt of send rec switches from Airc Fact to San Diego W RB 5/2 W	5997
541782	1-22	To S&A	Reqst shipmt of amplifiers from Wn to Anacostia W RB 2-4	6021
541206	1-21	To S&A	Reqst shipmt of send rec swtchs from Airc Fac Ph to Coco Solo W RB 4/6 W	6000

AIRPLANES 1921

Number.	Date.	From or To—	Subject.	
538018	1-5	To Bur of Navgn	Reqst transportation for Dr Chaffee between U.S. and Guantanamo in conn radio set developed by J.H.Hammond for use in spotting planes of Navy. W Navigation- Ask mail address of Dr.Chaffee.1/15 W To Nav gives address 1-20	
538178	1-5	To S&A	Reqst shipmt of batteries from Phila to Anacostia L 5761 RB 2-1	
538177	1-5	To Phila	Reqst material for Marine Corpns Aviation Ship no 1 L copy Capt Martin M.C.	
538012	1-4	To S&A	Reqst shipmt of switches from Airc Factory to Hamp Rds W 5750 RB 2-5	
538226 TO CARD 197	12/28 CO BRUNS 1/21	CO BURNS W.	Request immediate shipt be made of radio apprs listed for use on DH-4 airplanes. W. To BURNS Tel 1-5 CO -(T) Rqst immediate shipt of radio apprs.1/6 W To CO BURNS 1-12	
538261	12/31	Inspr Brook.	Copy of letter to NY Yard requesting radio apprs listed be delivered to CO BRIDGE and other apparatus held for delivery to Lewis and Vought W.	
538024	1-5	To Hammond Radio Res Laboratory T	Airplane set at Anacostia out of order- Reqst send representative make overhaul W	
538023	1-6	To S&A	Reqst shipmt of modified stg batteries from A.F. Phila to San Diego W 5774RB 5/19 W Amendment of shipt order to be marked for USS BURNS 1/8/21 5821	

To Pacific Flea t 2-5-21 copy Pac Flt Air Detch. W
To Pac Flet Air Detach 2-5

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Number.	Date.	From or To—	Subject.	
538771	1-8	To S&A	Reqst shipmt of radioreceivers from Washn to San Diego W RB 2/12/21	5822
534820	FROM CARD 190		S&A- Copy of action to Phila. 1/7 W. amendmne of shipt order 5570 1/14	5926
539316	1-12	To Phila	Authority granted prepare shipt of aviation material for use with Air Force Atl Fleet W	
539318	1-12	To S&A	Reqst shipmt of material for gen assemblies from Airc Facty Phila to Guantanamo W	5859
540463	1/13	Anacostia	Gives detailed information on instln of SE 1345 on VE-7 ST at Lewis & Vought Corpn.	
540510	1/13	Aircrft Facty	Aviation radio instln on Type CB flying boat- fwds prints. W. fwd C&R 1-31-21 C&R- Copy of action to Aircrft Facty 2/12 W	
463163	from card 158		To Airc Fac Phila- disposition of trans loaned to Amer RR Corpn 1-17 RB 1-26 Aircrft Facty- 2/4 W.	

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AIRPLANES

Number.	Date.	From or To—	Subject.
536418	12/22	Bur Standards	Request copy of report on noise conditions effecting radio reception on aircrft by B. F. Miessner. W. To Fwds report 12-27
536266	12-23	To CO Anacostia	Reqst suitable 12 volt battery and container be desired for use in conn with intercommunication W Anacostia 1/13 W. To Co- concurs recs 1-18
536272			Fwd Washn 12-27 W.
536276	12-28	To Anacostia	Reqst Aircraft Radio Lab comment on phenomena W. RB, 1/11 with recommendations. W.
536279	12-29	To S&A	Reqst shipmt of batteries from Washn to SO Phila 5692 W. RB 1-27-21
536280	12-29	To S&A	Reqst shipmt of m t from Phila to SO Phila 5693 W. Aircrft Facty- Ask when remaining batteries will be turn. 1/18 W. Shipt order from Wn to Phila AF battrs 2-2 6158 RB 3/18 W.
537133	12-29	To S&A	Reqst shipmt of App from Washn to Hamp Rds 5702 W RB 2-10
537134	12-29	To S&A	Reqst shipmt of app from Hamp Rds to CO 5703 W.

Number.	Date.	From or To—	Subject.
461			
515161	FROM CARD 180		Inspr GE- Subm report. 12/17 W
	GE- in re shipment 7/1		GE Co. 12/22 W.
	Inspr GE-7-7-W		Inspr GE 12/23 W.
	Inspr GE- 8/18- Rqst shipt instrns.W		To GE Co 12-29 cc Inspr GE.
			To G.E. Co 1-13-21
TO 277	To Inspr GE- 8/22 copy Wash		GE Co. 1/20 W
	To Inspr GE- Reqst status of instruments 10/7		GE C .- Copy of action to Washn. 2/28 W
	Inspr GE-10/25 W.		To G E Co Gives instrns cc Inspr Elec -Ge-
	To Inspr GE- Reqst inform rel equipment 11/17		SC Washn 3/26
	Inser GE- Cannot give del date		Inspr GE 4/14 W.
	of return of loaned equipt. 12/21 W		To S&A Gies inform re tubes 4/25
	To Inspr mat GE - reqsts return of material 2/28		GE Co-have placed order with Western Elec Co for vacuum tubes. 4;27)W
			To GE Co 6/24
			To Inspr GE 6-24
535855	12-21	To S&A	Reqst shipmt of radio appr from Airc Fac to Phila W
535856	12-21	To S&A	Reqst shipmt of radio a pr from Washn to to Phila W RB 5/28 W.
535380	12/18	To S&A	Reqst shipmt of airc radio phone trans 5619
	To BURNS 2-19 copy San Diego		and re c equipments from GE to San Diego W RB 3/21 W
	CO BURNS ? W.		
	Pacf Flt-Fwds report on Pacf Shiplane. 3/25W To San Diego 1-13		
535397	12/21	To S&A	Reqst shipmt from Hamp Rds to Phila Airc Fac W RB 3/16/21
535383	12-21	To S&A	Reqst shipmt of radio trans eq ipmts from GE to Coco Solo W
535381	12-21	To S&A	REqst shipmt of airc radio trans from GE to Pensacola W RB 6/11 W
535384	12-21	To S&A	Reqst shipmt of airc radio trans equipments from GE to Rockaway Beadh W RB 6/3 W
535385	12-21	To S&A	Reqst shipmt of airc radio trnn equipments from GE to Ha mp Rds W

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AIRPLANES 1920

Number.	Date.	From or To—	Subject.
534338	12-14	To S&A	Reqst shipmt of 50 vacuum tubes from FSB to BRIDGE W
534944 see 918-1			
534933	12-14	To S&A	Reqst shipmt of battery charging unit from Hamp Rds to BRIDGE W
534809	12-16	To Dept of Commerce	Reqst authorize representatives of Radio lab Anacotia to use machine shop of Bur Standards. W To CO Anacostia 1/5/21 Dept of Commerce- 12/28 W
534815	12-16	To Airc Facty Phila via Comdt	Additional radio material to be shipt with type se 1310 trans equipment installations W
534333	12-13	To S&A	Reqst shipmt of transformers from Airc Facty Phila to Washn Yard W Aircrft Facty- Rqst shipt order 12/13 be cancelled 12/23 W. Canc of 1/3/21 (5720)
534819	12-16	To S&A	Reqst shipmt of radio apparatus from Washn to Phila W
534820 TO CARD 192 515878	12-16	To S&A To S&A- Delco gen 12/17 To Phila 1-6 Aircrft Facty- 12/31 W Aircrft Facty- 1/4 W. from 184 Fwd Dept 4/12 Fwd Boston To Secty Reqst auth appointment of F.B. Monar 6/13	Reqst shipmt of radio apparatus from Airc Facty Phila to SO Phila for Marine Corps Avia Shipt 1 W To Phila AF 1-10 To S&A shipt of radio compass from Norf to Phila 12/16 RB 2-2 To Phila- T rel radio laboratorian Ellis to Anacostia. action indef postponed 12/15 Phila- Confirms telephone conversation in conn with transfer to radio Labr. W. G. Ellis to Anacostia. 12/15 W To Dept Gives recomdn 3/26 Phila- Recommends W. G. Elias radio Labr Phila. be transferred to Anacostia. 4/6 635-3. Boston- W. B. Burgess-rqst inform rel to leave status. 4/6 W 635-2

AIRPLANES 1920

Number.	Date.	From or To—	Subject.	
535097	12/14	War Dept	Ask if Navy can furn article on radio air crft by T. Johnson Jr. W.	
535142	12/14 12/15	Aircrft facty Phila.	Request shipt orders be issued cov dry batteries to SHAWMUT. W. Shipt from AF Phila to CO 12/17 RB 2-10-21	
534824	12-17	To S&A	Reqst shipmt of batteries from Norfolk to CO SHAWMUT W RB 2-10	
534825 S&A 1/28	12-17 W.	To S&A	Reqst shipmt of radio trans set from AF Phila to Annapolis W RB 1/4/21 To Airc Fac via S&A reqst expedite 1/10 copy Phi and Annapolis Nav. Academy- 1/7 W.	
535476	12/16	Aircrft Facty	Fwds photos showing radio instln on F-5 planes . W.	
535494	12/16 Aircrft Facty- Request action 1/15 To Phila 1-19 To Phila 3-14	Aircrft Facty	Radio generator bracket on NC-9 and NC-10-fwds orders. W. fwd Anacoa 12/21 RB 1-14 Aircrft Facty- Recommends eliminate type SE 1340 transmitter. 12/23 W	
535582	12-18	To S&A	Reqst shipmt of radio equipments from GE to San Diego W	
535787	12/17	Aircrft Facty	Calibration of radio compass for shipt to Guam- Recommends party who is to operate same be given instrns cov. W. To Anacostia ~~Reqst--ser-~~ Gives instrns 12-23	

AIRPLANES: 1920

Number.	Date.	From or To—	Subject.	
531591	12-1	To S&A	Reqst shipmt of vacuum tubes from Washington to CO SHAWMUT W RB 2-10-21	
531587	12-1	To Anacostia	Reqst development of radio problem 99 covering scouting plane emergency trans.	W
531588	12-1	To Phila	Authn for instaln radio equipment on Fl et seaplane type F-5- Confirmation of phone conversation W	
531926	11/26	CO	Recommends spare parts listed to be used in conn with repairs to radio on aircraft carried on board. W	324-6
532490	12/2	Aircrft Facty	Fwds wiring diagrams of radio instln on board R-5- Ref VE -7. W. fwd Anacos 12/6 RB 12/16 with drawings. W	
532358	12-6	To S&A	Reqst shipmt of radio transmitting equipmts from GE Co to Howden Yorkshire England W S&A- Copy of Action to GE Co. 3/12 W	RB 4/25 W
532991	12/4	Hammond Labr	Fwds patent application showing proposed method of control of aircrft by radio. W To JH Hammond 12/17	696
532366	12-7	To Phila	Omission of radio material form standard equipments- authoirty granted W	
5068	12/2	San Diego	Reqst auth install radio trans equipment in dirigible B-18-S W	629
532103	12/1	To S&A	Reqst shipmt of radio from Phila AF to CO SHAWMUT W 5382 RB 2-10	

[OVER.]

AIRPLANES

Number.	Date.	From or To—	Subject.
533359	12/7	C&R	Copy of letter to Inspr Calludet in conn with radio and Ordn instln on D-11 seaplanes. W
533265	12-7	To S&A	Reqst shipmt of vacuum tubes from A.F. Phila to Yorkshire England W RB 4/5 W.
533269	12-7	To S&A	Reqst shipmt of airc radio trans from GE Co to Anacostia W RB 4/15 W. To Inspr GE, reqst status 2-25-21 Inspr GE 2/28 W.
532368	12-7	To S&A	Reqst shipmt of gen assembly from AF Phila to Garden City W 5445 Shipt from Garden City to Phila AF 12/7 5441 RB 1/11/21
533266	12-7	To S&A	Reqst shipmt of trans from Union Iron Works to AF Phila W
533267	12-8	To S&A	Reqst shipmt of trans from Union Beth SB Corpn to Phila W RB ~~12-~~ 1-27-21
533269	12-9	To Anacostia	Instructions rel instaln of airc radio trans equipment type SE 1370 for flying boat type F-5-L To Inspr GE 2/25 RB 3/28 W.
533795	12;7	DesLauriers Column Mould Co	Submits information re new wind tunnel which company has under construction W
534133	12/9	Dept	Copy of letter to Dists. giving instrns rel to aircrft communications. W.

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AIRPLANES

Number.	Date.	From or To—	Subject.	
529983	11/15	C&R	Approves radio direction finding instln on Goodyear drawing for D-5 airship. W. fwd Ixxxx Akron 11/20 Akron-proposed cage for wireless instaln in D-5 car-fwds prints-11:24-W	
530049	11/19	Des Lauries Column Mould Co	Subm quotation covering air fans.	W.
Z- 17	11/13	Fwd Anacostia	RB 11/19 returning print showing radio generating mounting with comments on.	736-8
530141	11/17	Phila.	ASk if wire and cable and lugs for arc sets are still needed. W. To Phila 12/2	
529498	11-18	To S&A	Reqst shipmt of gen assembly w propeller from AF Phila to Garden City W RB 12/4 W	
529499	11-19	To S&A	Reqst shpmt of gen mount and mounting board from Anacostia to E. Greenwich W RB 12/10 W	
529853 SEE CARD 187	11-23	To Comdt Phila	Instaln on flying boats type F-5-L mounting of radio gen unit type CG 111 Auth granted W	
530924	11/23	Ham. Rds. Copy	H-16 3487 will leave for Rockaway carrying wave length 375 meters. W.	
530925 CANCELLED- see 47361- 629	11/22	American R/R Corpn	1st airplane test set shipt; 3 more ready. W.	
530405	11-24	To S&A	Reqst shipmt of trans eq ip from Schenectady to Hamp Rds W 5301 RB 2/12/21	

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Number.	Date.	From or To—	Subject.	
530403	11-24	To S&A	Reqst shipmt of airc radio phone equipments fr m GE to Brooklyn RB 4;9 To Fl et Base 12/14 To Insp GE 12/8	
#209		Insp pr GE- Ask if GE or bureau will furn special messenger cov radio equipt to be delivered. 12/3 W		
530407	11-24	To S&A	Reqst shipmt of trans equipment from GE to Coco So/o W	
530406	11-24	To S&A	Reqst shipmt of trans equipment from GE to Pensacola W RB 1-28 S&A- Copy of action to GE Co. 2/16	W.
530413	11-24	To S&A	Reqst shipmt of switches from Washn to Airc Fac Phila W RB 1/4/21	
531145	11-27	To Phila	Radio Eqpt; Reqst neccy mat be drawn from store to equip gen assemblies and mod variometers W	
528263	11/12	To Anacostia	Assignment of radio research problem- antennas for trans signals on number of wave lenghhs. W	875
531720	11/29	Atl. Fleet Copy	Mail list for ship planes division for Cuba expedition approved. W.	
531840	11/29	War Dept 72 1-1	Request nomenclature list of radio equipt as used by Navy, be furn. W.	
532103	12-1	To S&A	Reqst shipmt of radio from Airc Fac Phila to CO SHAWMUT W	
532105	12-2	To S&A	Reqst shipmt from CO SHAWMUT to Airc Facty Phila W RB 12/22	
531590	12/1	To S&A	Reqst shipmt of vacuum tubes from Washn to Airc Fac Phila W RB 1/4/21	

AIRPLANES

Number.	Date.	From or To—	Subject.
488750	from card 168		Recruiting station, Providence. Radio equipt shipt to Station from Which it was received. 11/16 W.
FWD TO CARD 277			To S&A 11-19
			Aviation 10/26/22 W
			To S&A- rel status of mat loaned to Recruiting officer cc Aeronautics 11/1
			Porperty Acct Office 11/14 Rqsts disposition of material shipped to recruiting Station Minneapolis W
			To Mgr Phila via Comdt- Reqsts inform rel radio mat cc S&A 11/24
			Air Craft Factory 12/5/22 W
			Phila 12/6 W
			To Navign- Reqsts Inform rel material cc S&A 12/12
			Property Act. Office 3/3- Rqsts action W
			Navign 3/8 Copy action W
			Fwds S&A - status of mat cc Navign 3/9/23
			Fwds Navign- 3/17/23
			Prop Act Office 4/12 Rqsts action W
528884	11/11	Anacostia	Test of type SE 1442 -4 aircrft send-receive switch. Fwds. W.
528828	11-13	To S&A	Reqst shipmt of storage batteries from Wash to Phila Airc Facty W RB 12/22
528259	11-12	To S&A	Reqst shipmt of radio gen propeller from Air Facty to Anacostia W RB 11/19 W.
528258	11/11	To S&A	Request shipt of 100 emergency batteries from Washington to Aircrft Facty Phila. W. RB 12/6 W
528835	11-13	To Paris France Tel	Regg info shipt emergency balloon antenna equipment for seaplanes what is chemical used in generator W.
			Nav. Attache, Paris- Copy- No orders for kite and balloon apparatus placed. 12/1 W.
			To Intel. rel purchase of antenna 12/6

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AIRPLANES

Number.	Date.	From or To—	Subject.
528846	11-16	To Comdt Phila	Auth granted to withdraw from store, trans equipment for use in conn with standard instaln in airc. W. To Airc Fac 6-24
	11-8	War Dept	
528952	11-16	To Secty War	Cannot grant reqst for purchase of radio transmitter. W
529231	10/28	Airshipt Detch. England 736-3	Subm report on radio telegraph installed in rigid airships; recommends 500 Watt spark transmitter be installed on R-38 W. To CO -rel action taken 11-17 Europ Forces- Copy- W.
529311	11/12	Alusna	CO DYER reports British type of spark transm not satisf. Recommends SE type 1810 W.
~~529586~~	~~11-17~~	~~Tech Bureau~~ ~~Expr Rx~~	~~Returns drawings~~ and descriptive matter ~~in conn~~ with screw turbines.- Cannot consider ~~until has passed~~ expr stage D
528008	11-17	To Phila	Fwds drawing in conn with modifications in wiring of type SE 1442 A send-receive switch. W
	To Phila Instln appvd 12-23		Aircrft Facty-Fwds drawing of send rec switch 12/2 W Fwd Anacostia E-17 RB 12/21
529358	11-17	To Mitchell Field	Instaln of spotting radio sets on shipplanes of Atlantic Fleet. W RB-11;26-W
529611	11/15	Anacostia	~~Subm report on conference between Lt. C. D.~~ Palmer and manufacturers in conn with instln of radio apprs on D-9 and D-11 seaplanes. W
529853	11/15	Aircrft Facty	Request authority tomanufacture wing fittings for mounting of radio generator units. W.
5	11/16	Phila.	To Ph auth granted 11/25 Intelligence 11/22 W

Number.	Date.	From or To—	Subject.	
527352	11/3	Anacostia	Fwds request of L. A. Gebhard for patent covering wave changing device; fwds photos and prints. W.	
523709	from card 184		To Inspr Brook and Sup Cons Airc NY (orig 10/30) Joint: radio instaln on airplane type EM To Inspr Brook 11-23	11/5
51249	11/3	To C&R Chief of Nav Operations	Provision for Radio Installation Type Seaplanes. WS	629
528087	11/4 11/8	Anacostia Labr. Dept	Fwds beneficial suggestions from L. A. Gebhard covering wave changing device for aircrft radio spark transmitter. W. fwd Secty 12/21 RB 12/28. W	
528045	11/6	Westinghouse E/M Co.	Ask if Navy as 6 airplane sets available for sale. W. fw S&A 11/10 S&A- Copy of action to Westinghouse E/M Co. 12/7	
528124	11/6 11/8	Aircrft Facty Phila.	Fwds prints showing bracket to be used in mounting of radio generators in propeller slip stream, on E-5 boats. W. fwd CO Anacostia 11/10 RB 11/19 W. To Phila Plans disapprvd 11-27	

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Number.	Date.	From or To—	Subject.
513993		FROM CARD 179	Aircrft Facty -Rqat amend shipt order. 11/8 W To- amendments of shipt order 11/10 Aircrft Facty- Request copy of shipt order 9/21. 11/26-W. To Phila AF. fwds copy of ship reqst 12/2 Aircrft Facty- Rqst action 12/15 W To O-I-C Phila Fwds cc shipmt reqst 12-23
527615	11-9	To Phila	Authority granted to withdraw from store material for instaln on NC-9 and NC-10 W
527619	11-9	To S&A	Reqst shipmt of dummy models of radio equip from Anacostia to Akron RB 12/2 W W
515165	11-9	To Dr. Chaffee T	Lt. Palmer arrives Cambridge Wednesday 10th connection design problem 109- W
527620	11-10	To S&A	Reqst shipmt of amplifer from Washington to Anacostia W RB 11/13 W. Canc of 11/12
528250	11-10	To Anacostia	Assignment of problem 95- coverng landing field indicator audio frequency system. W To Anacostia 11/16 Anacostia- Fwds paper on localized signalling system for airplane landing. 12/13 W
528817	11/11	Hammond Labr.	Ask if have ever used remote control for starting GE dynamotors. W. To Hammond Rd Lab 11-19 To Hammond Lab 1-18-21

AIRPLANES

Number.	Date.	From or To—	Subject.
525026	10/18	San Diego	Fwds beneficial suggestions by G. T. Brier covering engine driven radio airdrft generator for communication in flight and on water.c 2882-3. W. Fwd Anacostia- 10/27 W. RB 11/3 W. Fwd Secty 11/8 RB 11/12 W.
519488		SEE CARD 182	To Benj Elec Mfg Co-- (T) Ask if can make partial del inside 60 days W.
524427	10-23	To S&A	Reqst shipmt of trans from CO to Phila 5000 W. RB 12/22
525724	10/29	To S&A	Rqst shipt of helmets from Anacostia to Aircrft Facty Phila. WRB 11/23 W To Phila. 11/1 W.
525728	10/30	To Inspr Brook. 632	Rel detail of Lt. Palmer to works of Deslauriers Column Mould Co. to witness tests of arrc radio gen propeller. W. Inspr Brook- Fwds reports of material shipt- also contractors invoice. 2/1 W Fwd Navy Disb Off 3/1
526374	10/29	Naval War College	Request complete data including photos of aircrft radio communications. W. To War College 11/3
526436	11/2	To S&S	Request shipt of Bakel ite tubing from FSB to Aircft Facty Phila. cane of shipt order 11/10 (5109) W.

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AIRPLANES

Number.	Date.	From or To—	Subject.
526432	11/3	To Pensacola	Fwds five copies of drawings. W.
526441	11/2	To S&A	Rqst shipt of radio outfit from Mitchell Field to Anacostia W. RB 12/7 W
526437	11/3	To Pensacola Air Sta	Fwds copies of drawings for instrn purposes. W.
526444	11/2	To S&A	Rqst shipt of modified variometer from Anacostia to Airc Facty Phila. W. RB 11/23 W
526998	11/1	L. A. Gebhard Rewrote	Subm complete description with photos and print of wave changing devices developed by himself. ~~Beneficial Suggsn.~~ W.
527041	11/2	Anacostia	Subm comments on re-radiation of signals. W To Nav observatory- Fwds copy letter 11/6
526448	11-3	To S&A	Reqst shipmt of radio material from Airc Factory Phila to Anacostia W RB 12/8 W. Aircrft facty 12/10 W Canc of 12/17
527250	11/2	Rockaway	Report on radio instln in F-5 flying boat 3598. W.

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
523333	10/13	Anacostia	Listing field indicator- fwds curve with report on. W.	
523351	10/11 10/15	Aircrft Facty Phila.	Radio intln on F-5 flying boat 3596- subm report on, with photos. W. Fwd Rockaway- 10/28	
523373	10/14 10/15	American Mechanical Imprvt Co. S&A	Calls attn to constant speed fan for use in operating generators for radio equipt on aircrft. W.	
523811	10/16	Magnavox Co. (T)	Ask if possible to purchase helmets from Navy for Magnavox aircrft inter-communicating telephone sets. W.	
878 515818	10/13	190 CARD To Comdt 4th Dist	Civilian radio personnel complement of 4th Dist. recommends changes WK	
CD. To Phila - rel trf of Mr. Ellis 11/5 190 Phila. 11/15	4th Dist 10/30 W.		Phila.- Recommendations covering changes in Civilian personnel. 10/22 W. Radio personnel	
522872	10/14	To Anacostia	Fwds copy of action C&R	
523155	10-15	To Inspr NY& Pitts Joint:	Installations- radio- bonding for. fwd specfns.	A
523332	10-11	Anacostia	Fwds photos showing long wave receiving loop and control for loop with report on	W 922

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
524305	10/16	Anacostia	Report on test of air craft send-receive switch on F-5 seaplanes 3788. W.	
524422	10/16 10/18	Aircrft Facty Phila.	Request shipt orders be issued covering return of radio apprs shipt to Ham.Rds. for F-5 flying boats. W.	
524669	10/21	Anacostia	Report on test of modified type of variometer. W. To Phila- 10/27 W	
524695	10/15	Anacostia	Design Problem 83-B - report on investigation of possibility of changing wave lengths on aircrft Radio spark transmitters. W. To CO work cons as comp 10-25	
523720	10-22	To S&A	Reqst shipmt of change over switches from Airc Facty Phila to Pac Fleet RB-4;30-W	W
523719	10-22	To S&A	Reqst shipmt of switches from Phila Airc Facty to Shawmut	W
523709	10-19	To Inspr Brook	Rel detail of Lt. Palmer to works of Lewis Vought Corpn. for purpose of making plans for radio installation on VE-7 type ships' airplanes now building. W	(orig 10/20)
Anacostia: submits instructions rel to installation of radio equipment on board Vought planes; 10-25; W			To C&R- Inspr Brook and Sup Cons Airc NY Joint. confirmation of conference 11/1	
186 10/28	To Inspr Brook W	Rqsting changes be made. Inspr Brookn-11;24-W	Problem 37A and 63 A completed W	
523722	10-22	To Anacostia		

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[OVER.]

Number.	Date.	From or To—	Subject.	
516564	FROM	CARD 180	Phila- Fwds prints showing variometer. W. 10/6. fwd Anacostia 10/9 RB 10/14 W.	
521599	10/6	Anacostia 736-5	Subm specifications for radio generator propellers to be used on aircraft. W.	
521812	10/7 10/8	Aircrft Facty Phila.	Request authority for re-instln of radio apprs on F-5 boat 3596. W.	
522220	10-13	To Rockaway	Instructions rel use of antenna change over switch, instaln on type F 5 L seaplane 3596 To Atl Fleet instructions 10/12 To Atl Fleet 10/12	
522106	10/7	Atlantic Fleet Copy	Cannot send airplanes to Phila. for radio transmitters. W.	
522229	10/13	To S&A	Reqst shipt of bakelite from Fleet Baset to Airc Facty Phila RB 12/6 W.	

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
522204	9/30	Airship Detch. England	Report on multi-wave amplifier. W. fwd Bur Stds 10/16 Bur Stand. Labb. Comments on report. 10/22 W
522548	10/11 CANCELLED.	Lt.Cdr.R.N.Hinkley	Report covering weekly aviation conference held nothing of interest to Bur.
522594	?		Pamphlet on aircrft position of direction findings by Wireless. W.
523191	10/14	Dept 729	Copy of letter to C&R stating allowable gross weight of CT and ST airplanes is not to be exceeded. W.
523330	10/13	Anacostia	Fwds report of work in conn with calibration of radio compasses on board aircrft of Atl. Fleet Air Detch. W. Fwd 4th Dist 10-16; RB 10-28; W
523331 S. F. Perkins-5/19-Calls attn to use of kites for lifting radio wires on seaplanes when plane is disabled on surface of water. W. Aircrft Facty-5/21 W. To S. F. Perkins Co 5-25	10/13	Anacostia Copy action to Anacostia	Fwds letter from S. F. Perkins in conn with use of kite for carrying emergency radio antenna for communications from stranded seaplanes. W. fwd C&R 10/18 C&R- Copy of action to Anacostia. 11/2 W. C&R- Ask if shall develop kite balloon of about 350 cubic feet volumn. W. To C&R 11-18

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[OVER.]

AIRPLANES RADIO 1920

Number.	Date.	From or To—	Subject.
519472	9-29	To S&A	Reqst shipmt of mat from Bu Standards to CO Phila 4562 W. ; RB 10-29;W
520008	9/25 9/28	Aircrft Facty Phila.	Request inform rel to change ocver switches radio instln on F-5 boats. W.
519964	9/28	Anacostia	Fwds report on conditions rel to radio instln, observed in Type D 11 D-9, by Lt. Palmer. W. fwd C&R 9/30 RB 10/12 W.
520250	9/29	Akron	Copy of letter to C&R fwding print showing proposed cage for wireless instln on air ship D-6 W.
520292	10-2	To Operations	Shipmt of airc radio material to Atlantic Fleet Air Force W
519468 8	9-28	To J.J.Rayspis Benjamin Elec Mfg Co T.	Expedite shipt high pitched buzzers invoice 45408 period urgently needed W To Washn rel problem 114 9/30
		Benjamin Elec Mfg. Co. - High pitched signals shipt 10/7 - 10/21 W.	Benj. Elec. Co. 9/29 W.
		To Benjamin Elec T 10/20	To J.J.Rayspis Benjamin Elec (T) 10/8
Benj.Elec.Co.(T) Subm quotation on buzzers. 10/22 W			
519469	9-28p	To Atl Flt Shipplane Divn Mineola	Reqst report of material W
266 520366	9/30	Anacostia	Rel ranges of aircrft wave lengths; report covering. W. fwd Washn 10/4 RB 12/1 W.

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
520298	10-4	To London	Radio equipment on R-38- W To Howden Yorkshire T rel vacuum tubes trans equipment 10/30 European Forces; (copy) installation of vacuum tube transmitting set impracticable; 10-29; W Nav. Intelligence- 11/22 W.	
520657	9/17	Airship Detch, Eng.	Radio telegraph - method of communication used by R.A.F. in conn with aircrft - comments on. W.	
520855	10-6	To Director Navl Intl Aviation	British aircraft radio apparatus concerning purchase of	W
521068	10/5	Dept	Copy of telegram to Atlantic Fleet asking if can send a plane to Aircrft Facty to obtain transmitting equipt. W.	
521210	10-7	To Hamp Rds	Radio equipment for Martin Torpedo plane. W To Hamp Rds 1-18 RB-4; 30-W	
521253	10/2 10/4	Aircrft Facty Phila.	Fwds sample of tubing for variometer. W.	

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918 AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
517868	9-17	Deslauriers Mold Co	Request order covering development work; W	
517216	9-21	To S&A	Reqst shipmt of radio apparatus from Phila Airc Facty to Birmingham, Ala. W To S&A Reqst Action 10/26/21 RB 10/31 W Fwd S&A 11/2	
518136	9/18	C&R	Radio equipt for towing air ship. W. To C&R 9/22	
518379	9/20	Washn.	Request instrn book for aircrft radio transmitter. W.	
518016	9-22	To CO's Stations Flts	Radio tele avia trans equipments type SE 1310 failure of power transformers. Reqst comments W Anacostia; 9-24; W Rockaway 9/24 W. Ham.Rds. 9/26 W. Atlantic Air Force; 10-28; W Atlantic Air Force. 11/12 W.	
518725	9/22	Florida, West Indies Airway	Request opportunity to buy radio sets. W. Fwd S&A. 9-29 To 9/28	

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[OVER.]

Number.	Date.	From or To—	Subject.	
518424	9-23	To Inspr Brooklyn	Radio installn on airc types D-11 and D-9 now building at works of Gallaudet Airc Corpn. W copy Lt Palmer Anacostia.	
518422	9-23	To Director Nav Intl	Automatic wireless sender new airplane equipment. Reqst info in re to article in "Popular Mechanics" of July 1920 concerning same W Nav. Intelligence 12/20 W.	
	Nav. Intelligence-Fwds letter from Nav. Attache Lond. with prints and report rel to automatic assembly- 174 W. Fwd CO Anacostia 1-8 RB 1-15 To Intelligence 1-18-21			
518696	9/23?	To Airc Facty N.Y. Insprs Aircraft. Joint	Pilot letter- installations- radio- bonding for Fwds specfns, applying to machines listed. A	
95			Inspr Brook- Recommendations 10/12 W. To C&R- suggestions rel designation of 11-11 C&R; Copy of action to Inspr Garden City. 11/23 W	
518015	9-22	To Anacostia	Avia- design problem 112 covering design of radio trans and rec set for towing airship Makes assignment as class A. W	
	C&R- Weights satisf. 10/13 W. To CO Ask to inform when work comp 10-16		Anacostia- Gives weights and dimensions of transmitting and receiving equipt. 9/29 W To C&R 10/5	
51068	9/23	C&R	Copy of instructions for installation of radio; W	629
519627	9/27	Magnavox Co. (T)	Request authority to purchase 100 old style helmets. W. To S&A 9/30	
519809	9/29	Anacostia	Copy of telephone conversation in conn with sending H-16 seaplane 4073 to Norf. for radio test. W.	
519468	9-29	To CO's	Gives list of std types of rad eqpts to be instld	
	Ham. Rds/- 2/17 W	in	Std types of aircraft W. cc Opernsw. To CO Hamp Rds 2-12-21	

Number.	Date.	From or To—	Subject.	
515824	9-10	To CO's Air Stations Fleets	Removal of radio material to Naval airc Facty Instructions.	W
516404	9/10	San Diego (T)	Dirigible radio transmitters held up awaiting arrival of certain part. W. To San Diego(T) 9/11	
516514	9/4	Magnavox Co.	Airplane micraphones;will send sample for test. W.	
516616	9/10	C&R	Fwds book from McCook field on radio airplane control/ W.	
516759 see other side card.	9/7	San Diego Air Sta.	Request transformers. W.	
516943	9-13	C & R	Purchase of minature kite balloon for elevation of antenna wire will be held up pending Comdr H. Pope's report; S	
516564	9-15	To Phila	Radio tele avia trans equipments type SE 1610 variometers for. Reqst drawings.	W
TO CARD 183		Aircrft Facty- Drawings are being prepared. 9/18 W. Magnavox Co.- Fwds contracts for execution. 9/24 W	Aircrft Facty- Will fwd plan when completed. 9/18 W	
516563	9-15	To Phila	Radio equipment for type MBT planes. Reqst spec be fwded W	
515165 see card 186				

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AIRPLANES RDIO

Number.	Date.	From or To—	Subject.
516544	9-14	To Inspr Union	Contract 51735 reqstn 64 with Magnavox Co covering 500 microphone transmitters. Reqst action. W
Magnavox Co; memo bill covering airplane microphone; 9-20; W			Magnavox Co.- Fwds sample. 9/16 W.
Inspr Union- Fwds letter from Magnavox stating cost of new micraphone will be same as called for on contract. 9/25 W			Anacostia- Reports on test of magnavox micraphone fitted with push button. 9/24. W.
cancelled 51736-69 629 517216	9-14	Aircraft Factory	Request radio material be issued to navy balloon A-5860; W
Fwd S&A 1/11/22			S&A- Ask if Bureau desires material retd to aircrft facty. 1/7/22 W
517028	9-16	To S&A	Reqst shipmt of vacuum tubes from Washn to Phila Airc Fac W RB 10/9 W.
517037	9-16	To S&A	Reqst shipmt of propellers from Anacostia to Phila Airc Factory W RB 10/9 W.
516759 see other side card	9-17	To S&A	Reqst shipmt of trans sets from Airc Fac Phila to San Diego W RB 1-25-21
517426	9-17	To S&A	Reqst shipmt of receivers from Washington to Mitchell Field W RB 11/30 W.
517427	9-17	To S&A	Reqst shipmt of recs ampl comp coils from Washington to Phila AF. W RB 11/9 W.
515161	9-17	To GE Co	Fwds list of Bur shipt orders covering radio material shipt as temporary loan to GE Co. This material has not been returned. Reqst action. copy Washn Inspr GE W
TO CARD 191	GE Co.- Will make reply via Inspr. 9/29 W.	To GE Co 12/21	To Inspr GE 11-24
	Inspr GE- 10/1 W.	Inspr GE 12/15 W.	
517575	9-20	To Anacostia	Reqst radio equipment be placed on planes at stations cc Operations W

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[OVER.]

AIRPLANES RADIO 1920

Number.	Date.	From or To—	Subject.
993 513983 TO CARD 186	8/24 Shipt order frm Phila to Washn. 9/21 RB 10/20 W. Aircraft Factory; 10-28; W To Phila 11/2	Aircrft Facty	Request 12 frequency and 12 audio frequency transformers be shipt. W. Fwd Washn. 9/4; RB 9-17; W To S&A. Reqst shipmt of Apparatus from Washn to Phila 4266 9-4 RB 2-26-21
513620	8-30	To Sanda	Shipment of radio gen and propellers from Anacostia to GE Co W
513618	8-30	To Sanda	Shipt from Washn to Airc Fac storage batteries W RB 10/9 W.
514183	8/25	Anacostia	Reports on test of Callaphone throat microphone. W. To Callophone Co. fwds copy of report. 8/31
513619	8-30	To S&A	Reqst shipmt from Washn to Navl Detachment Yorkshire England W S&A- Copy of action to Nav. Supply Depot, Brook. 11/17 W. S&A-11;30-W. S&A-12;22-W
514427	9-1 Canc of shipt reqst 11/10(5110)	To S&A	Reqst shipmt from FSB to Phila Airc radio apparatus W To S&A 10/9/20 Aircraft Factory; 10-28; W To Phila 11/6
481493	FROM CARD 166 To San Diego 5-25-21 To Airc Fac 6-3 Aircrt Facty-Rqst authority to modify generators. 8/10 W. To Airc Fact 8/13 W.		Rockaway 8/26 W. San Diego- Request bakelite tubing, 9/4 W SHAWMUT 9/8 W. To Atlantic Fleet. 9/16 To Pensacola 9/30 Pensacola - Request authority to continue use of 425 meters for training purposes.10/14 W Pacific Air Det; 10-21; W Shipt from Airc Fac Phila to San Diego 11-17 RB 5/16 Shipt order from San Diego to Phila AF 11/17 RB 10/5 To Anacostia 2-18 Anacostia- Fwds photos of redesigned transmitter. 3/5 W San Diego- Material recd. 5/16 W.

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
514749	8/27	Aircrft Facty	Request authority to install radio on 36 flying boats. W. To Phila 9/2	F-5-L
514750	8/27	Aircrft Facty.	Request authority to install radio apprs on 4 F-5-L boats; also supply spares. W. To Phila auth granted 9/2	
514881	9-3	To S&A	Reqst shipt from Airc Factory Phila to Deslauries Column Mould Co Jersey City. W	
515152	9-3	To GE Co	Acknow memo brfs shipt. covering instruments taken as baggage by W/O Henssgen of Co in conn with test of airc gen under cognizance of Bur. W	
515786	8/31	AR OSTOOK	Ask when medium power air craft radio telephones will be issued. W. 902. To Pac Fleet- rel issue of telephones. 9/9	
515157	9-4	To S&A	Reqst shipmt of Apparatus from Washn to Phila 4264 W. RB 9/25 W.	
515159	9-4	To S&A	Reqst shipmt of apparatus from Washn to Phila 4265 W. RB 9/25 W.	
515822	9-8	To Anacostia	Radio telegraph- radio research problem 53-B- work completed covering. Reqst further work under problem 62 B landing field indicator W	
508292	7-31	To Anacostia	Aviation Junker type all metal pland radio equipment for instaln reqst W C&R copy action to Anacostia 8/7	896
515818 see		164		

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
510890	8/10	McCook Field	Report on auxiliary control for use in conn with airplane and radio telephone set. W. To Sec. acknow. 8/12 (confidential publication from McCook Field)
510441	8-12	To Chief of Operns C&R- Copy of action to Dept 10/7 W To C&R 10/13	MBT MT CT and ST seaplanes, radio equipment for. Reqst fwd decision in re to what range desired, weight to be allowed. W. RB 9-15; W fwd Operations 9-20 C&R 10/7 W.
511018	8-13	To S&A	Reqst shipmt of radio appr from Washn to AFPhila W RB 9/4 W
511025	8-14	To CO's	Intercommunication telephone sets on aircraft microphones for- Reqst report covering W Rockaway- 8/23 W. San Diego 9/2 W. Pensacola- Never received. 9/3 W
511029	8-16	To S&A	Reqst shipmt from Airc Facty Phila to Garden City L.I. W RB 11/30 W Mitchel Field Material received. 9/17 W.
511591	8-16	To Phila	Radio telegraph aviation instaln of radio equipmt on VE-7 airplanes. W
511590	8-16	To S&A	Reqst shipmt from Washington to Boston radio appr. W RB 9/20 W. To Boston- Ask if mat served purpose 10/7/21 Boston 11/1 W To Boston- shipment of mat/ 12/12
511589	8-17	To S&A	Reqst shipmt from Airc Facty to Boston vacu tubes W serial 4003 RB 9/20 W. To S&A reqst status 9-25 To S&A 10/21 RB 6/24 fwd Boston viaS&A 5/28/21
511589	8-16	To S&A	Reqst shipmt from Chicago to Boston dynamotors serial 4002 RB 11/19 W Inspr GE- 5/25 W.
511587 to card 198	8-16	To S&A	Reqst shipmt from GE to Boston serial 4001 RB 10/23 W To S&A- reqst status 9-25/20

Harvard University- Ask when motor generators will be shipt. 10/20 W. To H Univ- Gives action taken 10-25 Boston 5/18 W

To Boston 2-25-21 RB 3-5 To Inspr Ge- Gives inform re dynamotors 3/10 to inspr ge co fwds eng let 3/10 3/24/21

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
512016	8-18	To Paris Naval Attache (For Comdr Hooper)	(T). Advise in re to Hammond airc battleship spotting sets. W Hooper-Copy- recommends purchase 2 addtl sets.8/23 W	
512018	8-19	To S&A	Reqst shipmt of radio appr from Washington to Airc Fac Phila W RB 8/30 W.	
512017	8-18	To S&A	Reqst shipmt from Hamp Rds to Phila Airc Factory radio receivers W RB 11/23,W To S&A reqst status 9-28 To S&A 10/21	
512707	8/18	Mitchell Field	Fwds report on radio communication test of aircraft. W.	
513084	8/19	Aircrft Facty	Radio instln, flying boat F-5-1-no compass nor telephone. W.	
513085	8/19	Aircrft Facty	Fwds prints of radio instln flying boat, Type NC-5 to 8. W. Fwd Anacostia 8/25 RB 9/9 W.	
513087v	8/18	Aircrft Facty	Request authority to install radio equipt in B-2-7 airplanes. (5) W. To Phila 8/25/20	
513086	8/19	Aircrft Facty	NC-7 and 8- radio apparatus for- request be furnished. W. To S&A Reqst shipmt of apparatus from Phila to CO 42 63	
513155	8-25	To Atl Fleet	Reqst report on radio equipmt installed in seaplane type F-5 L 3940 W. Shawmutt- Reports on. 9/8 W.	

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
509016	7/28	Pensacola	Summarized report on communications wibl be submitted upon completion of NS training. W
318197	8-4	SEE CARD 1 SEE 168-B	To Im NO Desires comments and recomdns be made on enc re to Radio Compass station located on Santa Rosa Island CC CD 8-4
	To CO San Diego detld action 8-4 Pensacola; 9-7; W	Reqst	Hampton Roads; 9-7; W
508670	8-3	To S&A	Reqst shipmt of apparatus from GE to SO Phila 3889 W.
	S&A- Request action/ 10/23 W. Shipt order canc 11/4		To S&A 9/25 To S&A 10/21
508671	8-3	To S&A	Reqst shipmt of apparatus from GE to SO Bu Standards 3890 W. To S&A 9/25 Shipt order canc 11/4
508672	8-3	To S&A	Reqst shipmt of apparatus from GE TO SO Washn 3891 W.
508673	8-3	To S&A	Reqst shipmt of apparatus from GE to SO Anacostia 3895 W. RB 12/13 W
	S&A- 10/4 W. Fwd S&A 10/7 RB 10/18 W		To S&A 8/25 10/23 W.
509759	To S&A 10/21 8-4	Anacostia	Fwds radio design problem #80 covering emergency transmission. W. To Anacostia. 8/6 Anacostia 8/9, Comments on. W.
509574	8-5 To C&R-	To A F Phila rel action taken 11-26	Reqst drawing of alternative instln CC Phila Asst IEM A F - C&R. DA. Aircft Facty- Fwds prints showing experimental radio instln on D-4 Seaplanes. 11/2 W.
509967	8/3	Nav. Intelligence	Fwds copy of article rel to wireless direction finding apparatus appearing in "Engineer". 919 W.

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
510066	7/19	Lt. Cdr. Conger.	Report on investigation of air craft communications at Rockaway and Mitchell Field. W.
510163	8/3	Anacostia	Report on test of radio equipt on Loening M-8-O seaplane. W.
509539	8/7	To S&A	Reqst shipmt of airc radio phone equipment from Brook to Airc Fac Phila serial 3939 W Amendment of 9/21 RB 12/6 W
509543	8/9	To Co's	S&A Reqst shipmt of app from Brook to Phila 8285 11-23 Std specfns for instln of radio n airc types H-16 and F-5-L Padfic Air Det; 10-21; W W
509538	8/7 To S&A reqst canc 1 11/23	To S&A	Reqst shipmt from Brook to Garden City radio phone equipment W serial 3938 RB 11/30 W Amend of 9/21/20 To Mitchell Field- rel shipt 9/23
509525	8/9	To S&A	Reqst shipmt of phones from Washn to Mitchell Field W
509526	8/9	To S&A	Reqst shipmt from Airc Phila to Mitchell Field radio appr. W RB 11/30 W.
509534	8/6	To Phila	Reqs radio equipment installed in F-5-L flying boat 3606 at Airc Factory be instaled in craft conformance std spec for this type of airc. W

AIRPLANES: RADIO

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Number.	Date.	From or To—	Subject.	
506363	7-21	To Y & D	Mast for Laboratory Anacostia. Shipmt from Boton-Reqst arrange make inspection and superintend erection of. copy CO Y&D- Request allotment of $500 to cover work. 9/9 W. fwd Y&D 9/13	W
506359	7-21	To Atl Flt Ship Plane Detachment Mitchell Field	Reqst advise quantity of equipment which could be installed and put in service in the Detachment. Reqst report. as to performance and suitability Mitchells Field- 7/27 W.	W
506679	7/21	Natl Advisory Com.	Fwds documents cov use of wireless telephone and telegraph with aircrft.	W.
507041	7/21	Anacostia	Subm recommendations rel to instln of radio apprs on R-38. W.	
507157	7/2[illegible]	Communications	Radio communication instrns for internatl yacht races. W.	
506955	7-24	To Naval Attache London	Radio telegraph R-38 radio equipment for.	W
506370	7-24	To H.Rds To Hamp Rds. 8/27 Ham. Rds. 12/1, W. To Hamp Rds 12/8	Reqst preparations be made for conduting radio tests and exprs with NC-2 upon arrival. W To Operations rel tests 7/24 copy ANACOSTIA Ham. Rds. 8/9 W. Ham. Rds. Ask if material requested in letter of 8/9 8/20 W	

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
504789	7-14	To S&A	Reqst shipmt of radio appr from AF Phila to Mitchell Field RB 11/30 W.	W
505016	7-14	To S&A	Reqst shipmt of propellers from Anacostia to Phila AF W RB 8/6 W.	
504788	7-14	To S&A	Reqst shipmt from Washn to Mitchell Field radio signal sets. RB 11/30 W.	W
505014	7-14	To Rockaway Beach via NY	Confirmation of phone conversation between Co Rockaway and Bureau concerning loan of airc radio material to N.Y. World. Authorizes. N.Y. 8/11 W Fwd Rockaway 8/13 RB 8/17 W	W
505248	7-15	To CO PENSACOLA via Communications	Reqst comments on Ships airplane spotting sets ready for issue to training bases for ship plane detachments.	W
505029	7-15	To Norfolk ERROR	Authorized projects in conn with radio	
505722	7-17	To S&A	Reqst shipmt of radio receivers from Anacostia to Phila Airc Factory W RB 8/13 W.	
506333	7/16	Anacostia	Use of secondary receiver condenser for aircrft radio compass- fwds photos with report W To Comdts CO's. use of secondary rec cond in conn with airc radio compass. 7-28	

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
502928	7/2	Rockaway (T)	Lists radio equipt installed on each F-5 seaplane. W
503154	7/3	C&R	D-6 airship- in conn with radio direction finder instln. W. fwd Akron 7/7 C&R9 Request action. 8/16 DA fwd Akron. 8/21/20 Copy back 8/26 W.
503274	7/2	CO OHIOA	Test of type SE1380 aircrft transmitter- report covering. W. c&R 7/3 Proposed direction finder instln of envelope using bevel gears- fwds prints. 919 7/3 W
502984	7-6	To Secty War	Radio telegraph- aviation Mitchell Field Mineola L.I. instaln of nagy radio equipment Reqst permissions to make instaln. W War Dept 7/28 W. To Sec Navy reqst auth for loan 8-6 RB 8/13 W fwd NY 8/26 RB 4/1/21 W N.Y. 12/17 W
501978	7-6	To GOLDSBOROUGH	Radio apparatus- Will be loaned temporarily for comm with airc when at Rockaway Beach. W To Rockaway Beach- rel material for instaln 8/6 To CO instructions rel disposition 7/22 CO GOLDSBORO 8/3 W. To NOTT. 9/10/20 RB 10/23 W
502161	7/2	To S&A	Reqst shipmt from AF Phila to Pac Fleet radio W RB-4:30-W
502429	7/2	To S&A	Reqst shipmt from San Diego to AF Phila radio W
502427	7/2	To S&A	Reqst shipmt from Wash to AF Phila stg batteries RB 8/30 W.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
503598	7/6	CO Copy	Report on test between F-5 seaplane at Anacostia and vessel. W. To Anacostia. Expresses appreciation 7/9 cop Operations and Communications To OHIO - expresses appreciation 7/9
502987	7-7	To Comdt Phila	Aviation -airc radio trans type SE 1310 change in wave lengths of. W
502988	7-7	To Comdt Phila	Aviation radio equipment to be installed in Martin bomber type plane. W
502990	7-7	To Comdt Phila	Fwds specifications Ships airplane radio telephone equipments. W
477586	FROM CARD 164 Phila. Weekly report. 1/22 W Phila. 2/8 W.		Aircrft Facty Instln schedule 7/7 W. Aircrft Facty- Weekly report. W. 7/13 Aircrft Facty 7/20 W. Nav. aircrft Facty- Fwds radio instln schedule 7/27 W. Phila. 9/13 W. Phila. 9-16. W Phila- Weekly report. 10/15 W Phila. 10/22 W.
504343	7/9	Rockaway Copy	Communicat on test between GOLDSBORO and F-5 seaplane 3610 and Marconi Station, N.Y. satisfactorily completed. W.

Number.	Date.	From or To—	Subject.
500112	6-21	To S&A	Reqst shipmt of batteries from Washington to Phila A.F. W RB 8/2 W
500127	6-21	To S&A	Reqst shipmt of radio telephone from Phila to A.F. Phila W RB 8/6 W.
500949	6/21	Aero Marine Co.	Request wireless telegraphy and telephone set be furn in conn with development work, being persued by Co. W. To Aeromarine Plane Corp n. have none on hand as not Navy apprv 7/1
500121	6/22	To S&A	Reqst shipmt of wave meters from Washington to Pac Fleet Detachment. W
500608	6/23	To Pacific Fleet 414	Reqst info concerning type of trans which power transformers are to be used. W Shipt order from AFPh to CO AROOS, COK 8/2 RB-4;30-W To S&A- reqst status 9-25
500851	6-23	To Atl Fleet via Navg 132	Suggests Comdr in Chief detail some radio gunner from fleet for training detachment at Mitchell Field, Mineola L.I. W
501286	6-24	nTo S&A	Reqst shipmt of radio trans set from Boton to Airc Phila W RB 12/6 /.
TO CARD	244		To Mgr Aircraft Fac via Comdt Ask disposition made of test of sets W 5/23/22
500864	6-24	To S&A	Reqst shipmt from Boston to ATLANTICFLEET radio trans set W
	Inspr Mass-	Shipt scheduled 9/30 W	To Atlantic Fleet- will supply ammeters having larger range when avialable 5-25
TO CARD	244		To Inspr Boston. status 8/25cc S&A To S&A reqst status 8-30

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AIRPLANES: RADIO 1920

Number.	Date.	From or To—	Subject.	
501290	6-25	To Comdt Great Lakes	Fwds chart showing standard equipment Reqst use of material obsolete be discontinued W	
501298	6-28	To Pensacola	Installn of radio compass on class C dirigibles specfns for. Reqst photos be fwd with specfns W	
		Pensacola- Comments on desireable location. 10 1 W.	To Pensacola- Reqst app be instld with specfns	
		Pensacola- C-7 will be placed in flying commission about 10/15 1 0/12 W.	Inform rqstd re prog made and date of comp of instln 9-29 Fwd C&R. o10-16	
502181	6/24 Amendment	Pacf. Air Detachment 8-2	Request spare parts for transmitters be furn. W. To Pacific Fleet- shipt orders being issued 7/1 Aircrft Facty- 7/29 W. To Pac Fleet. reqst info 8-2	
502403	5/21 6/29	San Diego Communications Pac Fleet	Subm report on communications between aircrft submarines. W.	
501971	6-29	To S&A	Reqst shipmt of airc radio receivers from Washn to Phila AF W RB 8/2 W.	
501970	7/1	To S&A	Instructions rel sale of aircraft- radio telephone trans equipments and all classes of airc radio rec equipments be removed and turned to store W	
502420	7/1	To Atlantic Fleet	Reqst report on radio material used in spotting by aircraft with recs. W To Pacific Fleet ditto 7/1	

Number.	Date.	From or To—	Subject.
497893	6-8	To S & A	Reqst shipmt of transmitters, spares, stg batteries, from A.F. Phila to Air Detach Pacific Fleet. W RB-4;30-W Shipt order from Washn to Pac Fleet 6-8 RB-4;30 W Aircrft Facty- Copy of action to S&A. 6/26 W - S&A 7/2 W To Pacific Fleet(T) 9-25
498644	6/8	GE Co.	Fwds letter from Lt. M. A. Coutinah, Brazilian Navy, requesting information regarding radio telegraph instln on seaplanes, dirigibles and on land ; ask if satisf to furn. W. To GE-would prefer info be not divulged 6/28 (marked confidential)
497856	6-9	To S&A	Reqst shipmt be made from A.F. Phila to San Diego, radio trans sets. W RB 2-1-21
498500	6-12	To CO Anacostia	Fwds copy of report of tests of Deslauries Column Mould Co. constant speed fan made at McCook Field. Reqst recs. W Anacostia- Report of test, 6/15 W.
498502	6-14	To Comdt Phila	Change in location of mounting for radio generator on Loening type monoplanes. W
499621	6/14	Rockaway	Request disposition of damaged radio apprs. W To- reqst list 6-17 Rockaway 6/22 W Fwd Rockaway Beach 6-29 RB 7/2 W Rockaway 7/28 W fwd C&R 10/2 RB 10/11 W. fwd S&A 10/12/20 ; RB 11-2; W Fwd C 11-27

N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
500127	6/16	Aircrft Facty.	Request telephone set with stg batteries be furn for use at Aircrft Facty. W.
500103	6-18	To Comdt Phila	Ships airplanes radio equipment to be installed in- Reqst instaln as previous instaln until further advise is recd from Bur W To Phila. rel substitution of type CC 1298 receiver. 8/30/20
500104	6-18	To Comdt Phila	Authorization for modification of microphone trans for use with intercommunicatio sets on aircraft. Allotment of $200.00 made W
500608	6/14	Pacf.Air Detachment	Request aircrft material listed be furn. W Pacf.Air Detachment 7/1 W.
500114	6-21	To G.E. (T)	Reqst quotation 40 additional SE one three four five airc sets your item 46- W
500727	6/15	Pacf.Air Detachment	Request 8 transmitters be furn as soon as possible. W.
498486	6-21	To Operations To CO Hamp Rds via C&R) Instl Authd 4/6 RB 4/16 W. To CO Anacostia C&R Fwds prints cc CO Hamp Rds 4/18 Anacosita-4/22-Fwds reports with prints. W To CO Hamp Rds via C&R Gives instrns 4/29 To CO Hamp Rds via Norf 6/14	Swinging ship for deviations of radio compass on aircraft (heavier and lighter than air) Reqst suggestions as given be inc in standard method of swinging ship for deviations of magentic compass on heavier than air craft/ To Operations. reqs sentence be inserted 6-28 To Hamp Rds- asks rel instaln 3/12/1921 Ham.Rds. 3/25 W. Ham.Rds Radio compass coil installed on airship C-3' 6/10 W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
494182	FROM CARD 170		Deslauriers Column Mould Co.- Rqst copies of reports on test of constant speed fans for driving radio generator (from 882-3) 5/10 W.	
496641	6-1	To Inspr E.M. Akron	Advises no radio telegraph equipments utilizing storage batteries as source of power have been used for aviation purposes. Lists manufacturers who might quote on such equipments. W Akron 6/10 W. To Inspr Akron. fwds 6-17	
497259	6/1	Pacf.Air Detachment Copy	Request authority to draw radio telephone set from stock at Pearl Harbor.	W.
497031	6-2	To Atlantic Fleet (T) (SHAWMUT)	Arrival of seaplan Annapolis Harbor June 3rd with new radio compass equipment for seaplanes Atlantic Fleet Reqst boat available to handle equipment upon arrival W	
497324	6-1	Anacostia	Fwds log of fleet of various airplanes to Annapolis May 29th with report on radio tests DA W	736

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.
497365	6-4	To CO's and Comdrs Flts	Installation instructions for radio airc compass coils on H-16-A F-5 L and NC flying boats. Fwds. W Atlantic Air Detachment 6/8 W.
497367	6-4	To Cmdt 4th Dist A.F.	Fwds installation instructions for airc radio compass coils on H-16 A F-5-L and NC flying boats. W
497375	6-4	To S&A	Reqst shipmt of radio material from Washn to A.F. Phila W RB 6/15 W.
497366	6-4	To CO ANACOSTIA	Fwds copy of test data obtained at McCook Field by War Dept of Deslauriers self-regulating air fans. W
497893	6/5	Pac.Air Detachment (T)	Request immediate shipt of 20 aircrft radio sets: also spare parts for. W. Fwd S&A 7/16 Pacf. Air Detch- Ask location of materil (T) 9/23 W
497848	6-8	To S&A	Reqst shipmt from Washn to CO SHAWMUT radio apparatus W RB 9/22 W
497851	6-8	To Inspr G.E.	Advise if can furnish ships' airplane telephone sets for use with Atlantic Fleet Air Detachment W Inspr GE 6/18 W

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[OVER.]

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
493084	4/30 5/10 Fwd Nav 6-19	Atlantic Fleet Dept Recd Back, in conn with issuing flight orders to Lt. H. B. Coxhead. 5/25 W X 632- fwd Lt Cozhead via Ph 6-28	Report on recommendations regarding radio instlns in ship airplanes. Fwd Cpr via C&R 5/17 To Atlantic Fleet. fwds co y of comments 5/20 Aircrft Facty-Fwds request of Lt.H.B.Crosshead for flight orders in conn with testing radio apprs. 5/16 W X632 7/1.	W.
493547	5/10	Nav. Intelligence	Fwds article on "Radio Equipt on NC Seaplanes" by Cmdr Robt. A. Lavender. To Nav Intelligence- returns- no objection to pub,ication 5/14	W.
493234	5-14	To S&A	Reqst shipmt from Anacostia to G.E. Co trans set. W	
493790	5-18	To Fleets Comdt 4th Dist	Heavier insulation on ships airplanes where spark radio trans are installed.	W
494571	None	None 898	History of development of aircrft radio transmitters and receivers.	W.
494182 TO CARD 171 494619	5-20 Anacostia-from War Dept. 5/25 W Des Lauriers Co.-Subm quotation on air fans. 5/27 W 5/20	To Des Lauries Column Mould Co. ~~(T)~~ Mr. Pentecost Request obtain full report To S&A	(T) Test will be held Friday airc gen dynamotor. W Des Lauriers Column Mould Co.-Subm inform rel to test. 5/20 W To Anacostia. fwds copy letter 5-22 Reqst shipmt from Washington to A.F. Ph radio airc compass coils and amplifiers. RB 5/15 W.	W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
494962	5/19	Anacostia	Instln of type SE 13.0 transmitting equipt on H-16 flying boat. - fwds photos.	W.
494914	5/21	To CO Anacostia	Assignment of Scott Clarophone problem 73 class B. W.	903
495494	5/21	Anacostia	Elimination of ignition disturbances on radio compass- fwds photos of apprs with comments on. W	919
496011	5/18	Western Elec. Co.	Naval Aircrft Radio-rqst copy of article on To Western Elec- may obtain from Inst of Radio Engrs N.Y. 5-27	.W
496269	5/26	C&R	Fwds report on airplane short wave radio telephone set.	W.
496462	5/21	Anacostia	Simultaneous deviation corrections of radio and magnetic compasses on aircrft - subm report covering with curves.	W.
46681	5/25	Anacostia	Subm report of flights with H-16 flying boat with DesLauriers fan, installed. WS	629

AIRPLANES RADIO 1920

Number.	Date.	From or To—	Subject.	
490430	4/26	Anacostia	Subm report on effect of moisture and dust on amplifier.	W.
490621	4/12 4/15	Coco Solo 15th Dist	Recommends C-9 dirigible use a trailing antenna and direction find cord instead of internal antenna.	W.
489167	4-26	To S&A	Reqst shipment from G.E. to Anacostia generator with propeller. W	
491118	5/1	Aircrft Facty	U.S.Aerial Express Co. request authority to purchase radio apparatus for F-5 sea plane; ask if will authorize sale. Fwd S&A 5/5	W
490764	5-3	To S&A	Reqst shipmt from Carlstrom Field Arcadia Florida to Airc Factory Phila all airc radio material. W RB 9/25 ". S&A 6/21 W. fwd S&A 6-24	
490767	5-3	To S&A	Reqst shipmt from Cape May to Airc Factory Phila receivers W RB 5/14 W.	
491771	5-4 C&R- Copy Facty. 5/20	To A.Facty Phila via Comdt Phila C&R of action to Aircrft W.	Considers desirable to have radio equipmt installed on all airc requiring such installn before ~~dlight~~test craft	W

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N.S.E. Form 134.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
491455	5/1	Annapolis	Radio test between Submarine, aircrft, and shore stations- report covering covering.	W
491398	5/3	C&R	Aircrft radio compass coil for D-6 air ship- fwds prints. Fwd Supt Constr. Aircrft. Akron- 5/5 Akron; request additional plans; 9-15; W To Inspr Akron 9/21	W
492064	5-7	To R.M.Kinney Pensa (T)	Auth granted for return to Washington Tuesday will advise if any change in procedure W To ditto Chasn (T) 5/7	
491977	5/4	Anacostia	Subm tabulation and report in conn with variation in direction of signals, recd from air craft. Anacostia-Data taken during trials. 5/24 Anacostia Comments on. 7/19 W	W W.
492068	5-8	To S&A	Reqst shipmt from Washington to A.F. Phila radio appr for instaln on Loening monoplanes W RB 5/18 W	
492073	5-10	To S&A	Reqst shipmt from Washn to Phila Airc Facty switches. W RB 6/11 W.	
492891	5-12	To N.London	Rel shiptmt of dynamotors made to N.L. for use in radio experiments on submarines- Reqst permit Mr. Johnson carry as personal baggage. Shipt order from A.F. to N.L. dynamotors 5/12 Aircrft Facty- 5/15 DA	W

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[OVER.]

Number.	Date.	From or To—	Subject.
318197	FROM	CARD 168 - E	Phila. 10/5 W.
			Phila. 10/6 W.
			Ham.Rds. 10/3 W.
			Dahlgren 10/2 W.
			8th Dist. 10/10 W
			Phila. 10/13 W
			Anacostia- 10/15 W
			Mare Isl. 10/11 W
			Aircraft Facty- 10/16 W
			Marine San Diego- ? W
			Phila. 11/3 W
			15th Dist 10/26 W
			5th Dist 11/6 W
			Dahlgren 11/6 W
			PHILA 11/9 W
			Phila 11/16 W
			Anacostia 11/15 W
			Phila 11/22 W
			To Pensacoal 11/11 RB 11/24 W
			San Diego 11/13 W
			CO LANGLEY- 11/8 W
			Phila 11/29 W
			San Diego Air Station 12/2 Rqsts shipment forms W
			To San Diego (T) Ask quantity batteries on hand and need one fifth addnl W 12/1
			Hamp Rds 1-4 W
			DAHLGREN 12/4 W
			Guam 12/1 W
			S&A 12/8 W
			To S&A- Via Aero.- rel shipment cc Wash n 12/9
			Phila 12/14 W
			SanDomingo 12/2
			Aviation- Copy action to S&A. 12/19 W
			Anacostia- 12/15 W
			Phila 12/21 W
			S&A 12/21 Rel to Diversion of delivery of 150 batteries on contract with Burgess Battery Co. X 882-1
			M.I. 12/22 W

Number.	Date.	From or To—	Subject.	

Number.	Date.	From or To—	Subject.
318197		fwded from card 168 D	Norf 11/18 W
	Guam 2/6 W		Pearl Harbor- 11/1- W.
	Phila. 2/23 W.		Phila. 1/29 W.
	To Marine Corps Guam-2;25-W		Phila. 12/5 W
	Phila- 2/27 W		Dahlgren- 12/1 W
	San Diego- 2/24 W.		Ham.Rds. 12/2 W.
	Coco Solo 1/31 W.		Phila-report from Air Fty-12;8-W
	Phila. 3/1 W		Norf- 12/9 W
	To S&A Reqst shipment of tubes from		8th Dist- 12/12 W.
	San Diego to SO Pug Snd 9817 3/4		Aircrft Facty 12/13- Weekly report- 12/13 W
			Guam. 10/31 W.
) OVER	To S&A Reqst shipment of tubes		Guam. 11/7 W.
	from San Diego to SO MI 9817 3/4		Anacostia- 12/15 W.
	5th Dist. 3/9 W.		Guam. 10/31.W
	Phila- 3/10 W.		Pearl Harbor- 12/1 W.
	Phila. 3/10 W.		Phila- 12/28 W
	8th Dist. 3/10 W.		Phila 1/3 W
TO CARD	Anacostia- 3/15 W.		Guam. 10/31 W
	Mare Isl. 3/10 W.		Dahlgren 1/3 W
	Aviation 3/16 W.		Ham.Rds. 1/5 W
168 - F	Phila- 3/23 W.		8th Dist- Report from Pensacola. 11/6 W
	15th Dist- 3/13 W.		Phila. 1/9 W.
	Ham.Rds. 3/2 W.		Phila. 1/10 W.
	Pacf.Air sdd. 3/24 W.		To S&A Reqst shipment of mat from Dahlgren from
	Phila. 4/3 W.		To CO Hamp Rds 9489 1/12/22 RB 3/16/22 W
	Ham.Rds. 4/4 W.		Phila. 1/17 W
	Phila. 4/7 W		Anacostia 1/16 W.
	San Domingo- 3/31 W.		Pearl Harbor 1/3 W
	Dahlgren 4/7 W.		To CO Sumay, Guam- Spares to be provided 1/27 W
	Hamp Rds 4/7 W		cc Comdt Washn.
	Ports-		Phila. 1/26 W.
	Phila- 4/14 W.		Pearl Harbor- 1/16 W
	8th Dist 4/13 W.		Dahlgren 1/31 W
	MI- Monthly report. 4/12 W.		Phila. 2/2 W.
	15th Dist- 4/7 W.		Guam 12/19 W.
	Anacostia- 4/17 W.		5th Dist. 2/7 W
	Phila- 4/24 W.		Phila. 2/8 W.
	Phila. 5/2 W.		Langley Field 2/3 W
	Dahlgren 5/1 W.		Mare isl. 2/7 W.
	5th dist 5/3- W.		8th Dist. 2/10 W.
	Phila- 5/4 W.		11th Dist 2/10 W.
	8th Dist- 5/4 W		Anacostia 2/13 W
	CO LANGLEY 5/5 W.		Phila. 2/17 W
	Phila 5/12 W		MI 2/13 W.
			To CO SAN Diego- Shipping instrns issued 2/18 W
			To S&A Reqst void

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AIRPLANES RADIO 1922

Number.	Date.	From or To—	Subject.
318197	FROM OVER		
		Atlantic Scouting Fleet 8/15	Santo Domingo- 4/29 W.
		Atl. Fleet- fwds report from Observation plane Sqd. 1. 8/11 W	Pacf. Fleet 5/9 W.
		Atl. Fleet- report from Torpedo and Bombing Sqd. 2- 8/11 W	Anacostia- 5/15 W.
		To CO Hamp Rds- submits reports 8/16	M.I. 5/11 W
		Phila. 8/16 W	Phila- 5/23. W.
		To Pensacola cc Phila 8/17	Phila 5/26 W.
		Ham. Rds. 8/19 W	Phila. 6/3/22 W.
		Aircrft Facty- 8/21 W	Dahlgren 6/6 W.
		Phila. 8/23 W	5th Dist. 6/8 W.
		Santo Domingo 7/31 "	M.I. 6/7 W
		Phila. 9/1 W	Phila 6/9 W
		Pensacola- fwds photos & report. 8/29 W.	M.I. 6/7 W
		Anacostia 9/1 W	CO LANGLY 6/5 W
		Atl. Air Sqd. 9/5 W	8th Dist 6/14 W
		Quantico 9/5 W	Phila 6/9 W
		Fwds Anacostia 9/7 W RB 9/21	Aviation 6/21 W
		To Mgr Phila via Anacostia- Quotes rel to operation of 9/7 W	Phila 6/21 W
		Dahlgren 9/5 W	Hamp Rds 6/22 W
		Pensacola 9/1 W.	Aircrft Facty- 6/21 W
		5th Dist. 9/8 W	San Domingo 5/31 W
		Phila. 9/8 W	San Domingo 4/30 W
		San Diego- 9/5 W.	Guam (Marine Corps 5/1 W
		8th Dist. 9/12 W.	Phila. 6/30 W.
		Phila. 9/14 W	Dahlgren 7/7 W
		Phila- 9/15 W	Phila- 7/11 W
		Scouting Sqd. 9/15 W	Ham Rds. 7/3 W
		15th Dist. 9/11 W.	Pensacola- 6/30 W.
		Pac Fleet 9/13 W (2 reports)	Phila. 7/13 W
		Anacostia 9/15 W.	CO LANGLEY 6/30 W.
		Santo Domingo- 8/31 W.	Atl. Air Sqd. 7/10 W
		Phila- 9/27 W	Anacostia 7/14 W
			Phila. 7/21 W
			To Pensacola Fla- Reqsts Report 7/21
			Pacf. Fleet- 7/17 W
			Santo Domingo- 6/13 W
			San Diego- 7/12 W
			CL LANGLEY 8/1 W
			5th Dist. 8/4 W
			Inspr Phila- Report from aricraft facty. 8/4 W
			Dahlgren 8/2 W
			11th Dist 8/4 W
			Phila 8/10 W
			To CO Sec Nav- Reqsts reports 8/10
			to CO - Reqsts Report 8/11
			8th Dist- 8/8 W
			Anacostia- 8/14 W

Number.	Date.	From or To—	Subject.
318197	FROM CARD 168 - C		
	To Norf 5-26		
	Phila. 5/27 W.		
	To Pensacola via 8th Dist 6-1		
	Quantico 6/2 W		
	Quantico 6/3 W.		
	To CO Quantico 6-6		
	Phila. 6/6 W.		
	Anacostia 6/6 W.		
	3d Dist. 6/7 W.		
	To Airc. Facty 6-8		
	Quantico 6/7 W.		
	San Diego 6/5 W		
	15th Dist. 6/4 W		
	Phila. 6/13 W		
	Navigation 6/14 W		
	Quantico 6/14 W		
	Norf- 6/15 W		
	Anacostia 6/15 W		
	Phila. 6/18 W.		
	To San Diego 6/20		
	Pearl Harbor 6/13 W		
	Quantico 6/23 W.		
	Phila. 6/27 W		
	Phila. 6/29 W.		
	Quantico 6/29 W.		
	Pensacola- 6/30 W		
	~~7/5~~ 8th Dis-7;5-W		
	Rockaway-7;5-W		
	Quantico-7;8-W		
	SanDiego-6;30-W		
	Phila-7;11-W		
	Quantico-7;12-W		
	Norf-7;15-W		
	Anacostia-7;15-W		
	15th Dis-7;7-W		
	Pearl Harbor 7/1 W.		
	Quantico 7/22 W.		
	Anacostia. 7/25 W		
	Quantico- 7/26 W		
	Phila. 7/27 W. (2)		
	Quantico 8/2 W		
	Anacostia 8/1 W.		
			Ham. Rds. 4/13 W.
			Anacostia- 4/18 W.
			Phila. 4/18 W
			To CO San Diego Comments on material report tmW 4/19
			Rockaway 4/18 W.
			To MI Gives Instrns cc CO San Diego 4/19
			Coco Solo 4/11 W.
			To 8 Dist. Regst report be submitted as listed 4/21 cc 3-4-8-11-14-15 Dists 4/21
			To CO Rockaway Beach Hamp Rds- Pensacola- Coco Solo San Diego P.A.- Ask to ack receipt of material 4/21
			8th Dist. 4/22 W.
			Ham. Rds. 4/21 W.
			Anacostia-4;25-W
			SanDiego-4;22-W
			Quantico- 4/20 W.
			Anacostia 3/2 W.
			Coco Solo 4/18 W.
			Phila. 5/3 W.
			8th Dist. 5/2 W.
			Rockaway 5/3 W.
			Atl. Air Force 5/3 W.
			Coco Solo- 4/25 W.
			Phila. 5/6 W.
			Ham. Rds. 5/4 W.
			8th Dist. 5/5 W.
			Shipt order from Phila to CO SHAWMUT 5/11 7348 RB 6/4
			Shipt order from Wash to CO SHAWMUT 5/11 7347 RB 6/3 W
			Quantico 5/10 W.
			Fwd Anacostia 5-12 report appr from Pensa. RB 5/24 W
			To Quantico 5-13
			Coco Solo 5/2 W
			Phila. 5/16 W.
			Anacostia 5/16 W.
			To Atl Fleet SHAWMUT- 5-17 copy Airc Facty
			Anacostia 5/16 W.
			San Diego 5/6 W.
			Norf 5/18 W.
			Anacostia- 5/16 W
			Phila- Fwds instln schedule. 5/19 W
			Bureau Stand Labr. 5/16 W.
			Hammond Labr. 5/16 W.
			Quantico 5/23 W
			Anacostia 5/23 W

Read 168-C

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AIRPLANES RADIO 1921

Number.	Date.	From or To—	Subject.
318197		FROM OVER	
		Ham Rds. 10/3 W	
		Phila. 10/10 W.	
		Coco Solo- 10/5 W.	
		Mare Isl. 10/10 W.	
		Phila. 10/17 W.	
		Quantico 10/14 W.	
		Pearl Harbor- 10/1 W. (2)	
		Anacostia 10/17 W.	
		Quantico 10/7 W.	
		To Hamp Rds- Gives instrns rel material 10/19	
		Norf. 10/13 W.	
		Coco Solo- 10/5 W	
		14th Dist- 10/11 W	
		Aviation 10/25- Fwds report from Indian Head. W.	
		Quantico 10/24 W	
		Phila. 10/24 W	
		To Inspr Indian Head- Gives instrns 10/29	
		Quantico 10/31 W	
		Phila- 11/1 W	
		Guam 9/12 W	
		Guam 8/19 W	
		Guam 9/2 W	
		Guam 8/31 W	
		Ham. Rds. 11/3 W	
		Phila. 11/8 W	
		Quantico- 11/8 W	
		8th Dist. 11/7 W	
		MI 11/3 W	
		To CO Hamp Rds via Aeronautics- Com t 5 Dist Gives instrns 11/12	
		To CO P H via Aeronautics- 14 Dist Gives instrns 11/12	
		Guam. 10/3 W	
		INDIAN Head 11/1 W	
		Guam 9/26 W	
		Phila. 11/14 W	
		Anacostia 11/15 W	
		Phila. 11/18 W	
		To Inspr Indian head via Aeronautics Gives instrns rel correspondence	11/19
			8th Dist- 8/5 W.
			Phila. 8/8 W.
			Anacostia 8/8 W.
			Phila. 8/9 W.
			Quantico 8/9 W.
			3d Dist. 8/11 W.
			Pacf. fleet- 8/8 W.
			8th Dist- 8/5 W.
			Atl. Air Force 8/12 W
			Coco Solo- Subm report with photos. 8/1 W
			Anacostia 8/15 R.
			Quantico- 8/13 W.
			Norf/ 8/16 W
			Phila. 8/17 W.
			Shipt order from Hamp Rds to Airc Facty radio 8/18 8533 RB 10/5 W
			MI- 8/16 W.
			Perl Harbor- 8/1 W.
			Anacostia 8/22 W.
			Aircrft Facty- 8/18 W.
			Quantico 8/22 W.
			Rockaway Beach 8/26
			Aircrft Facty 8/26 W
			Aircrft Facty 8/29 W
			Anacostia- 9/1 W
			Quantico- 9/6- W.
			Anacostia 9/6 W.
			Pensacola- 9/8 W.
			To Anacostia Regst Report be submitted 9/12
			Quantico 9/12- W
			Coco Solo- 9/1. W. W.
			Aircrft Facty 9/13 W.
			Anacostia- 9/14 W.
			Anacostia- 9/14 W.
			Ham. Rds. 9/1. W.
			MI- 9/13 W.
			Quantico 9/19 W
			Annacostia 9/19 W
			Phila 9/19 W
			Phila. 9/23 W.
			Pearl Harbor 9/9 W.
			Quantico 9/26 W.
			Phila 10/4 W

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[OVER.]

AIRPLANES 1920

Number.	Date.	From or To—	Subject.
318197	FROM CARD 168-B		Quantico 12/13 W.
	Coco Solo- 1/3 W.		Anacostia- 12/15 W
	San Diego 1/13 W.		Ham. Rds. 12/10 W.
	To Pensa Tel 1-18		San Diego 12/10 W.
	Rockaway 1/17 W.		Rockaway 12/11 W.
	Ham. Rds. 1/20 W.		Atlantic Air Force 12/14 W
	1/24 Quantico- W		Ham. Rds. 12/15 W.
	Ham. Rds 1/20 W		Coco Solo 11/29 W
TO CARD	Anacostia 1/24 W.		Coco Solo 12/6 W
	Pensacola- Fwds sample of small stream line insulator in corn with		Aircrft Facty 12/20 W.
168- D	letter request #90 1/20 736-38		Ham. Rds. 12/15 W.
	Rockaway 1/24 W.		Phila. 12/21
	Hampt Rds--1/26 W		Rockaway 12/18 W.
	8th Dist. 1/26 W.		San Diego 12/14 W.
	San Diego 1/25 W.		8th Dist. 12/17 W
	San Diego 1/24 W.		Quantico-12:21-W
	Ham. Rds. 1/26 W.		Ham Rds-12:21-W
	8th Dist. 1/29 W.		To Phila Regst Plans be fwded to Eng Dept 12-23
	Anacostia 1/31 W.		Phila)- 12/24 W
	Rockaway 1/31- W		Atlantic Air Force- 12/22 W.
	Phila 1/31 W.		8th Dist. 12/27 W.
	Quantico- 1/31 W.		Coco Solo 12/20 W.
	Quantico- 1/31 W.		8th Dist- 12/30
	Coco Solo- 2/10 W.		Ham. Rds. 12/21 W.
	fwd Oprns via Com 2-5 RB 2-17		San Diego- 12/22 W.
	Ham. Rds. 2/2 W.		Quantico 12/27 W.
	8th Dist. 2/3 W.		Coco Solo 12/13 W.
	Ham. Rds. 2/2 W.		San Diego- 12/28 W.
	Coco Solo- 1/17 W.		Rockaway 12/29 W.
	Coco Solo 1/24 W.		Phila. 1/4 W
	Quantico 2/7 W.		Rockwawy 1/4 W.
	Rockaway - 2/7 W.		Phila. 1/6 W.
	To Co Coco Solo 2-9		San Diego 1/4- Weekly report. W. Cancelled.
	Anacostia 2/7 W		Coco Solo 12/27 W.
	San Diego 2/4 W.		Rockaway 1/8 W
	Phila. 2/7 W.		5th Dist 1/7 W
	Ham. Rds. 2/8 W.		Quantico 1/10 W.
	Ham. Rds. 2/8 W.		Anacostia 1/10 W.
	Pacf. Air Force- 2/9 W.		San Diego 1/5 W
	Quantico 2/14 W.		Ham. Rds. 1/3 W
	Anacostia 2/14 W.		Phila- 1/11 W.
	San Diego- 2/10 W.		Pphila. 1/13 W.
	n		Ham. Rds. 1/11 W
			Anacostia 1/17- W.
			Quantico- 1/17
			Pe arl Harbor 1/5 W
			San Diego- 1/

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Number.	Date.	From or To—	Subject.
318198		FROM OVER	
		Coco Solo- 3/7 W.	8th Dist. 2/14 W
		Ham. Rds. 3/15 W.	Ajacostia- 2/15 W.
		Ham. Rds. 3/15 W	Rockaway 2/14 W.
		Phila. 3/19 W.	Phila. 2/17 W.
		San Diego 3/5 W.	To Rockaway 2-19
		NewmOrln. 3/18 W.	Ham. Rds. 2/15 W.
		To Hamp Rds 3/21	Phila. 2/18 W.
		Coco Solo 3/14 W.	Coco Solo 2/7 W.
		Anacostia- 3/21 W.	Coco Solo 1/31 W
		Rockaway 3/21 W.	8th Dist. 2/18 W.
TO CARD		Ham. Rds. 3/22 W.	Anacostia- 2/21 W.
		Ham. Rds. 3/22 W.	Quantico. 2/21 W.
		8th Dist. 3/24 c W.	San Diego- 2/18 W.
168- D		Atl. Air Force- 3/21 W	Rockaway 2/19 W.
		Quantico 3/28 W	Ham. Rds. 2/23 W
		Anacostoa 3/28 W.	Rockaway 2/24 W.
		Phila. 3/28 W.	To Rockaway 3-1
		Rockaway 3/29 W.	Ham. Rds. 2/23 W.
		Coco Solo- 3/21 W.	Pacf. Air Detch. 2/19 W.
		Ham. Rds. /25 W.	Phila. 2/21 W.
		Pensacola 3/28 W.	Quantico 2/28 W.
		Phila. 4/1 W	Coco Solo 2/18 W.
		Ham. Rds. 3/28 W.	Anacostia 2/28 W.
		San Diego- 3/25 W.	8th Dist. 2/28 W.
		Ham. Rds. 3/28 W.	To Comdt Pensacola 3-5
		Anacostia 4/4 W	Rockaway 2/28 W
		Rockaway 4/4 W.	San Diego 2/25 W
		?? Weekly report. 4/2 W.	Ham. Rds. 3/1 W.
		Ham. Rds. 4/4 W.	8th Dist. 3/3 W
		Pensacola- 4/4/ W.	Ham. Rds. 3/1 W.
		Ham Rds-4.4-W	Coco Solo 2/21 W
		To Pensacola 4/9	Phila. 3/9 W
		Coco Solo 4/4 W	Rockaway 3/7/ W
		Coco Solo 3/28 W	Rockaway 3/7/ W.
		Phila. 4/12 W	Pensacola 3/5 W.
		Aircrft Facty- 4/12 W-Cancelled.	Coco Solo 2/28 W.
		Rockaway 4/12 W.	Phila. 3/11 W.
		San Digo 4/5 W.	San Diego 3/5 W.
		Pensacola 4/12 W.	Ham Rds-3.7-W
		Anacostia 4/15 W	8th Dist. 3/12 W
		New Orln 4/14 W	Anacostia 3/14 W.
			Anacostia- 3/14 W.
			Rockaway 3/14 W.
			Ham. Rds. 377 W.
			Quantico 3/14 W

AIRPLANES 1920

Number.	Date.	From or To—	Subject.
318197	FROM CARD 168-A		Atlantic Air Detachment. 8/16 W
		Anacostia 9/20 W.	San Diego 8/13 W
		Rockaway Beach 9/20 W.	Anacostia 8/16 W
		Coco Solo- 9/9 W.	Phila 8/18 W
		Aircrft Facty 9/18 W.	San Diego 8/14 W.
		Shawmutt 9/22 "	Ham.Rds. 8/16 W.
		To Rockaway Comments 9/24	Atlantic Air Detachment. 8/16 W
		fwd Anacostia 9/24 RB 9/29 W	Pensacola 8/16 W
		To Atl Fleet 9-25	Coco Solo 8/5 W.
		San Diego 9/21 W.	San Diego 8/19 W.
		8th Dist; 9-25; W	Anacostia 8/23 W.
		San Diego; 9-22; W	Rockaway Beach 8/23 W.
		Ham.Rds. 9/24 W.	Phila. 8/25 W.
		Rockaway 9/25 W.	To San Diego. disposition 8/27
		Anacostia 9/27 W	Coco Solo 8/17 W.
		Ham.Rds. 9/24 W.	SHAWMUTT 8/27 W.
		To Hamp Rds 10/1	Pensacola 8/23 W.
		To 4th Dist 9/30 RB 10/7 W.	5th Dist. 8/24 W.
		fwd Com 9/30	Phila. 8/31 W.
		Aircrft Facty- 9/25 W.	Rockaway 8/30 W
		8th Dist. 10/1 W.	~~5th Dist. Subm report cards 8/31 W~~
		Ha .Rds. 9/28 W.	Aircrft Facty. 8/31 W.
		Anacostia 10/4 W.	San Diego 8/28 W
		Rockaway -Weekly report with photos 10/4 W.	Aircrft Facty 8/28 W
		Atlantic Air Force- 10/3 W.	5th Dist. 8/30 W
		10/2 San Diego 10/2 W.	San Diego 9/2 W
		Phila. 10/7 W	???? 9/2 W
		Fwd Anacostia 10/12 RB 10/15 W.	Coco Solo 8/26 W.
		Ham.Rds. 10/5 W.	Ham.Rds. 8/30 W.
		Coco Solo 9/25 W.	Anacostia 9/7 W.
		To Rockaway 10/14	Rockaway 9/7 W.
		San Diego 10/7 W.	Anacostia 9/7 W.
		Anacostia 10/11 W.	Anacostia 9/7 W.
		Atlantic Air Force 10/9 W.	Pensacola- 8/30 W.
		Rockaway 10/9 W.	Shawmut 9/10 W.
		Mitchell Field- 10/7	Coco Solo- 8/30 W.
		Atlantic Air Force 10/12 W.	Aroostook9 8/30 W.
		Pacf. Air Force- 10/18 W.	San Diego; 9-9;
		Ham.Rds. 10/13 W.	Anacostia; 9-13; W
		Rockaway 10/18 W.	Anacostia; 9-14; W
		San Diego 10/16 W	Rockaway Beach 9/10 W.
		8th Dist. 10/19 W.	?? 9/14 W.
			Pensacola 9/13 W.
			SHAWMUT; 9-16; W
			To Hamp Rds. 9/21
			Ham.Rds. 9/14 W.

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Number.	Date.	From or To—	Subject.
318197	FROM OVER		
		8th Dist. 11/12 W.	Quantico - 10/18 W.
		Pensacola - 2 W.	Ham.Rds.- Fwds photos of radio compass instln on C-3. 10/13 W.
		Anacostia 11/15 W	Ham.Rds. 10/21 W.
		Anacostia- Monthly report. 11/15 W	Pacf. Fleet Air Detc . 10/18 W.
		Rockaway 11/15 W.	Hampton Roads; 10-21; W
		San Diego 11/13 W.	Fwd Dir Comm 10-27 ; RB 10-30; W
		Quantico 11/16 W.	Anacostia; 10-25; W
		Phila. 11/19 W.	Rockaway; 10-23; W
		Anacostia- 11/22 W	Pacific Air Det; submits report on radio equipment quarter ending Sept 20; 10-5; W
		Ham.Rds. 11/18 W.	Coco Solo; 10-15; W
		Quantico 11/22 W.	8th Dist; 10-25; W
		Ham Rds-11/18-W	Phila; 10-28; W
		Atl Air Force-11/22-W	San Diego; 10-25; W
		San Diego- 11/19 W.	To Pensacola 11-2
		Rockaway 11/22 W.	Pacific Air Force; 10-25; W
		Ham.Rds. 11/23/27W Subm estimate.	Anacostia; 11-1; W
		Coco Solo- 11/15 W	Rockaway; 10-30; W
		8th Dist. 11/24 c W.	Hampton Roads; 10-27; W
		Quantico- 11/29 W.	Fwd Pacific Fleet 11/2 RB 11/19 W;
		Rockway 11/27 W.	Ham.Rds. 10/27 W.
		Ham.Rds. 11/23 W.	Anacostia 10/14 W.
		Aircrft Facty- 11/30 DA	Rockaway; submits report with drawings; 10-29; W
		Rockway 12/1 W.	Coco Solo- Weekly report. 10/21 W.
		8th Dist. 11/30 W.	8th Dist. 11/1 W.
		San Diego 11/26 W	To Co Rockaway 11/5
		Ham.Rds. 12/1 W	Inspr Phila. 11/5 W
		Ham.Rds. 12/1 W	Ha .Rds. 11/1 W.
		Atlantic Air Force- 12/3 W	San Diego 10/30 W
		Anacostia- 12/6 W.	Ham.Rds. 11/1 W
		Phila. 12/6 W	To Rockaway 11-9
		Quantico 12/6 W.	Pacf. Air Force. 11/1 W.
		8th dist. 12/6 W	Atlantic Air Force 11/3 W.
		Rockaway 12/4 W.	San Diego- 11/4 W.
		Coco Solo 11/22 W	Rockaway 11/6 W.
		Atlantic Air Force 12/9 W	Anacostia 11/8 W.
		8th Dist. 12/9 W.	8th Dist. 11/8 W.
		Phila. 12/11 W.	Phila. 11/11 DA.
		San Diego 11/26 W	Ham. ds. 11/10 DA
		Anacostia 12/13 W	Pacf. Air Fleet 11/1
		Ham.Rds. 12/10 W	Ham Rds. 11/10 W.
		8th Dist 1/13 W.	Mitchell Field 11/13 W
		Anacostia 1/15 W	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
318197		FROM CARD 162	Atlantic Air Detachment, 4/5 W.
		San Diego 5/4 W.	Coco Solo 4/5 W.
		Ham.Rds. 5/6 W.	Carlstrom Field 4/13 W.
		To CO'S Flts rel reports 5/12	San Diego 4/12 W.
		Phila 5/13 W.	8th Dist- 4/15 W.
TO CARD		Rockaway 5/13 W.	Atlantic Air Detachment 4/12 W.
		8th Dist 5/12 W.	San Diego 4/14 W.
168 - B		Coco Solo 5/3 W.	Ham.Rds. 4/13 W.
		Sa. Diego 5/12 W.	Anacostia 4/19 W.
		San Diego 5/12 W	Rockaway 4/19. W.
		Anacostia 5/17 W.	To H.Rds- asks disposition of one trans 4-21
		Rockaway 5/17 W.	Cape May 4/19 W
		Ham.Rds. 5/14 W	Coco Solo 4/12 W.
		Atlantic Air Detachment- 5/17 W	Atlantic Air Detachment 4/19 W.
		Coco Solo 5/10 W.	Carlstrom Field 4/21 W.
		Phila. 5/21	Ham.Rds. 4/22 W.
		8th Dist. 5/20 W.	San Diego Air Sta. 4/20 W.
		Rockaway 5/21 W	To Rock- reqst dismantle trans on Dirigible
		Ham Rds.- 5/22 W.	C-4 and type 1104 trans installed, 4/24
		San Diego 5/21 W.	8th Dist- Report on Pensacola 4/23 W.
		Atlantic Air Detachment 5/24 W	To Coco Solo- concurs in action in letter
		Ham.Rds. 5/25 W	of 4/12 4/26
		Anacostia- 5/24 W.	Anacostia 4/26 W.
		8th Dist- Report from Pensacola 5/26 W	Cape May 4/26 W.
		To San Diego- 5-29	Rockaway 4/27 W
		To Hampton Rds. 5-29	Phila. Weekly report from Aircrft Fact y.4/28 W
		Coco Solo 5/18- (2letters) W	Atl Air Detachment - 4/26 - W
		San Diego 5/28 W	Hampton Roads - 4/29 - W
		Phila 6/1 W	Coalstrom Field - 4/27 - W
		Anacostia 6/1 W	Coco Solo 4/19 W
		Ham.Rds. 6/3 W	San Diego- Request authority to install radio
		Ham.Rds. 6/1 W	transmitter in dirigible C-6 . X 736 - 3.4/27 W
		8th Dist. 6/4 W	To San Diego- rel installn on C-6 5/4
		Rockaway 6/5 W.	Rockaway 5/4 W.
		San Diego 6/6 W.	Rockaway 5/3 W
		Anacostia 6/7 W.	Cape May 5/3 W
		Phila 6/8 W.	To Coco Solo- Rqst inform rel disposition of
		Phila 6/8 W.	3 receivers. 5/6
		Atlantic Air Detachment 6/1- Weekly	To Rockaway- Satisfy to remove radio appara-
		report. W.	tus from C-4. 5/6
		San Diego 6/5 W.	To San Diego- Rqst inform rel disposition
		Pensacola- 6/7 W.	of transmitters, calls attn to discrepancies
		Atlantic Air Detachment 6/9 W.	in weekly report 5/6
		Phila. 6/11. W.	Phila - 5/7 - W
		To San Diego(T) instaln on dirig.	Coco Solo - 4/26 - W
		not rec. 6-12	CO SHAMUTT- 5/10 W.
		shipt order 6/8 rb 10/19 W	CO SHAMUTT 5/3 W
			Anacostia 5/10 W

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Shipt order from H.Rds to A. F. 4/14 RB 5/18

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
318197			To Atlantic Fleet- Reqst info concerning type of trans instlled on seaplanes type F 5 L now operating with Fleet 6-12
		Ham.Rds. 7/2 W	8th Dist- Report from Pensacola- 6/10 W.
		Ham.Rds. 7/7 W	Ham.Rds. 6/10 W
		Ham.Rds. 7/7 W.	Coco Solo 6/26 W
		Anacostia 7/12 W.	Anacostia 6/10 W.
		Rockaway 7/10 W	San Diego- (T)- Removal of aircrft radio transmitters from C-6 and CB-18 completed. 6/14 W
		San Diego 7/11 W	X 735 7/3
		Pensacola 7/12 W.	
		San Diego-7:6-W	Anacostia 6/14 W.
		Anacostia-7:13-W	Rockaway 6/11 W
		Ham.Rds. 7/13 W	Fwd Com 6-16 RB 6/19 W
		Atlantic Air Detachment 7/6 W	San Diego (T) Spark tramsmitters removed. 6/15 W
		Ham.Rds. 7/13 W.	San Diego- Request disposition of sets. 6/11 W
		Anacostia 7/19 W.	Atlantic Air Detachment 6/14 W
		Rockaway - Weekly report. 7/16 W	Coco Solo 6/7 W
		CO SHAWMUT 7/12 W	Coco Solo 6/3 W
		San Diego 7/15 W.	San Diego 6/14 W
		Coco Solo 7/7 W	Shipt order from San Diego to Phila AF radio 6-18
		Coco Solo 7/12 W	Pacf.Air Detachment 6/12 W
		8th Dist. 7/19 W	Rockaway 6/18 W
		Ham.Rds. 7/21 W	Ham.Rds. 6/15 W.
		8th Dist 7/23	8th Dist 6/18 W
		San Diego 7/21 W	Fwd 8th Dist Via Coco Solo 6-22
		To S&A- reqst status 7/26	Anacostia 6/21 W.
		Hampton Roads; 7-21; W	San Diego 6/19 W.
		Anacostia-7:26-W	Phila. 6/25
		Rockaway-7:24-W	Atlantic Air Detachment 6/24 W.
		Rockaway-7:24-W	Atlantic Air Detachment 6/22 W.
		Ham.Rds. 7/27 W	Ham.Rds. 6/23 W
		Coco Solo- 7/22 W.	Rockaway 6/25 D.
		San Diego 7/28 W.	Coco Solo 6/16 W
		~~CO MAILAND 7/3 R~~	Anacostia 6/28 W
		8th Dist. 8/2 W	San Diego- 6/24 W.
		Rockaway 8/4 W.	Coco Solo 6/21 W
		Ham.Rds. 8/4 W.	8th Dist 8/28 W
		Phila. 8/9 W.	Atlantic Fleet 7/6 W.
		Anacostia 8/9 W.	Rockaway 7/3 W.
		Rockaway 8/9 W. To Norf. 8/4	Ham.Rds. 7/2 W.
		San Diego 8/5 W. To SanDeigo 8/4	Anacostia 7/6 W.
		8th Dist. 8/10 W.	8th Dist- 7/6 W
		Ham. Rds. 8/10 W.	Coco Solo 6/28 W
		Anacostia- 8/12 W	
		Coco Solo 7/29 W.	
		8th Dist 8/12 W	
		Rockaway 8/16 W	
		SHAWMUT 9-16; W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
487491	4/14	Coco Colo (T)	Request immediate shipt of 6 radio direction finder frames for F-5 flying boats. To Coco Solo. - production will begin about May 1st. 4-16	W.
487156	4/14	To Comdt Phila	Seaplane NC-2 instln on radio on - rqst be re-installed at aircrft Facty upon completion of repairs to.	W.
488683	4/20	Aircrft Facty	Fwds naval Aircrft photos. To Comdt Ph. acknow 4/23	W.
488750	4/20	Naviagtion	Request 3 obsolete aircrft receiving and sending sets be fwded to recruiting bases, Minneapolis and Providence.	W
TO CARD 187	S.O. from Wash to Minneapolis 4/28 S.O. from Airc Ph to Providence 4/28 RB 5/27 W		Recruiting Station, Providence - Reqst shipt of material be as complete as possible. 4/22 W To Provicence, rel shipt 4/27 RB 5/20 W	
	Recruiting Sta- Providence-Reports on used motor if airplane set. 8/24 W To Providence 9/30		Shipt order from Wash to Providence 4/28 Shipt order from Phila to Minneapolis 4/28	
487612	4-20	To Comdt Phila	Vacuum tubes- type CG-916 shipts of- Reqst investigation of, and new change of material sheets be fwd to correct balance of tubes on on hand Airc Factory. W Insp Phila - 5/5 - W	
489193	4/22	Ordn.	Copy of endorsement to C&R stating change in location of aircrft radio equipt on H-16 and F-5 boats satisf.	W.
488308	4/19	Anacostia	Confirms telephone conversation rqsting authority for H S 16 seaplane 4073 to fly to Phila with GE Co engineer as passenger for installation of instruments to be used in connection with torpedo control- W&DA	736
47361	4/21	Anacostia	Submits data on test of aircraft radio transmitter submitted by American R&R Corp SW	629

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Number.	Date.	From or To—	Subject.	
489542	4/23	M. Z. Bishop	Subm report of conference for ascertaining cooperation possible, between shore, ship stations and aircrft	W
489756	4/21 4/24	Aircrft Facty Phila	Request instructions rel to radio equipt for Loening monoplanes to be assigned to Atlantic Fleet. To Phila- rel installn 4/27 Phila- Request 19 and 18 inch pr pallers be tested for variation speed. 6/3 W.	W.
489758	4/21 4/23	Aircrft Facty Phila	Recommends radio apparatus now on F-5 planes, Atlantic Fleet, be dismantled and assigned to sotre. To Phila concurs in recs 4/27	W.
488541	4-22	To S&A	Reqst shipmt from Chatham to Phila Airc Fac radio appr. W RB 5/14 W.	
488545	4-22	To S&A	Reqst shipmt from Cape May to Phila Airc radio appr. W	
490010	4/21 4/24	Airfrft Facty. Phila	Request instrns regarding radio apparatus for F-5 boat, 3788, to be flown to Anacostia. W. To Cdt Ph- no radio installn required 4/29	
489768	4-27	To S&A	Reqst shipmt from Airc Phila to Bureau Standards ammeters W RB 5/6 W	

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[OVER.]

Number.	Date.	From or To—	Subject.	
483844	3-29	To Pacific Fleet	Rel to performance of airc radio trans Quotes from report from Atlantic Fleet officer, on F-5-L's transmitters. Reqst report of trouble encountered W	
485098	4/1	Klaxon Co.	Request report covering noise meter developed by B. Meissner. To B.F. Meissner. fwds copy 4-13 To Klaxon Co.rel above 4-13	W.
486068	4/5	Anacostia	Change in location of operators position in H-15 and F-5 flying boats- recommendations covering.	W.
486087	4-8	To Pensacola	Reqst vandyke and prints be fwded. W	
486565	4/8	Anacostia	Specifications for Aircrft radio compass instln design problem #35- fwds photos with comments on. X 919	WR
486666	4/9	Anacostia	Aircrft radio compass subm by Natl.Elec. Supp.Co., satisf with minor alterations.	W.
486504	4-10	To S&A	Reqst shipmt fromN.Y. to College Park Md radio appr. to be loaned to P.O. Dept. W(2137) RB 5/7 - W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
485505	4-10	To Comdt Phila	Airc radio antenna reels type CE-702 aviation- Reqst completion by addtion of handles, and new change of material sheets be fwded W
462739	FROM 158		To Comdt Phila reqst copy of photos 4-12 Phila- Fwds wiring diagram showing arrangement of apparatus to be used on NC boats. 4/17 X ~~238~~ - W. To Phila (T) plan appvd NC-3 4-19 To Phila rel modification to 10/9/20
486507	4-10	To S&A	Reqst shipmt from Schenctady to Washn gen and vacuum tube motor gen trans. W To S&A- Rqst cancel shipt order 4/10, vacuum tube motor gen trans. 4/26 W.
454896	FROM CARD 153		S&A- 4/13. W.

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[OVER.]

Number.	Date.	From or To—	Subject.	
480349	3/4	Ham.Rds.	Fwds letter from Lt. M. H. Esterly, calling attn to advantage to be had by using loop fixed aerials for air ships. Fwd Anacostia. 3-12; RB 3-17;	W
480751	3-12	To S&A	Reqt shipment amplifier from Wash to Phila. W RB 4/7 W.	
481493	3/15	To Anacostia	Reqst test be made, rel changing wave lenghts on type SE 1310 and SE 1320 radio airc spark trans to 507 and 600 meters, with further investigation as to possibility of 800 and 975 meters. Designs as problem 83- Anacostia- -Subm report of investigation with photos. 7/30 W. To CO's- modf of spark trans eq. nments 8/9 To Phila. modification of trans sets 8/16	W
TO CARD 179.		To Phila. gives instrucns 8/16 Phila- Fwds photos of radio instln on Atlantic Fleet F-5's W 493.8/16 Aircrft Facty-Only one change ~~re~~ quired in F-5-L equipt.8/18 W. To Phila 8/24 To Rockaway 9/1		
481890	3;12 3;15	Aircraft Fty Phila	Radion transmitters will be left installed on HS-2 and HS-1 boats for Anacostia and Dalghren.W	
481936	3-16	Ordn	Request 1 complete radio telephone transmitting and receiving set be furnished Dahlgren for HS-2 seaplane; W	
481719	3/4 3/15	Hampton Roads C&R	Reqst authority covering installation of loop aerial on seaships C-3 - W fwd Operations 3/17 copy C&R H.Rds and Anac	

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Number.	Date.	From or To—	Subject.	
483056	3/18 3/20	Aircrft Facty Phila.	Request instructions rel to supplying radio equipt for HS-2 boats to be packt, ready for shipt. To Comdt Phila 3/24	W.
483115	3-24	To S&A	Reqst shipment from Key West to Airc Factory Phila, radio apparatus. W RB 9/25 W. Key West- Submr list of radio material shipt. W4/12	
483123	3-25	To CO NC-planes Rockaway	Radio telegraph- measurement of radio antenna characteristics, by civilian reprents- Reqst Mr. E.M. Kinney, be allowed to take passage on, in order to make same. W To NC Seaplane Flotill Phila 4/1	
482436	3-22	To S&A	Reqst shipment from Anacostia to Schenec bsend receive switch W	
484021	3/26	Dept	Request suggestions covering perfecting instruments and methods for communications between aircrft and war vessels as well as shore stations. Pac.Fleet- Instrns in conn with holding test, communications between aircrft and Submarines. 4/5 W.	W.
483845	3-27	To Pacific Fleet	Radio telegraph- aviation- airc radio compass coils, type SE-4080- delivery of- W	

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[OVER.]

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
478195	1/5	Cdr. Hooper	Subm memo for DA Division giving recommendations for shielding ignition radius on Aircrft to prevent interference with radio reception.	W
477587	2/24	To S&A	Reqst shipment from Airc Factory to Anacostia 1000 ' rubber covered wire. W RB 3/24	
477604	2/25	To S&A	Reqst shipment from Pensacola to Airc Facty radio appr. W RB 9/25 W.	
477947	2/26	To S&A	Reqst shipment from Schenectady to Phila Airc Facty radio appr. W Canc of shipt order 7/29/20	
477948	2/26	To San Diego	Fwds two copies of report of radio commun during spotting by aircraft for long range target practice of TEXAS last April at GUANTANAMAO W	
478865	2/26	Nav.Advisory Comm. 1201	Fwds W.E. S. Temple's request for vacuum tube amplifiers. X898 To Natl Advis Com 3/4	W.
478679	3/1	To S&A	Reqst shipmt from Anacostia to Phila Airc Factory radio appr. W RB 4/12 W.	

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
448678	FROM CARD #151		Phila- Fwds sample instruction tag.3/2	
43680	3/3	To Anacostia	Reqts prepare and fwd standard specifications for the installation of type SE-1310 transmitter on glying boats type H-16-A. W	629
479467	3/6	To S&A	Reqst shipmt from Anacostia to Airc Factory Phila radio appr. W RB 3/18	
480049	3/8	To SO Airc Factory	Disposition of radio material recd in stock and classed as "Not airc radio material". W	
480050	3/8	To Cdr Air Detach Pacific Fleet	Obsolete airc radio apparatus- disposition of. W	
480340	3/2	Anacostia	Use of low multiple tuned antennas at Air Stations: fwds sketch of with photos and detailed report covering. W	875

AIRPLANES: RADIO 1920

Number.	Date.	From or To—	Subject.	
475162	2/12	To S&A	Reqst shipmt from Airc Phila to Rockaway Beach radio trans sets. W RB 4/27 W.	
475307	2/16	To Secty War	Expresses appreciation for cooperation of Army in assisting Navy in testing.	W
476721	2/16	V. Karapetoff	Request copy of report covering noise mater developed by Mr. Miessner, while in employ of navy Dept. To B.F. Miessner- have referred above reqst to you 2/20 To Prof Vladimir Karapetoff. 2/20 coy BFM	W.
477155	2/18	Akron	Request complete set of drawings and photos of radio apparatus on CD airships, be furnished. W. To Inspr Akron via Cdt 9th Dist 2/21	
477384	2/20	Anacostia	Bombing and Vought VE-7 ship airplanes- subm recommendations covering see other side	W.
477068	2/20	To S&A	Reqst shipment be made from Anacostia to Western Elec NY radio vac tubes. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
477315	2/21	To Com Hampton Rds	Fwds drawing, airc radio compass coil (RE 69 F 157 A) reqst fwd spec and instrucns concerning installn in different types of lighter than air craft. W Ham.Rds.- Submn information rel to proposed instln of compass coils on air ships. 4/15 W.	X919
477384	2/21	To Inspr Airc Phila	Recommends addtl instructions for bonding for Vought VE-7 ships aeroplanes. W see other side C&R-Copy of action to aircrft facty.3/5 Inspr Keyport 3/6	
477330	2/24	To Anacostia	Fwds print. W	
477586 TO CARD 174	2/24 Inspr Phila- Weekly report 3/24 Phila- Weekly report. 4/3 W. Phila- Weekly report.4/14 W. Phila- Weekly report 4/22 W. Phila-Fwds aircrft radio instn schedule.7/2 W	To Comdt Phila	Reqst weekly report status of work being done Airc Fact installn construction and repair of radio on airc. W Phila- Weekly report. 3/10 Phila-report week ending March 13th-3;16	
477584	2/19 C&R- 5/8 W To C&R- advise progress 8/24 C&R- Kite balloon to lift antenna wire- Fwds print and description. 9/18 W. C&R-Sketch of experimental hydrogen.Fwds- 9/18/20 W	Annacostia	Request information as to feasibility of designing miniature kite balloon for supporting antenna wire for emergency tramsmitter set for air craft while on surface of water W fwd C&R 2/27 R B 3/4 fwd Anacostia 4-21 RB 4/26 W. fwd C&R 5/3	
477757	2/21	Inspr Phila.	Generator field excitation batteries for use of transmission.- Fwds Aircraft Facty print with recommendations. W To Cdt Phila 2/26 fwd Anacostia 3/13; RB 3-17; To Cdt Phila 3/18	
477756	2/21 2/21	Aircrft Facty Inspr Phila	Ask if Bur will supply radio equipt on HS-2 flying boats listed for Rockaway. W.	

AIRPLANES: RADIO 1920

Number.	Date.	From or To—	Subject.
473515	2/3	To S&A	Reqst shipment from Washington to Arcadia Fla 3 airc radio helmets. W
473516	2/3	To S&A	Reqst shipment from Airc Facty Phila to Arcadia Fla. radio helmets. W
473523	2/4	To CO Pensacola	Fwds copy of SE chart of airc radio apparatus W
474512	2/10	To Anacostia	Fwds copy of "Protection of airships from Electric dangers" by Prof. G. S. Fulcher. Reqst comments. W Anacostia- Fwds copy of "Protection of Airships from elec dangers" by Prof. G.H.Folcher.2/17
474517	2/10	To S&A To Missouri Aero Society-Reqts return of shipment order to Bu as material called for has been returned. 3-12; RB 3-17;	Reqst shipment from Washington to St. Louis, Naval Entries Balloon Race, radio appr. RB 2/19 Missouri Aeronautical Soc.- Request disposition of papers. 2/17
475153	2/11	To S&A	Reqst shipt from Anacostia to Arcadia Fla. radio appr. W
475154	2/11	To S&A	Reqst shipt from Rockaway Beach to Airc Ph radio trans sets. W; RB 3-17; Rockaway 4/5

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
475156	2/11	To S&A	Reqst shipt from Cape May to Airc Phila radio appr. W RB 4/12 W. Cape May 2/23
475402	2/12	To CO Pensacola	Reqst report upon operation and performance of type SE 1414 receivers, as instaled planes at station. W Pensacola 2/25
475405	2/12	To San Diego.	Reqst report operation of receivers. W San Diego- 2/25
475151	2/13	To CO's	Inventory of vacuum tubes. Reqst advise quantity on hand. W
	Ham.Rds. 2/20		Rockaway 2/16
	Pensacola 2/21		Anacostia-Inventory of vacuum tubes. 2/18
	San Diego 2/25		Chatham 2/18
475157	2/12	To S&A	Reqst shipment from H.Rds to Airc Factory Phila radio appr. W RB 4/7 W.
475158	2/12	To S&A	Reqst shipmt from Pensacola to Airc Facty Phila radio appr. W RB 7/23 W.
475159	2/12	To S&A	Reqst shipment from Anacostia to Airc Fac Phila radio appr. W RB 4/7 W.

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AIRPLANES: RADIO 1920

Number.	Date.	From or To—	Subject.	
472759	1/31	To CO's Air Stations	Fwds copy of radio report NC-4 during recruiting trip and reqst comment as regards improvement of radio material W Pensacola - Comments on. 2/18	
472760	1/31	To Fleets	Fwds report. W	
473024	1/31	To S&A	Reqst shipment from Airc Phila to Carlstrom Field Fla radio appr. W	
473025	1/31	To S&A	Reqst shipment from Washington to Carlstrom Field radio appr. W	
473588	2/1	Dpt.	Request further recommendations as to adviseability of proceeding with instln test of internal antenna for hydrogen inflated air ships. fwd Operations 3/19	W.
473028	2/2	To S&A	Reqst shipment from Airc Phila to Washington Postoffice Dept. radio appr. RB 3/24 S	W

[OVER.]

Number.	Date.	From or To—	Subject.
318197	FROM CARD #155	STE 168	Cape May 2/2
	Rockaway 3/6		Cape May 2/2
	San Diego 3/4		Anacostia 2/2
	Ham.Rds. 3/5		8th Dist 2/3
	Anacostia 3/8		Coco Solo 1/26
	Ham.Rds. 3/12		Cape May 2/9
			Pac.Air Detachment 2/4 6 letters
	8th Dist - 3/11		San Diego 2/5
			Anapostia- 2/9
	Coco Solo Air Sta - 2/28		Rockaway 2/6
	Rockaway; 3-15;		Ham.Rds. 2/3
	Anacostia; 3-15;		To Pacific Fleet 2/11
TO CARD	8th Dist - 3/17		To Pensacola 2/11
	Anacostia 3/22		8th Dist 2/11
	Cape May 3/22		Rockaway 2/13
168 -A	Ham Rds. 3/18		Coco Sola 2/2
	Coco Solo 3/13		Pensacola 2/14
	San Diego Air Sta. 3/20		Pac.Air Detachment 2/11
	Rockaway 3/23		Cape May 2/16
	Atlantic Air Detachment 3/15		Anacostia 2/16
	8th Dist- 3/23		Atlantic Air Detachment 2/2
	Ham.Rds.- Weekly report 3/25 W		Coco Solo- 2/9
	Atlantic Air Detachment 3/21 W.		8th Dist 2/19
	Rockaway 3/30 W.		San Diego 2/16
	Cape May 3/29 W.		San Diego 2/17
	Anacostia 3/29. W.		Rockaway 2/20
	SanDiego Air Sta. 2/26. W.		Anacostia 2/24
	Carlstrom Field 3/30 W.		Atlantic Air Detachment 2/15
	Coco Solo- 3/22 W.		Ham.Rds 2/21
	8th Dist- 3/31 W		To San Diego- 2/26
	SHAWMUT 3/29 W.		Ham.Rds. 2/25
	Ham.Rds. 4/2 W.		8th Dist- Subm report 2/27
	Cape May 4/5 W.		Carlstrom Field 2/24
	Anacostia 4/5 W.		San Diego 2/25
	Ham.Rds. 4/5 W.		Anacostia 3/1
	Phila. 4/6 W		Cape May 3/1
	Rockaway 4/5 W		Pac.Air Detachment 2/27
	To San Diego- rel removal of trans		Pac.Air Detachment 2/25
	on Dirigible C-5 and replacement 4-		Coco Solo- 2/16
	Coco Solo 3/29 W.		Carlstrom Field 3/2
	8th Dist 4/8 W.		Phila 3/6
	Shipt order from H.Rds to Washn		Atlantic Air Detachment 3/1
	radio receivers. 4/10		8th Dist- 3/4
	HamRds. 4/8 W.		Cape May- 3/8
	Anacostia 4/12.		Atlantic Air Detachment 2/22
	Rockaway 4/12 W.		Coco Solo 2/23
	Anacostia 4/10 W.		
	San Diego 4/18 W		

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AIRPLANES: RADIO 1920

Number.	Date.	From or To—	Subject.
469999	1-19	To S&A	Reqt shipment radio helmets from Anacostia to Chicago. W RB 2/7
470465	1-22	To S&A	Reqt shipment direction finder complete from Anacostia. W RB 2/19 To S&A cancellation 1/26
470833	1-22	To Anacostia	Radio Research Problem. Electrostatic Effect on Dirigibles. W
471508	1;23	Anacostia	Palmer antenna for radio aircraft-fwds request of Lt C D Palmer for patent. W To Lt Palmer, via Anacostia. fwds copies of license 3/7/21 896 To CO Anacostia Fwds cc license 3/23
471912	1;19	Pac Air Det	Radio apparatus listed was lost when F-5 seaplane 4298 sank at sea.
472260	1;24	Hampton Rds	Fwds report of N.H.Esterly covering installation of radio apparatus on semi-rigid air ships. W
471513	1/26	To S&A	Reqst shipment from Washington to Airc Ph radio direc finder W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
471872	1/27	To Phila	Radio apparatus for Flying boats types H-16 A and F-5-L W	
472219	1/28	To S&A	Reqst shipmt from Anacostia to Airc Phila radio appr for Airc Factory Phila W RB 4/12 W	
472834	1;27	Anacostia	Combination of anti-phone and radio for large planes-submits sketch with comment on.W	
472847	1;20 1;26	Aircraft Fty Ord	Asks if satisfactory to relocate radio apparatus in aft compartment of NC seaplanes so that a machine gun can be installed.W	
472940	1;27	Aircraft Fyt	Request information re assignment of type No.1 modified batteries.W&L	
473296	1;30	Aircraft Fty	In connection with radio equipment for 30 HS-2 flying boats for Pensacola.W	
473387	1;30	Anacostia	Radio compass aircraft ignition disturbances-fwds report covering.W	
473388	1;30	Anacostia	Plane of polarization of waves from aircraft-submits conclusions reached.W	
473321	1;26	Inspr Fed V O I D		

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[OVER.]

AIRPLANES RADIO 1920

Number.	Date.	From or To—	Subject.	
467998	1/7	Annapolis	Spotting pland, non interference telephone transmission at audio frequency- subm report of Ensign E. P. Broe with sketches.	W.
468989	1/8 To Pac Fleet 2/12 To Cdt Phila 2/21 San Deigo-(T)-Rqst inform rel to W-shipt of wave meters required.4/20 To S&A-Rqst shipt radio appr from Washington to AROOSTOOK Pacf.Fleet. 1/27	24-771 PAC.Fleet Air Detachment	Request radio equipt listed be furnished. W. To S&A- Reqt shipment Aldis signaling search light from Phila to San Diego. 1-21 RB 2/11 Pac.Air Detachment. ? To Pac Fleet 2/2 To Operations- Info reqstd rel equipment 2/4 RB 2/10 To San Diego re shipt 4-23 W	
468293	1-12	To S&A	Reqt shipment transmitting sets from Chatham to Phila. W RB 2/19	
468294	1-12	To S&A	Reqt shipment transmitter from Rockaway to Phila. W ; RB 3-17;	
468297	1-12	To S&A	Reqt shipment transmitter from Cape May to Phila. W RB 2/19 Cape May-1.19 To S&A canc 2/5	
468298	1-12	To S&A	Reqt shipment transmitter from Hampton Rds to Phila. W ; RB 3-17;	
468299	1-12	To S&A	Reqt shipment transmitter from Pensacola to Phila. W	
468300	1-12	To S&A	Reqt shipment transmitting sets from Key West to Phila. W ; RB 3-17;	

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Number.	Date.	From or To—	Subject.	
468303	1-12	To S&A	Reqt shipment transmitting sets from Anacostia to Phila. W ; RB 3-17;	
465764	1-13	Fwd Dept via C&R	Apparatus for observing the approach of Aero Craft and Balloon antennaes for Wireless Communication. L RB-1;31	
381473	FROM CARD 103		Nav.Aircrft Facty.-Asks what steps have been taken to secure radio helmet. 1/15 To Airc Phila 1/29	
469454	1-17	To Rockaway	Radio Tel.Aviation.Reqts for test of inter-plane radio communication. W Rockaway - list of signals heard and messages sent and received - 5/5 - W	

AIRPLANES: RADIO 1919

Number.	Date.	From or To—	Subject.	
463846	12-19	To Phila	Aviation - Apparatus for Post Dept	
	Aircrft Facty- Fwds reports. 4/20/21		Aero Mail. W	
	W.		To S&A- Reqt shipment transmitter, magnavox set from Phila to Wash. Post Off Dept.	12-27
	Air Fty-4;27-W		Aircrft Facty. 1/2	
			To PO Dept 3-9-21	
			PO Dept-matl shipped by express-4;1-W	
463852	12-19	To 9th Dist	Aviation - Inventory of Aircraft	
			Radio Material. Reqts for. W	
			Great Lakes-1;19	
			Great Lakes 2/11	
363845	12-19	To S&A	Reqt shipment receivers-transmitting sets ammeters etc from Phila to Anacostia. W	RB 2/26
			Air Craft Facry 2/9	
			To S&A amenem canc 2/12	
			To Phila- Gives instrn 4/5	
	12-20		Advise re cost of material per sample	
464308	To Roebling's Sons Co		submitted in 5,10, and 15,000 feet. W	
	To American Steel & Wire Co.1-24		To Driver Harris Co- ditto. 12-20	
	American Steel & Wire Co. 1/20		To American Steel & Wire Co. 12-20	
			To Belden Mfg Co. ditto. 12-20	
			J. A. Roebling Son- Cannot manufacture.	12/23.
			Driver Harris Co.- Canno supply material.	12/24
			Belden Mfg. Co.- Returns sample of wire.	12/29
464419	12/7	Coco Solo	Request status of Dist. Radio materiall Officer, 15th Dist. in regard to aviation radio material for Coco Solo. W.	
			To via Comdt 15th Dist-Ensign O.E. Williams has been ordered to Coco Solo. 12-22	
464317	12-23	To Phila	Aviation - PAC FLTAir Detachment-	
	To Phila- Reqts prepare reqn for		Installation of radio on aircraft for. To	
material	required. 1-8		be equiped as those for the ATL FLT. W	
	Inspr Phila- Aircrft Facty rqsts		Inspr Phila- Recommends tubing be fwded to	
	material listed. 1/10		aircrft Facty. 1/3	
	Phila - 3/12		Inspr Phila-1;28	

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918 AIRPLANES: RADIO 1919

Number.	Date.	From or To—	Subject.	
465080	12-29	To C&R	Bonding of Loening type M-800 planes.	W
466213	12/30	C&R	Copy of letter to Anacostia giving instrns covering bonding of Loening M-8-0 planes, for radio. C&R- Copy of letter to Anacostia in conn with. 12/29	W.
466362	12/31	Anacostia	Subm list of instrns for shielding ignition system on NC-2.	W.
467036	1/3	C&R	Copy of letter to Constr Phila. giving instrns covering bonding of VE-7 airplanes for radio.	W.
465789	1-6	To S&A	Reqt shipment radio apparatus from Ny to Anacostia. W RB 4/28 W S&A 1/15 fwd S&A 1/29	
467622	1/2	San Diego	Reqst 10 radio receivers be furnished for installation on seater ships airplanes - W	736-40

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Number.	Date.	From or To—	Subject.
461941	12/5	Aircrft Facty.	Copy of letter to S&A listing shipts made on various SE shipt requests. W.
462060	12/4	Carlstrom Field	Request disposition of radio apparatus sent for instruction purposes. Cross 707 - 10-11. To S&A- Reqt shipment all radio material at Carlstrom Field to Phila Air Factory. 12-12 RB 6/11 Fwd S&A. 12-27 S&A 3/23
462123	12/8	To Inspr Airc Fac Phila	(T) radio installn not desired on N dash nine planes. W copy to C&R and Operations To omdt Phila- Auth to install radio on the ship's airplane now being prepared for service wit the ATLANTIC FLEET. 12-11 Inspr Phila- Lists material installed on ship's airplanes, Atlantic fleet. 1/5
462392	12/9	Washington	Request G.E.Co. be urged to expedite delivery of grid leaks to replace unacceptable ones for amplifiers. W.
462562	12-8	Anacostia	Submits weights of certain aircraft radio equipment. W
462790	12/10	C&R	Confirms telephone conversation in connection with furnishing insp. Garden City with instrns as to bonding, necessary to radio installation on M-8-O machine - W. Inspr Curt-12/9- C&R 12/15- Rel to bonding of radio equipt. W.

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Number.	Date.	From or To—	Subject.
462991	12/10	Navgn R. H. Booth- 2/1 W. Recruiting Sta. Nashville-Expedition sets shipt to Phila. 2/1 W 2/2 Recruiting Inspr Atlanta-Report cgv notices of radio outfits shipt. 2/5 W Recruiting Sta-Atl.-Inform rel to shipt of aircrft radio equipt. 2/8 W To Phila- dispostion of equipments 2/15/21	Reqst 6 radio sets as used in airplanes be fwd to Southeastern Recruiting Div. for exhibition purposes - W To S&A- Reqt shipment transmitting sets from Phila to Atlanta. 12-27 To Southeastern Divn- advise status 1-29-21 RB 3-5-21
462462	12-12	To Inspr Brook	Radio Telegraph- Procedure to be followed in groundeng for radio tel. Metallic portions of the wings of loeing Monoplanes being supplied the Navy Department. Copy to C&R- Supt. Constr. aircraft Ny. W Inspr Brook 12/15
462738 9 167	12-13	To Comdt Phila Phila - reqst instrns relative to fixed antenna on NC-3 - 3/2 Phila- Fwds hydrophone wiring diagram for NC boats. 3/5 X7361 Phila - 3/15 To Cdt Phila 3/18 Phila- Fwds wiring diagram, radio instln on NC-3. 3/27 W. X736 To Cdt Phila 4/2 Aircrft Facty-Fwds photos. 4/9 W.	Radio Tel-Aviation - Intercommunication sets for airplanes to be used in connection with the winter maneuvers of the ATLANTIC FLEET. Gives detail instructions for installations. W To Comdt Phila- Lists radio installation on Navy Seaplane NC-3. 12-15 Inspr Phila. 2/21 To Cdt Phila 2/25
463161	12-17	To Rockaway To - Notifies of shipment order for material listed. 12-23	Radio Tel - Aviation. NC-2 Equipment on. Advise as to the present equipment on. W Rockaway 12/18
463162	12-18	To S&A	Reqt shipment dynamotors from Phila to Wash. W
463163 192 card	12-18	To S&A American R/R/Corpn-Rqst authority retain until 10/1 8/31 W American Radio Resch. Corpn-Rqst authority to retain trasnmitter until 10/1 8/30 W. To -- Reqstd transmitg set be shipped to Phila 9-7 Airbrft Facty 9/2	Reqt shipment transmitter from Phila to to Medford Mass. W To Amer RR Corn. reqst return of trans 8/20 20 Property accountint Office 8/19 W To Airc Factory- dispostion 8/31/20 RB 9/23/20 W Amer Radio Research Corp; will make shipment by express; 8-26; W fwd S&A 9/24 American R/R Corpn 1/13 W To Airc Fac Phila 1-17

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
459266	11/22	To Inspr Phila	Fwds three copies of instruction book omitted from trans equipments recd from Hampton Roads. Reqst new change of material sheet be fwd, indicating that six transmitters complete in every detail. W Aircrft Facty- Fwds change of material sheet. 12/5	
459987	11-24 11-25	Airc Facty Insp Phila	HS-2 boats at Dahlgren will be fitted with standard Cutting & Washington installn. W	
459689	11/26	To S&A	Reqst shipmt from Bureau of Standards to Airc Phila 5 defective vacuum tubes. W RB 1/14	
460674	11/29	Western Elec.Co.	Understand Bureau will fwd drawings and specifications of Navy standard parts; subm Co's interpretation.	W
460567	12/2	To Anacostia	Asks record of expenditures be fwd monthly. W Anacosti 12/20 Anacostia 2/19 Anacostia 3/19 Anacostia 4/20 W. Anacostia 6/21 W Anacostia- 7/28 W. Anacostia 9/3 W.	

[OVER.]

Number.	Date.	From or To—	Subject.	
460847	11/26	Anacostia	Improper connection of wiring in radio telephone transmitter - fwds photos.	W
460900	11/28	Anacostia	Single circuit receiver has been tested on seaplanes, useless where ignition system of planes are not completely shielded to eliminate disturbances. Fwd Comdt Wash. 12-11 SEE 5069-629. RB	W 12/22
460579	12/2	To Inspr Brooklyn	(m) Inform Loening Aero Engr. Co Bureau authorizes electrical bonding specified by Lt. Palmer. W Inspr Keyport 12/9.	
460103	12/3	To Inspr Cleveland Via C&R and Inspr Pitts	Reqst details as listed be included in construction of MBT and MT types of planes. Confirmation of conv of rep of Bur + Martin Factory. W Copy back 12/9	
461545	12/3	Anacostia	Subm report of test on Airplane transmitter test sets. W.	
461492	12/5	To Anacostia	Reqst vacuum tube be referred to as "vacuum tube" also stating whether same is oscillating or non-oscillating condition in fwd reports. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
458443	11/17	Post Off.Dept.	Request delivery of 30 antenna suspension insulators be made to Dept. Representative who will call at Phila. Yd. W.
457829	11/18	To Pensacola 707-9	Reqst fwd brief summary of course of instruction given student naval aviators in re to operation and handling of radio apparatus on airc, also opinion as to whther course sufficient to qualify pilots adequately in use and manipulation of radio apparatus. W CROSS Pensacola-Subm summary of course of instruction.11/28 To Pensa- 12/5
415827	from card 151		Dept- Are completing station at Bellfonte.11/20
458592	11/20	To Inspr Cleveland via Inspr Pitts	Representative of Bu arrive factory Glenn Martin Co Sat morning, superintend bonding of metal parts on Martin bomber and Martin torpedo types of planes. W S

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
459080 8	11/18 11/20 Inspr Phila 2/12 fwd Inspr Ph 2/16	Aircrft Facty Inspr Phila.	Lists miscellaneous material recd from SHAWMUTT: request Bureau authority for del of. To Inspr Phila Reqst advise rel to excess material 11/22 Inspr Phila 12/1 Inspr Phila 12/31- Rqst action.	W
459349	11-20	Communications 876	Instructions effective Dec 1 covering tuning of radio apparatus for vessels and aircraft;	
455361 7	11/21	To Inspr Phila See #153	Fwds copy of Inspr Brooklyn letter of 11/19 for guidance in complying with SE shipmt reqsts including type SE 1173 insulators. W Ham.Rds. 1/5 Inspr Phila- Fwds change of material sheet. 12/8	W
458385	11/20	To S&A	Reqst shipmt from Airc Ph to Calstrom Field Arcadia Fla., radio trans set: W	
458386	11/20	To S&A	Reqst shipmt from Washington to Carlstro m Field Arcadia Fla., radio rec vac tubes batteries W	
458943	11/22	To Inspr Phila	Reqst advise concerning disposition of 760 silver key contacts, change sheet 234 of 3/17/19 1121 of 11/5/19. W Phila- 12/1	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
455622	11/10	To Anacostia	Assignment of design problem No 35, class B radio direction finder equipment for aircft. W	
			Anacostia 11-21 Submits recommendations covg changes in radio compass equipment. (Cross to 919)	
			To Anacostia. reqst specfns and drawings.	11/16 1920
457716	11/10	Anacostia	Remote control of aircrft radio telephone-report of test. W.	
457525	11/14 CANCELLED.	To Operations 707-10	Advises that pilots for planes be given advance training in sending and receiving as nec to substitute radio telegraph set in place of same when Fleets go south. W	
458112	11/13	J. P. Fitzpatric (?)	Copy of letter to C&R stating weights of Martin torpedo plane willhave to be revised if same are out-fitted with radio outfit weighing approximately 200 pounds. S.	
458193	11/14	Ham.Rds.	Fwds sample of wire sewed in tape to be used in conn with proposed loop antenna for dirigibles. W Cross 875	
453225	11/19	To S&A	Reqst shipmt from Phila to Bellefonte, Pa. Landing Field 1500 ft silicon bronze antenna W	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
318197		from card 144 111-124-130-56	
		Atlantic Fleet 12/23	Anacostia 11/10
		Atlantic Air Detachment-Weekly report. 12/23	Pensacola 11/10
TO CARD		Ham.Rds. 12/23	Pensacola 11/10
162		Rockaway 12/20	San Deigo 11/8
		San Diego 12/22	Cape May 11/17
		Cape May- 12/22	Pensacola 11/17
		To PAC FLT AIR DETACHMENT. 12-29	Anacostia 11/17
		Anacostia 12/29	8th Dist 11/19
		Pac. Air Detachment ?	Hamp Rds. 11-19
		Pensacola 12/22	San Diego 11-17
		Cape May- 12/29	Coco Solo 1 11-12 Fwds photo.
SEE 166		Anacostia 12/15	Kirkpatrick 11-17- Weekly report
		Coco Sola 11/13.	Cape May 11-24
		Atlantic Air Detachment 12/27	8th Dist. 11/28
		8th Dist- 12/21	Ham.Rds. 11/28
		San Diego 12/30	Anacostia 11/24
		Ham.Rds. 1/2	Rockaway 11-28
		Anacostia 1/5	Anacostia 12/1
		Cape May 1/5	San Diego 11/28
		Rockaway 1/5	Ham.Rds. 12/2
		Atlantic Air Detachment 1/3	To Pacific Fleet weekly report 12/5
		Ham.Rds. 1/6	To Atl Fleet 12/5
		Pensacola 1/5	Pensacola 12/3
		Anacostia. 1/10	Rockaway 12/5
		San Diego 1/8	San Diego 12/2
		Anacostia 1/12	Anacostia 12-9
		Ham.Rds. 1/14	Cape May 12/8
		SHAWMUT 1/10	Anacostia 12/8
		Coco Solo 12/27	Cape May 12/1
		Coco Solo 1/6	To San Diego- 12/10
		Pensacola 1/12	Rockaway- 12/8
		San Diego 1/14	Ham.Rds. 12/11
		Cape May-1;19	Pensacola 12/8
		Anacostia-1;19	San Diego 12/8
		8th Dis-1;21	To Operations. copy to San Diego. 12-16 RB 12/23
		SanDiego-1;20	Rockaway 12/12
		Atl Air Det-1;19	Cape May 12/15
		Cape May-1;26	Ham.Rds. 12/16
		Anacostia-1;26	To Cape May 12-20
		Anacostia-1;26	Pensacola 12/19
		Coco Solo-1;19	San Diego ?
		Rockaway-1;30	Pac Air Detachment ?
		Pensa-1;29	Anacostia 12/22
		To Cape May 1/30	San Diego 12/18
		S&A-1;27	Air Detachment 12/17
			Coco Sola-1;13
			Key West-1;26

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
455618	11/5	To J.Hays Hammond Jr.	Constants enclosed for information, applying only to single wire training antenna. F-5-L seaplane used at N.L. have approximately same same antenna constants as type H-16 seaplane. W	
454899 8	11/4	To S&A To Gives amendments to order. 1-8 To S&A-Gives amendments to order. 1-9 S&A 2/14	Reqst shipmt from Phila to H.Rds radio appr. W RB 12/31 Aircrft Factory 11/17 To Phila rel to orig ship order 11/22 Aircraft Fty-1;24.	
454900	11/4	To S&A	Reqst shipmt from Washington to H.Rds radio appr. W RB 11/20	
454901	11/4	To S&A RB 3/30 W	Reqst shipmt from Phila to H.Rds radio appr. Aircraft Factory - 12/10 To-Gives amendments to order. 1-9 RB 3/30 W	
454913	11/4	To S&A	Reqt shipmt from Washington to H.Rds radio appr. W RB 11/20 To S&A canc 2/4	
455353	11/3	To S&A	Reqst shipmt from Phila to H Rds radio appr. W R B 11-25 To- Gives amendments to order. 1-9 RB 6/11	
455356	11/3	To S&A	Reqst shipmt from Washington to H Rds radio appr. W RB 11/20	
455359 7	11/3	To S&A RB 3/30 W To Gives amendments to order. 1-9	Reqst shipmt from Phila to H Rds radio appr. W To Gives amendments to order. 1-9	RB-2;2 RB 3/30W

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
455360	11/3	To S&A	Reqst shipmt from Wash to H Rds radio appr W RB 11/20	
455 361	see 156			
455358	11/3	To S&A	Reqst shipmt from Wash to H Rds W RB 11/20	
455988	11/6	To Anacostia	Assignment of type numbers to aircraft transmitting equipments W	
455995	11/6	To Operations	Rel to tests with Loening monoplane W	
456534	11;5	Post Office Department	Desires to purchase 10 type B amplifiers, payment to be made when transfer funds. To S&A ship from Wash to Post office Dept 10 airc radio ampl 11/14	W
457032	11-8	Ordnance 736-54	Confirms phone convsn rqstg 2 HS-2 flying boats to be delvd to Dahlgren be fitted with standard radio equipment.	W

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[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
453852	10/25	To S&A	Reqst shipmt from Akron to Airc Facty Ph all radio appt. W RB 2/19 To Akron (T) 11/7 Akron- Fwds shipt list of radio material shipt. 11/18 To S&A ship from Airc Ph to SO Ph ampl 11/22 Akron-(T)-Asks if all radio apprs should be shpt to Aircrft Facty. 11/4
453853	10/25	To NC-4	Reqst submit dimensions of mounting and best location of wind driven generator, based on practical experience for installn. Expedite same. W To NC-4 (T) Expd report 11/14 Navgn 11-24 Re to location of wind driven generator on NC flying boat. To NC-4 (T) 11/24 Navigation- Fwds report of NC-4 flotilla on operation of radio compass on. X 919. 11/26
454357	10/28	To J.H.Hammond Jr.	Subm antenna constants for info. W To S&A shipmt reqstd from Phila to H.Rds airc trans helmets stor batteries 11/3
454505	10/30	To S&A	Reqst shipmt from Phila to H.Rds airc radio trans sets. W RB 11/20 RB 3/20/20 W To S&A- Gives amendments to order. 1-9
454506	10/30	To S&A	Reqst shipmt from Wash to H.Rds radio appr. W
454507	10/30	To S&A	Reqst shipmt from Phila to Phila Yd radio appr W To S&A-Gives amendments to order. 1-9
454509	10/30	To S&A	Reqst shipmt from Wash to Yd Phila radio app W RB 1/2

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AIRPLANES: RADIO. 1919

Number.	Date.	From or To—	Subject.	
455040	10/27	To Bureau Standards	Fwds copy of semimonth y reports of radio for aircraft. W.	876
454896	10;31	TO S&A	Reqst shipment of airc radio transm. vacuum tubes and storage batteries be held at Phila in readiness for placing on brd USS SHAWMUTT. CO SHAWMUT 11;6 To SHAWMUT -matrl held at Ph 11/8 To S&A 12/19 To CO- Confirmation of telephone conversation re shipment of material. 12/12/19. 12-23 To Phila 1/28	TO CARD 167
454897	10;31	TO S&A	Reqst shipmt from Wash to Phila of radio rec sets batteries, and vacuum tubes.	
455352	11/1	To S&A	Reqst shipmt from Wash to Hampton Rds radio app for instaln SOPWITH CAMEL SOPWITH STRUTTER and HS 2 flying boat. W RB 11/20 RB 12/31 To-Gives amendments to order. 1-9 RB 4/26 W To S&A req shipmt from H.Rds to SHAWMUT air radio helmets 1/27 RB 3/26	
455869	10;31	Anacostia	Navy test on HS-2 of radio apparatus and recommendations for the training of pilots. W	
455361	11/3	To S&A	Reqst shipmt from Phila to Phila Yd radio appr for SHAWMUT. W Aircrft Facty- Ask if Bur will furnish insulators. 11/14 To Inspr Brook asks expd delivery to Ph 11/18 Inspr Brook- Status of shipt of insulators 11/19	

To S&A- Reqt shipment transmitter etc from Phila to Hampton Rds. 12-31 To S&A-Gives amendments desired to order of 12-31 12-31 Shipt order 12/31 RB 6/28W To S&A- Gives amendments to order. 1-9 Aircrft Facty- Ask if radio helmets will be shipt to aircrft Facty. 1/14 To A.C.Fac. Phila. 1-17

To S&A-Reqt shipment antenna reels insulators from Phila to Hampt Rds. 1-2 RB 9 /24 W.

See 156

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
451108	10;17	McCook Field	Recs 12 volt gen equip be cont as stand.	W
450994	10/16	To S&A	Reqst shipmt from Washington to Anacostia radio appr for Airc Radio Lab W RB 10;24	
452681	10;16	Anacostia	Special instal of aircraft transmitter, submits photos with comments on. W Anacostia 11-22 Fwds photo with report	
452617	10;16	Anacostia	Reduction of ignition disturbance on radio compass, fwds photos with report cov. 9'4	W
452676	10;16	Anacostia	Test of type SE 1370 transmitter, sub photo and report covering.	W
452675	10;13	Anacostia	Submits table of dimension of aviation equip.	W

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Number.	Date.	From or To—	Subject.	
453223	10;24	P O Dept	Reqst certain material. W	
453225 see 155			TO S&A-Reqst shipmt from NY to Pa of bronze antenna and insulators. 10:22 To S&A canc ship order 10/22 11/15	
~~453652~~	~~11;4~~	~~Akron~~ ----Tel----	~~Asks if all radio apparatus should be shipped~~ to Aircraft Factory.	
453606	8;27	CO CHATTANOOGA	Copy of letter to Dept fwd copy of letter from Alliance Airplane Co reqst data on wave length and schedule of naval radio station. W	
454337	10;23	Airc Fcty	Fwds photos and detailed report cov radio instal on F - 5 Flying boat for Atlantic Fleet.	DAW
454357	10;23	J Hayes Hammond	Asks certain information concerning constant of aeroplane antenna used at New London.	W
453207	10/24	To S&A	Reqst shipmt from Washington to NC-4 radio vacuum tubes. for use amplifers. W	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
447781	9;25	Anacostia	Sub radio report on H-16 to 38 W To Anacostia- reqst investigations- 10/1 Anacostia-Sub report of test. 10;9 Anacostia- Report of further test of Palmer antenna. " 12/9
447719	9/26	To NY	Disposition of apparatus belonging to GE Advise action taken. W New York 10;20
447723	9/26	To Airc Radio Lab Via CO Anacostia	Fwds prints. W Anacostia 11-21 Rec covg contact button in end of transmitter.
448069	9;27	C&R	Elec Bonding of Internal Wing Trussing, reqst claus Cov be fwd to be incorporated in spec. W To C&R- suggestions clause to be inserted in elec bonding of brace wires of airplanes 9/30
447733	9/27	To Anacostia	Radio Telegraph- Aviation-Interphone Sets. Req investigation with view of improv apparatus now installed. W To Anacostia-Reqst preliminary report be fwd. 10;13
448026	9/29	To S&A	Reqst shipt from Phila to Washington radio condenser OW

AIRPLANES

Number.	Date.	From or To—	Subject.
447737	9/30	To Radio Lab via CO Anacostia	Change in subm semi-monthly radio report of progress- reqst subm monthly- W
448037	10/1	To S&A	Reqst shipmt from Washington to Anacostia airc radio recivers. vacuum tubes radio batteries. W
448669	10/2	To Airc Radio Lab Anacostia	Reqst representative be present conference held in Radio Divn on 15th of each month. W
448677	10/4	To Anacostia	Reqst types of appr as listed and table showing weights be compiled and fwd to Bureau W Anacostia-Sub table of weight of aviation tel equip. 10.10 Anacostia- Subm table of weights. 12/10
448678 to Card 165 415827	10/4 To Atl Fleet- change in wave lengths 2/5 To Phila 2/6 Phila 2/14 FROM CARD131 To 9th Dist- fwd copy of Postof letr of 11/4/19 11/10 To PM Genl- Should take up with Comm in conj with Air Mail Service 11/11 cc to Comm To Comm- fwds PM letr 11/11 cc to 9th Dist To Otto Praeger- data re tests 11/24	To Anacostia	Change in wave lengths- SE 1300 transmitter- Report reqstd. W Anacostia 11-24 To Cdt Phila 2/18 To Anacostia 1/27 Anacostia 1/3 To Pac Fleet 2/5 To Cdt 9th Dist (T) 10/14 Great Lakes 10/27 States preliminary test made on new set indicates very satisfactory transmission. 9th Dist. 10/29 To Post Office Dept-In con with 5 k w transm. 11;1 To PM General- quotes from report 11/4 Post Office Department 11;4 Post Off Dept-11/7 To Com- 11/24

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
446026	9-10	San Diego	Rqst 1 SE transmitter and receiver be furn Sta for use on class C dirigibles. To San Diego- data re installn of internal antenna 11/12	DA W
445911	9/19	To Akron (T)	Arlington sending eleven AM two PM and three PM seventy fifth meridian summer time period Nine hund fifty two meters five K W Chicago wave length fifteen hundred W	
446327	9/20	To Rockaway Beach CSeNC-4 (T)	Authority draw one SE sixteen ought five B amplifier from N.Y. Yard grnted if available period one ampl being shipt SO Navy Yard Boston for ISABEL W	
390065	FROM CARD 110		Fwded S&A- Matrl ship collect. Bur issued shipt ord covering shipt of matrl. Letr of 8/19 canc SO of 1/31 9/22	
446388	9/22	To Cdt Pensacola	Req semi monthly rpts of station Pensacola be exmnd for any disclosures relating to investigations of radio phones carried on by B. F. Miessner formerly radio aide with Navy W.	896

Number.	Date.	From or To—	Subject.
447282	9;19	Anacostia	Reports on radiation of sigs. W Anacostia 11-22 Submits photo with report
446395	9/23	To Great Lakes	Service in com with Post Office Aerial Mail Service- Reqst take steps for tuning and providing wave lenght on 1000 meters on spark sets at stations given- for trans on schedules will be instituted by Director Naval Communications W 9th Dist 10:8 9th Dist 10:17 To 9th- ship made from Boston 10/13 10/23
446820	9/24	To Cdr NC-4 936-19	Reqst reports during recruiting trip of NC-4- W
447568	9;19	Anacostia	Reports on instal of radio aircraft. W
447710	9;25	Post Office Dept	States have on hand at Newark, N. J. six radio masts, understand dept will be able to use. W

Number.	Date.	From or To—	Subject.	
422183	8/30	To S&A	Req ship from Washington to Phila 150 Magnav radio airc transmitters W RB 10:22 Aircrft Facty- 5/1 W	
444323	9-8	N. L. (T)	Will have F-5 ready to fly Tuesday morning. W	
444436	9-6	Airc Facty	Streamline insulators for Skid-Fin antenna Fwds sample- Rec be tried out. W	
439684	8/11	?	Operations 9/5 Directs radio receivers be experimented with during balloon race. DA-W	736-17
443695	9/8	To Anacostia	Reqst fwd separate reports of all experimental and research work accomplished at Lab. W	
422771	9/10	To S&A	Req ship from Washington to Akron radio telg apparatus W	

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
444984	9/12	To S&A	Req ship from Phila to Washington airc tel sets W	
444987	9-13	To Akron (T)	Radio transformer expressed from Fleet Supply Base Sept.Loth. W	
445245	9/15	To S&A	Reqst shirt from Fleet Base to Akron, one radio transformer. W	
445240	9/16	To Akron (T)	If loop experiments for free balloons satisfactory make three sets and have them taken to St. Louis Other apparatus goes by special messenger from here If experiments not entirely satis wire Bur immediately. W Akron 9-17 (T) Tests of loop aerial satisfactory.	
445896	9-16	C&R	Loaning M-8-O- Drawings of radio set. C&R -Reqst action 10:20 To C&R- fwds sketch 11/15	W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
442058	8;22 8;25	Airc Fcty Phila	Reqst auth for expenditures for repairs to storage batteries. W	
441412	8-25 To S&A amend of SO of 8/25 9/16 Inspr Brock-Fwds copy of cont in voice. 10;6	To S&A	Rqst shpmt from Inspr Brooklyn to Airc Facty radio app for general store, as listed. W Inspr Brock 9-8 Gives corrections in list of matrl shipt. Inspr Brock 9-13 States will make a total of 16 keys. Inspr Brk-Fwds copy of cont invoice.	
441423	8-27	To Anacostia	Desire to test desirability, practicability and danger to be incurred in installing fixed antennas on dirigibles with view to making this method the standard. W Anacostia 9-2 Submits report. To Opr via C&R- re tests 9/8 cc to Anacostia and H Rds- Received back from Dept 10;13 To Naval Operations-Fwd 10;22 R B 11-22	
415135	From Card 131 Inspr Phila- 3/25 Phila. 4/7 W. Insp Phila - 5/5 - W		Naval Airc Fcty-Sub change in material sheets. 8;26 W Inspr Phila 9-16 Inspr Phila - 9;20 Airc Fcty-Fwds change in material sheets. 10;3 Inspr Phila 10/15 Inspr Phila. 10/22 Inspr Phila. 10/27 Inspr Phila. Fwds change of material sheets. 11/19 Inspr Phila -12/4 Inspr Phila. 12/9 Aircrft Facty. - Fwds change of material sheets. 12/16 Aircrft Facty -12/23- Fwds change of Material sheets. Inspr Phila. 1/8 Inspr Phila 2/18 Inspr Phila. 3/1 Phila 4/22 W.	

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Number.	Date.	From or To—	Subject.
378432	FROM CARD 101		Anacostia 8-28- Semi-monthly report of prog. Anacostia 11/12 Anacostia monthly report 2/14 Anacostia - monthly report of aircraft lab. - 3/13 Anacostia 5/3 W
441889	8/27	To S&A	Req shipmt from Airc Factory Phila to Akron two radio storg batteries W
443306	8-7	Inspr Brook.	Fwds shipping reports for Aircraft Radio Material for week starting 5/31 to 8/2. W
405680	FROM CARD 123		To S A req ship from Phila to Coco Solo radio app for station 9/2 R B 9-13 Shipmt order of 9:2 RB 10;23 San Diego 4/15/21. W. To San Diego Fwds Corr listed 4/23

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Number.	Date.	From or To—	Subject.
436583	8/7	To S&A	Req shipmt from Anacostia to Schenectady three type airc radio trans sets. W
437917	8/8	To Cdt Key West Tel:	Orders dated 6/25/ Gunner Z. W. Cornwell report Cdt for further trf to Naval Air Station period has he rept W
437918	8/9	To Bureau Standards	Req sub transmitters type 1100 and 1130 for test W Bu Stand-Report of test transm. W 8;12
438699	8/13	To Bu Standards	336-3 Fwds copy of report made by Lt. M.H. Esterley on effect of brush discharge on explosive mixtures used on lighter than aircraft. Asks comments W BU Stand-Sub further report. W 8;14
439354	8;12	Bu Stand	Modulator test of radio transm, type CG 1410, report cov. W
4207	8/8	Inspr Westinghouse	Fwds test reports on airplane radio generator. S 629

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
437920	8/15	To Operations via Anacostia	Quotes from semi-monthly report of progress Airc Lab in re to research Problems. Asks when can resume expr flights at Anacostia W RB 8;25
437919	8/16	To Postoffice Dept	Fwds drawings and spec for Aircraft Radio compass control panels type SE 1441-A W
441085	8;21	C&R	Sub infor re dimensions of capacity etc. on ship brd seaplanes and airplanes. W
441283	8/20 8/21	Aircrft Radio Labr. Anacostia	Underground system for aircrft work and report covering progress. W. Cross 875. Anacostia-Fwds sketch of circuit for antenna loop barrage with rejector. W 11;1 Anacostia-Fwds sketch with report. 10;29
441579	8;23	Welding Storage Bat Co.	Fwds invoice cov 26 battle ships to radio lab, Hampton Roads. W

Number.	Date.	From or To—	Subject.	
436570	8/2	To Glouchester	Can find no record of SE reqn 1007 covering helmets. Asks fwd more definite info. W	
437358	7;30	War Dept	Fwds pamphlet on airplane radio tel set.	W
436577	8/4	To Inspr Naval Airc Facty Phila	Req all airc radio material be removed from flying boats type H-16 and F-5-L upon sale of these planes, as outlined letr of 8/1 to Operns and matrl placed in store, reprt made covering W	
342510	8/5	Fwd Inspr GE	Material reqst under shipment order was to be taken from contract 40836 with GE Co covering airc radio transmitters type CG-1104-A W S&A - 3/19 fwd S&A- 2/16/1921 RB 2-25	
431381	8/5	Fwd S&A	Rel to shipment order of 7/11/19, req return of papers. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
377381	8/5	To S&A	Reqst cancellation of shipmt order of 12/18/18 from Wash to Suffield, of 25 radio stor batt	
437201	8/5	To S&A	Reqst shipmt from Brooklyn to Washington two sets of Van Dycks Navy order N-4207- W Inspr Brklyn-Fwds ship report. 8;15 fwd Insr Brook 8/20	
437209	8/6	To Bureau Standards 908	Reqst Airc Radio Lab conduct comparative tests between double Heterodyne and Acceptor Rejector systems to determine which system best adapted for elimination of interference from sta trans on wave lengths which close prox each other. Radio research problem No 27- W	
437211	8/6	To Bureau Standards	Assigns radio research problem No 28 to buried loop antenna, recently investigated by Gunner E. T. Jones, New Orleans. Asks conduct tests W Anacostia- Suggest cancell problem 28.11/2 W To Anacostia Concurs 11/3/20	
47452	8/4	To Inspr Keyport	States have detailed Naval Off. to investi- gate and satisf adjust inst'n of radio equipt on seaplanes. DA	629

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[OVER.]

Number.	Date.	From or To—	Subject.	
435151	7/28	To G E Co	Reqst Bureau Radio for Airc Section be furnished copies of photos, listed W GE Co 8;13	
432564	7/18	To Sec Navy Opr	Rel failure of radio compass on the NC-3 states facts ascertained after investigation into all circumstances DA	736-19
435150	7/29	To Ph via Operations	Reqst fwds photos listed to Radio Section W	
435100	7/22	Aircraft Factory	Lists radio apparatus received from G. E Co. Asks on whose auth shpmt made. DA To Inspr Radio Matrl via Inspr Phila- Material listed in ltr 7/22 was purch from British Govt- No contract was made-	736-8 7/28.
N-2916	7/22	To Inspr Brook	Reqsts obtain statement from Marconi Co regarding the exact characteristics of the aircraft antenna for which transmitters SE 1100 being supplied in order 2916 were designed. W-S. Fwd S&A. 7/22.	629

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
435658	7/30	To S&A	Req shipmt from Washinton to Bureau of Std airc amplifier W
436080	7/30	To Lt. Sadenwater Tel: 736-19	Before returning to Wash inspect NC-4 to determine material required and time necess to get radio outfit in working order as for trans-atlantic flight period, obtain whereabouts of NC-4 from Inspr of Engr Material N.Y. W Lt H Sedenwater-Report of inspec of radio instal. 8;8
436535	7;30	Post Office Dept	Rqst infor as to possibility of Navy Dept furnishing 17 control boards for use with receiver. Cross to 685. W
436588	7;31	C&R	Minutes of meeting held in con with location of radio outfit and operation on NC-5, 6 and 7. W
436214	8/1	To S&A	Reqst shipmt from Anacostia to East Pitts two Magnavox transmitters W To Westinghouse. 8/27/20 reqst return of apparatus to Anacostia Westinghouse E/M Co.- 9;27 W.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
318197		FROM CARD 130	Key West Weekly Report	7;19
			Brunswick	7;22
		Chatham Weekly report 9;20	Chatham	7;21
		Cape May 9;22	Cape May	7;21
		Anacostia 9;22	Rockaway	7;25
		San Diego 9;18	Miami	7;26
		Hampton Roads 9;24	Chatham	7;28
		Hampton Roads 9;16	Key West	7;26
		San Diego 9;20	Cape May	7;28
		8th Dist 9;24	Anacostia	7;30
		Brunswick 9;26	Cape May	8;4
		Cape May 9;29	Anacostia	8;4
		Anacostia 9;29	Coco Sola	8;4
		Pensacola 9;29	Chatham	8;6
SEE CARD		Hampton Roads 9;27	San Diego	7;26
		Chatham 9;29	Cape May	8;4
#155		San Diego 9;27	San Diego	8;2
		Cape May 10;5	Chatham	8;11
		Anacostia 10;6	Anacostia	8;11
		Rockaway 10;6	Hampton Roads	7;11
		Pensacola 10;8	Anacostia	8;18
		Hampton Roads 10;6	Coco Sola	8;18
		San Diego 10;4	Cape May	8;18
		Anacostia 10;13	Chatham	8;18
		Cape May 10;13	Miami	8;18
		Chatham 10;14	Hampton Roads	8;19
		Pensacola 10/15	To Miami-Reqst disposition of two radio rec.	8;23
		Hampton Roads 10/11	San Diego	8;16 (RB 8;28
		Cape May 10;20	Anacostia	8;25
		Anacostia 10;25	Miami	8;25
		San Diego 10/18	Hampton Rds	8;28
		Pensacola 10/20	Naval Airc Fcty-Sub report on airc radio material installed on flying boats.	W 8;27
		Ham. Rds. 10/20	Cape May 9-2	
		Cape May -Weekly report 10/27	Anacostia	9-2
		Anacostia 10/27	Pensacola	9-2
		Pensacola 10/27	Hamp Rds Weekly report	9-2
		S&A 10;25	Chatham	9-3
		Cape May- 11;3	Cape May	9-8
		Pensacola 11-3	San Diego	9-6
		Hamp Rds 11-1	Cape May	9-15
		Cape May 11/10	8th District	9-15
		Hamp Rds 11-12	Chatham	9-15
		Mare Isl 11-6	Pensacola	9-16
			Anacostia	9-15
			8th Dist	9-19
			Anacostia	9-12

AIRPLANES; RADIO

Number.	Date.	From or To—	Subject.
434069	7/22	To GE Co Tel:	Have Baker bring twenty five seven hundred fifty volt fuses and bottle of bakelite W
433727	7/23	To Montuak via Opr	Req photos be fwd to Bu Radio Sec W
434070	7/25	To Opr	Asks which stations go out of commsiion and if advisable to ship airc radio appr from these stations to Ph W RB 7;31
435636	7;26	C&R F.G.	Sub characteristics secured from Italian Military estab in con with radio equip. on airship. W
435690	7;26	Bu Stand	Fwds discussion on Naval Airc radio by S Johnston, also report of airplane sig for mail service of Post Office Dept. W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
433507	7;17	Dept	Reqst in future be furnished with 25 copies of each drawings, plans etc. contained in monthly report. W
433717	7/19	To Cape May	Req print of photos be fwd to Airc Section. W
431388	7/18	To Commun	Reqst info re correctness of wave lengths and re any contemplated changes in standarization W
431387	8;7	Pensacola	Fwds photos. W
434288	7;16	British War Mission	Fwds invoice and ship notices cov radio equip delivered to Navy Dept. W fwd S&A 8/20
433718	7/19	To S&A	Reqst shipt from Brook to Washn instruc books for radio airc trans sets W
433165	7/19	To S&A	Reqst shipt from Schenectady to Phila nine radio transmitters W RB 11;4 Inspr GE 4/15 W.
433726	7/22	To NY via Operations	Req print of photos fwd to Radio for Airc Sec W Copy RN 7;29 R B 9-18
	Nav-Fwds seaplanes equip photos on Texas.		
433728	8;11	Miami	Fwds photos. W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
433729	7/21	To S&A	Reqst shipt from Anacostia to Washington three Magnavox radio trans sets W
433727	7;23	To S&A	Received back 7;28
434539	7;21	Bu Stand	Research propelling number 3, airc ignition disturbance, comments on mthod of. W
433716	8;4	Inspr Brook	International R T Co fwd instruc books via express.
434573	7;7 7;21	Atl Air Detachment Atl Fleet	Sub report of failure of antenna switch instal of F - 5 seaplane. W
434875	7;21 7;22	3rd Dist Com	Sub report of arrival Brit Dirigible R-34 at Roosevelt field, furn material for, etc.

AIRPLANES: RADIO

1919

Number.	Date.	From or To—	Subject.	
431100	7/11	To Anacostia	Reqs prints of photos be fwded radio for aire section. W Anacostia-Fwds photos. 8;5	
431102	7/11	To San Diego	Reqst nine copies of photos be fwd to Bu W	
431107	7/10	To S&A	Reqst shipt from Pensacola to Phila defective dynamotors W R B 9-3	
431101	7/11	To Key West	Req nine copies of photos be fwd W	
432149	7;6	Bu Stand	Devel for radio comp in aircraft, report of inspec trip for Eng and France. with prints.	W
432540	7;14	Bu Stand	Reqst small planes for sporting purposes, type flown off turrets of Miss and Texas be made available at Anacostia for radio work. W Fwd Operations. 7-16 R B 7;28	

[OVER.]

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
431381	7/11	To S&A 736-8	Req ship from Brunswick to Phila radio apparatus for stock Airc Facty W RB 12/18 Brunswick - 7;25	
428744	7/15	To S&A 736-8	Req ship from NY City to Airc Facty Phila six cases spare parts for motor gen W Inspr Keyport 7;30 To S&A canc of SO of 7/15 8/9 RB 11;7	
429001	7/14	To S&A 736-52	Req shipt from Phila to Akron wire and cable for air station Akron on dirigibles W	
432842	7;12 7;15	Airc Fcty Inspr Ph	Conf tel conv in con with radio app for F-5 boat.	W
431387	7/17	To Pensacola via Opr Photo	Req print of photos be fwd to Bu. W Dept 7;21-Copy of their action on Bu letter of 7;17	
432741	7/17	To Aviation 746	Desires obtain number of cuts shown on training manual radio for airc pub by Opr Aviation W	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
429967	7;2	Bu Stand	Report of test for rec type CW-1298	W
428988	6/30	To S&A	Reqst shipt from South Brooklyn to Phila six crates radio material one spare radio set W RB 12/18	
429957	7/5	To Rockaway Beach via Operations	Reqst prints of photograph RV 580 be furnished to Bu Radio for Airc Section. W RB 7;11	
429372	7/1	To S&A	Reqst shipt from Phila to Hampton Roads 1000 ft model W wire W RB 7;23	
429953	7/5	To S&A	Req shipt from Brooklyn to Phila 35 type SE 1100 airc trans W; RB 3-17; Inspr Bklyn- 8;14 Inspr Brook 9-9 Amendment of shipt order 4/10/20	
429946	7/7	To Cape May	Complete report of operations of radio app on Dirigible C-8 on date of loss desired. W Cape May-Report of operation of radio app on C-8 Cross to 736-3 7;10	
429958	7/7	To Hampton Roads	Reqst serial no of airc radio trans type SE 1380 assigned to H.Rds W Hampton Roads-No sets available. 7;14	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
430498	7/8	To Inspr Phila	Fwds copies of photos W	
431012	7;7	Bu Stand	Comparison of West Elec and magnavox transmitter, report cov.	W
429963	7/9	To Rockaway	Reqst prints be fwd to Bureau, radio for airc section W To Rockaway, via Operation-7;9-Copy of Dept 1st endorsement to Rockaway.	
431588	6/16	European Forces	Submits report of visit to British Exp Radio Sta and status of investigation. W.	652
431098	7/10	To CO Hampton Roads, via Operations Aviation.	Reqst prints of each of photos be fwd to Bureau Radio for Airc Section W Dept-Copy of their action on Bu let of 10th. W	7;21
431831	7-15	To S&A	Reqt shipment 24 vacuum tubes from Wash to General Elec Co. W	
432252	7-14	To S&A	Reqt shipt transmitters aircraft from Hamp Rds to Phila Air Craft factory. W	RB 10;14
432259	7-15	To S&A	Reqt shipt transmitters and spares from brook to Phila Aircraft factory. W	RB 12/9
	Inspr Brook-Will cont shipmt against contracts. 10;1		Inspr Brook 9-9 Reports on shpmt of transmitting sets.	

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AIRPLANES: RADIO

1919

Number.	Date.	From or To—	Subject.
427392	6/23	To Operations	Lists requirements during year 1920 radio experimental development. W To Opr- expr in progress 6/26 Dept 6;30-Instruction con with exp work on radio cont torpedo. Cross to 791
427656	6/23	To Hampton Roads	Orders issued Ensign C D Palmer for duty H. Rds in conn w selection of apparatus at present installed at H.Rds for use Anacostia. W
427668	6/24	To Norfolk	Reqst invoice E-103-19 covering two airc radio receivers tubes helmets & batteries be returned to SO Wash as material taken special messenger to Fleet Air Detach and later returned to Bu W
427955	6;3	Bu Stand	Fwds copy of report and experiments on throat transmitters at Lab Bu Stand by J L Bernard, asks if Bu will claim. W Cross to 896
428191	6;23 6;24	Airc Fcty Phila	Conf tel conv in con with disposition of radio airc compass coils for class D dirigible W
428220	6;23	Phila	Fwds airc antenna constants by G E Co rep at Cape May. W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
427561	6/25	To European Forces F.U.	Reqst drawings be obtained from British and French Govt of types of radio equip used by Allies at field batteries in conn with fire control fro aircraft. W European Forces- Fwds prints on various app 8;9 Naval Intelligence 9-20 Fwds data obtained from Naval Attache Paris.
428190	6;23 6;24 Smithzonion Inst. 7;27	Airc Fcty Inspr Phila	Conf tel conv in con with shipmt of airc radio material listed for Smithzonion Inst. W Cross to 787 - 6 To S&A rew ship from Phila to Washn radio app for Smithsonian Inst 6/28 Shipmt Ord 6;28
428497	6/27	To S&A	Req ship from Norfolk to Washn radio compass amplifiers W S&A 7;17
428989	6/30	To Fleet Base p	Reqst radio set as reported by Lt C G Little used trial flight of dirgl C-5 be retained in stock disp by Bu. W
425565	6/24	Cape May	Not feasible to instal coil antenna with 724 present facilities.
429375	7/1	To Phila	Fwds three copies of photos. W neither Bu or GE have any record of 21394-

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
426785	6;19	Bu Stand	Sub report of vibration test on transm.	W
425478	6-17	To S&A	Req ship from Buffalo to Phila 7 damaged vacuum tubes spare parts for Marconi trans radio parts obsolete W	
425967	6-18 To S&A. Wave meter recd by Mr Borden and ret to stock 9/29 9-29	To S&A	Req ship from Wash to Schenectady wave wavemeter W To General Elec Co- Advise if finished with apparatus loaned. 1-7 To GE Co. reqst return of matrl. 8/21/20 GE Co.- Shipt ordered by express, 9/2; 9/2	W
425765	6-18	To Signal Corps	Reqst supply drawing and instructions in re to radio sets for use at an artillery land battery for comm W airc when aric are spotting for control of aritllery fire info reqst can supply ten small radio sets for use at land batterie material for Marine Corpns W cc to Marine C W	
425479	6-17	To Phila.	Reqst Mr W R G Baker of GE Co be permitted to inspect radio instal ln on OHIO W	
425565	6-20	To Cape May	Info desired feasible to mfg and instal l expr coil antenna with facil avail at W	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
425982	6-20	To C&R	Installn of appr on D class non-rigid dirig cars will not be made prior to shipg cars to point of erection of ship W cc to Phila	
425983	6-19	To Supt Airc Akron	Fwds drawing of Goodyear Tire & Rubber Co and SE letr of June 19th explaining method of fabricating and installing type of antenna in C and D class dirigibles W	
426256	6-20	To NY	Reqst info completion of installn, radio set for commun with British Dirig R-34 Flying Field Minneola W NY 6-26 **To NY- req inst be dismantled and appr returned to Rockaway Beach 7/15**	
423503	6-20	To S&A	Req ship from Wash to Schenectady four airc radio receivers and 48 vac tubes. W **To S&A canc SO 6/20 6/28**	
425145	6-23	To Otto Praeger 2nd PM General	Sub info reqst as regards Bellefonte, installn of radio trans gap sets. W copy of Commun.	

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AIRPLANES RADIO

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Number.	Date.	From or To—	Subject.	
423876	6-10	To Inspr Phila	Fwds copies of airc antenna constants for info and files W	
425125	6;10	Bu Stand	Mod test of airc radio transm, fwds oscilliogram on report cov.	W
423104	6-10	To S&A	Req ship from Phila to CO N-9 seaplanes radio apparatus. W To S&A amend of SO 6/27	
423872	6-9	To S&A	Req ship from Brook to Cape May radio trans for installn dirig C-7- W	
424351	6-12	To S&A	Req ship from Brook to Phila radio transmitters W ; RB 3-17; Inspr Brooklyn 9-9	
421876	6-10	To S&A	Req ship from Schenectday to Phila 399 radio vacuum tubes W To Inspr GE- Advise when shipment will be completed. 12-15 Inspr GE- 20 tubes available for shipt 12/22 12/18	
424930	6-13	To S&A	Req ship from Rockaway Beach to Washn radio airc transmitters W To Rockaway Beach- reqst ship of trans 7/8 To R B Tel 8/15 To NY (T) 9/10 To NY (T) 9/11	

NY 9-15 (T) No record of shipping order.
N Y 9-16 (T) Radio transmitting set shipt 9/15. W
NY-Fwds correspondence 10/27
fwd NY 11/8 RB 12/6

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[OVER.]

Number.	Date.	From or To—	Subject.	
425525	6;13	S C Goodyear	Reqst confirmation of understanding that antenna will be sup by Bu for all dirigibles at works. W **Inspr Akron- 7;10 No antenna on hand.** To Inspr Goodyear (T)-Not desired delay erection of ship. Material ordered. If not received proceed without installing antenna. 7-15	
425468	6-16	To Rockaway Beach	Auth transfer of airc radio trans to rep of NY yard, installn station Mineola L.I. W	
425469	6-16	To NY	Author installn of trans at Mineola.	W
43680	6/13	Inspr Brook.	Recommends flexible shunt lead be placed outside of coil spring.	629
425467	6-14	To Cape May Tel	Take immed steps install one airc trans SE eleven hundred for operation continuous waves on seventeen hundred meters for commu with British dirigible W Cape May-Tel-Instructions carried out. To Opr- rel to compl of radio for commun w	6;18 6-20
426558	6;18	Airc Fcty	Radio Compass N R D cars rec at Airc Fcty. **To Phila- ship orders being written to cover shipment of material for N.R. D. Cars 6/28**	
426740	6;19	Bu Stand	Do not believe transm on brd airc will need use wave longer than 850 meters.	W

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AIRPLANES. RADIO

Number.	Date.	From or To—	Subject.	
423181	5;27 6;4	Airc Factory Inspr Phila	Reqst report of radio instal be furnished. W To ROCKAWAY- reqst 9 copies phots be fwd Airc section 6-7 To H Rds reqst 9 copies of photos be fwd Airc Section 6-7 To Anacostia- req fwd photographs 6-7 RB 6;11 RB from Hampton Roads 6;11 Rockaway-Fwds prints. 7;7	
423268	6;4	Bu Stand	Reqst copy of report of GE Co in con with measurments of constants of antenna used on naval airc. W Bur Standards 6/14 Rqst semi-monthly report on radio for aircraft, also type numbers for aircraft radio. W To- fwds reports 6/24 To Burea Std- fwds reports 7/1	
422504	6-4	To Fleet Air Detachment Hampton Roads	Fwds drawings and booklets of airc radio apparatus for info. W	
423015	6-5	To C&R	War Dept has reqstd 36 flying boats type HS-2L be supplied for Philippine Expedition equipment with radio, decided to pick from Airc factory Phila equip with trans type C P 1110 at Curtiss Factory before being placed in store. W	
422497	6-6	To S&A	Req ship from Brooklyn to Phila two type SE 4070A airc radio compass coils W RN 8;7	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
422496	6-6	To S&A	Req ship from Brook to Hampton Roads two airc radio compass coils W RB 6;19	
423103	6-6	To Inspr Phila	Reqst 6 N-9 seaplanes and 36 HS-2 L flying boats be equipped with airc radio receivers, to be turned over to U.S. Army- W	
423097	6-6	To S&A	Req ship from Airc Facty Phila to Phila radio batteries. W	
423496	6-7	To Inspr Phila	Fwds prints W	
423504 3	6-7	To GE Co	Req fwd 9 blueprint copies of photographs. W GE Co-Fwds photoes and blue prints as reqst. W 6;20 S&A 7;3 fwd S&A 7/9	
424644	6;10	Deforest Co	Fwds power tube for test for seaplane radio transmitter.	W

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AIRPLANES: RADIO

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Number.	Date.	From or To—	Subject.	
420511	5-23	To S&A	Req ship from Anacostia to Bureau of Standards radio apparatus. W RB 10:14 S&A-Reports on status of shipmt. W 9;22 To S&A cancellation 9/30	
420519	5-26	To S&A	Req ship from Phila to Washn radio trans and vacuum tubes. W	
420524	5-26	To S&A	Req ship from Schenectady to Phila five sets base station spares for airc trans. W	
420679 6	5-26 Boston-Quarterly inspec report Chelsea Sta. Cross to Chelsea Sta. 7;17	To International RT Co	Desires to express appreciations of efforts and promptness of C O in supplying miscl radio apparatus for installn on transatlantic flying boats and dirigible C-5. W International R T Co - 5;3	
419289	5/27	To Bur Standards	Interference with radio compass of ignition system on NC planes-/ Submits report of tests covg - W	736-19
421199	5/14	R A Lavender	Submits report of operation or radio equip on NC boats during flight- Rec International Signalling Co be commended for co-operation-W	736-19
422279	5/27	Airc Facty	Rqst auth to make installn in conn w radio test stations at Airc Facty - W.	736-8
422183 see card 149				

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[OVER.]

Number.	Date.	From or To—	Subject.	
421518	5-29	To Inspr Airc, Phila	Will be necessary to advise Bu all shipments recd after repairs made stating point to which the repairs appratus is to be returned - W Inspr Phila 6/13	
422771 see 149				
421518	5;23 5;27	Airc Fcty Ph	Reqst instruc as to repairs of aviation radio material. To S&A req ship from Phila to Morehead City radio generator W 6-19	W
421875	5-31	To S&A	Req ship from Schenectady to Phila five airc radio transmitters W RB 8;28	
422091	5-31	To S&A	Req ship from Schnectady to Phila 450 airc vacuum tubes. W	
422691	5;29	Airc Fcty	Authorizes instal of radio equip at Airc Fcty on fcty launch. fwd Com 6-5 RB 6;17 To S&A req ship from Phila to Airc Facty radio trans w spares, bat etc. 6/27 RB 8;8 Inspr Phila- 8;13	W
		To S&A req ship from Ph to Rad Lab Ph vacuum tubes 8/19 RB 9-9 R B 9-13		
422693	6-2	To Westinghouse Co	Fwds prints of airc radio antenna reel type SE 4025- W	
422 095	6-2	To Airc Radio Lab Bu Stds Radio Lab	Fwds prints showing schematic diagrams of connections and descrip of proposed audion frequency system for airc radio spotting. W	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
419589	5;15	Pensacola	Report on transm type SE 1100, fwds photo cov.	W
419494	5;19	Williard Storage Bat Co	Asks if thin type of battery are being used on NC boat and C-5 To- no Willard batteries used on radio installn flying boats NC-1 3 and 4, on dirig C-5 flight from Montauk to S. Johns two 12 volt 45 ampere Willard stor batteries used for operating purposes W 5-22	W
420198	5;20	Bu Stand Lab	Reception of seaplane sig on ground wire and loop, sub report cov.	W
420228	5;20	Inspr Keyport	Asks if will instal radio equip on HS-3 boat bldt at Curtiss Engr Corp. To Inspr Brook- dis installn of radio on airc flying boats HS-3 not equipped until actually put intosservice- 5-26	W
419663	5-21	To Commanding Officers	Reqst all shipment under letter of 1-8-19 be made to SO Airc Facty Phila W	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
419666	5-21	To E J Simon	Asks fwd photogrpahic print of airc radio transmiter design by Co. W E J Simon 5/23- Fwds photos of transmitter
419973	5-22	To Operations	Fwds print showing standard radio equipment for airc, W
419967	5-22	To S&A	Req ship from Schenectady to Phila 200 spark gap electrodes, W
419968	5-22	To S&A	Req ship from Boston to Phila 90 radiation meters for transmitters W RB 8;8
420309	5-23	To S&A	Req ship from Schenectady to Phila 6 sets base station spares for radio airc trans W RB 8;28
420509	5-23	To S&A	Req ship from Yd Washn to Bureau of Standar one airc radio amplifier. W
420510	5-23	To S&A	Req ship from Washn to Bureau of Std one airc radio amplifer. W
420512	5-23	To Montuak	Info reqstd re disposition of storage batteries. W Montauk-Gives disposition of storage batteries. 5;27

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AIRPLANES: RADIO.

Number.	Date.	From or To—	Subject.	
408940	SEE CARD	125.	British War Mission- Requsn not recd. 5/15. Brit War Mission-Sub quotations cov tubes. 5;16 Inspr Chicago- 6;2 fwd Inspr Chicago 6/26	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
417885	5-14	To ~~GE Co~~ Tel (W R G Baker)	Messenger from Schenectady will arrive Woodstock Wed morning ballast lmap plate meter CG eleven thirty proceed immediately M ntauk w these spares your services urgently needed W	
417889	5-14	To E W Coil Montauk 736-37	Tel Baker of GE Co instruced leave NY early Wednesday morning for Montuak W	
418441	5-15	To ~~Magnavox Co~~	Test of loud speaker completed, asks six of type tested at Bu Stds. asks quotation on six-	W
416712	5-14	To InsprAkron	Submits info re std radio equipment for dirigibles and author granted to convey info to Goodyear T & Rubber Co, gives dimensions W	
418966	5;15	~~Bu Stand~~	Sub table showing effect of ignition disturbance measured for audiability and receiver used with amplifier.	W
418440	5-15	To S&A	Reqst shipment from Washington to Submarine Base N.London airc radio compass amplifier. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
417736	5;7	Rockaway	Reqst shipmt order be issued cov material listed, left over from N. C. instal.	W
416420	5-9	To S&A	Reqst shipment from Washn to Bureau of Standards Was hn one radio compass amplifer. RB 5;13	W
416935	5-10	To Rockaway Beach	Reqst five copies of photographs be fwd to Bureau Radio for Airc Section, for making record of installn on type NC flying boats.	W
416292	5-7	To S&A	Reqst shipment from Rockaway Beach to Schenectady two airc radio transmitters. Rockaway-Lists apparatus shipped to GE Co. for repairs. 5;19 To S&A canc of SO 5-7 5-23 S&A 7;1	W
416426	5-9	To S&A	Reqst shipment from Anacostia to Schenectady 5 radio vacuum tubes	W
416429	5-12	To Anacostia	Rel to shipment of 5 vacuum tubes, to replace five tubes turned over to rep of GE Co.	W
417389	5-10	To CO (AROOSTOOK) Seaplane NC-3	Tel For Lt. Comdr Lavender results gratifying what distance from destroyers is compass reliable period NC four could not raise destroyers after landing on water it appears destroyers do not listed carefully on four twenty five meters instruc have been issued calling atten to this Mrs. L well and sends love Hooper unquote	W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
417399	5-12	To Operations	Comments on letter of 3-16, rel to lack of material for US Fleet Air Detachment at Guantanamo Bay Cuba. W	
418086	5;9	Hampton Roads	Radio aviation helmets, fwds report on test, made on dirigible C-5	W
415965 8	5-12	To S&A	Reqst shipment from Brooklyn to Phila radio apparatus for Airc Facty W Inspr Brook 2/26	
416936	5-12	To S&A	Reqst shiment from Phila to Bureau of Std Washn 12 radio vacuum tubes. W RB 5;23	
417883	5-13 of first	To Century Company test of wireless 5-21	Asks info where copy of photograph of the "First Test of Wireless made from Hydroaero plane in USN July 1912" on pge 124 of "Text Book of Naval Aeronautics" by Henry Woodhouse 1917 in published report on naval airc radio may be obtained-W Century Co-Gives address of Harry Woodhouse. 5;16 To Henry Woodhouse- desires to use photo	W
418169	5;12	Akron	Antenna on engine C-5, fwds prints.	
418168	5;12	Rockaway	Fwds photo of radio equip on NC flying boat. To Rockaway- fwds 12 photos 5-19	

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AIRPLANES RADIO

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Number.	Date.	From or To—	Subject.	
415863	5-5	To S&A	Reqst shipment be made from Norfolk to Bureau of Standards, Washn., radio transf. type CAT 463, W	
415537	5-5	To Rockaway CO 736-19	Rel to visit of Bu representative Lt.jg M.H. Esterley, on May 5th. material for trail flight of dirigible C-5- author transfer of material, in advance of SO	W
415538	5-5	To Chamber of Commerce	Recommends no attempt be made to establish service until beginning of next fishing season, due to lack of suitable trans equip for vessels. W Key West - 5;21	
415535	5-6	To S&A	Reqst shipment from Washn to Suffield Ohio one wave wavemeter, W RB 7;29	
416305	5;7	Montauk T	W R Baker radio rep. GE Co returned to NY before tel received. To CO MONTAUK Tel 5-7	
416666	5;6	Bu Stand	Mod test of transm, fwds osciliogram of.	W

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[OVER.]

Number.	Date.	From or To—	Subject.	
412035	From	Card 129	Inspr Phila- Progress report, 2 let. 5;7 Airc Facty-Progress report 5;7 Inspr Phila 5;6 Inspr Phila- 5;9 Airc Fcty-5;9 Inspr Ph-Fwds photoes. 5;29	
415526	5-7	To Radio Controller Corp.	Asks further details of any actual trials made with apparatus, and if prepared to make demonstrations on navy seaplanes Radio Cont Co-Rep will call at Bu. 5;10	W
416449	5;4	Chatham	Reqst spare parts listed for transm be furnished. fwd Inspr Brooklyn 5-8	W
415867	5-8	To Operations	731-43 Fwds one print, desires make Anacostia Air Station headquarters for all experimental and development work connected with aircraft. rec provision be made for permanent bldg at Anacostia for housing the Airc Lab.	W
415135	6;11	Inspr Ph	Fwds change in material sheet. Inspr Phila 6;11 Inspr Phila-Fwds change in material sheet. 8;5	

Number.	Date.	From or To—	Subject.	
415470	4;19 5;1	Gloucester S&A	Reqst material re radio due at Gloucester for Aircraft Section be diverted to Phila. Fwd S&A 5-8	W
415655	5;1	Bu Stand	Fwds report of modulation test of Brit Mark II airc tel transm. Cross to 902	
415682	4;30	Hampton Roads	Fwds copy on constancy of direction of spark set sig received on direction finder.	W
414734	5;1	TO S&A	Reqst shipment from NY to Wash of radio transm. RB 5;26	W
414723	4;30	TO S&A	Reqst shipment from Norf to Haiti of antenna wire. To Port au Prince- Report on Telegraph 2/23/22 W cc Aviation Section.	W
415135	5;2	To Phila CARD 148	Inspr Ph-Fwds change in material sheet 8;16 Change in material sheets. Airc Fcty-Will make complete inventory. 5;13 Inspr Ph 6;4 Inspr Ph 6;6 Phila 6;10 Inspr Ph-Fwd change in material sheet 7;9 Inspr Ph-Fwds change in material sheets 8;12	W

Ph-Fwds change in material sheet for airc radio material. 6;27

~~Ph-Fwds changes in mater sheets 7;3~~

Ph-7;21-Fwds change in material sheet.

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N.S.E. Form 134.

Number.	Date.	From or To—	Subject.	
415827	4;29	Post Office Dept	Sub outline of radio program for aerial mail div.	W
	To Postmaster Gen- GL will be reqstd to sub estimate 5-23 To GL req sub estimate 5-23		To Commun- fwds cy of Second Asst PM Gen letter dated 4-29 rel to airmail radio service between Chicago & Clveland and establishemnt	
SEE 151	9th Dist-Report on estab com between Chicago and Cleveland. 5;31 To PO Dept- quotes from ltr from GL Dist 6-5 9th Dist 6;26		station Bryan Ohio 5-12 To G Lakes- reqst reply be made rel above 5-12 To PostofficeDept- info rel to cost of equipment 5-12 Post Office Dept 6;11	
415285	5;3	To S&A	9th Dist 5;19 To Comndt 9, 10, 11 Naval Dist 10;11 Reqst shipment from NY to Washington of radio transmitter. RB 5;26	W
415287	5;3	To S&A	Reqst shipment from New York to Ph of airc radio transm. RB 9-3	W
415294	5;3	To S&A	Reqst shipment from Phila to Wash of aircraft radio transm set. RB 5;20 ~~NY 5;19~~	W
415996	4;29	Guantanamo	Reqst disposition of radio material deliv to station by Sterling. To S&A req ship from G Bay to H Rds radio appr 5-10 RB 6/3 W.	W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
414451	4;29	To Phila	Authorizes changes in radio instal on flying boats for deliv to Fleet.	W
414951	4;28	GE Co Personal	National Elec Light Asso Conv.-Reqst details of machine in con with demonstrating tel app.	W
415015	4;30	Dept	Reqst fwd 8 radio sets to Hampton Roads Air Station to be held for ship airplane detachment. To Naval Operations-Orders shipment to.	W 5;3
415086	4;29	Inspr Ph	Sub report of radio instal F-5 boats.	W
415085	4;29	Inspr Ph	Sub report of radio instal F-5 boats.	W
414730	4;30	To Director Of Prod & Stores	Ref to despatch of 29th British War Mission 3-5-19 (personal) Quotes prices. W	W
414731	5;2	TO S&A	Reqst ship from NY to Ph of airc radio transm sets.	W

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.
316197	From Card 124		
			San Diego- Weekly report. 4:18
			Pensacola " " 4:28
			Brunswick " " 4:28
			Coco Sola " " 4:19
	Chatham 6:2 - Weekly report		Rockaway " " 5:3
	Key West-Weekly report 5:2		Hampton Rds " " 5:5
	Pensacola 6:2		Anacostia " " 4:15
	Anacostia 6:2		Key West " " 5:8
	San Diego-Weekly report. 5:18		Chatham " " 5:5
	Coco Sola " " 5:24		Cape May " " 5:4
To Card 144	Rockaway " " 6:6		Coco Sola " " 5:9
	New Brunswick " " 6:10		Akron 4:28
	Chatham " " 6:9		Rockaway " " 5:9
	Key West - " " 6:10		Miami " " 5:10
	Anacostia " " 6:10		4th Dist " " 5:12
	Cape May " " 6:1		Chatham " " 5:12
	Pensacola 6:9		Boston " " 5:16
	Coco Sola Weekly Report 5:31		Pensacol " " 5:12
	Miami " " 6:14		Hampton Rds " " 5:14
	Rockaway " " 6:14		Coco Sola " " 5:2
	Cape May " " 6:17		Akron " " 5:13
	Boston " " 6:17		Rockaway Beach " " 5:17
	Anacostia " " 6:16		Miami " " 5:17
	Pensacola " " 6:16		Hampton Roads " " 5:17
	Inspr Brook " " 6:19		San Diego " " 5:3
	San Diego " " 6:21		4th Dist 5:18
	Rockaway- " " 6:20		Key West " " 5:20
	4th Dist " " 6:20		Hampton Roads " " 5:20
	Pensacola " " 6:13		Chatham " " 5:23
	Key West " " 6:23		Pensacola " " 5/19
	Brunswick " " 6:24		Montauk 3 reports 5/23
	San Domingo " " 6:24		Coco Sola Weekly report 5:10
	Rockaway " " 6:30		Rockaway " " 5:10
	Miami " " 6:30		Radio Lab Semi monthly rep
	Pensacola " " 7:2		Miami Weekly report 5:27
	Coco Sola " " 6:21		Montauk " " 5:28
	New Brunswick " " 7:3		Brunswick " " 5/28
	San Diego " " 6:28		Key West " " 5/27
	Rockaway " " 7:5		Anacostia- " " 5:28
	Miami " " 7:10		Key West " " 5:26
	Chatham " " 7:7		Chatham- " " 5:29
	Brunswick " " 7:11		Akron " " 5:19
	Hampton Roads " " 7:9		Pensacola " " 5/25
	Miami " " 7:12		Akron " " 5:26
	Rockaway " " 7:1		4th Dist " " 6:2
	Key West " " 7:12		Montauk- " " 6:3
	Chatham " " 7:15		Coco Sola " " 7:5
	Pensacola " " 7:14		Rockaway " " 7:18
	Miami " " 7:15		
	Hampton Roads " " 7:16		

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AIRPLANES RADIO

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Number.	Date.	From or To—	Subject.	
412035	4-23	To Inspr Phila	Reqst report be fwd re progress being made on installn on seaplanes and flying boats for fleet operati ns. W	
To Card 132		Aircraft Factory - 4;30 Aircraft Factory - Daily progress report. 5;3 Inspr Ph-Daily report 5;5 three letters. Airc Fcty-5;6 wk rep	To Phila-Reqst photoes. 4;29 Airc Factory-Daily progress report. 4;28 Ph-Sub progress report. 4;30 Ph-Inspr-Daily report of radio instal airc fac.4;30 Inspr Ph-Daily report 4;30	
412941	4-23	To S&A	Reqs shipment from Phila to Washn Bu Standards, radio tel ma erial W RB 6;2	
383119	From 104		To H. Rds. - reqst information re action taken, disposition of obsolete radio for aricraft apparatus. 4;22 Rockaway- Rqst disposition of radio apprs damaged beyond repair. 12/3 To Rockaway Beach- reqst survey of appr. and shipt to Ph Airc 12/6	W
413612	4;23	Inspr Brook	Fwds prints of suspension bolt on wing insulator. To Inspr Brooklyn- approves design 5-20	W
413967	5;22	To S&A	RB 8;28	

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AIRPLANES RADIO

1919

Number.	Date.	From or To—	Subject.	
412937	4-24	To S&A	Reqst shipment from S chenectady to Phila six airc radio transmitters W RB 8;7 Inspr G E 9-9	
413224	4-24	To Bureau of Standards	Advises rel to visit of Mr. Pridham, represent ative of Magnavox Co., demonstrating Magnavox loud speaker. asks test on incoming radio telg and telephone signals. W Bu Stand-Report of test of magnavox loud speaking tel. 4;29	
413568	4;26	Inspr Chicago	Status of shipment of helmits from Taylor Trunk Co. To Inspr Chicago-25 helmets received. 4;26	W W
414165	4;25	Bu Stand	Mutilization of compass attachment on airplane receiver, sub information in con with.	W
413574	4;26	TO S&A	Reqst ship from NY to Phila of radio transm to be placed in store.	W
413974	4;28	To Hampton Roads	Reqst photoes. Hampton Roads-Fwds phototes. W 5;9	W

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N.S.E. Form 134.

AIRPLANES RADIO

1919

Number.	Date.	From or To—	Subject.	
411867	4-19	To Hampton Roads via Operations	Reqst two copies of photographs be fwd Bu Radio for airc section. W Hampton Rds-Fwds photoes. 5;5	
411868	4-19	To Anacostia, via Opr.	Reqst fwd to Bureau radio for airc section two copies of photogra hs. W	
411878	4-22	To S&A	Reqst shipments from Wash to Schnectady GE of 24 vacuum tubes.	
412039	4-21	To S&A	Reqst shipment from Buffalo to Phila ten radio vacuum tubes. W To S&A amendment of 5-7	
412048	4-21	To S&A	Reqst shipment from N.Y. to Washn 6 milli ammeters scale 0 to 300 W RB 5;20	
412715	4;21	Inspr Phila	Conf tel conversation req inspec N-9 seaplane at airc factory in con with radio instal on. W	
412961	4;21	Phila	Conf tel conv stating no radio instal made on N-9 boat at factory, instal on F-5 boat will be completed from schedule.	W
412952	4;25	To USS SHAWMUT T	Transf of radio airc app.	W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
412105	4-22	To Inspr Phila Phone	Asks inspection be made with one of the radio officers so that extra tank and radio could be definitely located. DA Aircraft Factory- 4;22 Inspr Phila-Report on Status N-9 seaplane to be flown to Hampton Roads. 4;24 To Ph-Conf tel conv. 4;30	
412602	4-22	To Phila	Reqst info when installn of radio telephone sets on N-9 seaplens for fleet opr compl. W	
412603	4-22	To S&A	R eq shipment from Fleet Base to Boston radio receivers and batteris books. W To Boston- author installn on AAR N WARD and BUSH 4-23 RB 7;16	
412607	4-22	To Inspr GE	Phone- Info reqstd date of del of 12 airc radio trans for use on Fleet. W	
411681	4-19	To S&A	Req ship from Brook to Phila, radio materila W	
412608	4-22	To H.Rds	A sks have 25 batteries charged so be available for Fleet Air Detachment 5-1 W	
412705	4/21	Phila	Rec that inspection and installn of radio 736-8 in airplanes etc. be placed under Radio Officer stationed at Yd and that enlisted personnel under Inspr Phila's Officer engaged in this work transf to Radio Office 4th District-DA&W	

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AIRPLANES RADIO 1919

Number.	Date.	From or To—	Subject.	
410393	4-14	To S&A	Reqst shipment from Washn to Schenectady airc receivers W	
410395	4-14	To S&A	Reqst shipment from Wash to Radio laboratory Bureau Standards W radio amplifier W RB 5;10	
410696	4-14	To Hammond Radio Research Laboratory, Mr. J.H. Hammond Jr.	Acknow letter of 4-8. for "U" tubes, at present under regn. cannot furnish before June 1st. W	
411161	4;15	CO TEXAS	Req ship orders be issued cov aircraft radio app from vessel to Anacostia. To S&A req ship from TEXAS to Anacostia radio appr, 4-24 RB 5/24	W
411223	4-16	To S&A	Reqst shipment from NY to Washn 50 radio --~~aire~~ batteries. W. Shipment Order 4;16 RB 5;5	
411238	4-17	To Hampton Roads	Reqst report be transmitted bybphone to Bureau daily at 9 AM in conn with prepar in conn tr nsatlantic flight. W To HRds- no further work in conn with Atl Flight will be carried on until directed by Bureau 4-22	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
411239	4-17	To Lt.Comdr. R.A. Lavender 73619	Reqst report daily re activities of previous day in conn w preparation for transatlantic flight. W
411250	4-18	To Hamptons Roads	Confirmation of phone conversation, re radio work performed on 4-16, in conn w transatlantic flight, none, acct. unfavorable weather conditions. W
411968	5;19	To Anacostia	Received back 5;25 with photoes.
411862	4-18	To Rockaway	Confirmation of phone conversation, no flight work on 4-16, day spent in training 36 operators of destroyere force in connec taking radio comp bearing on destys from airc during transtlantic flight. W
411865	4-18	To Hampton Roads	Confirmation of phone conversation, re radio work on 4-17- W
411866	4-18	To Rockaway Beach	Confirms phone conversation, re radio work performed on 4-17, in conn w transatlantic flight. W
406486	4-19	To C&R	Reqst what action will be taken to provide for space for N-9 seaplanes for fleet opr. W

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Number.	Date.	From or To—	Subject.	
409824	4/9	Inspr Phila	Asks when men will be available for installn of radio apparatus on flying boats at Airc Facty - W.	736-8
409823	4/8 4/9	Airc Facty Inspr Phila	Recommends radio app be removed from bts in storage and assigned to stock- W.	736-8
410466	4;11	C&R	Fwds prints showing instal on airship.	W
409612	4-11	To S&A	Reqst shipment from Phila to Aircraft factory Phila- six radio transmitters. W RB 12/18 S&A- Asks if shipmt has been cancelled. 4/19 W. Fwd S&A 4-21 1920 S&A 6/26 W.	
410592	4;12	New London Copy	Plane arrived as schedule, asks if shall 1/2 kw or 2 kw set.	W
410639	4;11	Inspr Curtiss	Cannot verify price covering aircraft radio transmitters. fwd S&A 4-16	W
410766	4-12	Com.	Recs that test be conducted with airplane type radio compass to determine deficiency in use for shore stations W	919-1

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N.S.E. Form 134.

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
410836	4;10 4;12	4th Dist C&R	Fwds card calling for 100 radio transmitters on hand of Brd of Survey for disposition.	W
409599	4-10	To S&A	Reqst shipment from Brooklyn to Washn radio airplane receivers W	
410194	4-12	To CO's Air Stations Hampton Roads-Asks if aviation bldg for radio tel will be furnished. 4;22 To Norf- construc not Miami 4;24 recom 5-23 Coco Sola-4;28 To Opr- construc recomrecom Coco Sola 5-23	Rec be submitted report showing present facilities for radio repair and storage W Brunswick-Larger room req for storage purposes. W. 4;21 Cape May-Recs shed be built for storage radio material 4;17 Akron-Req shop instruments listed be furnished. 4;19 Pensacola - 5;2	
410385	4-12	To Lt. Com. R. A. Lavender	Confirms verbal instruc. to remove tube support and controls from six receiving sets to be used i n conn w trans-atlantic flight W	
410904	4;5 4;9	CO TEXAS US FLEET	Submits report of Texas two seat airplane., spotting MISS during long range target practice. W US FLEET-Fwds report of CO TEXAS of com from airplane during long range target practice. 4;9 Cross to Tel Radio. Cape May-Recs shed be built for storage radio material. 4;17	

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
408486	4;4	C&R	Req that F-5 flying boats for air detachment of fleet be flown from Airc Factory to Hampton Roads be equipped with radio.	W
408667	5;2	Com	Fwds letter from GE Co stating will locate experimental stations at Detroit Edison Co and their superior stations.	W
379433	4-2	To S&A	Req amendment of Shipment order 12-23-18 to read one airc radio trans set, instead of two W To S&A req canc SO 12/23/18 7/11/19	
408940	4;4 Inspr Chicago- 4;26 Instr Chicago- 4;25 Progress report. To Brit War Mission-States that prices for airc sets do not agree. 4;29 Brit War Mission- 4;30	British War Mission	Increase of 10% in price cov airc tel app vacuum tubes, will be sup from London. To- re cooperations 4-9 To GE- re i spec of appr befor del 4-10 To - re cooperation of inspr GE with 4-10 To British Mis sion- quotes price 5-5 British War Mission-Reqst amend contract cov increase. 4;22	W
See Card-134.				
408938	3;31	CO TEXAS	Airc test, submits report covering.	W
408438	4-5	To Operations	Reqst authority to taken photos of radio instal ln on flying boats, Rockaway, W	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
408442	4-5	To Lt Comdr Mitcher	Tel Five radio gen for NC boats from St Standard Airc Corpn ship on BL 20560 March 31st period trace W
408630	4-7	To Hammond Radio Research Laboratory	Cannot furnish "U" type CG 1144 tubes, until June 1st, W To S&A req shipmt from Washinton to Boston four Vacuum tubes 7/31 RB 8;20
408831	4-8	To S&A	Reqst shipment from Washn to FleetBase airplane radio receivers, 340 vacuum tubes W
409729	4;9	B u Standards	Submits table of results obtained on coils made up according to British design on liberty engine, fwds sample. W
409773	4;8	Bu Stand	Apparatus for vibration test of airc radio equip, fwds prints. W
409965	4-10	To Phila	Advises rep of Bu will visit Airc factory giving instrucns re installn on flying boats. W
409661	4-10 RB from Nav 4;26	To Inspr GE	Reqst material urgently needed be given preference. SO 3-29 and 4-10 W Inspr GE-No record of shipment order of 3;29. 4;14 To Inspr GE- confirms assumption as to date of SO, should have read 3-20 4-17 To Inspr GE- reqst date of ship and BL nos of transmi ters 4-19

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
OLD NO 318197 see card 56	4-2	To Keywest	Reqst further details- W
168		Pensacola - 4;15 and 4;14 Brunswick-Weekly report. 4;16	MIAMI-Fwds report for week ending 4;4 Rockaway-Weekly report 4;4 Chatham-Weekly report 4;4
Card 130		Cape May-Weekly report. 4;20 Key West-Weekly report. W 4;14 Pensacola-Weekly report 4;21 Anacostia- 4;19 Rockaway-Weekly report 4;26 Coco Sola - Weekly report 4;25 Montawk-Weekly report 4;28 Key West-Weekly report. Hamp Rds 4/28	Key West Air Station - 4;7 Rockaway - 4;4 Cape May - Weekly report. 4;6 Pensacola- 4;9 Coco Sola-Weekly report. 4;1 Key West-Weekly report. 4;12 Miami-Weekly report. 4;11 Key West 4;14 Coco Sola-Weekly report 4;5 Montawk-Weekly report 4;16
405316	4-1	To S&A	Reqst shipment from Brooklyn to Phila radio telg material W Reqst shipment order of April 1, 1919 be amended. 5;1
405681	4-2	To Operations	Fwds for comment and suggestions, proposed circular letter of instrucns to be issued to yards and stations, re policy covering jurisdiction of radio material activities of air service W
406478 406486 see cd 127	4-1	To S&A	Reqst shipment from Washn to Bureau, special messenger, radio six Perry buzzer blinker sets W
406677	5-31	To S&A	Reqst shipment from Anacostia to Schenectady radio trans W
407172	4-1	To S&A	Reqst shipment from Buffalo to Phila radio helmet W

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[OVER.]

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
407406	4-2	To Phila	Reqst Board of Survey and Appraisals fwd bids and recs re type CE 615- radio trans W To Phila- reqst info action taken letter 4-2 Received back from Phila 4;22 4-19	
408160	3;22	CO TEXAS	Submits report of aircraft com experiment. W	
407704	4-3	To CAPE MAY	Advises internal antenna on airship C-5 is not to be used for transmitting purposes until author has been given, W Cpae May 4;8	
407705	4-3	To Operations via Ord.,	Advises after examination of plans of Radio Controller Corp. , for control of one airplane in flight from another, method considered well planned, feasible and practicable. W Received back 4;13	
407961	4/1	Bu Stand	Radio compass variation, submits report on observation taken at New Brunswick on long continuous wave.	919
408409	4;3	Aircraft Factory	Conf tel conv relative to instal radio app on three boats to be flown to Hampton Roads. W	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
406432	3;28	Bu Stand	Sub table showing relative audiability of ignition distributing and sig for SE-1405 and SE 950 received with the detailed report on.	W
406940	5;24	Inspr Chicago.	(Old No)	
405169	3-27	To S&A	Reqst shipment from Brook to Phila props	
		Inspr Brook-Conf tel conv in con with req for correction of shipmt order. W 5;9	To S&A amend of SO of 3-27 4-2 To S&A- amend of M of 4.17 4;25 To S&A amend of items 5-6	
		Inspr Brook-6;12-Ship Report.	Inspr Brook-Reqst additional ship ord be shipped. W 5;2	
405317	3-28	To S&A	Req t shipment from Brook to Washn 340 instruc books-	
			Inspr Brooklyn-4;23 To Inspr Brook-Acklgs receipt of instruc books. 4-25	
405737	3-28	To S&A	Reqst shipment from Glouchester to Washn vacuum tubes-	
405746	3-28	To Boston	Reqst investigation of shipment, SO 10/14/18 Inspr Mass-Lists shipments made. 4;9 To S&A req ship from Bos to Buffalo vacuum tubes 4-19	
405748	3-28	To CO H.Rds	Permission reqstd to use airship C-3 at H.Rds, representative of Bureau will be present at time of instaln	
405689 Old No	5;14	Chatham	Received back 10;10	

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[OVER.]

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Number.	Date.	From or To—	Subject.
405753	3-28	To S&A	Reqst shipment from Brook to Phila raio motor generator sets- Inspr Brook-Cost of repairs should be born by Crocker Wheeler Co. 4;26 Airc Fcty 7;31 To Airc Facty fwd copy of SO 8/4
406486	3-29	To C&R via Operations	Advises 6 aircraft radio telephone and telegra h sets type CG 1104-A have been ordered shipt to H.Rds, asks if required space will be available for insta ln-
405682	3-29	To H.Rds	Reqst be made up at Lab six cup radio helmets type SE 2000 needed at Rockaway Beach Bu will isssued shipg instruc coverg matrl
405669 Cark 122	3;31	Fwd Bay Shore	Received back To S&A req shipment from Bay Shore to Phila seven boxes interphone radio equip W 4-4
405680 SEE 148	3-31 Pensacola 5;13 Operation-Sub copy of radio tel type allowance list. W 6;20 Coco Sola 8;8	To Operations	Recommends method of handling radio material at air stations in way which stores handled on board ship and at Yards- To Dept of Agri.-Grants permission. 4;17 Dept 4;21 To Dept 5;16
406699	4-1	To C&R	Fwds coy of drawing, proposed installn plan of radio transmitter and radio receiv appr on non-rigid dirigible Class B tractor-

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
403696	3-21	To S & A	Reqst shipment from Buffalo to Phila spare parts and radio receivers.	
401248	3-12	To Post Office Dept	Advises re cooperation in re to supplying apparatus and material for erection of stations and equipping of planes. - Post Master Genl-Detailed comments. 8;6	
404436	3-21	To Hampton Rds Tel	ship all airc radio material marked GAUNTANAMO Expedition to GAUNTANAMO first available transportation- W	
404755	2;13 3;20	6th Dist Com	Fwds report on range of radio com with airplanes.	W
405471	3;25	Bu Stand	Aircraft radio, fwds report of test of SE -1405 amplifier on short wave.	W
405483	3;24	Bu Stand	Fwds copy of oscilliogram in con with test of West elec tel transm.	W
404853	4;12	Boston	List app necessary on Humorock.	W

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
405324	3-25	ToS&A	Reqst shipment from Schenectady to to GE Company, Standardization L aboratory for GEORGE WASHINGTON radio Vacuum tubes-	
405325	3-25	ToS&A	R eqst shipment from Schenectady to Philadelphia 62 vacuum tubes-	
405536	3-26	To H.Rds via Operations	Reqst 12 copies of photographs listed be fwd to Bureau for use in conn w reports of airc radio development-	
404778	3-26	To Magnavox Co	Tel: Sub radio for airc section special del six samples latest type Microphone transmitter etc.,	
405669	3-27	To S&A	Reqst shipment from Bay Shore to Phila two sets 50-A telephones-	
Card 123				
404779	3/26	To Comdt Pensa	Requ number of electricians aviation now on duty at in excess of minimum complement required to carry on radio activitues on airc W	632

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
403046	3;17	To S&A	Req ship of two aircraft radio transm from GE Co to Sig Corps Wash. To S&A reqst amendment of SO 3-17 5-9 To S&A req canc SO 3/17 7/12/19	
402197	3-18	To Hamp Rds	Requ radio apparatus at Air Station be fwd to USS SHAWMUT when marked "Guantanamo Expeditiion" W	
403065	3-17	To USS PENNSYLVANIA	Bu requ full report radio operation seaplanes air detachment USS SHWMUT W	
403772	3;18	Insp Brook	Req ship order cov one transm panel sent by special messenger to Rockaway Air Station.	
404098	3;14	Anacostia 919	Sub report on ~~cent~~ exp to dist what deviation of airplane compass is caused by radio app in its proximity. W	
404313	3;17	Naval Adv for Aeronautic	Req weight and approximate cost of radio set now used on airplanes, also radio tel W fwd Operations 3-24	
404876	3/18	Cahtham	Dept 3/22 recommends radio observers for dirigibles be especially traines for sea planes others not qualified FW	632-1

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
404401	3;21	Bu Stand	Fwds drawings, cop of Brit tel rec and and transm for airplanes.	W
403966	3-2e	To Norf	Desires to take measurements of antenna constants - W To Anacostia, desires to take measurements os antenna constants - W To Bureau Stds- advises re visit of rep GE Company March 25th 3-25	
403365	3-21	Fwd C&R (v o i d)	re dirigible balloons, method of emergency control- (See 736-3)	
403960	3-20	To S&A	Req shipment from Buffalo to Phila boxes radio receivers etc-	
403961	3-20	To S&A	Req shipment from Glouch to H Rds dry bat rs for Fleet aircraft- RB 5;6	
403962	3-20	To S&A	Req shipment fro Washn to Norf radio receiv	RB 6/3 W
403963	3-20	To S&A	R eq shipment from Schenectady to Norf radio transmitters- RB 7 - 10	
404026	3-21	To Bureau Standrds Bu Stand-Fwds computation of constants for loop antenna dirigible. 3;25	Asks fwd report re characteristics of loop antenna of size and shape of class "C" dirigible gas bag, fwd drawing giving approx dimensions and shape of,-	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
402461	3;3	Ensign Easterly	Test to determine liability various puretics of hydrogen by brush discharge from radio transm sets of the type installed for dirigibles.	W
401248 see	122			
402508	3;15	To S&A	Req ship of 2kw mot gen to Officer in Chr Bu Stand, Wash' D.C. from Hampton Roads.	
402314	2;24	USS TEXAS	Fwds report of combined radio and flight report on Airplane.	W
402630	3;13	Bu Stand	Sub report of test of effect of radio aircraft and magnetic compass.	W
394090 see 114	3-14	To S&A	Req shipment from Washington to Glouchester 66 vacutm tubes- Shipt order 3-14 RB 24	
398584	3-11	To S&A	Req shipment from Phila to SO P hila 25 vacuum tubes, etc. To S&A req ship from Ph to Ph 8/2	
		Inspr Phila-Fwds correspondence in con with dept of radio material at Airc Factory. 4:8	To Inspr Phila- re disp of material at Airc factory 3-24 To S&A req canc of So 3/11 8/2	
		Inspr Ph-Reqst new ship ord be issued. 7p24		
402193	3;17	To S&A	Discont of storage of aircraft radio material at storehouse Gloucester? N. J.	
		S&A-Same let-West E & M Co	To S & A 3-15	
		S&A- " " Electros Mfg Co	S&A-Copy of letter to Natl Eléc Sup Co mod cont to ask for deliv of mater to Ph. W 3;21	
		S&A- " " American Wire & Steel		
		S&A- " " C A Taylor Trunk Co 3;21	S&A-Copy of let to Natl P T Co mod cont, to ask for deliv of material to Ph.	

AIRPLANES RADIO

Number.	Date.	From or To—	Subject.
401252	3-12	To S&A	Req shipment from Boston to Washn one airc radio transmitter, contract 43679 with Cutting and W. Co- RB 4;29
403696	3;27	To Curtiss	Inspr Mass-Copy of let to Bu Stand stating trafsm tested and found sat. W 4;22 (Old Number)
401991	3-14	To Operations via Y&D	Recommends one type A Y&D portable bldg be supplied ~~with~~ stations listed, Chatham Coco Solo, San Diego- RB 3;27
402185	3-14	To Operations	Expresses thanks for excellent cooperation re important radio tests at Anacostia
401992	4;15	Chatham	Req expedite construction. To Naval Operations-Cons of radio bld at Chatham, approves type. 4;30
403107	3;16	Hampton Roads Tel	Direction finder test sat, must have bat and new tubes for cont of test. W Cross to 919
403533	3;17	Bu Stand Lab	Aircraft radio, fwds summary of exp work undertaken in develop of throat and cheek transm. To Bu Standards 3-20 rpr on investgn re need of transmitter. W
403850	3;13	Anacostia	Sub report on flights made in order to test transm sub GE Co.

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Number.	Date.	From or To—	Subject.	
400403	3/6	Gloucester	Requ future plans for disposition of radio airdraft material DA	736-1
401362	None	Ministry of War	Sub report on airplane rec dampted transm.	
401377	2;23	C&R TEL CO	Sub outstanding account for June 1918, req payment of.	L
400243	3/6	E J Simon (T)	Reqst firm be given opportunity to assist Bu in obtaining from radio mfgrs 2KW spark set for navy seaplnaes W	736-19
400425	3-10	To S_A	Reqst shipment from NY to Aero Show dry batteries W RB 4;1	
400665	3-10	To S&A	Reqst shipment from Brook to Phila radio cable	

Number.	Date.	From or To—	Subject.	
401856	3;6	CO TEXAS	Req authority to use material left over at Annapolis on contract 39649	W
402086	3;13	Pensc Tel	Asks if Bu desires radio transm instal in addition to rec in con with two additional placed in Guantanamo. To Pensa 3-15	
398585	3-11	To S&A	Req shipment from H alifax to Phila airc radio transmitters- To Phila via S&A- req canc of Ship order of 3/11 11/22	
398806	3-12	To S&A	Req shipment from Boston to Phila 55 vacuum tubes To S&A amend to 45 tubes 3-22	
398807	3-12	To S&A	Req shipment from Schenectady to Phila 45 vacuum tubes-	
401250	3-12	To S&A	Req shipment from Cape Breton Is to Phila 4 airc radio transmitters- North Sidney Air Station. 3;25 To S&A canc of SO 3-12 4-7	
401453	3-12	To S&A	Req shipment from Boston to P hila 46 vacuum-tu airc transmitters Insor Mass-Copy let to Phila stating transm tested and found sat. 4;23	
401856	3-15	US.S.S.PENN.	Fwds report re Standard Radio equipment.	

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AIRPLANES RADIO 1919 118

Number.	Date.	From or To—	Subject.	
33258	2/26	Brook	Fwdscopy of ltr from Inspr Crocker Wheeler Co reporting inspec of generators for Air Craft radio transmitters W	629.
397967	2-28	To S&A	Reqst shipment from Glouchester to Morehead City radio transmitter type CP 1110 contract 37979 Cutting and Washm -	
398810	3-4	To CE Company	Calls attention to f ct insulating portion part one is identical with Electrose Mfg Co standard insulator type CH 529 with exce necessary inserts are Inbu.ded drawing fwd March 1st-	
398951	2;22	C&R	Copy of Ship Ord cov radio masts from Airc Fct to Fleet Sup Base.	W
398798	2;16	Phila	Status of compass station.	
400322	3;3	New London Base	Vacuum tube transm with A C in put, fwds prints.	W

Number.	Date.	From or To—	Subject.	
400314	3;5	Anacostia	Determination of average number ft per turn of antenna wire on reel, fwds schedule showing.	W
399228	3;7	Coast Grd	Authorizes instal compass station Coast Grd Sta 58	
399497	3-7	To Inspr Curtiss Co	Reqst fwd list of raio material at plant which has not been covered by Ship Reqst Inspr Curtiss-Fwds list of serviceable and un-serviceable radio material on hand. 3;14	
400655	3-8	To General Radio Co	F wds drawings of lead-out insulator and wing fitting for info-	
401076	3;8	Bu Stand	Fwds report on test of Type C and 1105 spark transm.	W
400409	3-7	To Gloucester	Reqst shipment from G louch to Phila radio material W	
401991	3-14	To Comdg Offcers	Re building for housing radio activities. To Y&D via Operations- fwds drawing 4-2 Received back 4;12	
Card 1 v o				

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Number.	Date.	From or To—	Subject.	
396917	2-26	To Operations	Reqst definite arrangement be made for required flights upon completion of installati of sets NC boats-	
397953	3;4	MI	Old Number	
396921	2-25	To S&A	Reqst shipment from Washn to Newark NJ radio telg material gas eng gen set-	
383649 see 105	2-21	To Inspr Akron	Notes only available current at Flying field is 110 volts DC steps have been taken to furnish charging outfit for this powe sourc	
397855	2/20	Crocker Wheeler Co	Req return of motors and generators and decometers to various ~~xlyiax~~ yds	882-3
398191	2;18	USS TEXAS	Fwds report of test of radio app on ship airplane, under Navy cond powers used airplanes for target practice. To TEXAS- re reports fwd of interest to	Bu 3-3
398353	2;26	Phila	Conf tel conv stat airc radio material at Gloucester can be shipped to Phila on receipt of order.	

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
398314	2;21	Annacostia	Fwds schedule of ft per turn in con with determination of antenna reels of wire.	
399231	5;6	To New London Base	Received back 5;10	
398556	2;24	Phila	Sub report of radio test.	W
398607	2;28	Bu Stand	Fwds report on instal of direc finder coils.	R
398641	2;27	GE Co	States can mfg 4 of 6 mill sets in 4 weeks if overtime is authorized.	W
398522	2;21	Pensc	Radio meters for airc transm, fwds data on.	W
398597	2;26	Ph	States that storage space for radio airc mater now at Gloucester will be available 3;15 To Phila re transfer asks date of 3-8	

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AIRPLANES : RADIO.

Number.	Date.	From or To—	Subject.
394834	2-18	To Hamp Rds	Rqst inform Bur if Crocker-Wheeler apparatus listed is at Sta- If so, rqst be retd to them, advising Bur of shpmt 2/18
395145	2-18	To S&A	Rqst shpmt from Glou to Washn Lab, 12 Storage Batteries- W R B 3/5
395618	2-18	To Inspr GE Co	Fwdg matrl distribution sheet for transmitter sets Type CG 1104- 2/18 W
396413	2;19	Copely Mfg Co	Asks if seaplane radio bar set ret from Bu Stand. W To- shipment order issued 2-26
396505	2;18	Radio Lab Bu Stand	Fwds report of instal of Direct Finding coils and Curtiss airplane of Post Office Air Mail Serv. College Park. W Bu Stand-Report of instal of director finder coil on R airplane, Post Office Dept Serv. 2;21
395622	2/19	To S&A	Reqst. shipt. of tubes from Schenec. to Gloucester for Nav. Air Store. RB 12/22 Inspr GE-Fwds report of status pliatrone tubes. 2:25
396951	2/24	To CO Rock. Beach.	Render future reports in duplicate.

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
396612	2;19	Bu Stand	Fwds oscilliograph for test of 375 meter Genl Elec V tubes transm.	W
397134	2;17	CO TEXAS	Airplane radio test, sub report cov.	
397345	2;20	Montauk	Recs future radio sets for Type C Dirigible be prov with proper leads and blades for storage. To Montauk- advises necess leads will be sent to Montauk, for Dirig C-6 now in course of erection 3-27	W
397257	2;14	CO TEXAS	Sub report of test of radio on Sopwith.	W
397521	None	Natl Museum	Req comp calibration of radio aircraft app to be shown in con with museum War calibration, approved by Sec.	
378017	2/21	To CO Nor.	Reqst. that B. be informed upon recpt. of Kites	W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
395087	2;13	Bu Standard	Fwds report of test of genl radio transm.	
395088	2;13	Bu Stand	Test of British tuner and transm, report of.	W
395139	2;13	Goodyear Tire Co	Req data on set sending ratius of 300 miles in instal in dir igible. To GE Co- Rqst you furnish Goodyear with info desired- 2/18 To--States that B. has no objection to Gen. Elec. Co. furnishing information com. radio sets.	W
395203	2;8 2;14	Cape May Dept	Sub rep of HS-2 Flying boat equip with small radio tel and tranm set.	W
395123	2;10	Hampton Roads	Fwds elec characters with report on radio coils. To Hamp Rds 3-17	W
394833	2-15	To 4th District	Rqst Dist Radio Matrl Officer 4th Dist report to Bur at time matrl is recvd at Phila Yd for return to store- W RB 3;15 R B 4;1	
395301	2;18	2nd Dist Fwd	Received back 3;3	

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[OVER.]

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Number.	Date.	From or To—	Subject.
394458	2-17	To S&A	Rqst shpmt from Curtiss Aeroplane Co To Gloucester- 8 vacuum tubes type CG 916- W To S&A canc of S O 3-22 RB 3;27 RB 3;25, canceled.
394459	2-14	To S&A	Rqst shpmt from Curtiss Aeroplane Co to Gloucester- radio apparatus listed- W
394833 Over	2-15	To S&A	Rqst shpmt from N Y to Gloucester, 1 Delco 32-volt battery charging unit- W
395142	2-17	To S&A	Rqst shpmt from N Y to Gloucester, 12 vacuum tubes type CW 931- W
395143	2-17	To S&A	Rqst shpmt from Gloucester to Phila, 2 Storage Batteries - W R B 2;26
395144	2-17	To S&A	Rqst shpmt from Norf to Gloucester, 1 phantom antenna- W
395425	None	Phila	Conf tel conv in con with nec to comp cont units started at Wash Yrd for radio compass apparatus.

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AIRPLANES : RADIO.

Number.	Date.	From or To—	Subject.	
393656	2-11	To S&A	Rqst shpmt from Gloucester to Norfolk, 5 Radio transmitters - W R B 3;1	
393657	2-11	To S&A	Rqst shpmt from Gloucester to Norfolk, 5 Radio Transmitters - W	
40098	2/12	C&R	Fwds ltr from Constructor Cutriss stating radio material reported short was never received W	629
392783	2-13	To Chf Signal Officer USA	Bur rqstd SO Wash to execute Signal Corps order 130679 for med wave receivers- Matrl will be ready for s pmt by 2-25 W To- shipment made BL 6821 March 19th 3-22	
393654	2-12	To S&A	Rqst shpmt from Brook to E J Simon, 15 wing insulators type SE 1172- W	
393909	2-12	To S&A	Rqst shpmt from Wash to Norfolk radio material listed- W R B 7;31	
393919	2-12	To S&A	Rqst shpmt from Phila to Gloucester 11 radio receivers type CW 1298- W	

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Number.	Date.	From or To—	Subject.	
394091	2-13	To S&A	Rqst shpmt from Wash to Gloucester vacuum tubes listed- W R B 3;11 Gloucester-Sub spec allotment of $166.56 4;12 To Glouch- allo made 4-22	
394090 see cd 120				
394092	2-13	To S&A	Rqst shpmt from Phila to Gloucester 10 vacuum tubes type CG 916- W RB 3;21	
394870	2;11	War Dept	Fwds radio pamphlet #5 on Airplane Radio Tel Transm St. To Chf Signal Officer Wash- Ack above 2/19	
394623	2-14	To Moorhead Laboratories	Per rqst of R M Keator are fwdg 3 copies of specfns RE 13A 130A for transmitting vacuum tube type CG 1144- W	
394624	2-14	To G E Co	Fwdg 3 copies of specfns RE 13A 130A for transmitting vacuum tube type CG 1144. W Ph- Fwds change of material sheets. 3;17	
394124	3;7	Gloucester	Fwds changes in material sheet. Gloucester-3;29	
	~~Ship Ord 3;17 R B 3;20~~		Gloucester-Fwds change in material sheets. 2;11	
	Glouces-	Fwds change in mat sheet	Glou 3/4 Fwds changes of matrl sheets - Ph 3;17	
394996	2;12	Gloucester 3;28	Req instruc in con with disposition radio transm.	W
393910	2-12	To S&A	Rqst shpmt from Wash to Norfolk, receivers, helmets, vacuum tubes and batteries- W To San Domingo- Rqsts report be sub 2/23 RB 3/21/22 W Fwds Co SantoDomingo 3/27	122

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AIRPLANES : RADIO.

Number.	Date.	From or To—	Subject.
384733	2-12	To S&A	Rqst shpmt from Seattle to Aircraft Storehouse Radio material listed- W
392600	2-12	To S&A	Rqst shpmt from Inspr Brook to Aero Accessory Depot 12 Insulators- W To Inspr Brook- Rqst list of material be fwd to Comd G C Westervelt- 2/12 R B 4;1
392601	2-12	To S&A	Rqst shpmt from Gloucester to Aero Accessory Depot Radio material listed- W To SO Glou- Rqst standard packing list be fwd Comdr G C Westervelt covg matrl shipt- 2/13 To S&A amend of to include one sets of spares for airc radio tran type 1100 2-26 RB 4;1
392602	2-12 To S&A req canc item c of SO 2-[illegible]- 4-2	To S&A	Rqst shpmt from Wash to Aero Accessory Depot Radio material listed- W To SO Wash- Rqst standard packing list be fwd Comdr G C Westervelt covg matrl shipt- 2/13 RB 4;1
392610	2-12	To S&A	Rqst shpmt from Gloucester to Aero Accessory Depot Storage batteries - W R B 3;6
393019	2-12	To S&A	Rqst shpmt from Inspr G E to Aero Accessory Depot Transmitters- W To Inspr GE Co- Rqst standard packing list be fwd Comdr G C Westervelt covg matrl shipt- 2/13 Fwd. Inspt. Schenec. 2/21
393024	2-10	To S&A	Rqst shpmt from Gloucester to Radio Division Aircraft Storehouse storage batteries- W Ph-Reqst material listed be issued. 5;31 To S&A req ship from Phil to Air c Fac 30 radio stor batteries 6-6 RB 8;28
393025	2-10	To S&A	Rqst shpmt from G E Co to Norfolk Radio Transmitters - W

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Number.	Date.	From or To—	Subject.
393026	2-11	To S & A	Rqst shpmt from G E Co to Norfolk radio transmitters - W
393027	2-10	To S&A	Rqst shpmt from Aircraft Factory to Norfolk 10 Radio receivers - W
393316	2-10	To S&A	Rqst shpmt from Aircraft Factory to Norfolk 10 Radio receivers - W
393317	2-11	To S&A	Rqst shpmt from Gloucester to Norfolk Storage batteries - W
393317	2-10	To S&A	Rqst shpmt from Gloucester to Norfolk 10 Storage Batteries - W
393651	2-11	To S&A	Rqst shpmt from Gloucester to Norfolk 5 Insulators - "W
393652	2-11	To S&A	Rqst shpmt from Gloucester to Norfolk, 5 Insulators - W Gloucester 6;16
393653	2-11	To S&A	Rqst shpmt from Brook to BU SE Insulators - W

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AIRPLANES : RADIO.

Number.	Date.	From or To—	Subject.
391894	2-7	To S&A	Rqst shpmt from Brook to Manhattan Elec. Supply Co of 6 type SE 1170 insulators- W
391896	2-7	To S&A	Rqst shpmt from Brook to Airc Storehouse of 18 type SE 1170 insulators - W RB 2/19
391900	2-6	To S&A	Rqst shpmt from Wash to Norf of 30 vacuum tubes CG 1162, 80 vac tubes CW 933- W RB 3;15
392124	2-7	To S&A	Rqst shpmt from Wash to BU SE 6 practice buzzers and keys - W
392591	2-7	To S&A	Rqst shpmt from Brook to Internatl RT Co of 12 type SE 1170 insulators - W
392593	2-7	To S&A	Rqst shpmt from College Pt to Aircraft Storehouse aircraft radio transmitters, antenna, etc.
393606	2-7	To Lt Col W J Polyblank	(T) Apparatus recd. Ready for test probably Monday - W
393651	2;11	TO S&A	Rec back 3;11;19 Gloucester 5/29

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Number.	Date.	From or To—	Subject.
393022	2-8	To Inspr Mass.	Shpg instrns being issued covg remaining vacuum tubes at GE Co - W
393030	2-10	To CO Key West	Rqst future weekly reports covg activities in conn w aircraft apparatus be in dup- W
394184	2;6 2;11	Inspr Sperry Inspr NY	Radio sets returned to Sperry Co, asks if shall be delivered to NY Fwd Industrial Mgr N Y via S&A 2/17 Washington 3;18
394124	2;10	Gloucester	All reports and records of radio material for aircraft will be fwd to distant cont radio material officer. W To Gloucester- Rqst all reports and records be fwd Bur via Dist Radio Matrl Officer- 2/19
352599	2-12	To S&A	Rqst shpmt from Phila to Aero Accessory Depot 3 vacuum tubes- W To Inspr Phila. Rqst fwd list of matrl to Comdr G C Westervelt- 2/12 To---State that you can comply with reqst. in ref. (b) 2/21 To Inspr Phila- fwds shipment for info 3-3
378017	FROM CARD 100		Rqst info re steps taken to expedite shpmt of kites- 2/12 N Y Air Sta 3/4 (T) Rqst issue shpng order- W

To Wireless Co- advise re repair of set 3-
To Brook- re repairs of 3-4

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AIRPLANES : RADIO

Number.	Date.	From or To—	Subject.
391106	2/4	To CO Nor.	Reqst. that there be fed. to B. copies of Hampton Rds. photograph
392789	2-2	Signal Corp	Requ information as to status of order covering radio material placed with Bureau W
318197	168	SEE CARD 71 Dupl	Pensa 2-3 weekly report. To Bruns- req shipt of mat'l to Ph 9/24 To Chatham- suggests take matter up with Kite Balloon Section of Operations 2-25 To Key West- asks info re CW1058 radio sets trouble with 2-26 To Atl Flt- in re to Inspr Brook 3-22 fwd reports weekly 9/10
155		To Brunswick- req continue weekly report 7/15 To H Rds- desires steel masts be ship with oter material 7/24 To Rockaway Beach 12/3	
392785	1-14	Euro Forces	Neon tubes for eliminating dials and tuning forks in storage batters will be forwarded from London Eng W
		882.1	
391112	2-7	To S&A	Reqt shipt three vacuum tubes from Phila to New London. W
391895	2-7	To S&A	Reqt shipt 15 insulators from Brook by special messenger to E.J. Simon. W
391899	2-6	To S&A	Reqt shipt 110 vacuum tubes from Wash to Supply Officer Norf. W
391892	2-7	To S&A	Rqst shpmt from Brook to Manhattan Elec. Supply Co 10 type SE 1170 insulators. W

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
	2;7	Bureau Standard	General radio transm, fwds osciliogram with report cov.	W
388914	1-29	To S&A	Reqst shipment from Brooklyn to Washn 156 instruc books Navy order N-4207 W	
389366	1-30	To S&A	Req shipment from Buffalo to N Loneon air radi trasnitter for Sub Base R B 3;6	
389368	1-30 Inspt GE - 4;25 Canc SO1-30-19 5-31 To GE- canc of So 1-30 6-2 To GE 9/22 To S&A 10;8	To S&A To S&A req ship from GE to Phil rad trans 6-1?	Reqst shipment from Schenectady to Ft Monroe radio material To S&A can SO 1/30 6/24 To Schenectady- items omitted should be shipped to NY marked for SUPPLY 4-23	
389702	2-1	To Bureau Standards	Fwds blueprints of radio compass coil F-5-9 flying boatat Hampton Rds, and ltr Jan 11th to Bureau-	
390501	2-5	To S&A	Reqst shipment from Buffalo to Boston for SHAWMUT radio transmitter Boston 3;17	
390502	2-5	To S&A	Reqst shipment from Phila to Boston for SHAWMUT radio vacuum tubes- To Boston- fwds copy of ship reqstd 3-5	
391893	2-7	To S&A	Rqst shpmt from Brook to Internatl RT Co 5 type SE 1170 insulators - W	

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AIRPLABES :RADIO

Re 1919

Number.	Date.	From or To—	Subject.	
388600	1/27	To Croker Wheeler Co.	Fwds report of gas engine driven generator for use in airplanes-engine not suitable for this use 882	
390363	1;30	C&R	Installation of radio apparatus on seaplanes at factory, same will not be req.	W
389692	1-30	To Hamp Rds-	Fwds prints-radio compass coils installed on F-5-9 flying boats	W
390067	1-30	To TEXAS	Has shipped to that ship radio avi app as listed	W
375015	See Card 98		GE CO- Contract not yet received. 1;30	

AIRPLANES RADIO

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Number.	Date.	From or To—	Subject.	
390063	1-31	To S&A	Reqts shipmt from Curtiss to Gloucester 31 aircft radio transmitters RB 3;21	W
390065	1/31	To S&A	~~Req ship from Bu Stds to GE avia material for research lab To S&A care of SO of 1/31 9/20~~	
See 390605-919 card 60)		(SEE CARD 150		
390080	2-1	To S&A	Reqts shipmt from Wash to Pensecola for radio app of 5-10-17 -227505 be cancelled	W
391691	2;6	War Dept	Fwds copy of radio pamphlet on " Radio Mechanics and Airplanes " To Chief Signal Officer-Acknow receipt of radio pamphlet. 2-7	W
390081	2/5	To C. Pensecola	Reqst. that any item remaining on hand on material reports in ref. (a) be shipped by express Gov. B/L to SO Gloucester.	
390503	n2/4	To S&A	Reqst. shipt. of radio material from Gloucester to Bost. for USS SHAWMUT	
391882	2/5	To Chief of Nav. Oper.	Reqst. that the radio apparatus on French dirigible be fwd. to Naval Air. Lab.	

F. G

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AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
388445	1;24	Bu Standard	Req shipment order cov material for test 2 kw radio phones transm, return of same to GE Co.	W
388579	1-27	To S&A	Reqts shipmt from Phila to Washington 30 vacuum tubes	W
388599	1-27	To S&A	Reqts shipmt from Wash to GE 2 generators Signal Corps type	W
388598	1-28	To Inspr Bost	Reqts that shipmt order of 1-8th -vacuum tubes to Wash be fulfilled Inspr Mass 1;31	W
389951	1;28	Inspr Phila	Conf tel conv in con with kind of wire to use in wings of airplanes for radio purposes. To S&A Reqts shipmt from Phila to Gloucester 25 aircft radio transmitters 1-28 To Inspr Phila- Rqst be informed of action taken on above- 2/17	W
389798	1;27	International R T Co	Sub price on material and sup for equip of aircraft with radio sets. International R T Co 2-6 Corrects quotation -	W
389826	1;24 1;29 C&R-Req reply to endorsement 1;29 on.	Toronto C&R	F-5 Flying boat, instal plans for committee Fwd. C&R 2/20 ~~C&R-Req-copy-of-curve.-W--2;21~~ fwd C&R 3-4	W

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
388907	1-28	To S&A	Reqts shipmt from Gloucester to TEXAS 16 storage batteries	W
388909	1-28	To S&A	Reqts shipmt from Anacostia to TEXAS insulators-helmets etc	W
388919	1-28	To 4th Dist-	Overtime for truck drivers Phila to NY carrying urgent aircft radio app this date authorized	W
389354	1-28	To S&A	Reqts shipmt from GE to TEXAS r5 aircft radio transmitters R B 9-13	W
389355	1-28	To S&A	Reqts shipmt from Phila to TEXAS vacuum tubes aircft radio receivers-dynamotor	W
389356	1-28	To S&A	Reqts shipmt from Wash to TEXAS aircft receivers vacuum tubes-dry batteries radio helmets ReqsT. shipt. of apparatus from Wash. to & for Guantanamo Expedition. 2/1	W
388912	2;29	To S&A	RB 3;21	

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AIRPLANES RADIO

Number.	Date.	From or To—	Subject.	
386858	1-21	To S&A	Reqts shipmt from Bost to Gloucester- 12 radiatorh ammeters etc	W
387184	1-21	To CO Hamp Rds	Reqts copies of photos	W
387187	1-21	To Dept Avi	Modifies instructions re installn of radio app on seaplanes at factories Req radio set be fwd separately. Dept. 1;25	W
387202	1-22	To GE	Ack receipt of spec forms applying to vacuum tubes as listed GE-Fwds copy of prints of sockets. 1;27	W
387440	1-22	To S&A	Reqts shipmt from Wash to Hamp Rds- airplane compass receivers- helmets-vacuum tu bes-batter Received back 1;27 To Hamp Rds-Returns lemon copy of shipmt order of 1-22nd for endorsement and signature 1-30 To S&A Reqst canc of SO 1-22 5-5	Rb 4/20 W
388012	1;21	Hampton Roads	Fwds photoes of stationary antenna on HS-2 seaplane.	W
387446	1;23	Inspr Curtiss T Inspr Phila-Conf tel conv in con with re-continuance radio instal at factory. W 1;23 To Inspr Laminated Co T 1-22 To Phila T 1-22 ~~Bar-Harbor~~ Pensc-Only one tel mast available. 2;21 To Curtiss T 1-22	Lists material on hand and status of instal. To Phila (T) installn of radio sets at aircft factories discontinued . Asks for item ized list of same 1-22 To Inspr Laminated Wood Fuselage Corp ditto 1-22 To Aircft Factry Phila ditto 1-22 To Inspr Curtiss ditto 1-22	

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N.S.E. Form 134.

AIRPLANES: RADIO

Number.	Date.	From or To—	Subject.	
388152	1;22	Akron	Asks if bureau can furnish Westinghouse indicator volt meters to be used for testing batteries for radio work. W	
388199	1;23	Bu Standard	Submits comments andcriticism on prints cov antenna.	
384124	1-24	To Inspr Bost card 106	Material reqted shipmt order 1-13th available at Gallaudet To S&A 1;13 RB 3;21 fwd Glouch 4-16	W
387700	1-24	To S&A	Reqts shipmt from GE to Ann 1 radio tr ansmitter Shipmt Ord- R B 6;6	W
387701	1-23	To S&A	Reqts Shipmt from Gloucester to Ann 2 aircft radio transmitters RB 6;6	W
385851	1-24	To 2nd Asst Postmaster	Genl - Gives approx cost for yearly operation and maintenance of complete radio transmitting and receiving stations for service in conn with Air Postal Service	W
42008	1/28	Inspr Curt	Recommends 32 storage batteries shipt Toronto for Canadian Airplanes Co. be diverted; not required. W&DA	629